## SOUTH BROWARD DRAINAGE DISTRICT



## FACILITIES PAPORT ANT <br> WATERGDTROL PLAN



March 2013

## SOUTH BROWARD DRAINAGE DISTRICT



## FACILITIES PAPORT ANT. WATER GD, TROL PLAN



ADOPTED 1993
REVISED 1998
REVISED 2005
March 2013

REVISED 2013

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## SOUTH BROWARD DRAINAGE DISTRICT


SECTION I


The South Broward Drainage District (SBDD) encompasses approximately 46,600 acres ( 72.8 square miles) in southwest Broward County and is divided into 13 drainage basins. All of the drainage basins within the District meet or exceed the required Level of Service "C" as adopted by the District, which requires that minimum road crown elevations be set at or above the peak stages for a 10-year, 3-day storm event, and that minimum building finished floor elevations be set at or above the peak stages for a 100-year, 3-day storm event. Level of Service analyses were performed using the Advanced Interconnected Channel and Pond Routing (AdICPR) software model.

As part the 2013 Facilities Report Update, SBDD updated the District's Existing Facilities Maps and Culvert Schedules, and added new maps and schedules for existing flood gates, control structures, staff gauges, water level recorders and fish guards.

Since the previous Facilities Report Update in 2005 there has been limited development throughout the District. With very few exceptions, the $r$ jority of basin storage areas and water management areas have been constructer' $n d$ are currently in place and operational. Therefore, the AdICPR model has only jeen vdated for those basins that experienced significant new development, as note in the repc

An overview of each drainage basin is describe belor

## BASIN S-1

Basin S-1 encompasses an a d o. 6.1 s uare miles in the eastern quadrant of the District and includes the $\mathrm{S}^{-1}$ stormv iter pu. p station and two secondary pump stations (B-1 and B-2). The B-3 and . 4 econuary pump stations were eliminated in 2012 and 2010 respectively, res in \& ver operating costs with no reduction in the Level of Service for drainage In $20 \perp$ the ontrol system for the S-1 pump station was updated to allow remote ope. tion of the station by District staff.

AdICPR model results 1 . 'icr $\quad$ that the $\mathrm{S}-1$ Basin meets the District's Level of Service and there are no recommei dations for improvements to the basin.

## BASIN S-2, S-7 AND S-13

Basins S-2, S-7 and S-13 are interconnected drainage basins located within the eastcentral quadrant of the District. Basin S-2 encompasses 7.5 square miles, Basin S-7 encompasses 4.5 square miles and Basin $\mathrm{S}-13$ encompasses 3.2 square miles. These three basins are served by the District's S-2 and S-7 stormwater pump stations.

The AdICPR model for the S-2, S-7 and S-13 basins was updated in 2013 to account for the new developments within the S-2 basin, including the Miramar Town Center, Waterview/Foxcroft (re-development of the Laurelton Park at Foxcroft), Miramar Park of Commerce, Sunbeam Development Corp. residential properties, and the re-development of the Raintree Golf Course site. The AdICPR model results show that SBDD's required

Level of Service continues to be met in this basin and it is recommended that all future developments within these basins provide a minimum of $20 \%$ water management area and comply with all SFWMD and SBDD Criteria.

The District's Canal No. 2 and Canal No. 3 are interconnected through two canal/culvert systems in the north end of the basins (north of Johnson Street) and through one canal/culvert system in the south end of the basins (south of Miramar Parkway). Provisions have been made for a fourth interconnect south of Miramar Boulevard, and it is recommended that this fourth interconnect be completed during the final build-out of Basin S-2.

In 2010, the control systems for the S-2 and S-7 pump stations were updated to allow remote operation of the station by District staff, and in 2010 the B-5 secondary pump station was removed from the S-7 Basin resulting in lower operating costs with no reduction in the Level of Service for drainage.

## BASIN S-3

Basin S-3 encompasses over 9 square miles in $t^{1}$, south cent. ${ }^{1}$ quadrant of the District and includes the District's S-3 stormwater pr 1 p sta+ ${ }^{+}$n. AdICFR model results indicate that the S-3 Basin meets the District's Level of i e.

In 2008, the Washington Street Canal v in nlaced th twin 66" diameter culverts from SW 145th Avenue to the District's Car 1 Nr It is recommended that a second interconnect be provided from $C^{+}$ury $\backslash$ " ge to the Monarch Lakes Outfall Canal in order to reduce the flood dy ation or th. northeastern quadrant of this basin. In addition, it is recommendec' hat al arre cevelopments within the S-3 Basin provide a minimum of $20 \%$ water mar. $\sim$ nent area and comply with all SFWMD and SBDD Criteria.

The AdICPR modeı $\mathfrak{r}$ r the S -. basin was updated in 2012 to account for the second interconnect describe qbove. The updated model results show that SBDD's required Level of Service continu + be met in this basin and that the flood durations in the northeast quadrant will be reduced.

Upgrades to the control panels for S-3 pump station to allow remote operation of the station by District staff were completed in 2012.

## BASIN S-4

Basin S-4 encompasses approximately 3.25 square miles in the southern quadrant of the District and includes the District's S-4 stormwater pump station. AdICPR model results indicate that the S-4 Basin meets the District's Level of Service and there are no recommendations for future improvements, other than the continued reinforcement of headwalls surrounding lake interconnecting culverts.

The stormwater management system for the basin incorporates a series of lakes and lake interconnecting culverts which enhance basin equalization and reduce the duration of peak stages.

In 2010, the control system for the $\mathrm{S}-4$ pump station was updated to allow remote operation of the station by District staff.

## BASIN S-5

Basin S-5 encompasses approximately 12.25 square miles in the southwestern quadrant of the District and includes the District's S-5 stormwater pump station. AdICPR model results indicate that the S-5 Basin meets the District's Level of Service and there are no recommendations for future improvements, other than the continued reinforcement of headwalls surrounding lake interconnecting culverts.

The stormwater management system for the basin incorr ates a series of lakes and lake interconnecting culverts which enhance basin equali in $\eta$ and reduce the duration of peak stages.

In 2010, the control system for the S-5 pur s station was updated to allow remote operation of the station by District staff.

## BASIN S-6

Basin S-6 was acquired by $c$, uth loride Water Management District as part of the Broward County Water Pres ve Arf - (RCW A) project, and therefore, is not included as part of the District's Facilities , رrt.

## BASIN S-8

Basin S-8 encompasses á area of approximately 9.5 square miles in the north central quadrant of the District and includes the $\mathrm{S}-8$ stormwater pump station. AdICPR model results indicate that the S-8 Basin meets the District's Level of Service.

Based on the recommendations from the 2005 Facilities Report Update and SFWMD requirements, all outfalls to the C-11 Canal have been closed with the one exception of the controlled outfall at the S-8 pump station. Water quality for the entire S-8 Basin is provided behind the $\mathrm{S}-8$ pump station, and discharge is controlled through the operation of the pump station.

The District has identified several upgrades for the S-8 Basin to improve hydraulic connectivity and/or to increase the capacity of specific drainage culverts as outlined in the detailed description of the basin.

Upgrades to the control panels for $\mathrm{S}-8$ pump station to allow remote operation of the station by District staff were completed in 2012.

## BASIN S-9 AND S-10

Basins S-9 and S-10 are interconnected drainage basins located within the northwest quadrant of the District. The total combined area of the two basins is approximately 11 square miles. Included within the geographical boundaries of the basins are District Control Structures CS-12, CS-13 and CS-13A and District Intermediate Control Structures ICS-12, ICS-13 and ICS-13A.

Since the 2005 Facilities Report Update, District Control Structures CS-12, CS-13 and CS-13A were installed in accordance with a SFWMD permit to limit/control discharge to the C-11 Canal and to improve water quality throughout the Western C-11 Basin. All other outfall connections from the S-9/S-10 Basins to the C-11 Canal have been closed and water quality for both basins is provided behind the control structures.

In 2011, SBDD and the Town of SW Ranches installed In rmediate Control Structures ICS-12, ICS-13 and ICS-13A at the southern limits of 5 Ranches. These intermediate structures were installed as part of a pilot project $v \mathrm{de}_{1}$, Memorandum of Agreement (MOA) among SFWMD, SW Ranches, SBDD anr' the Dep tment of Agriculture and Consumer Services with the primary objectiver o lower grou. 'water elevations in SW Ranches and improve water quality. To date, ${ }^{1}$ obje. $\operatorname{ves}$ of the MOA are being met and it is the goal of the District to convert the pis project to a permanent, year-round, permitted project.

The AdICPR model was updated in 201 to .ecc it for the installation of the control structures at the C-11 Canal ? . 'e in. mediate control structures at the southern limits of SW Ranches. The, sdatec mode esults show that SBDD's required Level of Service continues to be met . bott

Other recommendatio, s. 'he 9/S-10 Basin are outlined in the detailed description of the basins.

## BASIN S-11

Basin S-11 was acquired by South Florida Water Management District as part of the BCWPA project, and therefore, is not included as part of the District's Facilities Report.

## BASIN S-12

Basin S-12 encompasses approximately 2.5 square miles in the south central quadrant of the District and is not controlled by any of SBDD's pump stations. The basin currently meets the District's adopted Level of Service.

The discharge connections for the S-12 Basin are located downstream from the District's S-3 and S-7 pump stations and therefore, developments within Basin S-12 do not impact any of the SBDD's conveyance systems. All developments within the S-12 Basin are required to obtain individual permits from SBDD and the SFWMD and must meet
minimum requirements for stormwater retention and water quality standards prior to discharging into the C-9 Canal (via a control structure).

## AUTHORIZATION

The South Broward Drainage District, which was originally known as the Hollywood Reclamation District, was created in 1927 by the Florida Legislature by Chapter 12049, Laws of Florida, out of a portion of the Napoleon B. Broward Drainage District. In 1967 the original Hollywood Reclamation District was abolished and a new Hollywood Reclamation District was created by Chapter 67-904, Laws of Florida. In 1986 the name of the District was changed to South Broward Drainage District by Chapter 86-362, Laws of Florida. In 1992, the boundaries of the District were revised to include the area previously known as Bailey Drainage District (created by Chapter 67-950, Laws of Florida). In 1998, the District's 1967 Charter and all amendments thereto were repealed and along with minor revisions, were included in a codification of the Districts' Charter approved by the Florida Legislature by Chapter 98-524, Laws of Florida. Since that time there have been several amendments to the District's Charter, with the latest update being adopted in 2012.

The original Facilities Report was created in 1993 and w, adopted by the District Board of Commissioners that same year. Prior to the curre ${ }^{\bullet}$ d date, the Facilities Report was updated on two occasions and each update wes adopt ' by the District Board of Commissioners.

The District's Facilities Report shall also serv as ne District's Water Control Plan in accordance with Section 21 of the District Charte ${ }_{\wedge}$ The District's Facilities Report/Water Control Plan which is currently in effec . ${ }^{11}$ rema. in full force and effect until such time as it is modified and adopted by the listr ard of Commissioners.

It is the District's intention, $u_{1}$ ate l is Facilities Report from time to time, as necessary. All Facilities $P$ port $V$, dates rill be submitted to South Florida Water Management District, Browa 1 Junıy, own of Davie, City of Hollywood, City of Pembroke Pines, City r` ${ }^{\wedge} \mathrm{ma}$, and Town of Southwest Ranches for incorporation into their respective Mas , $s$ Plans $\mathrm{Id} / \mathrm{c}$ evaluation and appraisal reports.

This is the fourth edic $\eta$ of thi report since 1993.

## ACKNOWLEDGEMENTS

This report update was prepared under the direction of the District Director of the South Broward Drainage District. The narrative for the 2013 update was prepared in-house by SBDD staff. In some cases, portions of the previous narrative written and prepared by the District's Consulting Engineer, Calvin Giordano \& Associates, Inc. (CGA) have been used. The technical data, maps and exhibits presented in the update were prepared previously by CGA or in-house by SBDD staff. The 2005 Advanced Interconnected Pond Routing (AdICPR) model was performed by CGA. Subsequent AdICPR model updates for the SBDD Basins S-2, S-7 and S-13 and SBDD Basins S-9/S-10 were performed by CGA; subsequent AdICPR model updates for the SBDD Basins S-2, S-7 and S-13 and SBDD Basin S-3 were prepared by Bohler Engineering, Inc.; and subsequent AdICPR updates for SBDD Basins S-1, S-4 and S-5 were performed in-house by SBDD staff.

## BACKGROUND

South Broward Drainage District (SBDD) exists pursuant to the provisions of Chapter 98-524, Laws of Florida. The District was originally created in 1927, and manages approximately 46,600 acres ( 72.8 square miles) in southwest Broward County, Florida and serves a population of approximately 240,000 residents. SBDD is an independent, special district charged with providing stormwater management and flood control.

SBDD is generally bounded on the north by Sheridan Street and Griffin Road (SFWMD C-11 Canal), on the west by the Everglades Conservation Area, on the south by the Miami-Dade County/Broward County line (SFWMD C-9 Canal and the Florida Turnpike Extension) and on the east by University Drive (See Figure I-1). The legal description of the District is shown in Exhibit "A".

The SBDD jurisdictional boundaries encompass pc ions of five (5) different municipalities, as depicted in Figure I-2. The District ; governed by a seven-member Board of Commissioners who are elected into off by the qualified electors of the District on a nonpartisan basis. The seven Comm' sioners á elected from seven singlemember zones as depicted in Figure I-3. all District bl iness is conducted in accordance with Florida's open government la, (Su‘ ,nine laws).

The District headquarters are located n a 13-a ' parcel of land at 6591 Southwest $160^{\text {th }}$ Avenue, Southwest Ranches, FL 3 30. here , 2DD maintains offices, operations, and maintenance facilities. This propert, als $\mathrm{st}_{\star}$-s as a Disaster Debris Management Site in the event of a natural ter. rom the SBDD headquarters, District staff coordinates the operation an main nanct of seven (7) primary pump stations, two (2) secondary pump stations, $\mathrm{a}_{\mathrm{t}} \times$ rox ${ }^{\prime}$. 11 miles of freshwater canals, 7,700 acres of lakes, and numerous culverts 'd control structures. The District's responsibility for maintaining these fa aties + to $\epsilon$. ure stormwater conveyance and flood protection, as well as water quá $v$ and rec arge. Integrated systems of mechanical, chemical and biological methods a utilize to control and manage the aquatic vegetation in the District's waterways. SE D so maintains an inventory of the District's facilities, which is updated annually.

SBDD is divided into 13 drainage basins as shown in Figure I-4. Drainage Basins $\mathrm{S}-8$, S-9, S-10 and S-11, located in the northwest portion of the District, discharge to the SFWMD C-11 Canal via SBDD Canal Nos. 11, 12, 13, 13A and 15. The remainder of the District's drainage basins discharge to the SFWMD C-9 Canal by way of SBDD Canals No. 1, 2, 3, 4 and 9. Throughout the District, conveyance of stormwater discharge to the District's internal canal system is achieved through a series of interconnected lakes, culverts and other water management features.

The District's facilities are designed to provide the following water management functions:

- Conveyance of stormwater runoff
- Storage and attenuation of stormwaters
- Provide water quality in accordance with SFWMD Criteria
- Control discharge to SFWMD receiving waters in accordance with SFWMD Criteria and existing SFWMD permits
- Pretreatment of stormwater runoff prior to discharge
- Provide flood protection for homes and properties throughout the District
- Conservation during the dry season

The discharge capacities of these facilities are based on the maximum allowable discharge to the SFWMD canals, which is 0.75 " per acre, per day for the C-9 Canal and 1.25 " per acre, per day for the C-11 Canal. SBDD has adopted a Level of Service for its primary facilities and has implemented design standards to ensure that project developments meet these required levels of service. This District has adopted a minimum Level of Service "C", which requires that minimum road crown elevations be set at or above the peak stages for a 10-year, 3-day storm event, and that minimum building finished floor elevations be set at or above the pe . stages for a 100-year, 3-day storm event.

Based on the District's most recent Facilities Repor Update, ${ }^{11}$ properties within SBDD's jurisdictional boundaries meet or exceed the $\mathrm{D}^{\prime}$ ırict's adopte, Level of Service. SBDD coordinates closely with SFWMD, Broward Ce nty a a other local municipalities during extreme weather events to ensure that the hig. . level of flood protection is achieved before, during and after these storm eve

The District has prepared and adop d ~ mwater Management Regulations, Standards, Procedures and Desi ${ }^{\text {riteric }}$ sanual for the purpose of promoting general welfare, health, safety, comfr, , cor enien ? and economic well-being of the residents and property owners withir. $\mathrm{TBD}^{\Gamma}$ - inımizing flooding and ensuring proper water management. The Criteria $\mathrm{Ma}_{\mathrm{a}}$ al provides design professionals and other individuals with a set of guidelir s arı requ ements for the design and implementation of water management proj ts withir, the District. The SBDD Stormwater Management Regulations, Standa. 's, Procf ures and Design Criteria Manual is included as an Appendix to this Facilitı Re رrt.

In 2012 SBDD was awarded the annual Safety Award by the Florida Association of Special Districts (FASD) and in 2013 was awarded the Broward County NatureScape Emerald Award for its efforts in improving water quality in SW Broward County.

SBDD is an annual sponsor and active participant in Broward County's Water Matters Day, which is the County's signature water conservation event where residents can learn about local and regional water resources, how water is managed and how the region is planning for the future. In addition, SBDD is a member of the Broward County Surface Water Management Coordination Committee which includes representatives of Broward County, local municipalities and special districts, and whose purpose is to discuss and coordinate water management and drainage issues throughout Broward County. Finally, members of the SBDD Board, staff and outside consultants (District Attorney) are actively involved with the Broward County Technical Advisory Committee to the Water Advisory Board and the Broward County Water Resources Task Force.

## OBJECTIVES

The primary objective of this Facilities Report is to review and evaluate the existing public facilities owned and operated by the South Broward Drainage District and to assess the needs of the District based on the following criteria:

- Adopted Level of Service
- Drainage analyses and stormwater modeling data
- Age and condition of existing infrastructure
- Performance and capacities of existing infrastructure
- Projected developments for the next five to ten years
- Existing and/or updated regulatory requirements

The needs and assessments of the District are evaluated for each individual drainage basin throughout the District using the following methodology:

- Update and document the existing facilities within ach drainage basin to include: pump stations, control structures, weirs, culvert , `anals, lakes, etc.
- Perform a drainage analysis of each basin to deter. ne the maximum stages for the 10-year, 3-day and 100-year, 3-day st .m events. ${ }^{c}$ appropriate, the District may utilize stormwater modeling softwa to percorm this analysis.
- Review the drainage analysis for each L . in $\quad$ o determine if the District's desired Level of Service for current and future buila ut conditions is met.
- Identify drainage facilities which $\overbrace{\boldsymbol{\lambda} .} \imath^{-}$it exct ive hydraulic losses or otherwise require upgrades.
- Recommend improvemen ${ }^{+}$ensul hat the District's required Level of Service is met.

Other objectives of this Facilit $\quad$ ¿port include:

- Provide maps exhibits Jra ngs, etc. that depict the description, location, sizes, etc. of Distrı facilities.
- Provide a descr., ion of $x$ drainage basin within the District.
- Provide a summar, ${ }^{r}$ ne drainage analysis for each basin.
- Provide a summary of the basin characteristics for each basin that includes the design control elevation; the 10-year, 3-day flood elevation (minimum road crown elevation); the 100-year, 3-day flood elevation (minimum finished floor elevation); discharge capacities; and SFWMD receiving waters.
- Provide recommendations for drainage improvements.
- Provide design criteria for meeting the District's adopted Level of Service.

The following methodology was used in preparing the initial South Broward Drainage District Facilities Report issued in 1993, and all subsequent updates:

## Data Collection

- Evaluate the study area.
- Identify, locate and verify new and existing drainage facilities.
- Update the physical characteristics of each drainage basin.
- Review current South Florida Water Management District (SFWMD) requirements.


## Engineering Analysis

- Perform drainage analyses and stormwater modeling (AdICPR); update the AdICPR model as necessary for updates.
- Review data and assess needs.


## Recommendations

- Prepare recommendations for basin impr ements to reet the adopted Level of Service for the District and/or improve ${ }^{\downarrow}$.sin ch $\urcorner$ racteristıcs.

A detailed description of the methodology used the initial Facilities Report and the 2013 Facilities Report update is shown $\because \mathrm{w}$.

## DATA COLLECTION

Updating and Redefining the i ' $r$ ' Area
SBDD has experien $\_$a lim. ${ }^{\text {d }}$ a vunt of urban development since the 2005 Facilities Report update, ma ly due to vo factors: (1) overall, SBDD is close to being built-out with most water mar. rement acilities currently in place and operational; and (2) the economic downturn whi, $r$ gan in the fall of 2007, significantly impacted development and re-development. Thercrore, much of drainage analysis of the individual basin areas (ie: AdICPR modeling) is based on the input data from the 2005 AdICPR model, except as noted. The AdICPR model has been updated for Basins S-1; S-2, S-7 \& S-13; S-3; S-4; S-5; and S-9/S-10 for this Facilities Report update.

SBDD facilities consist of pump stations, culverts, water control structures, canals and lakes. SBDD staff has identified, located and verified new and existing facilities. This information has been included in the 2013 Facilities Report update.

## Updating the Physical Characteristics

After updating and redefining the study area, the physical characteristics of the individual drainage basins were compiled. Such characteristics include the number of sub-basins, their land use characteristics, percentage of water management area and
drainage patterns. The hydraulic and hydrologic parameters such as head loss coefficients, SCS curve numbers (for undeveloped parcels, the Broward County Land Use Plan, Figure I-5, was used to estimate the curve number), time of concentration and stage storage relationships were calculated based on the land use patterns of the area in question. Table I-1 lists all of the general nodal assumptions that were used in the older areas where detailed information was not available from permits or plans, as well as the rainfall data used in the AdICPR model runs.

## Reviewing Current SFWMD Requirements

The SFWMD C-9 Canal and C-11 Canal represent the boundary conditions (tail waters) for the SBDD primary canals. Discharge rates to the C-9 Canal and C-11 Canal are established by SFWMD. Current SFWMD maximum allowable discharge requirements as well as water quality requirements were reviewed to ensure compliance with SFWMD permits. In addition, the SFWMD requirements were also factored into the recommendations in order to ensure a Level of Service "C" is achieved by SBDD. Table I2 describes the proposed Level of Service descriptions $\quad$ \& water management features and Table I-3 lists the corresponding stages and des ${ }^{\circ}$. $\stackrel{\circ}{ }$ levations for SBDD's adopted Level of Service.

## Overall SBDD Facilities Maps and Tables

As part the 2013 Facilities Report Update, SBD $\perp$ _dated the Existing Facilities Map for each individual drainage basin and co -nonding `ulvert Schedule Table. SBDD also prepared new maps depicting locations ffen ing flvod gates, control structures, staff gauges, water level recorders, fish guarc , nd $\mapsto_{\llcorner }$DD bench marks; both overall and individual basin maps where $=$ plic ble. igures I-6, I-7, I-8, I-9, I-10, and I-11 show the overall District facilities or floo gates, ontrol structures, staff gauges, water level recorders, fish guards, and ${ }^{\top} \mathrm{B}^{\top} \Omega$ vu.. 1 marks, respectively, with corresponding Schedule Tables I-4, I-5 - I-7, 8, and I-9.

## ENGINEERING ANAL SIS

The model utilized to conduct the hydraulic analysis for developing the SBDD Facilities Report is Advanced Interconnected Pond Routing (AdICPR) version 3.0 by Streamline Technologies. AdICPR uses a link node-concept to idealize real world systems. As part of the modeling requirements, the drainage system is broken down into a network of links and nodes, which the AdICPR program translates into a mathematical network from which numerical calculations can take place.

Two different storm events, the 10-year, 3-day and 100-year, 3-day, were analyzed with AdICPR. An analysis was conducted for the future developed basin conditions (built-out) with the proposed basin conveyance system (Future/Proposed). The Future/Proposed developed condition simulation was used to analyze the Level of Service being provided. The AdICPR link data was based on a clean and operable conveyance system.

## RECOMMENDATIONS

The Facilities Report includes recommendations based on existing basin characteristics, modeling results and/or updated governmental regulations. The recommendations that are listed are intended to address the following criteria:

- Address facilities or sub-basins that fail to meet the District's adopted Level of Service.
- Address facilities or sub-basins that do not provide adequate conveyance or flood protection for future conditions.
- Address basin improvements that will reduce flood stages and/or flood durations.
- Address basin improvements that will provide the District with a higher level of operational control, especially during major rainfall events (ie: adjustable flood gates, automated flood gates, basin interconnects).
- Address basin improvements that will improve water quality.
- Address basin improvements that will restore ec 'ogical shortcomings and/or enhance the environment.

Specific basin recommendations are summarized al. included in the detailed description and discussion of each basin.

## FIGURES AND TABLES EXPLANAT :

Results of the AdICPR modeling are pres ntf . arı discussed for each individual basin. A series of figures and tables $r$. $n$ nt $t_{1}$ findings and are provided as part of each basin discussion. The follow' g brie ${ }^{\dagger}$ exple is these figures and tables:

## Summary of Basin Characteris. (Table)

Information used tr model $\mathrm{t}_{1} \quad \mathrm{ba}_{\mathrm{n}}$, is summarized in this table; total area, pervious area, impervious ar and lake reas are given for future land use.

The control water eleval. १, animum road crown elevation and minimum finished floor elevation are taken from existing South Florida Water Management District basin permits and are based on the SBDD adopted Level of Service.

This table also gives a minimum percentage of lake area required to meet South Broward Drainage District Level of Service for all new developments.

## Existing Facilities Map (Figure)

This figure shows the basin boundary and main roadways within each basin. It also shows existing primary and secondary stormwater facilities such as lakes, canals, culverts, control structures and pump stations.

## Existing Culvert Schedule (Table)

The schedule refers to the culvert ID numbers shown on the facility map and includes existing pipe information (location, shape, size, material, length and description).

This figure shows the proposed basin improvements for each basin, as applicable.

## Control Water Elevation Map (Figure)

This figure shows the different Control Water Elevations (CWE) within individual basins, as applicable.

## Flood Gates Map (Figure)

This figure shows the existing flood gates located within each individual basin.

## Flood Gates Schedule (Table)

This schedule lists the location and description of each flood gate.

## Control Structures Map (Figure)

This figure shows the existing control structures locate ithin each individual basin.

## Control Structure Schedule (Table)

This schedule lists the location and descriptic of eac ${ }^{1}$ control structure.

## Staff Gauge Map (Figure)

This figure shows the existing staff gauge loca ${ }^{1}$ witıın each individual basin.

## Staff Gauge Schedule (Table)

This schedule lists the locat. $\urcorner$ and $\cdots$ rintı $n$ of each staff gauge.

## Fish Guards Map (Figu -

This figure shows i sexisting, h guards located within each individual basin.
Fish Guards Schedule, ${ }^{\text {ble) }}$
This schedule lists the location and description of each fish guard.
Nodal Diagram (Figure)
This figure provides a depiction of nodal diagram used in the AdICPR model for each individual basin.

## Basin Maximum Stage Report (Table)

This report provides the output data from the AdICPR model for the calculated, maximum stages at all nodes within the basin. The output data includes the maximum stages and maximum time stages for the 10 -year, 3 -day; 25-year, 3 -day; and the 100 year, 3-day storm events.

## 72-Hour Nodal Stage Report (Table)

This report shows the output data from the AdICPR model for calculated stages at the 72 -hour time period at all nodes within the basin. The output data includes the 72 -hour stages for the 10-year, 3-day; 25-year, 3-day; and the 100-year, 3-day storm events. The data from this report can be extracted to determine the canal profiles for the District's primary canals at the 72 -hour time period for the above-noted design storms.

## SBDD Stormwater Management Regulations, Standards, Procedures and Design Criteria Manual (Appendix 1)

Appendix 1 includes a copy of the District's Stormwater Management Regulations, Standards, Procedures and Design Criteria Manual.

## SFWMD Permits (Appendix 2)

Appendix 2 includes copies of the SFWMD Basin Permits for each individual drainage basin.

## AdICPR Input Data (Appendix 3)

Appendix 3 includes the AdICPR input data for each . . divic al drainage basin.

## IMPORTANT NOTE:

The information contained in the existir. in ${ }^{{ }^{1}}$ ities $m_{1}$. , in this Facilities Report is based on current information including, field ( iser tu , field measurements, and as-built drawings. It also includes $\mathrm{pr}^{\prime}$. od $\mathrm{f}_{2}$ aties based on permit applications, lake excavation plans and propose devel pmen olans submitted to the District for review at the time that the facilities $m_{\star}$, was -man. Therefore, to confirm the current status of any facilities shown on the exis s facilities maps, please contact the District.

While the informatir contair ${ }^{\prime}$ wit in this Facilities Report should be substantially correct, the District ves not wi rant or guarantee that any of the information stated in this report or depicted , the ${ }^{f}$ cilities maps is final and absolute. Anyone interested in determining the actual fa, ": es located within any part of the District should perform their own survey and make an independent determination as to the actual facilities including, but not limited to, culverts, culvert sizes, culvert materials, invert elevations, existing topography, lakes, lake locations, mitigation areas, canal locations and the nomenclature used to identify or describe any of these facilities.



$\square$
SOUTH BROWARD DRAINAGE DISTRICT MUNICIPAL BOUNDARY MAP

## Legend

Control Structures
Pump Station
SBDD Canals
$\longrightarrow$ SFWMD Canal
SBDD Boundary


12,000


Calvin, Giordano \& Associates, Inc.
SOUTH BROWARD DRAINAGE DISTRICT ELECTORAL ZONE MAP

ZONE 4
ZONE 5 ZONE 6
ZONE 7



SOUTH BROWARD DRAINAGE DISTRICT DRAINAGE BASIN MAP

## Legend

bASIN S-10 BASIN S-1 BASIN S-11
BASIN S-12 BASIN S-12
BASIN S-13 BASIN S-13 BASIN S-2 BASIN S-3


TABLE I-1


TABLE I-2

| PROPOSED LEVEL OF SERVICE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LEVEL OF SERVICE |  |  |  |  |  |  |
| Reference | A | B | C | D | E |  |
| 1. Building Floor Elevation |  |  |  |  |  |  |
| A. Emergency Shelters/Service | >100 Year Storm Retained | >100 Year Storm Retained | >100 Year Storm w/Allowable Discharge | >100 Year Storm w/Allowable Discharge | >100 Year Storm <br> Retained |  |
| B. Habitable | >100 Year Storm Retained | >100 Year Storm Retained | >100 Year Storm w/Allowable Discharge | >100 Year Storm w/Allowable Discharge | >100 Year Storm Retained |  |
| C. Employment/Service | >100 Year Storm Retained | >100 Year Storm Retained | $>100$ Year Storm w/Allowable Disrharge | >100 Year Storm w/Allowable Discharge | >100 Year Storm Retained |  |
| 2. Roads (Edge of Pavement) |  |  |  |  |  |  |
| A. Evacuation Routes | >100 Year Storm Retained | >100 Year Stor Retaine | $>100$ Ye. `orm Retaine, & >100 Year Storm Retained & >100 Year Storm Retained \\ \hline B. Emergency Service & >100 Year Storm Retained & \(>100 \mathrm{Yt}\). `torm Retaine. | >100 Year Storm Retained | >100 Year Storm Retained | >100 Year Storm Retained |
| C. Arterials | $\begin{aligned} & >100 \text { Year Storm } \\ & \text { Retained } \end{aligned}$ | $\begin{aligned} & \text { lu }{ }^{\text {n }} \text { Storm } \\ & \text { w/All } \\ & \Gamma^{\prime} \text { narge } \end{aligned}$ | $>10$ Year Storm w/Allowable Discharge | $>5 \mathrm{Yr} / 1$ Day Storm w/Allowable Discharge | >5 Yr/1 Day Storm w/Allowable Discharge |  |
| D. Collectors | , Year Stc 1 Retainer' | >2. ear Storm w/a . .lowable Discharge | >10 Year Storm w/Allowable Discharge | >5 Yr/1 Day Storm w/Allowable Discharge | >5 Yr/1 Day Storm w/Allowable Discharge |  |
| E. Neighborhood | 1 Yeaı tained | >25 Year Storm w/Allowable Discharge | >10 Year Storm w/Allowable Discharge | >5 Yr/1 Day Storm w/Allowable Discharge | >5 Yr/1 Day Storm w/Allowable Discharge |  |
|  |  |  |  |  |  |  |
| A. Urban (> 1 DU/ AC) | >100 Year Storm Retained W.Q. > 100\% | $\begin{aligned} & \text { >25 Year Storm } \\ & \text { w/Allowable } \\ & \text { Discharge } \\ & \text { W.Q. > 100\% } \end{aligned}$ | >5 Year Storm w/Allowable Discharge W.Q. > 100\% | >3 Year Storm w/Allowable Discharge W.Q. > 100\% | >3 Year Storm Retained W.Q. > 50\% |  |
| B. Rural (< or = $1 \mathrm{DU} / \mathrm{AC}$ ) | >100 Year Storm Retained W.Q. > 100\% | >25 Year Storm <br> w/Allowable Discharge W.Q. > 100\% | >3 Year Storm <br> w/Allowable <br> Discharge <br> W.Q. > 100\% | $>3$ Year Storm Retained W.Q. > 50\% | >3 Year Storm Retained W.Q. > 50\% |  |
| Notes: |  |  |  |  |  |  |
| 1. Rainfall frequencies are 3 Day <br> 2. Flood Durations are unspecifi <br> 3. Employment and Serive Build <br> 4. SBDD Requires Level of Service | 0,25 and 10 Year <br> e utilized by 5 or m ". | rms, and 1 Day for persons per day. | ser events unless ot | rwise noted. |  |  |

TABLE I-3

| DESIGN ELEVATIONS |  |  |  |
| :---: | :---: | :---: | :---: |
| SBDD <br> Basin Number | Basin <br> Control Elevation | Minimum <br> Road Crown 10-Year 3-Day | Minimum <br> Finished Floor 100-Year 3-Day |
| BASIN S-1 | 2.50 | 6.50 | 8.00 |
| BASIN S-2 | 2.70 | 6.00 | 7.50 |
| BASIN S-3 | 3.00 | 6.50 | 8.00 |
| Lido Isles (Figure II-C-3) | 3.50 | 6.50 | 8.00 |
| BASIN S-4 | 3.50 | 6.00 | 7.50 |
| BASIN S-5 |  |  |  |
| Sub-Basin 1 (Figure II-E-2) | $\bigcirc$ | 6.00 | 7.50 |
| Sub-Basin 2 (Figure II-E-2) | $\checkmark 5$ | 6.50 | 8.00 |
| Sub-Basin 3 (Figure II-E-2) | 4.5 | 6.50 | 8.00 |
| BASIN S-6 |  | SEE NOTE 3 |  |
| BASIN S-7 | 2.70 | 6.00 | 7.50 |
| BASIN S-8 | 3.50 | 6.00 | 7.50 |
| Ivanhoe (Figure II-G-3) | 4.00 | 6.50 | 8.00 |
| BASIN S-9 | 4.00 | 6.50 | 8.00 |
| BASIN S-10 | 4.00 | 6.50 | 8.00 |
| BASIN S-11 |  | SEE NOTE 3 |  |
| BASIN S-12 | 3.00 | 7.00 | 8.00 |
| BASIN S-13 | 3.00 | 6.00 | 7.50 |
| NOTES : |  |  |  |
| 1. All Elevations are in feet NGV <br> 2. All information taken from exi <br> 3. Basin S-6 and Basin S-11 have <br> No analysis was done on these | istrict Basin t aside as na | its. <br> preserves. |  |




SOUTH BROWARD DRAINAGE DISTRICT OVERALL MAP WITH FLOOD GATES

## Legend

Major Control Structures
Pump Station
SFWMD Canal

SBDD Basins


TABLE I-4
SBDD OVERALL FLOOD GATE SCHEDULE
ID
Subdivision
Location
Description

| 1-38 | University Park | University Dr. \& Miramar Blvd. | 60" W X 60" H |
| :---: | :---: | :---: | :---: |
| 3-2.4 | SBDD S-3 Pump Station | 14801 Bass Creek Rd. | 48" W X 48" H |
| 3-2.5 | SBDD S-3 Pump Station | 14801 Bas Creek Rd. | 48" W X 48" H |
| 3-32 | Trilogy | Flamingo Rd. Canal \& (S) of Pembroke Rd. | 42" W X 42" H |
| 3-100 | Monarch Lakes | Flamingo Rd. Canal \& Monarch Lakes Blvd. | 54" W X 54" H |
| 4-8 | Silver Lakes / Nautica | SW 172nd Ave. \& Bass Creek Rd. | 60" W X 60" H |
| 5-59 | SBDD S-4 \& S-5 Pump Station | 5500 SW 172nd Ave. | 60" W X 36" H |
| 8-7 | Ivanhoe | Sessa's - Hawke's Bluff Ave. | (1) 60" W X 60" H \& (1) 32" W X 32" H |
| 8-11 | Ivanhoe - South Outfall | Hawke's Bluff Ave. \& Sledgemill Rd. | 120" W X 24" H |
| 8-36 | Green Meadows | Griffin Rd. \& SW 164th Ter. | 36" W X 36" H |
| 8-44 | Deems Ranches | Griffin Rd. \& SW 170th Ave. | 48" W X 48" H |
| 8-62 | Rolling Oaks | Griffin Rd. \& SW 181st Ave. | 60" W X 60" H |
| 9-1.1 | SBDD Control Structure 12 | Griffin Rd. \& 196th Ln. | 72" W X 72" H |
| 9-1.2 | SBDD Control Structure 12 | Griffin Rd. \& 196th Ln. | 72" W X 72" H |
| 9-5 | SBDD ICS-12 | 18850 SW 63rd St. | L 'NX 60"H |
| 9-84 | Silver Lakes | Pines Blvd. \& (E) of SW $1^{7}$. Ave. | 78" $\times$ 78" CIRC. |
| 10-2.1 | SBDD Control Structure 13-A | 4701 SW 199th Ave. | 72" W X 72" H |
| 10-2.2 | SBDD Control Structure 13-A | 4701 SW 199th Ave. | 72" W X 72" H |
| 10-7.1 | SBDD Control Structure 13 | Griffin Rd. \& 19. | 72" W X 72" H |
| 10-7.2 | SBDD Control Structure 13 | Griffin Rd. \& 198tı er. | 72" W X 72" H |
| 10-8.1 | SBDD ICS-13 | $1980^{\circ}$ - ${ }^{-}$Oth St. | 66" W X 66" H |
| 10-8.2 | SBDD ICS-13 | ,00 SW t h St. | 66" W X 66" H |
| 10-116 | SBDD ICS-13A | '9950 SV' | 84" W X 84" H |
| 13-14 | Flamingo Falls Shopping Center | S. $\quad$. St. \& Flamingo Rd. | SFWMD G-57 |



Calvin, Giordano \& Associates, Inc
SOUTH BROWARD DRAINAGE DISTRICT OVERALL MAP WITH CONTROL STRUCTURES

## Legend

$\triangle$ Control Structures
Major Control Structures
Pump Station
SFWMD Canal

SBDD Basins


TABLE I-5
SBDD OVERALL CONTROL STRUCTURE SCHEDULE

| ID | Subdivision | Location | General Comments |
| :---: | :---: | :---: | :---: |
| 1-62 | Pasadena Lakes | Polishing Ponds - Sheridan St. \& University Dr. | Over-Flow Structure |
| 1-63 | DGN Towers | 705 SW 88th Ave. | Over-Flow Structure |
| 1-68 | URI Commercial | 1611 Douglas Rd. | Weir w/ Bleeder |
| 2-14 | COPP Charter School East | 10801 Pembroke Rd. | Over-Flow Structure |
| 2-76 | Lakeside Key | 1001 SW 100th Ter. | Over-Flow Structure |
| 2-112 | Miramar Park of Commerce | Palm Ave. \& (N) of S-2 Pump Station | Ground Weir |
| 2-170 | Miramar Park of Commerce | Palm Ave. \& (N) of S-2 Pump Station | Ground Weir |
| 2-175 | Palm Cove Elementary / Sarah Park | SW 114th Ave. \& ( N ) of Washington St. | Concrete Weir w/ top @ 2.7 NGVD |
| 2-183.1 | Miramar Square - (W) Outfall | Flamingo Rd. \& Miramar Pkwy. |  |
| 2-183.2 | Miramar Square - (E) Outfall | Flamingo Rd. \& Miramar Pkwy. | Over-Flow Structure w/ Bleeder @ 4.75 NGVD |
| 2-202(N) | Pines City Center - Mitigation | (E) of NW 106th Ave. \& Washington St. | Over-Flow Structure |
| 2-202(S) | Pines City Center - Mitigation | (E) of NW 106th Ave. \& W ${ }^{\top}$-hington St. | Over-Flow Structure |
| 3-5 | Cobblestone - Mitigation (N) | Behind 1536 SW 147th Teı | Over-Flow Structure |
| 3-15 | Flamingo Plaza / Century Village | (W) of Flamingo Rd. \& (S) o ines $\sqrt{\text { d. }}$ | Flashboard Riser w/ 27" x 4.5" Bleeder @ 3.00 NGVD |
| 3-54 | Windsor Palms | Behind 4090 ${ }^{\text {r }}$ - ` Ave. (a 4 Canal |  |
| 3-110 | Pasadena at Pembroke Shores | 15999 S ${ }^{\prime \prime}$ rd St. | Bubble-Up Structure |
| 3-111 | Wal-Mart | Pines B. \& Flar | Concrete Weir w/ 6" $\times 6$ " Triangle @ 3.00 NGVD |
| 3-121 | I-75 Commerce Center - Mitigation | (W) of SW + Ave. \& (S) of Pembroke Rd. | Over-Flow Structure |
| 3-122 | Cobblestone - Mitigation (S) | Pembic Rd\& Canal | Over-Flow Structure |
| 3-124 | Lido Isles / Pembroke Shores | Behind 77- W 167tu Ave. | 4' Wide Rip-rap Ground Weir |
| 4-8 | Silver Lakes | SW 172nd $f$ ? \& Bass Creek Rd. | Over-Flow Structure @ 8.92 NGVD |
| 5-8 | SBDD Canal 8 | th Er 1 Canal 8 \& SFWMD C-9 |  |
| 5-11 | Sunset Lakes | SW .h Ave. \& (S) of Miramar Pkwy. | Flashboard Riser |
| 5-29 | Encantada | SW 184th Ave \& (N) of SW 14th St. | Weir w/ V-Notch Bleeder @ 4.25 NGVD |
| 5-42 | Walden Lake | Behind 192 SW 204th Ave. | Flashboard Riser |
| 5-43 | Walden Lake | Behind 20512 SW 1st St. | Flashboard Riser |
| 5-49 | Harbour Lake Estates / Silver Lakes | SW 184th Ave \& SW 21st St. | Aluminum Weir w/ 21" x 26" Notch @ 4.42 NGVD |
| 5-50 | Harbour Lake Estates / Encantada | 19168 SW 17th Ct. | Aluminum Weir 96" W @ 4.23 NGVD |
| 5-51 | Harbour Lake Estates / Capaletti Lakes | 2216 SW 195th Ave. | Aluminum Weir 96" W @ 4.21 NGVD |
| 5-52 | Capaletti / Zwerner Lakes - Land Weir | Capaletti / Zwerner Lakes - Land Weir | Ground Weir |
| 5-55 | COPP Soccer Park | 350 SW 196th Ave. | Over-Flow Structure |
| 5-60 | SFWMD C-9 Impoundment Area | C-9 Canal \& SW 202nd Ave. | Flashboard Riser |

TABLE I-5
SBDD OVERALL CONTROL STRUCTURE SCHEDULE

| ID | Subdivision | Location | General Comments |
| :---: | :---: | :---: | :---: |
| 6-2 | US 27 Canal | US 27 \& 1.5 Miles (S) of Pembroke Rd. | Ground Weir |
| 7-72.1 | K-mart Shopping Center - Outfall | Pines Blvd. \& Palm Ave. | Weir w/ 3" Bleeder @ 2.7 NGVD |
| 7-72.2 | Southwest Focal Point Senior Center | 301 NW 103rd Ave. | Weir @ 5.10 NGVD |
| 7-180.1 | Portofino Apartments | 101 NW 108th Terrace - Bldg. \# 150 | Bubble-Up |
| 7-180.2 | Pembroke Lakes Square | 11005 Pines Blvd. |  |
| 8-11 | Waverly Hundred at Ivanhoe | Hawkes Bluff Ave. \& FPL Crossing |  |
| 8-18 | Ivanhoe Estates | 5310 Saxon Circle West |  |
| 8-20 | Chelsea at Ivanhoe | Behind 15090 SW 51st Ct. | Bubble-Up Structure |
| 8-49 | South Broward Drainage District Headquarters | 6591 SW 160th Ave. | ver-Flow Structure (USF 4155-6210) |
| 8-52 | Stoneridge Lake Estates | Behind 16595 Mariposa Cir. N | Flashboard Riser |
| 8-120 | Academic Village | Sheridan St. \& Jaguar Way | Over-Flow Structure |
| 9-46 | Griffin 345 | 190th Ave. \& 57th Ct. | Cross Drain |
| 10-21 | Kingdom Hall of Jehova's Witness | 20850 Griffin Rd. |  |
| 10-48 | Wetlands Bank | 1.25 Miles (S) of Sheridan St. (W) ${ }^{\text {SW }}$. , ch Ave. | Concrete Weir w/ 6" Rect. Notch @ 4.00 NGVD |
| 10-87 | West Broward Industrial Park (S) | 19703 Dun P ... | Concrete Weir w/ 6" Bleeder @ 4.00 NGVD |
| 12-5 | Somerset IV Apartments | (S) of Sc iset Blvd (W) of Fi ingo Rd. Canal | Concrete Weir w/ 8" x 8" Triangle @ 3.00 NGVD |
| 12-16 | Vizcaya | Somerst 'wy. ' , 'nith Ave. | Aluminum Weir w/ 8" W x 42" H Notch @ 3.00 NGVD |
| 12-42 | Silver Falls | Rohind 128s $\quad$ 47th St. @ C-9 Canal | Aluminum Weir w/ 36" x 6 " Triangle @ 3.00 NGVD |
| 12-52 | Red Rd. Residences | (W) or . ${ }^{\text {'Rd. © }}$ 'V 45th Pl. | Concrete Weir w/ 3" Bleeder |
| 13-142 | Pembroke Falls | Flamingo H \& ( N ) of Taft St. | Bubble-Up |



SOUTH BROWARD DRAINAGE DISTRICT OVERALL STAFF GAUGE MAP


## TABLE I-6

SBDD OVERALL STAFF GAUGE SCHEDULE

| ID | Subdivision | Location | Description |
| :---: | :---: | :---: | :---: |
| 6 | B-1 Pump Station | 8081 Taft St. |  |
| 7 | Pasadena Lakes / University Dr. Canal | University Dr. \& Pasadena Blvd. | Water Level Recorder |
| 8 | B-2 Pump Station | 1340 N. University Dr. |  |
| 9 | Old B-3 Pump Station | 1300 NW 79th Way |  |
| 11 | University Park Canal | Sherman Cir. \& Bernard Blvd. |  |
| 12 | S-1 Pump Station | 3900 Utopia Dr. | Water Level Recorder |
| 13 | Knolls \# 3 | Miramar Pkwy. \& Canal Rd. |  |
| 14 | Honeywoods | 8672 SW 15th St. |  |
| 15 | Raintree Golf Course Outfall | Hiatus Rd. \& SW 14th St. |  |
| 16 | Enclave at Miramar Lakes | Pembroke Rd. 1 Block (E) of Entrance |  |
| 17 | S-2 Pump Station | 4000 SW 101st Ave. |  |
| 20 | Monarch Lakes | Monarch Lakes Blvd. \& (W) of Flamingo Rd \&st Lake (S) |  |
| 21 | Country Club Ranches | SW 137th Ave. \& Blue Gill Rd. |  |
| 22 | Windsor Palms Outfall | SW 148th Ave. \& (N) of Bass Creel ${ }^{\text {Ru. by Weir }}$ |  |
| 23 | Huntington | 3640 SW 149th Ter. |  |
| 24 | S-3 Pump Station Downstream | (S) of 14801 Bass Creek R ${ }^{\text {r }}$ |  |
| 25 | S-3 Pump Station Upstream | (N) of 14801 Bass Creek Rd. |  |
| 27 | Pembroke Shores | SW 165th Ave. \& SW 5th St. |  |
| 28 | Grand Palms Outfall | C-4 Canal \& Sab |  |
| 72 | Grand Palms |  | Water Level Recorder |
| 26 | Nautica | (SW - of Miraı kwy. \& Dykes Rd. |  |
| 32 | S-4 Pump Station Upstream | , 0 SW 1: id Ave. |  |
| 34 | S-4 / S-5 Pump Station Downstream | S) of 55r ror17)nd A c. |  |
| 63 | Home Depot at the Fountains | M. $\quad$ Pkwy. \& Dykes Rd. | Water Level Recorder |
| 33 | S-5 Pump Station Upstream | 5500. '172nd Ave. |  |
| 35 | Encantada | ${ }^{\top}$ 184th e. \& (N) of SW 14th St. by Weir |  |
| 36 | Sunset Lakes | S\ 84th Ave. \& (S) of Miramar Pkwy. by Weir |  |
| 37 | SBDD Canal 7 | - 196th Ave. \& (S) of Pines Blvd. | Water Level Recorder |
| 38 | Estancia | sW 196th Ave. \& (S) of Pines Blvd. by Weir |  |
| 39 | Walden Lake | SW 204th Ave. \& SW 2nd St. |  |
| 41 | SBDD Canal 8 | SW 208th Ave. \& (S) of Pines Blvd. |  |
| 42 | SFWMD C-9 Impoundment Area | SBDD Canal 8 (N) of Weir |  |
| 43 | SFWMD C-9 Impoundment Area | SBDD Canal 8 (S) of Weir |  |
| 80 | Sunset Lakes | Sunrise Ave. \& (S) of Miramar Pkwy. | Water Level Recorder |
| 2 | Cedarwoods | Palm Ave. Canal \& (N) of Taft St. | Water Level Recorder |
| 4 | Westview | 1245 NW 92nd Ave. |  |
| 5 | Bayberry | Taft St. \& NW 97th Ave. |  |
| 73 | Pembroke Lakes \# 4 | NW 114th Ave. \& Johnson St. |  |
| 29 | Towngate | NW 155th Ave. \& (N) of Pines Blvd. | Water Level Recorder |
| 47 | Rolling Oaks | Sheridan St. and C-2 Canal |  |
| 49 | Spring Valley Outfall | SW 166th Ave. \& Sheridan St. |  |
| 53 | Rolling Oaks | SW 181st Ave. \& Griffin Rd. |  |
| 54 | S-8 Pump Station Upstream | (N) side of 17221 SW 46th St. |  |
| 55 | S-8 Pump Station Downstream | (S) side of 17221 SW 46th St. |  |
| 56 | Deems Ranches | SW 170th Ave. \& SW 49th St. |  |

## TABLE I-6

SBDD OVERALL STAFF GAUGE SCHEDULE
ID

## Subdivision

Location
Description

| 57 | Green Meadows | SW 164th Ave. \& Stirling Rd. |  |
| :---: | :---: | :---: | :---: |
| 58 | Ivanhoe Flood Gate (N) | Hawke's Bluff Ave. \& Griffin Rd. | Water Level Recorder |
| 59 | Ivanhoe Estates | 5241 Saxon Circle (W) |  |
| 60 | Crossbow at Ivanhoe | Falconsgate Ave. \& Archevale St. |  |
| 61 | Ivanhoe Flood Gate (S) | Hawke's Bluff Ave. \& Sledgemill Rd. |  |
| 62 | SBDD Headquarters | 6591 SW 160th Ave. |  |
| 70 | Deems Ranches | SW 170th Ave. \& Griffin Rd. |  |
| 71 | Green Meadows | SW 164th Ave \& Griffin Rd. |  |
| 30 | Silver Lakes Park | NW 178th Ave. \& NW 10th St. |  |
| 82 | Silver Lakes Flood Gate | (E) of NW 178th Ave. \& Pines Blvd. |  |
| 48 | Keystone Lakes | (W) of SW 184th Ave. at Entrance |  |
| 75 | SBDD CS-12 | 18840 Griffin Rd. |  |
| 78 | SBDD ICS-12 | 18850 SW 63rd St. |  |
| 40 | Chapel Trails | NW 202nd Ave. \& (N) of NW 4th S ${ }^{+}$. | Water Level Recorder |
| 44 | Florida Wetland's Bank | 1.25 miles (S) of Sheridan St. br eir |  |
| 46 | Chapel Trail Outfall | (W) of SW 196th Ave. \& S ${ }^{1}$ dan St. | Water Level Recorder |
| 50 | Trails of El Rancho Acres | Griffin Rd. \& SW 205th Ave. | Water Level Recorder |
| 51 | Durango Estates | SW 199th Ave. \& SW 54th Pl. |  |
| 66 | Hidden Lake |  |  |
| 67 | Menorah Gardens \& Funeral Chapels | 21100 Griffin Rd. |  |
| 68 | SBDD CS-13A Upstream | $4701{ }^{\text {r }}$ 9th Ave. |  |
| 69 | SBDD CS-13A Downstream | $1{ }^{\text {a }}$ of 4701 199th e. in C-11 Canal |  |
| 74 | SBDD CS-13 | ${ }^{1} 9640 \mathrm{Gr}{ }^{\text {r }}$ |  |
| 77 | SBDD ICS-13A | 1. ${ }^{\text {r }}$ N 60th St. |  |
| 79 | SBDD ICS-13 | 1980 ${ }^{1 / 1}$ 60th St. |  |
| 81 | Hidden Lake (W) | 1 of 11ı. JW 209th Ave. | Water Level Recorder |
| 45 | Holly Lake Trailer Park | 210 N. Heritage Cir. (Boat Ramp) |  |
| 18 | Vizcaya | Ir Weir at C-9 Canal |  |
| 19 | S-7 Pump Station | 4301 SW 124th Ave. |  |
| 64 | Silver Falls Outfall | Behind 4691 SW 131st Ter. |  |
| 1 | Flamingo Falls Shopping Center | Sheridan St. \& Flamingo Rd.- (SW) Corner |  |



Calvin, Giordano \& Associates, Inc
SOUTH BROWARD DRAINAGE DISTRICT OVERALL MAP WITH WATER LEVEL RECORDERS


FIGURE I-9

SBDD OVERALL WATER LEVEL RECORDER SCHEDULE
Location

| PB0007 | Pasadena Lakes / University Dr. Canal | University Dr. \& Pasadena Blvd. |
| :---: | :---: | :---: |
| S10000 | S-1 Pump Station | 3900 Utopia Dr. |
| GP0072 | Grand Palms | Pembroke Rd. \& (E) of SW 152nd Ave. by Water Level Recorder |
| HD0063 | Home Depot at the Fountains | Miramar Pkwy. \& Dykes Rd. |
| C70037 | SBDD Canal 7 | SW 196th Ave. \& (S) of Pines Blvd. |
| SNLK75 | Sunset Lakes | Sunrise Ave. \& (S) of Miramar Pkwy. |
| CW0002 | Cedarwoods | Palm Ave. Canal \& (N) of Taft St. |
| TG0029 | Towngate | NW 155th Ave. \& (N) of Pines Blvd. |
| IVFG58 | Ivanhoe Flood Gate (N) | Hawke's Bluff Ave. \& Griffin Rd. |
| CT0040 | Chapel Trails | NW 202nd Ave. \& (N) of NW 4th St. |
| CTFG46 | Chapel Trail Outfall | (W) of SW 196th Ave. \& Sheridan St. |
| TR0050 | Trails of El Rancho Acres | Griffin Rd. \& SW 205th Avf |
| HILK74 | Hidden Lake (W) | (N) of 1111 NW 209th |
|  |  |  |



SOUTH BROWARD DRAINAGE DISTRICT OVERALL MAP WITH FISH GUARDS

## Legend

$\square$ Fish Guards
Major Control Structures
Pump Station
SFWMD Canal
sBDD Boundary
SBDD Basins


TABLE I-8
SBDD OVERALL FISH GUARD SCHEDULE

| ID | Subdivision | Location |
| :---: | :---: | :---: |
| 2-6 | Cleghorn / Montclair (N) | Montclair Blvd. \& SW 27th Ct. |
| 2-29 | Waterview | SW 34th Ct. \& SW 90th Ter. |
| 2-30 | Waterview | SW 34th Ct. \& SW 90th Ter. |
| 2-41 | Cleghorn / Flamingo Cove | SW 116th Ave. \& SW 30th St. |
| 2-42 | Cleghorn / Montclair (W) | SW 119th Way \& SW 28th St. |
| 2-43 | Cleghorn / Martinique | 2784 SW 121st Ave. |
| 2-110 | Waterview | SW 34th Ct. \& SW 90th Ter. |
| 2-171 | Miramar Park of Commerce | Palm Ave. Canal \& S/O Miramar Blvd. |
| 2-174 | Bed, Bath \& Beyond | Pines Blvd. \& 114th Ave. - Behind Store |
| 2-194 | Miramar Park of Commerce IV - (N) Pipe | Palm Ave. \& Premier Pkwy. |
| 2-205 | Miramar Park of Commerce Phase IV | Palm Ave. \& Premier ${ }^{\text {D }}$ kwy. |
| 3-33 | Monarch Lakes | West Lake on WF ste |
| 3-53 | Huntington | Outfall @ C- ${ }^{\text {a }}$. |
| 3-83 | Pembroke Shores | (W) of SW 164th Ave. SW 5th St. |
| 4-11 | Riviera Isles | $513{ }^{1}$ N 151st Ave. |
| 4-16 | Regalo @ Riviera Isles | ${ }^{35}$ SW 16' Ave. |
| 5-5 | Silver Lakes | S, 92. Ave. \& SW 9th St. |
| 5-11 | Sunset Lakes | SW 1c Ave. \& (S) of Miramar Pkwy. |
| 5-29 | Encantada | ${ }^{\text {cW }}$ 184th $\underbrace{*}$ \& (N) of SW 14th St. |
| 5-35 | Franklin Academy | $\checkmark$. $1 \mathrm{ve} \mathrm{\&} \mathrm{SW} \mathrm{3rd} \mathrm{St}$ |
| 5-49 | Harbor Lakes | SW 185th Ave. \& SW 21st St. |
| 7-59 | Pembroke Lakes | Johnson St. \& W/O Hiatus Rd. |
| 8-51 | Estates of Stirling Lakes | Erie Pl. @ South end |
| 8-96 | Towngate | NW 155th Ave. \& (N) of NW 5th St. |
| 8-99 | Park Crossing $\mathrm{a}^{+}$wnya. | NW 155th Ave. \& NW 15th St. |
| 8-102 | Towngate / . ıng Valley Parı | NW 160th Ave. \& (N) of NW 15th St. |
| 8-104 | Spring Valley | NW 163rd Ave. \& NW 13th St. - East Side |
| 8-106 | Spring Valley | NW 163rd Ave. \& NW 13th St. - East Side |
| 8-107 | Spring Valley | NW 163rd Ave. \& NW 12th St. - East Side |
| 8-109 | Spring Valley | 16146 NW 12th St. |
| 8-110 | Spring Valley | NW 163rd Ave. \& NW 11th St. - East Side |
| 8-114 | Spring Valley | NW 163rd Ave \& 8th Dr. (W) |
| 8-116 | Spring Valley | 935 NW 164th Ave. |
| 8-119 | Spring Valley | 355 NW 164th Ave. |
| 8-122 | Spring Valley | NW 164th Ave. \& NW 2nd Dr. |
| 8-124 | Parkside at Spring Valley | NW 163rd Ave. \& NW 23rd St. |
| 9-29 | Keystone Lake | 19455 NW 24th Pl. |
| 9-50 | Laguna Isles | SW 193rd Ave. \& (N) of Sheridan St. |
| 9-108 | Silver Lakes / Chapel Trail | NW 184th Ave. \& (S) of Keystone Lake Entrance |
| 10-44 | Chapel Trail Estates | NW 195th Ave \& NW 13th St. |
| 10-45 | Mlaibu Bay | NW 208th Ave. \& (S) of Johnson St. |



Calvin, Giordane \& Associates, Inc.
SOUTH BROWARD DRAINAGE DISTRICT BENCHMARK MAP


TABLE I-9

| SBDD OVERALL BENCHMARK SCHEDULE |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Description | $\begin{aligned} & \text { Elevation } \\ & \text { (N.G.V.D.) } \end{aligned}$ |
| 1 | Holly Lake Trailer Park | NW 215th Ave. \& (S) of NW 7th St. | Set nail and disk lb \#3870 in most Southwest Corner of boat ramp at north end of lake. | 3.68' |
| 2 | Hidden Lake (West) | (N) of 1111 NW 209th Ave. | Set nail and disk lb \#3870 in southeast corner of headwall on canal south of Hidden Lake; east side of NW 209th Ave.; 60' east of center line of 209th Avenue. | 5.94' |
| 3 | Hidden Lake (East) | NW 208th Ave. \& (S) of NW 14th St. | Set nail and disk lb \#3870 10' th of south end of headwall on canal south of Hidden Lake; 65' west of west E.O.P. of NW 208 $\quad$ south of NW 14th Street. | 5.71' |
| 4 | Silver Lakes (North) | (E) of NW 178th Ave. \& Pines Blvd. | Set nail and disk lb \#`970 in center `eadwall on north side of Pines Blvd; +/- 200' east of NW 178th Avenue. | 6.85' |
| 5 | Silver Lakes (South) | (E) of NW 178th Ave. \& Pines Blvd. | Set nail and klb \#387r J' east of west end of headwall on south side of Pines Blvd.; +/- 200' east of NW 178th - nue | 5.29' |
| 6 | Waverly Hundred at Ivanhoe | Hawke's Bluff Ave. \& Sledgemill Rd. |  | 10.16' |
| 7 | SBDD ICS-12 | 18850 SW 63rd St. | Set I. 'and sk Iv. 0 in headwall on south side of SW 63rd Street; east of 18900 SW 63rd Street. " ast of C.L.F. | 5.97' |
| 8 | SBDD ICS-13 | 19800 Striling Rd. | Cot nail al . disk lb \#3870 in headwall on south side of Stirling Road. West of 196th Avenue. | $6.24{ }^{\prime}$ |
| 9 | SBDD ICS-13A | 19950 Striling Rd. | Set nail and disk lb \#3870 in east end of headwall on south side of Stirling Road. West of 199th Avenue. | 5.01' |
| 10 | SBDD CS-13A (North) | 4701 SW 199th AV | Set nail and disk lb \#3870 on west end of headwall, north of Griffin Rd. | 6.48' |
| 11 | SBDD CS-13A (South) | 4701 SW 199th Ave. | Set nail and disk lb \#3870 at NW corner of aluminum gate stand top of concrete headwall, south side of Griffin Rd. | 7.50' |
| 12 | SBDD CS-13 | 19640 Griffin Rd. | Set nail and disk lb \#3870 at NW corner of aluminum gate stand top of concrete headwall south side of Griffin Rd. | 7.76' |
| 13 | SBDD CS-12 | 18840 Griffin Rd. | Set nail and disk lb \#3870 6 1/2 feet east of west C.L.F. on headwall at 18840 Griffin Road (south side). | 6.85' |
| 14 | Rolling Oaks | (W) of 17950 Griffin Rd. | Set nail and disk lb \#3870 at center line headwall +/- 300' west of Church entrance south side of Griffin Road. | 5.36' |
| 15 | SBDD S-8 Pump Station (North) | SW 172nd Ave. \& Griffin Rd. | Set nail and disk lb \#3870 set 5 ' + -- west of east end of headwall north side of Griffin Road and SW 172nd Avenue. | 4.68' |

TABLE I-9

| ID | SBDD OVERALL BENCHMARK SCHEDULE |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Subdivision | Location | Description | $\begin{aligned} & \text { Elevation } \\ & \text { (N.G.V.D.) } \end{aligned}$ |
| 18 | Sunset Lakes | SW 185th Ave. \& (S) of Miramar Pkwy. | Set mag nail and washer in headwall at Sunset Lakes site "BL LB 6852" Horizontal location Northing 597934.705 Easting 855608.251 Vertical elevation 4.59' NAVD 1988 | 6.12' |
| 19 | Menorah Gardens | (E) of 21100 Griffin Rd. | Large nail and blue disk in cente .e of rip-rap headwall $+/-48$ south of south edge of pavement Griffin Road and +/-50' east $\quad$ +/- 135' north of the N.E. corner of Menorah Gardens and Funeral Home building. | 4.94' |
| 20 | Trails of El Rancho Acres | (W) of SW 202nd Ave. \& Griffin Rd. | Square cut in center ${ }^{\circ}$ - of concrete . twall $+/-92$ ' south of south edge of pavement Griffin Road and $+/$ - 1025' wer 1 centerline S.W. 2e ${ }^{\text {t Avenue. }}$ | $4.37^{\prime}$ |
| 21 | Deems Ranches | (W) of SW 168th Ave. \& Griffin Rd. | Square cut : onterline, -oncrete headwall $+/-67$ ' south of south edge of pavement Griffin Road and $+/-335$ ' w- of $r$.erline S.W. 168th Avenue. | $6.37^{\prime}$ |
| 22 | Green Meadows | (W) of SW 164th Ter. \& Griffin Rd. | Sc $\cdots$ cut in center of concrete headwall +/-50' south of south edge of pavement Griffin Road ar +, "west of cel. 'ine S.W. 164th Terrace. | 6.64' |
| 23 | Ivanhoe (N) Flood Gate | Hawke's Bluff Ave. \& (S) of Griffir | Squart $\quad \begin{array}{l}\text { in centerline of concrete headwall }+/-62^{\prime} \text { S.W. of centerline Hawkes Bluff Avenue and }+/- \\ 1200 \text { ' ea and } \quad \text { of Dykes Road and also }+/-56 \text { ' east of centerline of an asphalt drive. }\end{array}$ | 8.25' |
| 24 | SBDD C-12 Canal at Sheridan St. | (W) of 18851 Sheridan St. | Street west of Valdez Nursery (Bench Mark 2" square cuts). | $5.30{ }^{\prime}$ |
| 25 | Durango Estates | Behind 5931 SW ${ }^{\text {dth Ave. }}$ | On the east end of the headwall on the north side of Stirling Road west of the fire station which is west of 196th Avenue (Bench Mark 2" square cuts). | 5.94' |
| 26 | Grand Palms | Sabal Palm Dr. \& (N) C. ${ }^{\text {V }}$ N 15th | On the west side of Sabal Palm Dr.Elevation on top of bolt in south concrete headwall. | 3.78' |
| 27 | Country Club Ranches | (E) of SW 137 Ave. \& (N) of SW 41 St. | Miramar. Blue Gill Road - Elevation in square cut on top of headwall. | $3.32 '$ |
| 28 | North 29 | (N) of 15500 SW 29th St. | Home Depot. Miramar Parkway \& Dykes Road - Elevation in square cut on top of headwall. | 4.32' |
| 29 | SBDD S-7 Pump Station | 4301 SW 124th Ave. | Brass disc set at (NW) corner of building, next to trash rack. | 8.54' |
| 30 | SBDD S-2 Pump Station | 4000 SW 101st Ave. | Brass disc set at (NW) corner of building, next to trash rack. | 8.676' |
| 31 | SBDD S-1 Pump Station | 3900 Utopia Dr. | Brass disc set at (NW) corner of building, next to trash rack. | 8.71' |

SBDD OVERALL BENCHMARK SCHEDULE
$\square$

## SOUTH BROWARD DRAINAGE DISTRICT



## SOUTH BROWARD DRAINAGE DISTRICT



## BASIN S-1



## BASIN S-1

## DESCRIPTION

The S-1 basin is located in the eastern quadrant of the District and encompasses approximately 6.5 square miles. It is bordered by Sheridan Street and Taft Street on the north, by the Miami-Dade County/Broward County line (Florida Turnpike Extension), Pembroke Road and Hollywood/Pines Boulevard to the south, by Douglas Road to the west, and by University Drive, SW $72^{\text {nd }}$ Avenue and N $68^{\text {th }}$ Avenue to the east. The $\mathrm{S}-1$ basin includes portions of three municipalities: the eastern sections of the Cities of Pembroke Pines and Miramar, and the western portion of the City of Hollywood. The overall boundaries of the S-1 Basin and its existing facilities are shown in Figure II-A-1 and Table II-A-1 provides a summary of the S-1 Basin characteristics..

The S-1 Basin represents an older, more urbanized section of the District. Many of the homes and infrastructure in this basin were built prior to 1970 and there are very few undeveloped parcels of land in the basin. Since 2005, $\mathrm{t}^{2}$, following improvements have been completed within the S-1 Basin:

- Demolition and removal of the B-4 seconda pump sta 'on.
- Upgrades to the control panels for the $S$ pumn station.
- Canal dredging and deepening for the T í $\mathrm{St}^{r}$ it Canal.
- Installation of a culvert lining for the L pump station discharge pipe (42" diameter).
- Installation of a culvert lining $\mathrm{t}^{-}$th ${ }^{\prime}$ - pump station discharge pipe (30" diameter).
- Demolition and remov of tl B-3 econdary pump station and installation of twin 48" diameter cui rts.
- Installation of revetmen abilization at miscellaneous lake interconnects.
- Miscellaneous ııveı. lear. gs and weir removals.

The following new a elopment have been completed:

* Tuscany, Calabria Di is Health Park, DGN Towers, Veterans Administration, URI Commercial.

The following infrastructure improvements are proposed for the S-1 Basin:

- Continued dredging and deepening of SBDD primary and/or secondary canals.
- Hardening of lake banks and headwalls at critical lake interconnect locations.
- Installation of boat ramps for improved access by SBDD maintenance crews.
- Miscellaneous culvert repairs/replacements.


## METHODOLOGY

The SBDD Canal No. 1 is the primary canal that serves Basin S-1. Canal No. 1 extends along the east side of University Drive from Sheridan Street to the District's S-1 pump station located just north of the Homestead Turnpike Extension (a distance of
approximately 4.0 miles). Allowable discharge from the basin is directed to the SFWMD C-9 Canal and is controlled by the $\mathrm{S}-1$ stormwater pump station. Water quality requirements and discharge rates from the basin are regulated by the SFWMD Permit \# 06-00826-S, with an allowable discharge rate of 425 cfs . The control water elevation for the $\mathrm{S}-1$ Basin is $2.5^{\prime}$ NGVD and water quality for the basin is provided behind the pump station, prior to any discharge into the SFWMD C-9 Canal.

The pump station consists of four pumps, three primary and one redundant pump. The operation of the pump station is fully automated through state of the art control panels and telemetry system. The control systems for the $\mathrm{S}-1$ pump station have been programmed to ensure that required water quality standards are met prior to discharge, and that discharge rates meet the allowable rates under the SFWMD Permit.

Development in Basin S-1 has been ongoing since the early 1950's and the land use consists primarily of residential and commercial properties. Some areas of the basin, which were developed prior to 1970, lack sufficient stormwater management, since they were not subject to the regulations and guidelines establi . .ed by state and local agencies after 1970.

Approximately one square mile of residential area $\ldots$ the east $\urcorner$ part of the basin, within the City of Hollywood (Sections 11 and 14) dr s not have a di.ect discharge point into SBDD Canal No. 1. The storm runoff from the. arr sis assumed to sheet flow to Canal No. 1 during major storm events. The drainage stems at the North Perry Airport and Broward College properties are self-con a. - d and. a not included in the model. Also, the FPL borrow lakes south of Sheridan , reet ...nt have a direct connection to the S-1 Basin conveyance system. As resul nere is a difference in the land area of approximately 1,120 acres bet cen 1 e mos 21 and the actual basin area. Basin S-1 also serves areas that are consi sed tr ho nut. de of the boundaries of the basin. These areas are east of University $L:$ and south of Pembroke Road, including portions of Miramar Parkway and con tiau reas within Sections 22 and 27.

The developments ast of Un ersity Drive all have stormwater management systems consisting of lakes, ca. 1 s and ulverts that are interconnected and discharge into Canal No. 1 at several sharec 1 all points, with the one exception of the Mission Wood development.

Figure II-A-1 depicts the existing facilities in Basin S-1 and Table II-A-2 provides the existing culvert schedule for the basin. Figures II-A-2, II-A-3, and II-A-4 show the existing flood gates, control structures, and staff gauges within Basin S-1, respectively, with corresponding Schedule Tables II-A-3, II-A-4, and II-A-5.

## MODEL ANALYSIS

Basin S-1 is comprised of nine (9) sub-basins that discharge into Canal No. 1, six by gravity and the other two by gravity and via pump stations. Table II-A-1 identifies the basin characteristics.

The AdICPR computer modeling was performed to simulate the 10-year, 3-day and the 100-year, 3-day storm events for future conditions including known improvements through the current update. A new model run was performed in 2013 based on the 2005 input data, removal of the B-3 and B-4 secondary pump stations, and adjustments to the rainfall data.

Figure II-A-5 shows the AdICPR nodal diagram for Basin S-1 and Tables II-A-6 and II-A-7 list the AdICPR output data for maximum stages and 72 -hour stages at each node within the basin.

## SUMMARY \& RECOMMENDATIONS

The AdICPR model results indicate that the basin is adequately served by the existing infrastructure in Basin S-1 and the basin meets the District's adopted Level of Service for the 10-year and 100-year storm events.

The model results also indicate that the peak stages in `umulative head loss in Canal No. 1 is within an acceptable range. Therefore, n 1mprov hents are recommended for the conveyance ability of the system, since it me s SBDD's ac rted Level of Service and provides adequate storage and drainage for th basin s a whole. However, it is strongly recommended that no additional culvert crossı. $r$, ve permitted in the University Drive Canal (SBDD Canal No. 1). In addition 111 undev - oed areas shall provide a minimum of $15 \%$ water management area, or equi $\mathrm{le}_{\text {. }}$

For modeling purposes, the tw' $\cap$ ren aing secondary stormwater pump stations regulating the north central sr ,-bas s wei activated to operate at Elevation 4.0' NGVD. These pumps are used to re ref $\mathfrak{r}$. argets and durations within the sub-basins they serve.

Due to the lack of storm s ver - stem and positive drainage connection the SBDD's primary canal, the esidentia areas east of N. 72 nd Avenue can experience limited localized flooding dur. ${ }^{\circ}$ inter e rainfall events. Any drainage improvement should be part of a Neighborhood I $1 . \wedge$ vement Project undertaken by the local municipality.

## SUMMARY OF BASIN CHARACTERISTICS BASIN S-1

GENERAL

| BASIN AREA | (AC) | 4160 |
| :--- | :---: | :---: |
| PERVIOUS AREA | $(\mathrm{AC})$ | $2092(51 \%)$ |
| IMPERVIOUS AREA | $(\mathrm{AC})$ | $1913(46 \%)$ |
| LAKE AREA | $(\mathrm{AC})$ | $155(3 \%)$ |
| CONTROL ELEVATION | (FT NGVD) | 2.50 |
| 10-YEAR 3-DAY FLOOD ELEVATION | (FT NGVD) | 6.50 |
| (MINIMUM ROAD CROWN) | (FT NGVD) | 8.00 |
| 100-YEAR 3-DAY FLOOD ELEVATION |  |  |

Note:
All undeveloped areas are required to have a minimu. son
and to comply with all SFWMD and SBDD Criteria.
S.F.W.M.D. PERMIT CONDITIO ma. ement area
PERM



Calvin, Giordano \& Associates, Inc.

## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-1 EXISTING FACILITIES MAP

## Legend

$\sim \sim$ SFWMD Canal

- Culverts 2012SBDD Pump Station

3 Water Bodies


TABLE II-A-2

| BASIN S-1 EXISTING CULVERTSCMFDUTE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| 1-1 | University Dr. / Pancake House | University Dr. \& NW 23rd St. | 48 | RCP | CIRC. | 55 |  |
| 1-2.1 | University Dr. \& Pasadena Blvd. | University Dr. \& Pasadena Blvd. | 36 | RCP | CIRC. | 52 |  |
| 1-2.2 | University Dr. \& Pasadena Blvd. | University Dr. \& Pasadena Blvd. | 36 | RCP | CIRC. | 52 |  |
| 1-3 | Walnut Creek | University Dr. \& 1 Block (N) of Taft Street | 60 | RCP | CIRC. | 106 |  |
| 1-4.1 | University Dr. \& Taft St. | University Dr. \& Taft St. | $4{ }^{9}$ | CMP | CIRC. | 252 |  |
| 1-4.2 | University Dr. \& Taft St. | University Dr. \& Taft St. | J | CMP | CIRC. | 252 |  |
| 1-5.1 | University Dr. \& NW 13th St. | University Dr. \& NW 13th St. | , | CMP | CIRC. | 80 |  |
| 1-5.2 | University Dr. \& NW 13th St. | University Dr. \& NW 13th St. | 72 | CMP | CIRC. | 80 |  |
| 1-6 | University Dr. \& Johnson St. | University Dr. \& Johnson St. | $135 \times 96$ | CMP | ELLIP. | 243 |  |
| 1-7.1 | University Dr. / COPP Water Plant | University Dr. \& NW 8th St. | 72 | CMP | CIRC. | 49 |  |
| 1-7.2 | University Dr. / COPP Water Plant | University Dr. \& NW 8th St. | 72 | CMP | CIRC. | 49 |  |
| 1-8.1 | University Dr. / French Village | University Dr. \& French Dr. | $103 \times 83$ | CMP | ELLIP. | 69 |  |
| 1-8.2 | University Dr. / French Village | University Dr. \& French Dr. | 103 X 83 | CMP | ELLIP. | 69 |  |
| 1-9.1 | University Dr. \& NW 3rd St. | University Dr. \& NW 3rd St. | 84 | RCP | CIRC. | 69 |  |
| 1-9.2 | University Dr. \& NW 3rd St. | University Dr. \& NW 3rd St. | 84 | RCP | CIRC. | 69 |  |
| 1-10.1 | University Dr. / Fifth Third Bank | University Dr. \& NW 1st ${ }^{\text {c }}$ | 84 | CMP | CIRC. | 72 |  |
| 1-10.2 | University Dr. / Fifth Third Bank | University Dr. \& NW 1s. | 84 | CMP | CIRC. | 72 |  |
| 1-11.1 | University Dr. \& Pines Blvd. | University Dr. \& Pines Blvd. | 96 | RCP/CMP | CIRC. | 297 |  |
| 1-11.2 | University Dr. \& Pines Blvd. | University Dr rınes †. | 96 | RCP/CMP | CIRC. | 297 |  |
| 1-12 | University Dr. / Hooter's | Universi+ $\quad$ r. \& SW 1st St. | $184 \times 120$ | CMP | ELLIP. | 59 |  |
| 1-13 | University Dr. / Mosquito Control | University \& Washington . | 126 X 197 | CAP | ELLIP. | 71 |  |
| 1-14.1 | University Dr. \& Pembroke Rd. | University Dr. d mbrokr d. | 96 | RCP | CIRC. | 176 |  |
| 1-14.2 | University Dr. \& Pembroke Rd. | University Dr. \& Pe | 96 | RCP | CIRC. | 176 |  |
| 1-15.1 | University Dr. \& Miramar Pkwy. | University Dr. \& Miramar Pkwy. | 96 | RCP | CIRC. | 209 |  |
| 1-15.2 | University Dr. \& Miramar Pkwy. | University Dr. \& Miramar Pkwy. | 96 | RCP | CIRC. | 209 |  |
| 1-15.3 | University Dr. \& Miramar Pkwy. | University Dr. \& Miramar Pkwy. | 96 | RCP | CIRC. | 209 |  |
| 1-16.1 | University Dr. \& Riviera Blvd. | University Dr. \& Riviera Blvd. | 96 | RCP | CIRC. | 112 |  |
| 1-16.2 | University Dr. \& Riviera Blvd. | University Dr. \& Riviera Blvd. | 96 | RCP | CIRC. | 112 |  |
| 1-16.3 | University Dr. \& Riviera Blvd. | University Dr. \& Riviera Blvd. | 96 | RCP | CIRC. | 112 |  |
| 1-17.1 | S-1 Pump Station | 3900 Utopia Dr. | 42 | STEEL | CIRC. | 5 | 47.5K GPM, Pump \# 1 |
| 1-17.2 | S-1 Pump Station | 3900 Utopia Dr. | 42 | STEEL | CIRC. | 5 | 47.5K GPM, Pump \# 2 |
| 1-17.3 | S-1 Pump Station | 3900 Utopia Dr. | 42 | STEEL | CIRC. | 5 | 47.5K GPM, Pump \# 3 |

TABLE II-A-2
BASIN S-1 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1-17.4 | S-1 Pump Station | 3900 Utopia Dr. | 42 | STEEL | CIRC. | 5 | 47.5K GPM, Pump \# 4 |
| 1-18 | Pasadena Lakes West | NW 85th Way \& Taft St. | 60 | CMP | CIRC. | 80 |  |
| 1-19 | Pasadena Lakes East | NW 82nd Terr. \& Taft St. | 72 | CMP | CIRC. | 81 |  |
| 1-20 | Pasadena Plaza Shopping Ctr. (W) | 8130 Taft St. | 72 | CMP | CIRC. | 62 |  |
| 1-21 | Pasadena Plaza Shopping Ctr. (E) | 8100 Taft St. | 77 | CMP | CIRC. | 67 |  |
| 1-22.1 | B-1 Pump Station (Taft St.) | 8081 Taft St. | s0 | FIBERGLASS | CIRC. | 280 | 19K GPM |
| 1-22.2 | B-1 Pump Station (Taft St.) | 8081 Taft St. | 4. 48 | HDPE/RCP | CIRC. | 280 | Free Flow Tube |
| 1-23 | Sunswept | NW 85th Way \& NW 13th St. | 48 | CMP | CIRC. | 64 |  |
| 1-24.1 | B-2 Pump Station (Umberto's) | 1340 N. University Dr. | 30 | FIBERGLASS | CIRC. | 145 | 25K GPM |
| 1-24.2 | B-2 Pump Station (Umberto's) | 1340 N. University Dr. | 42 \& 48 | HDPE / RCP | CIRC. | 144 | Free Flow Tube |
| 1-25 | Sunswept | NW 76th Ave. \& NW 13th St. | 42 | HDPE | CIRC. | 56 |  |
| 1-26 | Sunswept | NW 77th Way \& NW 13th St. | 48 | CAP | CIRC. | 94 |  |
| 1-27.1 | Sunswept (Old B-3 Pump Station) | 1300 NW 79th Way | 48 | RCP | CIRC. | 94 |  |
| 1-27.2 | Sunswept (Old B-3 Pump Station) | 1300 NW 79th Way | 48 | RCP | CIRC. | 94 |  |
| 1-28 | Lakeside | NW 87th Ave. \& NW 3rd St. | 48 | CMP | CIRC. | 63 |  |
| 1-29 | Lakeside | NW 86th Ave. \& NW 3rd ${ }^{\text {r }}$ | 48 | CMP | CIRC. | 77 |  |
| 1-30 | Lakeside | NW 83rd Way \& NW 5ı | 48 | CMP | CIRC. | 75 |  |
| 1-31 | St. Boniface | NW 83rd Ave. \& Johnson St. | 72 | RCP | CIRC. | 97 |  |
| 1-32 | Tuscany | (S) of Miram sıvd. \& of $\mathrm{U}_{1}$ rsity Dr. | 48 | RCP | CIRC. | 1305 |  |
| 1-33 | St. Boniface - Outfall | Universi+ Jr. \& (S) of Johı. 7 St. | 72 | RCP | CIRC. | 455 |  |
| 1-35 | Hospital Ditch - Outfall | University \& ¢ SW 6th St. | 54 | RCP | CIRC. | 130 |  |
| 1-36.1 | University Park | (W) of Sherman \& Be d Blvd. | 60 | CMP | CIRC. | 67 |  |
| 1-36.2 | University Park | (W) of Sherman Cir. ernard Blvd. | 60 | CMP | CIRC. | 67 |  |
| 1-37.1 | University Park | Sherman Cir. \& Bernard Blvd. | 54 | CMP | CIRC. | 117 |  |
| 1-37.2 | University Park | Sherman Cir. \& Bernard Blvd. | 54 | CMP | CIRC. | 117 |  |
| 1-38 | University Park | University Dr. \& Miramar Blvd. | 54 | RCP | CIRC. | 1171 | Flood Gate |
| 1-39 | Knolls | Canal Rd. \& Miramar Pkwy. | $48 \times 72$ | CMP | ELLIP. | 109 |  |
| 1-40 | Knolls | Newport Rd. \& Long Acre Dr. | $48 \times 72$ | CMP | ELLIP. | 71 |  |
| 1-41 | Tuscany | 8264 SW 27 St. | 48 | RCP | CIRC. | 283 |  |
| 1-42 | Knolls - Outfall | 3372 S. University Dr. | 72 | RCP | CIRC. | 142 |  |
| 1-43 | Murano | (S) of Miramar Blvd. \& (W) of University Dr. | 48 | RCP | CIRC. | 589 |  |
| 1-45 | Windmill Lakes | SW 88th Ave. \& SW 6th St. - 1st Crossing (E) of Entry | 21 | CMP | CIRC. | 106 |  |

TABLE II-A-2

| BASIN S-1 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Sire | Material | Shape | Length | General Comments |
| ${ }^{1-46}$ | Windmill Lakes | SW 86th Ave. \& SW 6th St. - 2nd Crossing From Entry | 30 | CMP | CIRC. | 80 |  |
| ${ }^{1-47}$ | Heron Pond | 8340 S.W. 3rd Court - Between Building 16 \& 17 | 36 | CMP | CIRC. | ${ }^{83}$ |  |
| $1-48$ | Heron Pond/Gathouse | 401 S.W. 85th Ave. - Between Buildings 14 \& 15 | 36 | CMP | CIRC. | 453 |  |
| $1-49$ | Gatehouse | (W) of 203 S.W. 85 Sh Terace | 36 | СмP | CIRC. | 215 |  |
| ${ }^{1-50}$ | Gatehouse | (N) of 301 S.W. 855h Terace | ${ }^{3}$ | CMP | CIRC. | 383 |  |
| ${ }^{1-51}$ | Gatehouse / Windmill Lakes - Outall | Behind 8534 S.W. 5th Street | 4 | CAP | CIRC. | 31 |  |
| ${ }^{1-52}$ | University Marketplace - Outfall | (W) of 350 S . University Dr. (Behind Handy Storage) | ? | CAP | CIRC. | 585 |  |
| ${ }^{1-53}$ | North Pery Airport - Outall | Univesity Dr. \& SW 3rd St. | 36 | RCP | CIRC. | ${ }^{68}$ |  |
| ${ }^{1.54}$ | Honeywoods | SW 87h Ave. \& SW 10h St. | 36 | RCP | CIRC. | 334 |  |
| ${ }^{1-55}$ | Honeywoods - North Lake | 900 SW 86th Ave. | 36 | RCP | CIRC. | 253 |  |
| ${ }^{1-56}$ | Honeywoods | 8672 SW 154 St. | 36 | RCP | CIRC. | 279 |  |
| ${ }^{1-57}$ | Cimamon Ridge | 1241 SW 87h Way | 24 | RCP | CIRC. | 351 |  |
| ${ }^{1.58}$ | Cimamon Place Park | NW Corner of Pembroke Rd. \& Poinciana L | 36 | CMP | CIRC. | 553 |  |
| ${ }^{1-59}$ | University Markeplace | 8398 Pines Bollevard | 48 | CMP | CIRC. | 657 |  |
| 1.60 | Driver's License - Oufall | Univesity D. \& Pembroke Rd | $48 \& 36$ | RCP | CIRC. | 2279 |  |
| 1.61 | Polishing Ponds | Douglas Rd. \& Sheridan $\mathrm{S}^{+}$ | 36 | CMP | CIRC. | 613 |  |
| ${ }^{1-62}$ | Polishing Ponds Ouffall to CBWCD | University Dr. \& Sherida | 24 | RCP | CIRC. | 645 | Control Stucture |
| ${ }^{1-63}$ | DGN Towers / Douglas Gardens | 705 Sw 88it Avenue | 30 | RCP/CAP | CIRC. | 722 | Control Stucture |
| 1.64 | Pines Health Park | (NE) of 1627 anciana ve | 48 | RCP | CIRC. | 177 |  |
| ${ }^{1-65}$ | Calabria / Sienna | SW 81 T \% Q (N) of SW 2. | 48 | RCP | CIRC. | 497 |  |
| 1.66 | Calabria | SW 81st AL $\chi_{\text {\& (S) of Mi }}$ | 48 | RCP | CIRC. | 209 |  |
| ${ }^{1-67}$ | Pines Healt Park - South Pipe | (S) of 1627 Poii ${ }^{\text {ra }}$ Driv | 48 | RCP | CIRC. | 56 |  |
| ${ }^{1-68}$ | URI Commercial | Pembroke Rd. \& Do. | $15 \& 18 \& 24$ | RCP | CIRC. | 536 | Control Stucture |



SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-1 FLOOD GATE MAP

## Legend

- Flood Gate
$\sim \sim$ SFWMD Canal
- SBDD Pump Station
$\sum$ Water Bodies


BASIN S-1 FLOOD GATE SCHEDULE


Calvin, Giordano \& Asscialess, lre:
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-1 CONTROL STRUCTURE MAP


## Legend

$\triangle$ Control Structures
$\sim \sim$ SFWMD Canal
$\square$ SBDD Pump Station
5 Water Bodies

$0 \quad 1,000 \quad 2,000 \quad 4,000$


Feet



SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-1 STAFF GAUGE MAP ©

## Legend

$\diamond$ Staff Gauge
$\sim$ SFWMD Canal
$\square$
SBDD Pump Station
5 Water Bodies
 Feet

BASIN S-1 STAFF GAUGE SCHEDULE
Description

| 6 | B-1 Pump Station | 8081 Taft St. |
| :---: | :---: | :---: |
| 7 | Pasadena Lakes / University Dr. Canal | University Dr. \& Pasadena Blvd. $\quad$ Water Level Recorder |
| 8 | B-2 Pump Station | 1340 N. University Dr. |
| 9 | Old B-3 Pump Station | 1300 NW 79th Way |
| 11 | University Park Canal | Sherman Cir. \& Bernard Blvd. |
| 12 | S-1 Pump Station | 3900 Utopia Dr. $\quad$ Water Level Recorder |
| 13 | Knolls \# 3 | Miramar Pkwy. \& Canal Rd. |
| 14 | Honeywoods | 8672 SW 15th St. |
|  |  |  |



## BASIN S-1

# BASIN MAXIMUM STAGE R ${ }^{\boldsymbol{V}}$.PORT 

10-YEAR, 3-DA ${ }^{*}$ STORM<br>25-YEAR, 3-DAY © ORM<br>100-YEAR, ↔^Y S. ORM

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 MAX STAGE REPORT
******
$t * * * * * * *$

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max Delta Stage ft | $\begin{array}{r} \text { Max } \begin{aligned} \text { Surf } \\ \text { Area } \\ \text { ft2 } \end{aligned} \end{array}$ | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1A01 | BASE | 100y_3d | 113.05 | 5.953 | 8.000 | 0.0050 | 28888 | 0.00 | 0.000 | 62.74 | 112.274 |
| 1A01 | BASE | $10 y_{-} 3 \mathrm{~d}$ | 84.62 | 4.748 | 8.000 | 0.0050 | 27977 | 0.00 | 0.000 | 61.87 | 112.274 54.210 |
| 1A01 | BASE | 25y_3d | 79.72 | 5.477 | 8.000 | 0.0050 | 28588 | 0.00 | 0.000 | 63.47 | 59.661 |
| 1 A02 | BASE | $100 y \_3 d$ | 120.00 | 5.953 | 8.000 | 0.0007 | 2080294 | 60.50 | 355.982 | 61.34 |  |
| 1A02 | BASE | $10 y^{-3 d}$ | 97.45 | 4.748 | 8.000 | 0.0003 | 1495658 | 60.50 | 197.184 | 61.79 | 33.067 |
| 1A02 | BASE | 25 y -3d | 105.84 | 5.477 | 8.000 | 0.0005 | 1788632 | 60.50 | 287.064 | 62.86 | 51.157 |
| 1 A03 | BASE | 100y 3d | 77.75 | 5.953 | 8.000 | -0.0022 | 95 | 61.34 | 176.207 | 62.77 | 82.270 |
| 1A03 | BASE | 10y_3d | 84.62 | 4.748 | 8.000 | -0.0022 | - 17 | $\bigcirc 1.87$ | 86.520 | 61.85 | 39.820 |
| 1A03 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 79.71 | 5.477 | 8.000 | -0.0022 | 94395 | 47 | 138.595 | 63.42 | 65.104 |
| 1A04 | BASE | 100y_3d | 113.05 | 5.953 | 8.000 | 0.0015 | 52141 |  |  | 62.26 | 12.109 |
| 1A04 | BASE | 10 y -3d | 97.25 | 4.748 | 8.000 | $0.00{ }^{-}$ | 49663 | 61.85 | 39.820 | 119.99 | 13.013 |
| 1A04 | BASE | 25 y -3d | 103.71 | 5.477 | 8.000 | 0.83 | $5^{\prime} .2$ | 63.42 | 65.104 | 119.99 | 13.051 |
| 1A05 | BASE | $100 y$ _3d | 104.64 | 5.953 | 8.000 | 0.001 | -1225 | 62.26 | 12.109 | 62.69 | 60.440 |
| 1A05 | BASE | 10y-3d | 86.88 | 4.748 | 8.000 | -0.0008 | 39313 | 119.99 | 13.013 | 61.79 | 29.197 |
| 1A05 | BASE | $25 \mathrm{y}=3 \mathrm{~d}$ | 84.65 | 5.477 | 8.000 | 0.0009 | 10639 | 1.91 .90 | +9.051 | 61.79 63.37 | 29.931 |
| 1A06 | BASE | 100y_3d | 104.64 | 5.953 | 8.00 |  | 205 0 |  | 349.244 | 62.69 |  |
| 1A06 | BASE | $10 y^{-3 d}$ | 97.25 | 4.748 | 8.000 | $0 . u$ | 1471999 | 60.50 | 195.313 | 62.69 61.79 | 28.652 |
| 1A06 | BASE | 25 y -3d | 103.78 | 5.477 | 8.000 | $0 . r$, 5 | +4220 | 60.50 | 282.564 | 63.11 | 28.652 43.166 |
| 1 1007 | BASE | 100y_3d | 104.64 | $5.95{ }^{\circ}$ | 2.000 | . 0012 | 83094 | 62.69 | 114.942 | 62.71 | 63.512 |
| 1A07 | BASE | 10y-3d | 84.93 | 4.7 | 000 | . 0010 | 79198 | 61.79 | 57.848 | 61.53 | 29.611 |
| 1A07 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 84.70 | $5 \quad 17$ | 000 | 0010 | 82138 | 63.37 | 89.923 | 63.34 | 49.780 |
| 1A08 | BASE | 100y_3d | 104.64 | 953 |  | 0.0021 | 27471 | 62.71 |  | 61.25 | 23.455 |
| 1A08 | BASE | 10y-3d | 86.80 | - 18 | 8.000 | 0.0019 | 26149 | 61.53 | 29.611 | 120.00 | 25.584 |
| 1A08 | BASE | 25 y -3d | 84.65 | 5. | 8.000 | -0.0019 | 27100 | 63.34 | 49.780 | 61.15 | 17.753 |
| 1A10 | BASE | 100y_3d |  | . 953 | 8.000 | 0.0016 | 9606 | 61.25 | 23.455 | 61.44 | 22.308 |
| 1A10 | BASE | 10y_3d | $\bigcirc .71$ | 748 | 9.000 | 0.0013 | 9605 | 120.00 | 25.584 | 120.00 | 25.668 |
| 1A10 | BASE | $25 y-3 d$ | 84.65 | 5. 7 | 3.000 | 0.0013 | 9606 | 61.15 | 17.753 | 120.24 | 2.688 16.546 |
| 1A12 | BASE | 100y_3d | ᄀ. 77 | 5.5 | 8.000 | 0.0015 | 9604 | 61.44 | 22.308 |  |  |
| 1A12 | BASE | $10 \mathrm{y}-3 \mathrm{~d}$ | ${ }^{\text {c }} 71$ | 4.93 | 8.000 | -0.0008 | 9602 | 120.00 | 25.668 | 119.95 | 25.767 |
| 1A12 | BASE | $25 y_{-}$- ${ }^{\text {d }}$ | 84. | $5 \quad 17$ | 8.000 | 0.0009 | 9604 | 61.24 | 16.546 | 1.34 | 15.568 |
| 1A14 | BASE | 100y_3d | 78.53 | 0.953 | 8.000 | 0.0007 | 663254 | 60.17 | 73.211 | 2.58 |  |
| 1A14 | BASE | 10 y -3d | 86.71 | 4.748 | 8.000 | 0.0003 | 379042 | 60.51 | 37.785 | 118.79 | 45.682 |
| 1A14 | BASE | 25y_3d | 84.65 | 5.477 | 8.000 | 0.0005 | 515559 | 60.02 | 56.155 | 118.13 | 45.329 |
| $1 \mathrm{B14}$ | BASE | 100y_3d | 75.94 | 6.661 | 8.000 | 0.0009 | 41563 |  |  |  |  |
| 1B14 | BASE | $10 y^{-3 d}$ | 69.55 | 5.594 | 8.000 | 0.0008 | 41563 | 0.00 | 0.000 | 64.25 | 5.704 |
| 1B14 | BASE | $25 y-3 d$ | 75.45 | 6.355 | 8.000 | 0.0011 | 41563 | 69.47 | 52.578 | 69.48 | 51.661 |
| 1815 | BASE | 100y_3d | 75.94 | 6.660 | 8.000 | 0.0009 | 3272250 | 62.08 | 211.760 | 60.30 | 49.653 |
| 1815 | BASE | 10y_3d | 69.55 | 5.594 | 8.000 | 0.0008 | 2106600 | 62.17 | 121.503 | 61.34 | 60.644 |
| 1B15 | BASE | 25 y _3d | 75.44 | 6.355 | 8.000 | 0.0011 | 2938401 | 62.07 | 177.094 | 60.69 | 52.643 |
| $1 \mathrm{B16}$ | BASE | 100y_3d | 76.01 | 6.596 | 8.000 | 0.0008 | 33225 | 60.30 | 49.653 | 60.39 | 41.809 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 MAX STAGE REPORT
TABLE II-A-6

| Name | Group | Simulation | Max Time Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Warning Stage ft |  | Delta <br> Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time <br> Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { Cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 \mathrm{B16}$ | BASE | 10y_3d | 72.01 | 5.538 | 8.000 |  | 0.0006 | 31540 | 61.34 | 60.644 | 61.36 |  |
| $1 \mathrm{B16}$ | BASE | $25 y-3 d$ | 75.23 | 6.295 | 8.000 |  | 0.0009 | 32746 | 60.69 | 52.643 | 61.36 60.75 | 54.396 44.348 |
| 1817 | BASE | $100 y$ _3d | 76.02 | 6.593 | 8.000 |  | 0.0008 | 33860 | 60.39 | 41.809 | 60.43 | 34.688 |
| $1 \mathrm{B17}$ | BASE | 10y_3d | 72.33 | 5.533 | 8.000 |  | 0.0006 | 32174 | 61.36 | 54.396 | 60.43 61.42 | 34.688 48.473 |
| 1B17 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 75.21 | 6.292 | 8.000 |  | 0.0009 | 33381 | 60.75 | 44.348 | 61.42 60.82 | 48.426 36.826 |
| $1 \mathrm{B18}$ | BASE | 100 y _3d | 76.06 | 6.527 | 8.000 |  | 0.0008 | 55. | 60.43 | 34.688 |  |  |
| $1 \mathrm{B18}$ | BASE | 10 y _3d | 73.21 | 5.493 | 8.000 |  | 0.0005 | $5{ }^{5}$, 8 | 61.42 | 34.688 48.473 | 76.05 63.62 | 32.495 42.964 |
| $1 \mathrm{B18}$ | BASE | 25y-3d | 74.86 | 6.231 | 8.000 |  | 0.0008 | - 221 | $\bigcirc$ | 36.826 | 70.09 | 35.055 |
| 1819 | BASE | $100 y+3 \mathrm{~d}$ | 76.06 | 6.526 | 8.000 |  | 0.0008 | ,360737 | 6.1 | 283.987 | 59.51 | 49.861 |
| $1 \mathrm{B19}$ | BASE | 10 y -3d | 73.21 | 5.492 | 8.000 |  | $0.000^{\circ}$ | 2262001 | 61. | 184.402 | 61.82 | 92.829 |
| 1B19 | BASE | 25 y -3d | 74.86 | 6.230 | 8.000 |  | 0.00 | $3046 \times 76$ | 61.08 | 239.171 | 61.82 61.42 | 92.829 58.909 |
| 1820 | BASE | 100y_3d | 75.95 | 6.661 | 8.000 |  | 0.0 | $5^{-}, 584$ | 62.75 | 174.931 |  |  |
| 1820 | BASE | 10 y -3d | 91.83 | 6.195 | 8.000 |  | 0.000 | 10183 | 62.83 | 95.677 | 0.00 | 21.513 0.000 |
| 1820 | BASE | $25 y-3 \mathrm{~d}$ | 75.47 | 6.357 | 8.000 |  | 0.0007 | 777450 | 62.75 | 140.503 | 69.47 | 52.578 |
| 1D16 | BASE | 100y_3d | 75.04 | 6.527 | 8.01 |  | - 0005 | 617 | 60.17 | 28.416 | 60.04 | 13.352 |
| $1 \mathrm{D16}$ | BASE | 10y-3d | 72.72 | 5.446 | 8.00 |  |  | 41.7 | 60.17 | 18.159 | 5.98 | 12.802 |
| 1D16 | BASE | 25 y -3d | 70.04 | 6.246 | 8.000 |  | 0.0 | 692984 | 60.17 | 24.005 | 50.08 60.02 | 11.227 |
| 1 117 | BASE | 100y_3d | 75.06 | 6.527 | 8.000 |  | J005 | 1582275 |  | 220.698 | 65.31 |  |
| $1 \mathrm{D17}$ | BASE | $10 \mathrm{y}=3 \mathrm{~d}$ | 72.72 | 5.44 | $\bigcirc$ |  | . 0003 | 837370 | 61.44 | 64.606 | 65.31 64.25 | 146.279 38.155 |
| 1 D17 | BASE | $25 y-3 d$ | 70.03 |  | 000 |  | . 0004 | 1389281 | 68.88 | 138.896 | 69.60 | 124.379 |
| 1D18 | BASE | $100 y$ _3d | 75.08 | . 526 | . 000 |  | ( $) 011$ | 52827 | 65.31 | 146.279 | 65.33 | 144.465 |
| 1D18 | BASE | 10 y -3d | 72.72 | 446 |  |  | n. 0006 | 50924 | 64.25 | 38.155 | 67.14 | 13.035 |
| 1 D18 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 70.05 | 13 | 8.000 |  | 0.0007 | 52682 | 69.60 | 124.379 | 69.62 | 124.233 |
| 1D19 | BASE | $100 y$ _3d | 75 | 6.52. | 8.000 |  | 0.0008 | 5316627 | 62.17 | 210.490 |  |  |
| 1D19 | BASE | 10 y -3d | ¢ 03 | 232 | 8.000 |  | 0.0008 | 4387839 | 62.17 | 117.115 | 65.02 0.00 | 95.592 0.000 |
| 1 D19 | BASE | $25 y-3 d$ | 3.22 | '16 | 3.000 |  | 0.0007 | 4648741 | 62.17 | 170.061 | 68.26 | 56.418 |
| 1D20 | BASE | 100y_3d | 75.03 | 6.13 | 8.000 |  | 0.0008 | 5314572 | 64.97 | 217.177 | 64.94 | 191.894 |
| 1D20 | BASE | 10 y -3d | $\bigcirc .83$ | 6.2 : | 8.000 |  | 0.0008 | 4387839 | 62.17 | 117.115 | 64.94 0.00 | 10.000 |
| 1D20 | BASE | 25y_3d | $\checkmark$ '0 | 6.9 | 8.000 |  | 0.0007 | 4627529 | 62.17 | 170.061 | 68.20 | 112.919 |
| 1E01 | BASE | 100y_3d | 73.2 | . 162 | 8.000 |  | 0.0007 | 3325863 |  |  | 60.88 |  |
| 1 E 01 | BASE | 10 y _3d | 72.36 | 5.038 | 8.000 |  | 0.0003 | 2432880 | 60.50 | 380.925 | 60.72 | 85.660 55.250 |
| 1E01 | BASE | 25 y -3d | 72.91 | 5.727 | 8.000 |  | 0.0006 | 2951315 | 60.50 | 513.217 | 60.85 | 72.268 |
| 1 E 02 | BASE | 100y_3d | 73.29 | 6.159 | 8.000 |  | 0.0006 | 29398 | 60.88 | 83.660 |  |  |
| 1 E 02 | BASE | 10y_3d | 72.40 | 5.033 | 8.000 |  | 0.0003 | 28597 | 60.72 | 55.250 | 60.74 | 51.348 |
| 1E02 | BASE | 25y_3d | 72.99 | 5.724 | 8.000 |  | 0.0005 | 29398 | 60.85 | 72.268 | 60.88 | 67.555 |
| 1E03 | BASE | $100 y+3 d$ | 73.29 | 6.159 | 8.000 |  | 0.0006 | 743486 | 60.64 | 125.341 |  |  |
| 1E03 | BASE | 10 y _3d | 72.40 | 5.033 | 8.000 |  | 0.0003 | 420793 | 60.58 | 82.109 | 60.53 | 43.525 |
| 1E03 | BASE | $25 y_{-}$-3d | 72.99 | 5.723 | 8.000 |  | 0.0005 | 605428 | 60.66 | 106.987 | 60.57 | 48.579 |
| 1E04 | BASE | 100y_3d | 73.28 | 6.154 | 8.000 |  | 0.0006 | 815676 | 61.00 | 144.425 | 61.59 | 32.005 |
| 1E04 | BASE | 10 y -3d | 72.41 | 5.021 | 8.000 |  | 0.0004 | 634406 | 60.92 | 91.518 | 105.43 | 31.844 |

SOUTH BROWARD DRAINAGE DISTRIC
BASIN S-1 MAX STAGE REPORT
TABLE II-A-6

| Name | Group | Simulation | Max Time Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Warning Stage ft |  | Delta <br> Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 E 04 | BASE | 25y_3d | 73.01 | 5.716 | 8.000 |  | 0.0006 | 745784 | 61.00 | 122.402 | 61.59 | 29.086 |
| 1E05 | BASE | 100y_3d | 73.28 | 6.153 | 8.000 |  | 0.0006 | 379630 | 61.00 | 62.650 | 102.62 | 28.929 |
| 1 E 05 | BASE | 10y-3d | 72.41 | 5.021 | 8.000 |  | 0.0004 | 216289 | 60.95 | 43.949 | 105.38 | 33.427 |
| 1 E 05 | BASE | 25y_3d | 73.01 | 5.716 | 8.000 |  | 0.0006 | 309560 | 50.95 | 54.843 | 120.00 | 29.432 |
| 1G01 | BASE | 100 y _3d | 81.70 | 5.608 | 8.000 |  | 0.0012 | 64847 | 0.00 | 0.000 | 62.74 | 44.025 |
| 1G01 | BASE | 10y 3 - | 73.01 | 4.689 | 8.000 |  | 0.0007 | $584{ }^{-}$ | 0.00 | 0.000 | 64.25 | 32.667 |
| 1G01 | BASE | 25 y _ 3 d | 78.00 | 5.259 | 8.000 |  | 0.0011 |  | 0.00 | 0.000 | 63.42 | 43.876 |
| $1 \mathrm{G03}$ | BASE | 100y_3d | 81.70 | 5.607 | 8.000 |  | 0.0009 | -10990 | n0 | 0.000 | 62.71 | 38.669 |
| 1G03 | BASE | $10 \mathrm{y}-3 \mathrm{~d}$ | 72.94 | 4.691 | 8.000 |  | 0.0004 | 108683 | ( | 0.000 | 61.87 | 24.561 |
| 1G03 | BASE | 25 y -3d | 78.02 | 5.259 | 8.000 |  | 0.0007 | 110333 | $0 . し$ | 0.000 | 63.34 | 35.282 |
| 1G04 | BASE | 100 y _3d | 81.70 | 5.607 | 8.000 |  | 0.69 | 98- 7 | 60.50 | 227.626 | 61.52 | 67.206 |
| 1G04 | BASE | 10y-3d | 72.94 | 4.691 | 8.000 |  | 0.00 | ¢. 472 | 60.50 | 120.831 | 61.19 | 47.215 |
| 1G04 | BASE | 25y ${ }^{\text {c }}$ 3d | 78.02 | 5.259 | 8.000 |  | 0.000 | 33247 | 60.50 | 181.104 | 61.37 | 59.721 |
| 1G06 | BASE | 100y_3d | 81.70 | 5.607 | 8.00 r |  | 0.0006 | 1074 | 60.58 | 226.006 | 62.69 | 130.577 |
| $1 \mathrm{G0} 6$ | BASE | 10 y -3d | 73.01 | 4.689 | 8.00 |  | $n 003$ | - 727 | 60.97 | 134.531 | 63.30 | 82.353 |
| 1 G06 | BASE | 25 y -3d | 78.00 | 5.259 | 8.001 |  |  | 115-7 | 60.84 | 189.710 | 63.47 | 122.667 |
| 1G07 | BASE | 100y_3d | 81.70 | 5.608 | 8.000 |  | $0.1<0$ | \$7730 | 62.69 | 130.577 | 60.92 | 51.658 |
| 1G07 | BASE | 10y_3d | 73.01 | 4.690 | 8.000 |  | - ,012 | 44317 | 63.30 | 82.353 | 60.88 | 31.363 |
| 1G07 | BASE | $25 y-3 d$ | 78.00 | 5.25 | . 000 |  | . 0021 | 46433 | 63.47 | 122.667 | 60.90 | 47.588 |
| 1G08 | BASE | 100y_3d | 81.31 | ᄃ 0.07 | 000 |  | 2004 | 85443 | 60.92 | 51.658 |  |  |
| 1G08 | BASE | 10y-3d | 72.95 | . 686 | . 000 |  | C. 003 | 78535 | 60.88 | 39.363 | 60.85 | $31.767$ |
| 1G08 | BASE | 25y_3d | 77.98 | '59 |  |  | n. 0004 | 82828 | 60.90 | 47.588 | 60.89 | $38.576$ |
| 1G09 | BASE | 100y_3d | 81.31 | 5.6 | 8.000 |  | 0.0004 | 2545866 | 61.17 | 212.263 | 61.40 | 81.024 |
| 1G09 | BASE | 10 y -3d | 72 | $4.68 t$ | 8.000 |  | 0.0003 | 1709206 | 61.17 | 124.921 | 61.79 | 52.660 |
| 1G09 | BASE | 25 y -3d | - 98 | 259 | 8.000 |  | 0.0004 | 2123971 | 61.15 | 175.593 | 63.39 | 71.271 |
| 1G10 | BASE | 100y_3d | 81.31 | 5. 7 | 8.000 |  | 0.0012 | 87967 | 61.40 | 81.024 | 62.71 | 56.281 |
| 1G10 | BASE | 10y-3d | 72.95 | 4.6 | 8.000 |  | 0.0007 | 84212 | 61.79 | 52.660 | 61.87 | 37.035 |
| $1 \mathrm{G10}$ | BASE | $25 y-3 d$ | 97 | 5.2 | 8.000 |  | 0.0010 | 86548 | 63.39 | 71.271 | 63.34 | 52.725 |
| 1 G11 | BASE | 100y_3d | 81. | - 08 | 8.000 |  | 0.0012 | 51743 | 62.71 | 56.281 | 104.22 | 29.399 |
| $1 \mathrm{G11}$ | BASE | 10y_3d | 72.94 | . 686 | 8.000 |  | 0.0007 | 49402 | 61.87 | 37.035 | 99.41 | 32.934 |
| $1 \mathrm{G11}$ | BASE | 25 y -3d | 77.97 | 5.259 | 8.000 |  | 0.0011 | 50858 | 63.34 | 52.725 | 98.21 | 29.953 |
| $1 \mathrm{G13}$ | BASE | $100 y$ _3d | 70.60 | 5.914 | 8.000 |  | 0.0009 | 9611 | 104.22 | 29.399 | 104.23 | 29.465 |
| $1 \mathrm{G13}$ | BASE | 10 y -3d | 68.46 | 4.722 | 8.000 |  | 0.0005 | 9919 | 99.41 | 32.934 | 99.41 | 33.056 |
| $1 \mathrm{G13}$ | BASE | 25y_3d | 69.18 | 5.459 | 8.000 |  | 0.0010 | 9761 | 98.21 | 29.953 | 98.20 | 30.030 |
|  | BASE | 100y_3d | 76.67 | 6.339 | 8.000 |  | 0.0008 | 2631643 | 60.50 | 413.275 | 61.88 | 20.813 |
| 2A15 | BASE | 10y_3d | 76.67 | 5.193 | 8.000 |  | 0.0004 | 1679781 | 60.50 | 229.660 | 99.61 | 15.856 |
| 2A15 | BASE | 25 y -3d | 76.67 | 5.917 | 8.000 |  | 0.0006 | 2272527 | 60.50 | 333.723 | 61.84 | 16.599 |
| 2A17 | BASE | 100y_3d | 76.67 | 6.339 | 8.000 |  | 0.0007 | 3003974 | 60.50 | 454.243 | 61.10 | 62.593 |
| 2A17 | BASE | 10y_3d | 76.67 | 5.193 | 8.000 |  | 0.0003 | 2003975 | 60.50 | 256.922 | 99.40 | 55.599 |
| 2A17 | BASE | 25y_3d | 76.67 | 5.917 | 8.000 |  | 0.0006 | 2626692 | 60.50 | 368.585 | 61.09 | 55.967 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 MAX STAGE REPORT
******Basin Max. Report******

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | $\begin{array}{r} \text { Warning } \\ \text { Stage } \\ \text { ft } \end{array}$ | Max Delta Stage ft | MaxSurff <br> Area <br> ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 Cl 6 | BASE | 100y_3d | 69.26 | 6.635 | 8.000 | -0.0030 | 996118 | 60.58 | 176.878 | 60.39 | 24.708 |
| 2 Cl 6 | BASE | $10 \mathrm{y}-3 \mathrm{~d}$ | 68.64 | 5.385 | 8.000 | -0.0032 | 549898 | 60.67 | 108.121 | 60.69 | 27.096 |
| 2 C 16 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 69.01 | 6.139 | 8.000 | -0.0032 | 819131 | 60.67 | 147.279 | 60.45 | 26.116 |
| $2 \mathrm{C17}$ | BASE | 100y_3d | 69.27 | 6.633 | 8.000 | 0.0010 | 383911 | 60.50 | 162.518 | 61.73 | 62.710 |
| 2 Cl 7 | BASE | 10y-3d | 68.67 | 5.383 | 8.000 | 0.0005 | 337243 | 60.58 | 112.017 | 61.90 | 45.990 |
| 2 C 17 | BASE | $25 y$ _ 3 d | 69.03 | 6.137 | 8.000 | 0.0008 | 36019 | 60.50 | 141.669 | 61.92 | 56.654 |
| $2 \mathrm{C18}$ | BASE | 100y_3d | 69.31 | 6.629 | 8.000 | 0.0010 | 12r 19 | 60.75 | 383.573 | 61.32 | 167.372 |
| 2 C 18 | BASE | 10 y -3d | 68.74 | 5.379 | 8.000 | 0.0005 | 819078 | . 75 | 231.195 | 61.55 | 110.082 |
| 2C18 | BASE | 25y_3d | 69.10 | 6.133 | 8.000 | 0.0008 | J89996 | - ${ }^{5}$ | 318.609 | 61.41 | 143.900 |
| 2C19 | BASE | 100y_3d | 69.55 | 6.615 | 8.000 | 0.00 r | 1026197 | 60.9. | 282.752 | 62.62 |  |
| 2 C 19 | BASE | 10y_3d | 69.00 | 5.365 | 8.000 | 0.0 o | 10172 | 61.03 | 172.929 | 61.57 | 65.655 |
| $2 \mathrm{C19}$ | BASE | $25 y^{-3 d}$ | 69.42 | 6.119 | 8.000 | 0.6 , | $10^{\prime}-70$ | 60.97 | 236.621 | 60.82 | 65.095 |
| 2C20 | BASE | 100y_3d | 69.73 | 6.601 | 8.000 | 0.0014 | 30281 | 62.62 | 65.794 | 63.26 | 63.224 |
| 2 C 20 | BASE | $10 y_{-} 3 \mathrm{~d}$ | 69.13 | 5.352 | 8.000 | 0.0013 | 2.7607 | 61.57 | 66.655 | 61.56 | 63.274 |
| 2C20 | BASE | 25 y -3d | 69.70 | 6.106 | 8.0 r | $\bigcirc .0017$ | $\checkmark 221$ | 60.82 | 65.095 | 60.82 | 59.444 |
| FVO1 | BASE | 100y_3d | 75.16 | 6.464 | 8.000 | 0.6 | 969,51 | 61.65 | 242.184 |  | 351.776 |
| EVO1 | BASE | 10 y -3d | 71.96 | 5.379 | 8.000 | 0.r o | 7795 | 63.22 | 126.240 | 64.41 | 273.272 |
| FVO1 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 75.03 | 6.109 | 8.000 | ○ 007 | 105804 | 62.53 | 206.957 | 64.18 | 328.744 |
| FV02 | BASE | 100y_3d | 75.23 | 6.4 | 000 | . 0007 | 3331693 |  | 325.348 |  |  |
| FV02 | BASE | 10 y -3d | 71.89 | 5 , 4 | 000 | . 0003 | 869259 | 62.81 | 162.872 | 61.99 | 113.557 |
| FV02 | BASE | $25 y_{-} 3 d$ | 75.11 | 110 | . 000 | 2005 | 2432691 | 62.25 | 261.473 | 63.42 62.59 | 185.783 |
| FV03 | BASE | 100y_3d | 75.25 | 56 | ช.u | J. 0007 | 4273977 | 61.00 | 279.821 | 62.43 | 114.044 |
| FV03 | BASE | 10 y -3d | 71.87 | 5. | 8.000 | 0.0003 | 1093337 | 61.92 | 137.169 | 63.72 | 66.606 |
| FV03 | BASE | 25 y -3d | 75.1 | 6.1 | 8.000 | 0.0005 | 3113166 | 61.42 | 215.217 | 62.77 | 104.505 |
| NPA | BASE | 100y_3d | . 94 |  | 9.000 | 0.0005 | 23973720 | 61.92 | 763.059 |  |  |
| NPA | BASE | 10y-3d | 18.33 | 6. 7 | 3.000 | 0.0003 | 14177631 | 63.50 | 365.773 | 109.82 | 60.661 |
| NPA | BASE | 25 y -3d | 81.17 | 6.. ? | 8.000 | 0.0004 | 20246292 | 62.42 | 580.957 | 120.00 | 56.601 |
| UB02 | BASE | 100y_3d | - 79 | 6.51 | 6.000 | 0.0005 | 1159137 | 60.08 | 40.006 | 120.00 | 4.614 |
| UB02 | BASE | 10 y -3d | 73 | 5.6 | 6.000 | 0.0002 | 423028 | 60.08 | 25.570 | 60.08 | 3.005 |
| UB02 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 79.6 | 193 | 6.000 | 0.0004 | 943507 | 60.08 | 33.799 | 94.26 | 5.631 |
| UB04 | BASE | 100y_3d | 83.24 | 6.503 | 8.000 | 0.0005 | 533869 | 60.08 | 43.874 |  |  |
| UB04 | BASE | 10y_3d | 73.68 | 5.446 | 8.000 | 0.0002 | 333109 | 60.08 | 29.927 | 60.04 | 5.966 |
| UB04 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 79.78 | 6.193 | 8.000 | 0.0004 | 475074 | 60.08 | 38.039 | 94.21 | 5.966 8.702 |
| UB06 | BASE | 100y_3d | 82.56 | 6.503 | 8.000 | 0.0005 | 543170 | 60.09 | 51.222 | 120.00 | 9.639 |
| UB06 | BASE | 10y_3d | 73.63 | 5.446 | 8.000 | 0.0002 | 342267 | 60.10 | 35.340 | 60.12 | 9.6394 |
| UB06 | BASE | $25 y=3 d$ | 78.91 | 6.196 | 8.000 | 0.0004 | 484714 | 60.08 | 44.637 | 94.17 | 11.826 |
| UB07 | BASE | 100y_3d | 81.51 | 6.505 | 8.000 | 0.0012 | 60710 | 120.00 | 9.639 |  |  |
| UB07 | BASE | 10y-3d | 73.60 | 5.446 | 8.000 | -0.0004 | 56182 | 60.12 | 9.844 | 108.29 | 21.441 |
| UB07 | BASE | 25y_3d | 77.94 | 6.200 | 8.000 | 0.0006 | 59759 | 94.17 | 11.826 | 60.12 | 27.930 |


| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time <br> Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| UB08 | BASE | 100y_3d | 81.50 | 6.505 | 8.000 | 0.0006 | 1049724 | 60.17 | 70.352 | 120.00 | 15.042 |
| UB08 | BASE | 10y_3d | 73.60 | 5.446 | 8.000 | 0.0005 | 639320 | 108.56 | 67.009 | 118.00 | 13.042 36.948 |
| UB08 | BASE | $25 y_{-}$-3d | 77.93 | 6.200 | 8.000 | 0.0005 | 933219 | 118.35 | 64.376 | 120.00 | 26.049 |
| UB09 | BASE | 100y_3d | 76.08 | 6.521 | 8.000 | 0.0007 | 60042 | 20.00 |  |  |  |
| UB09 | BASE | 10y_3d | 73.55 | 5.446 | 8.000 | -0.0007 | 60042 | 118.00 | 36.948 | 117.74 | 23.512 38.503 |
| UB09 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 74.78 | 6.223 | 8.000 | -0.0007 | 60047 | 120.00 | 26.049 | 120.00 | 28.144 |
| UB11 | BASE | 100y_3d | 76.07 | 6.522 | 8.000 | 0.0007 | $72^{\prime} .2$ | 109.65 | 115.396 | 120.00 |  |
| UB1I | BASE | 10 y -3d | 73.55 | 5.446 | 8.000 | 0.0003 | 4. 104 | ${ }^{1} 5.06$ | 103.260 | 110.37 | 83.459 |
| UB11 | BASE | 25y_3d | 74.77 | 6.224 | 8.000 | 0.0006 | 545691 | + 00 | 113.735 | 120.00 | 86.820 |
| UB12 | BASE | 100 y _3d | 75.62 | 6.521 | 8.000 | 0.001 r | 43479 | 120. | 83.469 | 120.00 | 83.729 |
| UB12 | BASE | 10 y -3d | 72.99 | 5.436 | 8.000 | 0.00 | 42797 | 110.37 | 71.758 | 110.35 | 72.100 |
| UB12 | BASE | $25 y_{-}$- ${ }^{\text {d }}$ | 74.49 | 6.223 | 8.000 | 0.9 | $4{ }^{4}$ | 120.00 | 86.820 | 120.00 | 87.092 |
| UB13 | BASE | 100 y _3d | 75.66 | 6.520 | 8.000 | 0.000 | 09321 |  |  |  |  |
| UB13 | BASE | 10y-3d | 72.97 | 5.435 | 8.000 | 0.0009 | 230623 | 61.08 | 101.724 | 110.16 | 85.592 73.433 |
| UB13 | BASE | $25 y^{-3 d}$ | 74.54 | 6.223 | 8.00 r | 0.0009 | ${ }^{1} 1251$ | 61.23 | 128.978 | 120.00 | 88.499 |
| UD02 | BASE | $100 y \_3 d$ | 75.29 | 6.519 | 8.00 |  | 26. 9 | 60.20 | 109.266 | 120.00 |  |
| UD02 | BASE | $10 \mathrm{y}-3 \mathrm{~d}$ | 72.46 | 5.421 | 8.000 | 0.01 | 204808 | 60.25 | 81.392 | 108.84 | 88.304 |
| UD02 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 74.25 | 6.222 | 8.000 | 0.1 v6 | +5423 | 120.00 | 96.461 | 120.00 | 87.860 |
| UD04 | BASE | 100y_3d | 75.25 | $6.40{ }^{\circ}$ | `. 000 | . 0008 | 259085 |  |  |  |  |
| UD04 UD04 | BASE | $10 \mathrm{y}-3 \mathrm{~d}$ | 72.29 | 5.' ${ }^{\circ}$ | 000 | . 0004 | 203702 | 108.84 | 82.304 | 116.17 | 98.896 91.061 |
| UD04 | BASE | $25 \mathrm{y}_{-} 3 \mathrm{~d}$ | 74.58 | \%. 69 | 000 | 0005 | 242623 | 120.00 | 97.860 | 120.00 | 98.538 |
| UD06 | BASE | $100 y \_3 d$ | 75.14 | 466 |  | 0.0050 | 12747 | 62.01 | 360.149 | 61.15 | 222.596 |
| UD06 | BASE | 10 y 3 d | 71.97 | $\bigcirc{ }^{6} 0$ | 8.000 | 0.0050 | 12415 | 64.41 | 296.598 | 61.11 | 124.023 |
| UD06 | BASE | $25 y-3 d$ | 75.01 |  | 8.000 | 0.0050 | 12638 | 61.20 | 318.583 | 61.30 | 184.904 |
| UD09 | BASE | 100y_3d | 14 | 443 | 8.000 | 0.0007 | 513047 | 60.88 |  |  |  |
| UD09 UTO9 | BASE | 10y-3d | 1.88 | - 55 | 3.000 | 0.0003 | 402738 | 60.91 | 138.220 | 106.31 | 186.989 104.755 |
| UD09 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 74.70 | 6. 8 | 8.000 | 0.0004 | 476050 | 61.04 | 201.393 | 61.09 | 152.824 |
| UD11 | BASE | 100y_3d | . 35 | 6.4 | 8.000 | 0.0006 | 255644 | 60.78 | 208.939 | 60.79 |  |
| UD11 | BASE | 10 y -3d | 7 ${ }^{-8}$ | 5.3 | 8.000 | 0.0003 | 200323 | 60.74 | 115.150 | 106.20 | 106.434 |
| UD11 | BASE | $25 y_{-}^{-3 d}$ | 74. | F 49 | 8.000 | 0.0004 | 236656 | 60.75 | 169.899 | 10.91 | 145.612 |
| UD13 | BASE | 100y_3d | 73.99 | 6.404 | 8.000 | 0.0005 | 763680 |  |  |  |  |
| UD13 | BASE | 10y-3d | 71.24 | 5.308 | 8.000 | 0.0003 | 597112 | 60.25 | 121.875 | 119.44 93.10 | 110.842 |
| UD13 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 73.99 | 6.019 | 8.000 | 0.0004 | 705149 | 60.26 | 178.448 | 96.01 | 133.902 |
| UD14 | BASE | 100y_3d | 73.77 | 6.393 | 8.000 | 0.0005 | 33725 | 119.44 | 194.461 | 119.44 | 183.114 |
| UD14 | BASE | 10y 3 d | 71.16 | 5.303 | 8.000 | 0.0006 | 31957 | 106.10 | 170.713 | 106.08 | 171.017 |
| UD14 | BA.SE | $25 \mathrm{y}_{-} 3 \mathrm{~d}$ | 73.79 | 6.006 | 8.000 | 0.0006 | 33085 | 120.00 | 181.817 | 120.00 | 182.080 |
| UD15 | BASE | 100y_3d | 73.35 | 6.333 | 8.000 | 0.0005 | 68883 |  | 224.102 |  |  |
| UD15 | BASE | 10 y -3d | 70.52 | 5.211 | 8.000 | 0.0003 | 67155 | 93.46 | 200.741 | 93.48 | 197.102 |
| UD15 | BASE | $25 y_{-} 3 \mathrm{~d}$ | 73.35 | 5.926 | 8.000 | 0.0005 | 68260 | 120.00 | 202.728 | 120.00 | 203.324 |
| UD21 | BASE | 100y_3d | 73.34 | 6.330 | 8.000 | 0.0005 | 70465 | 60.44 | 213.276 | 119.45 | 202.439 |

SOUTH BROWARD DRAINAGE DISTRICT BASIN S-1 MAX STAGE REPORT
TABLE II-A-6


| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | Max Delta Stage ft |  | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| UD21 | BASE | 10y_3d | 70.48 | 5.205 | 8.000 | -0.0006 | 68810 | 93.48 | 197.102 | 93.48 | 197.232 |
| UD21 | BASE | $25 y^{\prime}$-3d | 73.33 | 5.921 | 8.000 | -0.0006 | 69864 | 120.00 | 203.324 | 120.00 | 203.939 |
| UF01 | BASE | 100 y _3d | 73.32 | 6.326 | 8.000 | 0.0005 | 2041278 | 61.58 | 280.697 | 120.00 | 209.068 |
| UF01 | BASE | 10y_3d | 70.43 | 5.197 | 8.000 | 0.0008 | 1060558 | 93.48 | 197.232 | 94.05 | 200.742 |
| UF01 | BASE | 25y_3d | 73.31 | 5.915 | 8.000 | 0.0008 | 1677449 | 61.67 | 240.208 | 120.00 | 210.827 |
| UF02 | BASE | $100 y$ _3d | 72.42 | 6.201 | 8.000 | 0.0005 | 538. | 120.00 | 209.068 | 120.00 | 209.430 |
| UF02 | BASE | 10y_3d | 69.49 | 5.054 | 8.000 | 0.0003 | 57 | 94.05 | 200.742 | 94.07 | 201.196 |
| UF02 | BASE | $25 y-3 d$ | 72.24 | 5.768 | 8.000 | 0.0005 | - 003 | $\bigcirc .00$ | 210.827 | 120.00 | 211.219 |
| UF03 | BASE | $100 y$ _3d | 72.24 | 6.180 | 8.000 | 0.0006 | ,284775 | 6. ? | 472.091 | 120.00 | 225.321 |
| UF03 | BASE | 10 y -3d | 69.25 | 5.006 | 8.000 | 0.000 ? | 2139810 | 61. | 324.789 | 94.27 | 218.361 |
| UF03 | BASE | 25 y _ 3 d | 71.46 | 5.737 | 8.000 | 0.00 | 2802802 | 61.50 | 408.563 | 120.00 | 226.734 |
| UF04 | BASE | 100y_3d | 72.12 | 6.054 | 8.000 | 0.02 | 1- 378 | 60.08 | 295.087 | 60.04 | 230.870 |
| UF04 | BASE | 10y-3d | 69.05 | 4.901 | 8.000 | 0.000 | 18862 | 94.27 | 218.361 | 94.27 | 223.120 |
| UF04 | BASE | 25y_3d | 70.51 | 5.607 | 8.000 | 0.0005 | 968273 | 60.08 | 261.491 | 120.00 | 231.171 |
| UF05 | BASE | 100y_3d | 72.17 | 6.034 | 8.01 | - 0007 | 24 757 | 60.11 | 314.580 | 82.16 | 271.586 |
| UF05 | BASE | 10 y -3d | 68.94 | 4.866 | 8.00 |  | 134. 8 | 105.21 | 254.735 | 93.55 | 264.037 |
| UF05 | BASE | $25 y-3 d$ | 70.28 | 5.583 | 8.000 | 0.00 | 1911/13 | 60.13 | 284.395 | 78.07 | 270.642 |
| UF06 | BASE | 100y_3d | 72.13 | 6.024 | 8.000 | r. 024 | 73698 | 82.16 | 271.586 | 82.16 | 272.257 |
| UF06 | BASE | 10y-3d | 68.88 | $4.84^{\prime}$ | . 000 | . 0003 | 70186 | 93.55 | 264.037 | 93.54 | 264.843 |
| UF06 | BASE | 25y_3d | 70.14 | $5 .{ }^{\text {r }}$ | 000 | . 0023 | 72343 | 78.07 | 270.642 | 78.06 | 271.367 |
| UHOI | BASE | 100y_3d | 72.11 | . 019 | . 000 | ( 008 | 925095 | 61.40 | 304.057 | 82.11 | 279.819 |
| UHO1 | BASE | 10y_3d | 68.85 | 842 |  | $\bigcirc .0003$ | 529446 | 93.54 | 264.843 | 93.50 | 269.422 |
| UHO1 | BASE | 25y_3d | 70.07 |  | 8.000 | 0.0006 | 740903 | 61.15 | 276.244 | 78.00 | 278.867 |
| UHO2 | BASE | $100 y$ _3d | 72 | 6.00 | 8.000 | 0.0007 | 1741155 | 82.11 | 279.819 | 82.08 | 294.125 |
| UH02 | BASE | 10y-3d | ' 00 | 823 | 8.000 | -0.0004 | 959877 | 93.50 | 269.422 | 93.46 | 283.662 |
| UH02 | BASE | $25 y-3 d$ | 9.94 | 50 | ?. 000 | 0.0006 | 1374320 | 78.00 | 278.979 | 77.98 | 291.853 |
| UH03 | BASE | 100y_3d | 70.79 | 5.1 | 8.000 | 0.0031 | 53702 | 82.08 | 294.125 | 82.08 | 294.631 |
| UH03 | BASE | 10y-3d | . 50 | 4.7 | 8.000 | 0.0003 | 50613 | 93.46 | 283.662 | 93.46 | 280.499 |
| UHO3 | BASE | 25y_3d | 6. ${ }^{4}$ | 5. 9 | 8.000 | 0.0030 | 52522 | 77.98 | 291.853 | 77.97 | 292.418 |
| UHO4 | BASE | 100y_3d | 70.6 | . 914 | 8.000 | 0.0007 | 908294 | 60.29 | 319.923 | 120.00 | 311.070 |
| UHO4 | BASE | $10 \mathrm{y}=3 \mathrm{~d}$ | 68.46 | 4.722 | 8.000 | 0.0003 | 529086 | 93.46 | 312.360 | 93.48 | 313.343 |
| UH04 | BASE | 25y_3d | 69.18 | 5.459 | 8.000 | 0.0006 | 723145 | 120.00 | 308.174 | 120.00 | 311.618 |
| UH05 | BASE | 100y_3d | 70.47 | 5.905 | 8.000 | 0.0007 | 1677406 | 61.34 | 506.913 | 60.38 | 319.811 |
| UH05 | BASE | 10y_3d | 68.42 | 4.707 | 8.000 | 0.0005 | 929043 | 60.83 | 397.645 | 60.42 | 318.922 |
| UHO5 | BASE | 25 y -3d | 69.12 | 5.449 | 8.000 | 0.0006 | 1309251 | 60.75 | 454.465 | 60.33 | 319.582 |
| UH06 | BASE | 100 y _3d | 70.48 | 5.788 | 8.000 | -0.0050 | 9628 | 60.38 | 319.811 | 55.30 | 317.520 |
| UH06 | BASE | 10y_3d | 68.43 | 4.590 | 8.000 | -0.0050 | 9628 | 60.42 | 318.922 | 59.80 | 317.520 |
| UH06 | BASE | 25y_3d | 69.12 | 5.332 | 8.000 | -0.0050 | 9628 | 60.33 | 319.582 | 57.32 | 317.520 |
| UH07 | BASE | 100y_3d | 0.00 | 2.500 | 8.000 | 0.0000 | 0 | 55.30 | 317.520 | 0.00 | 0.000 |
| UH07 | BASE | 10y_3d | 0.00 | 2.500 | 8.000 | 0.0000 | 0 | 59.80 | 317.520 | 0.00 | 0.000 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 MAX STAGE REPORT
TABLE II-A-6
$* * * * * B a s i n ~ M a x . ~ R e p o r t * * * * * * * ~$

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max | Delta <br> Stage <br> ft | Max | $\begin{array}{r} \text { Surf } \\ \text { Area } \\ \text { ft2 } \end{array}$ | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| UH07 | BASE | 25y_3d | 0.00 | 2.500 | 8.000 |  | 0.0000 |  | 0 | 57.32 | 317.520 | 0.00 | 0.000 |

## BASIN S-1

# 72-HOUR NODAL STAGE RF ${ }^{\text {PORT }}$ 

10-YEAR, 3-DA ${ }^{*}$ STORM<br>25-YEAR, 3-DA) ${ }^{\circ}$ IORM<br>100-YEAR, ヶ-^Y S. ORM

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM
****** TABLE II-A-7 *****

| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $10 y+3 \mathrm{~d}$ | 1A01 | BASE | 71.83 | 4.723 | 8.000 | 27934 | 0.000 | 21.198 | 0.0 | 21.2 |
| 10 y -3d | 1A02 | BASE | 71.83 | 4.723 | 8.000 | 1487754 | 10.804 | 12.771 | 66.7 | 19.2 |
| 10 y -3d | 1A03 | BASE | 71.83 | 4.723 | 8.000 | 91911 | 33.969 | -14.581 | 40.4 | -13.3 |
| 10y-3d | 1A04 | BASE | 71.83 | 4.723 | 8.000 | 49567 | -14.581 | 0.590 | -13.3 | -1.0 |
| 10y_3d | 1A05 | BASE | 71.83 | 4.723 | 8.000 | 39194 | 0.590 | -1.942 | -1.0 | 16.6 |
| 10y_3d | 1 1006 | BASE | 71.83 | 4.723 | 8.000 | 1464104 | 10.412 | 1.746 | 65.2 | 23.0 |
| 10 y -3d | 1 1A07 | BASE | 71.83 | 4.722 | 8.000 | 78999 | 23.688 | -11.028 | 39.6 | -15.1 |
| 10 y -3d | 1 1008 | BASE | 71.83 | 4.723 | 8.000 | 26090 | -11.02' | 2.575 | -15.1 | 7.0 |
| 10 y -3d | 1 A 10 | BASE | 71.83 | 4.722 | 8.000 | 9610 | 2. | -0.945 | 7.0 | -3.2 |
| 10y_3d | 1A12 | BASE | 71.83 | 4.722 | 8.000 | 9616 | -C 45 | . 579 | -3.2 | 3.9 |
| 10 y _3d | 1 114 | BASE | 71.83 | 4.722 | 8.000 | 375595 | 2.959 | 100 | 15.2 | 0.1 |
| 10 y -3d | $1 \mathrm{B14}$ | BASE | 71.83 | 5.583 | 8.000 | 41563 | 0.000 | -2. 5 | 0.0 | -9.2 |
| $10 \mathrm{y}=3 \mathrm{~d}$ | 1 B 15 | BASE | 71.83 | 5.583 | 8.000 | 2095278 | 20.290 | 27.3 | 61.9 | 49.3 |
| 10 y -3d | $1 \mathrm{B16}$ | BASE | 71.83 | 5.538 | 8.000 | $315{ }^{\prime}$ | 27.398 | 27.39 | 49.3 | 45.8 |
| 10y_3d | $1 \mathrm{B17}$ | BASE | 71.83 | 5.533 | 8.000 | 32 3 | 27.5 | 27.384 | 45.8 | 43.0 |
| $10 y=3 d$ | $1 \mathrm{B18}$ | BASE | 71.83 | 5.485 | 8.000 | 50. | $2^{-}$, 84 | 27.256 | 43.0 | 44.1 |
| 10 y -3d | $1 \mathrm{B19}$ | BASE | 71.83. | 5.485 | 8.000 | 225391. | . 074 | 34.297 | 109.9 | 64.0 |
| 10 y -3d | 1B20 | BASE | 71.83 | 6.087 | 8.000 | 3933184 | 47.307 | 0.000 | 64.6 | 0.0 |
| 10 y -3d | 1 D 16 | BASE | 71.83 | 5.443 | 8.000 | 416184 | า. 512 | -5.118 | 4.2 | 15.4 |
| 10 y -3d | 1 D17 | BASE | 71.83 | 5.443 | 8.06 | -35132 | 429 | 11.942 | 69.6 | -19.4 |
| $10 \mathrm{y}-3 \mathrm{~d}$ | 1 D 18 | BASE | 71.83 | 5.443 | 8.00 |  | 11. 2 | 11.844 | -19.4 | 14.9 |
| 10y-3d | 1 129 | BASE | 71.83 | 6.164 | 8.000 | $417 \%$ | 23.427 | 0.000 | 71.7 | 0.0 |
| 10 y -3d | 1 D 20 | BASE | 71.83 | 6.164 | 8.000 | 4172 l | . 227 | 0.000 | 71.7 | 0.0 |
| $10 \mathrm{y}-3 \mathrm{~d}$ | 1 E 01 | BASE | 71.83 | 5.036 | 8.000 | '4' J55 | 19.018 | 15.821 | 141.3 | 28.3 |
| 10 y -3d | 1 E 02 | BASE | 71.83 | $5.03{ }^{\text {² }}$ | '. 000 | -8594 | 15.821 | 15.787 | 28.3 | 57.1 |
| 10y-3d | 1 E 03 | BASE | 71.83 | 5.0 | 000 | 20539 | 17.210 | 16.715 | 67.5 | 29.3 |
| 10 y -3d | 1E04 | BASE | 71.83 | $5-0$ | 000 | 4222 | 21.487 | 20.972 | 53.5 | 25.3 |
| 10 y -3d | 1 E 05 | BASE | 71.83 | . 020 | . 000 | - 197 | 22.299 | 22.126 | 35.0 | 37.1 |
| 10y_3d | $1 \mathrm{G01}$ | BASE | 71.83 | 678 |  | -8356 | 0.000 | 14.668 | 0.0 | 63.5 |
| 10 y -3d | 1 G 03 | BASE | 71.83 | 4.20 | 8.00 | 108609 | 0.000 | 10.075 | 0.0 | -35.6 |
| 10y_3d | $1 \mathrm{G04}$ | BASE | 71.83 | 4.2 | 8.000 | 648457 | 17.877 | 3.680 | 7.4 | 24.4 |
| 10 y -3d | $1 \mathrm{G06}$ | BASE | 71 | 4.6\% | 8.000 | 920001 | 22.513 | -30.129 | 110.9 | -86.1 |
| 10y-3d | $1 \mathrm{G07}$ | BASE | 7 ) 3 | 679 | 8.000 | 44276 | -30.129 | 2.661 | -86.1 | 18.7 |
| $10 y-3 d$ | 1G08 | BASE | +.83 | -78 | २. 000 | 78474 | 2.661 | 0.000 | 18.7 | -6.0 |
| 10y_3d | 1G09 | BASE | 11.83 | 4. 8 | 3. 000 | 1703375 | 8.186 | 23.047 | 36.2 | 38.2 |
| 10y_3d | $1 \mathrm{G10}$ | BASE | 71.83 | 4.13 | 8.000 | 84179 | 23.047 | -14.690 | 38.2 | -18.9 |
| 10y-3d | $1 \mathrm{G11}$ | BASE | . 83 | 4.6 | 8.000 | 49382 | -14.690 | 1.597 | -18.9 | 0.0 |
| 10y-3d | 1G13 | BASE | - 33 | 4. 3 | 8.000 | 9925 | 1.597 | 1.156 | 0.0 | -6.1 |
| 10y 3d | 2A15 | BASE | 71. | 503 | 8.000 | 1667099 | 11.927 | 0.543 | 72.2 | 5.0 |
| 10 y -3d | 2A17 | BASE | 71.8 | 163 | 8.000 | 1990623 | 13.595 | 0.000 | 85.6 | 0.2 |
| 10 y -3d | 2 C 16 | BASE | 71.83 | 0.364 | 8.000 | 542343 | 5.858 | 7.178 | 41.6 | 24.1 |
| 10 y -3d | 2 C 17 | BASE | 71.83 | 5.362 | 8.000 | 336875 | 11.992 | 12.809 | 58.8 | 38.2 |
| 10 y -3d | 2 C 18 | BASE | 71.83 | 5.359 | 8.000 | 811969 | 24.371 | 26.321 | 113.2 | 78.3 |
| 10 y -3d | 2 C 19 | BASE | 71.83 | 5.348 | 8.000 | 1010799 | 30.750 | 33.095 | 105.6 | 70.0 |
| 10 y -3d | 2 C 20 | BASE | 71.83 | 5.337 | 8.000 | 27574 | 33.095 | 33.158 | 70.0 | 71.7 |
| 10y-3d | FV01 | BASE | 71.83 | 5.379 | 8.000 | 247792 | 43.470 | -103.859 | 87.6 | 149.5 |
| 10y-3d | FV02 | BASE | 71.83 | 5.384 | 8.000 | 869257 | 39.626 | 39.952 | 110.2 | 66.2 |
| 10y 3d | FV03 | BASE | 71.83 | 5.385 | 8.000 | 1093335 | 22.999 | 22.886 | 92.4 | 39.3 |
| 10y_3d | NPA | BASE | 71.83 | 6.094 | 8.000 | 13352367 | 120.138 | 41.711 | 319.0 | 51.3 |
| 10y-3d | UB02 | BASE | 71.83 | 5.424 | 6.000 | 407169 | 0.632 | -2.478 | 5.2 | -6.0 |
| 10 y -3d | UB04 | BASE | 71.83 | 5.425 | 8.000 | 329100 | -1.816 | -4.175 | -0.5 | -12.3 |
| $10 y_{-} 3 \mathrm{~d}$ | UB06 | BASE | 71.83 | 5.429 | 8.000 | 339043 | -3.190 | -5.217 | -5.1 | -15.1 |
| 10 y _3d | UB07 | BASE | 71.83 | 5.431 | 8.000 | 56159 | -5.217 | 0.000 | -15.1 | -50.6 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM TABLE II-A-7
******Basin Max. Report*******

| Simulation | Node | Group | Time | Stage ft | $\begin{gathered} \text { Warning } \\ \text { Stage } \\ \text { ft } \end{gathered}$ | Surface <br> Area ft2 | $\begin{gathered} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{gathered}$ | Total Outflow cfs | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10y_3d | UB08 | BASE | 71.83 | 5.431 | 8.000 | 633600 | 0.671 | -8.144 | -45.6 | -33.8 |
| 10y_3d | UB09 | BASE | 71.83 | 5.437 | 8.000 | 60042 | -8.144 | -8.359 | -33.8 | -59.2 |
| 10y_3d | UB11 | BASE | 71.83 | 5.437 | 8.000 | 446254 | 26.459 | 24.827 | 9.3 | -0.2 |
| 10 y -3d | UB12 | BASE | 71.83 | 5.430 | 8.000 | 42291 | 24.827 | 24.694 | -0.2 | 46.0 |
| $10 y^{-3 d}$ | UB13 | BASE | 71.83 | 5.430 | 8.000 | 229971 | 29.460 | 9.741 | 80.8 | 23.2 |
| 10 y -3d | UD02 | BASE | 71.83 | 5.418 | 8.000 | 204661 | 41.853 | 11.402 | 47.0 | 37.2 |
| 10 y -3d | UD04 | BASE | 71.83 | 5.399 | 8.000 | 203633 | 42.824 | 40.273 | 46.5 | 98.1 |
| 10 y -3d | UD06 | BASE | 71.83 | 5.380 | 8.000 | 12415 | -63.58 | 90.013 | 247.6 | 38.5 |
| $10 \mathrm{y}=3 \mathrm{~d}$ | UD09 | BASE | 71.83 | 5.355 | 8.000 | 402738 | 91 J | 26.499 | 47.0 | 118.7 |
| 10 y -3d | UD11 | BASE | 71.83 | 5.332 | 8.000 | 200317 | 8: 01 | 452 | 126.1 | 108.2 |
| 10 y -3d | UD13 | BASE | 71.83 | 5.308 | 8.000 | 597012 | ${ }^{7} 8.494$ | 8. ${ }^{46}$ | 116.7 | 61.5 |
| 10 y -3d | UD14 | BASE | 71.83 | 5.302 | 8.000 | 31956 | 30.557 | 130.7 | 112.8 | 145.3 |
| 10 y -3d | UD15 | BASE | 71.83 | 5.207 | 8.000 | 67157 | 163.736 | 163.8 | 217.0 | 148.9 |
| 10 y 3 d | UD21 | BASE | 71.83 | 5.200 | 8.000 | $688^{\prime}$ | 163.835 | 163.941 | 148.9 | 261.7 |
| $10 \mathrm{y}-3 \mathrm{~d}$ | UF01 | BASE | 71.83 | 5.192 | 8.000 | 105! | 170.0 | 172.230 | 299.2 | 186.3 |
| 10 y _3d | UF02 | BASE | 71.83 | 5.036 | 8.000 | 514 | $17 \quad 230$ | 172.401 | 186.3 | 214.3 |
| 10y-3d | UF03 | BASE | 71.83 | 4.983 | 8.000 | 212679 | +. 508 | 213.111 | 342.1 | 238.6 |
| 10y_3d | UF04 | BASE | 71.83 | 4.875 | 8.000 | 671658 | 1.6 .478 | 219.153 | 266.2 | 277.4 |
| 10 y -3d | UF05 | BASE | 71.83 | 4.836 | 8.00 r | 1324066 | $\bigcirc .771$ | 254.322 | 352.5 | 251.4 |
| $10 \mathrm{y}-3 \mathrm{~d}$ | UF06 | BASE | 71.83 | 4.818 | 8.00 | ᄀ0092 | 2. 222 | 254.624 | 251.4 | 404.2 |
| $10 \mathrm{y}-3 \mathrm{~d}$ | UH01 | BASE | 71.83 | 4.809 | 8.006 | $\checkmark-$ | 263. 1 | 265.959 | 454.6 | 230.0 |
| 10y_3d | UH02 | BASE | 71.83 | 4.788 | 8.000 | 9461 | -58.065 | 272.286 | 245.7 | 410.9 |
| 10y-3d | UH03 | BASE | 71.83 | 4.693 | 8.000 | $5{ }^{\text {r J }} 1$ | - 2.286 | 272.448 | 410.9 | 220.5 |
| 10y_3d | UH04 | BASE | 71.83 | 4.678 | 8.000 | 「 ,924 | 279.734 | 281.522 | 252.8 | 444.0 |
| 10y-3d | UH05 | BASE | 71.83 | 4.66 | . 000 | 10205 | 313.347 | 317.475 | 585.4 | 247.5 |
| 10y_3d | UH06 | BASE | 71.83 | 4.5 | 000 | 9628 | 317.475 | 317.520 | 247.5 | 458.4 |
| 10y_3d | UH07 | BASE | 71.83 | . 00 | 000 | 0 | 317.520 | 0.000 | 458.4 | 0.0 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 72 HR NODAL STAGE REPORT FOR 25 YR 3 DAY STORM
TABLE II-A-7

$* * * * * *$ Basin Max. Report*******

| Simulation | Node | Group | Time hrs | Stage ft | $\begin{gathered} \text { Warning } \\ \text { Stage } \\ \text { ft } \end{gathered}$ | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol $\underset{a f}{\text { In }}$ | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25y_3d | 1A01 | BASE | 71.83 | 5.447 | 8.000 | 28570 | 0.000 | 26.559 | 0.0 | 30.4 |
| 25y-3d | 1A02 | BASE | 71.83 | 5.447 | 8.000 | 1770407 | 14.952 | 15.628 | 98.2 | 30.9 |
| $25 y-3 d$ | 1A03 | BASE | 71.83 | 5.447 | 8.000 | 94312 | 42.187 | -17.157 | 61.3 | -18.0 |
| 25y_3d | 1A04 | BASE | 71.83 | 5.447 | 8.000 | 51470 | -17.157 | 1.523 | -18.0 | 3.6 |
| 25 y -3d | 1 A05 | BASE | 71.83 | 5.447 | 8.000 | 40602 | 1.523 | - 3.412 | 3.6 | -9.2 |
| 25y_3d | 1A06 | BASE | 71.83 | 5.447 | 8.000 | 1745903 | 14.342 | -0.646 | 95.6 | 3.1 |
| $25 y-3 d$ | 1 1A07 | BASE | 71.83 | 5.447 | 8.000 | 82078 | -24.058 | 16.298 | -6.1 | 15.4 |
| 25 y -3d | 1 108 | BASE | 71.83 | 5.447 | 8.000 | 27077 | $16.2^{5}$ | 1.484 | 15.4 | 3.8 |
| 25 y -3d | 1A10 | BASE | 71.83 | 5.447 | 8.000 | 9606 | $1 . \pm$ | 1.909 | 3.8 | 6.9 |
| $25 y-3 d$ | 1A12 | BASE | 71.83 | 5.446 | 8.000 | 9604 | - 009 | 789 | 6.9 | 0.9 |
| $25 y-3 d$ | 1A14 | BASE | 71.83 | 5.446 | 8.000 | 506092 | 3.603 | '00 | 16.1 | 0.4 |
| 25y-3d | $1 \mathrm{B14}$ | BASE | 71.83 | 6.319 | 8.000 | 41563 | 15.046 | 14. | 10.9 | 12.6 |
| $25 y-3 d$ | 1B15 | BASE | 71.83 | 6.319 | 8.000 | 2898704 | 47.326 | 32.2 | 120.6 | 51.2 |
| 25 y -3d | $1 \mathrm{B16}$ | BASE | 71.83 | 6.255 | 8.000 | $326^{\circ}$ | 32.236 | 31.987 | 51.2 | 50.4 |
| 25 y -3d | $1 \mathrm{B17}$ | BASE | 71.83 | 6.252 | 8.000 | 321 | 31.1 | 31.727 | 50.4 | 46.4 |
| 25y-3d | 1 B 18 | BASE | 71.83 | 6.188 | 8.000 | 54 C | ? 127 | 31.183 | 46.4 | 49.0 |
| 25 y -3d | $1 \mathrm{B19}$ | BASE | 71.83 | 6.188 | 8.000 | 300107 | 3.017 | 18.723 | 148.4 | 58.0 |
| $25 y^{-3 d}$ | 1820 | BASE | 71.83 | 6.320 | 8.000 | 4662759 | 38.935 | 15.046 | 98.4 | 10.9 |
| 25y_3d | 1 D16 | BASE | 71.83 | 6.239 | 8.00 r | 690377 | -. 673 | 6.159 | 5.7 | -32.5 |
| 25 y -3d | 1D17 | BASE | 71.83 | 6.239 | 8.06 | ${ }^{2} 4073$ | 1し 555 | 95.982 | 91.0 | 72.2 |
| 25 y -3d | $1 \mathrm{D18}$ | BASE | 71.83 | 6.237 | 8.006 |  | 95.2 | 95.984 | 72.2 | 53.1 |
| 25y-3d | $1 \mathrm{D19}$ | BASE | 71.83 | 6.301 | 8.000 | 46021 | 32.599 | 38.643 | 107.7 | 22.2 |
| 25y_3d | 1D20 | BASE | 71.83 | 6.295 | 8.000 | $458{ }^{\text {r }}$, 4 | . 242 | 76.634 | 130.0 | 45.0 |
| 25 y -3d | 1 E 01 | BASE | 71.83 | 5.718 | 8.000 | - 872 | 25.212 | 13.989 | 194.9 | 42.0 |
| $25 y-3 d$ | 1E02 | base | 71.83 | 5.71 | . 000 | $\angle 9398$ | 13.989 | 13.881 | 42.0 | 59.0 |
| 25 y -3d | 1 E 03 | BASE | 71.83 | 5.7 | 000 | 72493 | 15.770 | 13.551 | 73.4 | 37.9 |
| 25 y -3d | 1E04 | BASE | 71.83 | - $\quad 17$ | 000 | 4311 | 20.196 | 17.698 | 74.7 | 38.7 |
| 25 y -3d | 1E05 | BASE | 71.83 | . 707 | . 000 | $\bigcirc 091$ | 19.462 | 18.430 | 52.2 | 45.7 |
| 25 y -3d | 1G01 | BASE | 71.83 | $? 16$ |  | 02111 | 0.000 | 13.455 | 0.0 | 88.2 |
| 25 y -3d | 1G03 | BASE | 71.83 | 59 | 8.000 | 110219 | 0.000 | 9.693 | 0.0 | -22.6 |
| $25 \mathrm{y}-3 \mathrm{~d}$ | 1G04 | BASE | 71.83 | 5.2 | 8.000 | 790513 | 20.626 | 5.234 | 42.9 | 36.1 |
| $25 \mathrm{y}-3 \mathrm{~d}$ | 1G06 | BASE | 71 | 5.214 | 8.000 | 1130892 | 24.523 | -27.537 | 159.4 | -115.1 |
| 25y_3d | $1 \mathrm{G07}$ | BASE | - 03 | 216 | 8.000 | 46274 | -27.537 | 3.376 | -115.1 | 29.7 |
| 25 y -3d | 1G08 | BASE | 1.83 | - 15 | -. 000 | 82499 | 3.376 | 5.366 | 29.7 | 6.2 |
| 25y 3d | $1 \mathrm{G09}$ | BASE | 71.83 | 5.5 | \%. 000 | 2088222 | 16.752 | -20.790 | 69.8 | 20.4 |
| $25 \mathrm{y}=3 \mathrm{~d}$ | $1 \mathrm{G10}$ | BASE | 71.83 | 5.2 | 8.000 | 86369 | -20.790 | 17.271 | 20.4 | 6.7 |
| 25y_3d | $1 \mathrm{G11}$ | BASE | 83 | 5.2 | 8.000 | 50747 | 17.271 | 0.000 | 6.7 | 5.8 |
| 25 y -3d | $1 \mathrm{G13}$ | BASE | 7.3 | 5.5 | 8.000 | 9766 | 0.000 | 1.423 | 5.8 | 0.6 |
| 25 y -3d | 2A15 | BASE | 71. | F 86 | 8.000 | 2245997 | 16.488 | 0.499 | 107.0 | 7.6 |
| 25y 3 d | $2 \mathrm{Al7}$ | BASE | 71.8 | . 886 | 8.000 | 2598765 | 18.505 | 0.000 | 126.3 | 2.5 |
| $25 y-3 d$ | 2 Cl 6 | BASE | 71.83 | 6.128 | 8.000 | 815050 | 7.813 | 8.832 | 57.9 | 28.5 |
| 25y_3d | 2 C 17 | BASE | 71.83 | 6.126 | 8.000 | 359659 | 15.242 | 15.681 | 76.7 | 50.1 |
| 25y-3d | 2 C 18 | BASE | 71.83 | 6.123 | 8.000 | 1086391 | 31.265 | 32.522 | 157.2 | 105.5 |
| 25y-3d | $2 \mathrm{C19}$ | BASE | 71.83 | 6.112 | 8.000 | 1020089 | 38.539 | 39.503 | 145.3 | 92.1 |
| 25y-3d | 2 C 20 | BASE | 71.83 | 6.102 | 8.000 | 29210 | 39.503 | 39.524 | 92.1 | 92.4 |
| 25y-3d | FV01 | BASE | 71.83 | 6.076 | 8.000 | 681548 | 20.481 | -159.026 | 119.5 | -96.4 |
| $25 y-3 d$ | FV02 | BASE | 71.83 | 6.077 | 8.000 | 2347442 | 30.184 | 15.874 | 154.2 | 88.9 |
| $25 y-3 d$ | FV03 | BASE | 71.83 | 6.077 | 8.000 | 3002130 | 28.524 | 9.334 | 134.6 | 51.2 |
| 25y-3d | NPA | BASE | 71.83 | 6.473 | 8.000 | 19183759 | 141.736 | 32.531 | 476.4 | 67.1 |
| 25y-3d | UB02 | BASE | 71.83 | 5.882 | 6.000 | 726746 | 0.831 | -12.429 | 7.0 | -10.1 |
| 25 y -3d | UB04 | BASE | 71.83 | 5.924 | 8.000 | 423920 | -11.560 | -19.269 | -2.8 | -18.8 |
| 25y_3d | UB06 | BASE | 71.83 | 6.012 | 8.000 | 449831 | -17.955 | -25.620 | -8.8 | -27.8 |
| 25y_3d | UB07 | BASE | 71.83 | 6.060 | 8.000 | 59323 | -25.620 | -26.553 | -27.8 | -14.3 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 72 HR NODAL STAGE REPORT FOR 25 YR 3 DAY STORM
TABLE II-A-7
******Basin Max. Report*******

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface <br> Area ft2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $25 y+3 \mathrm{~d}$ | UB08 | BASE | 71.83 | 6.060 | 8.000 | 879876 | -25.656 | -39.492 | -7.1 | -57.0 |
| 25y-3d | UB09 | BASE | 71.83 | 6.184 | 8.000 | 60042 | -39.492 | -40.070 | -57.0 | -65.5 |
| 25 y -3d | UB11 | BASE | 71.83 | 6.185 | 8.000 | 635820 | -20.662 | -26.780 | 0.7 | -14.0 |
| 25 y -3d | UB12 | BASE | 71.83 | 6.192 | 8.000 | 43121 | -26.780 | -27.093 | -14.0 | -58.9 |
| 25 y _3d | UB13 | BASE | 71.83 | 6.193 | 8.000 | 327402 | -20.749 | - 3.116 | -10.3 | 18.1 |
| 25y_3d | UD02 | BASE | 71.83 | 6.201 | 8.000 | 244348 | 74.610 | 13.584 | 83.7 | 66.7 |
| 25y-3d | UD04 | BASE | 71.83 | 6.143 | 8.000 | 241328 | 75.503 | 73.049 | 80.0 | 19.5 |
| 25y_3d | UD06 | BASE | 71.83 | 6.078 | 8.000 | 12628 | -85.97 | 93.673 | -76.9 | 213.3 |
| 25y_3d | UD09 | BASE | 71.83 | 6.051 | 8.000 | 473319 | 95. | 98.335 | 224.8 | 130.0 |
| 25y_3d | UD11 | BASE | 71.83 | 6.028 | 8.000 | 235558 | 8: 19 | - 300 | 140.0 | 145.9 |
| 25y_3d | UD13 | BASE | 71.83 | 6.002 | 8.000 | 702588 | 29.669 | ¢ -13 | 157.4 | 91.2 |
| 25y_3d | UD14 | BASE | 71.83 | 5.991 | 8.000 | 33062 | 19.044 | 118. 7 | 158.3 | 187.1 |
| 25y-3d | UD15 | BASE | 71.83 | 5.916 | 8.000 | 6824.3 | 158.434 | 158.2 | 279.5 | 221.5 |
| 25y_3d | UD21 | BASE | 71.83 | 5.912 | 8.000 | $698{ }^{\text {r }}$ | 158.225 | 158.015 | 221.5 | 311.3 |
| 25y-3d | UF01 | BASE | 71.83 | 5.906 | 8.000 | 166 $/$ | 166 . 6 | 162.057 | 365.8 | 247.6 |
| 25y-3d | UF02 | BASE | 71.83 | 5.768 | 8.000 | 53 L | 1F J57 | 162.037 | 247.6 | 267.8 |
| 25y_3d | UF03 | BASE | 71.83 | 5.737 | 8.000 | 280264. | 0.706 | 207.297 | 455.1 | 315.8 |
| 25y_3d | UF04 | BASE | 71.83 | 5.605 | 8.000 | 966945 | 11.723 | 212.573 | 353.1 | 343.1 |
| 25y-3d | UF05 | BASE | 71.83 | 5.579 | 8.00 r | 1907937 | '. 436 | 243.423 | 446.5 | 331.9 |
| 25y_3d | UF06 | BASE | 71.83 | 5.567 | 8.01 | 72331 | 2. 123 | 243.506 | 331.9 | 453.9 |
| 25y-3d | UH01 | BASE | 71.83 | 5.560 | 8.00 |  | 255. 1 | 256.827 | 527.8 | 331.8 |
| 25y-3d | UH02 | BASE | 71.83 | 5.545 | 8.000 | 13690 | 759.596 | 261.386 | 352.9 | 464.1 |
| 25y-3d | UH03 | BASE | 71.83 | 5.455 | 8.000 | $5^{-}, 6$ | -. 386 | 261.492 | 464.1 | 304.9 |
| 25y_3d | UH04 | BASE | 71.83 | 5.445 | 8.000 | - 212 | 271.337 | 271.371 | 361.7 | 505.7 |
| 25y-3d | UH05 | BASE | 71.83 | $5.43-$ | -. 000 | $\bigcirc 6425$ | 314.772 | 317.500 | 713.3 | 411.8 |
| 25y-3d | UH06 | BASE | 71.83 | 5. | 000 | 9628 | 317.500 | 317.520 | 411.8 | 592.6 |
| 25y_3d | UH07 | BASE | 71.83 | $?$ vo | 000 | 0 | 317.520 | 0.000 | 592.6 | 0.0 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 72 HR NODAL STAGE REPORT FOR 100 YR 3 DAY STORM
TABLE II-A-7
******Basin Max. Report*******

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | Total Inflow cfs | Total Outflow cfs | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100y_-3d | 1A01 | BASE | 71.83 | 5.923 | 8.000 | 28868 | 0.000 | 28.522 | 0.0 | 55.9 |
| 100y_3d | 1A02 | BASE | 71.83 | 5.923 | 8.000 | 2061522 | 18.083 | 16.772 | 123.0 | 46.8 |
| $100 y^{-3 d}$ | 1A03 | BASE | 71.83 | 5.923 | 8.000 | 95286 | 45.294 | -16.982 | 102.7 | -33.2 |
| $100 y-3 d$ | 1A04 | BASE | 71.83 | 5.923 | 8.000 | 52108 | -16.982 | 1.621 | -33.2 | 5.6 |
| 100y_3d | 1A05 | BASE | 71.83 | 5.922 | 8.000 | 41186 | 1.621 | - 5.934 | 5.6 | 13.1 |
| 100y_3d | 1A06 | BASE | 71.83 | 5.922 | 8.000 | 2036544 | 17.304 | +5.171 | 119.4 | 23.9 |
| 100 y -3d | 1A07 | BASE | 71.83 | 5.922 | 8.000 | 83032 | 31.105 | -11.174 | 37.0 | -0.6 |
| $100 y^{-3 d}$ | 1A08 | BASE | 71.83 | 5.922 | 8.000 | 27447 | -11.17 | 3.051 | -0.6 | 9.1 |
| $100 y^{-3 d}$ | 1A10 | BASE | 71.83 | 5.922 | 8.000 | 9606 | 31 | 2.729 | 9.1 | 8.6 |
| 100 y _3d | 1A12 | BASE | 71.83 | 5.921 | 8.000 | 9604 | -. 29 | , 674 | 8.6 | 5.8 |
| $100 y^{-3 d}$ | 1A14 | BASE | 71.83 | 5.921 | 8.000 | 653264 | 4.816 | 100 | 24.1 | 0.1 |
| 100 y -3d | 1B14 | BASE | 71.83 | 6.613 | 8.000 | 41563 | 11.916 | 11. 9 | 3.2 | 2.4 |
| 100 y -3d | $1 \mathrm{B15}$ | BASE | 71.83 | 6.613 | 8.000 | 3220379 | 51.369 | 30.1 | 139.8 | 52.1 |
| 100 y -3d | $1 \mathrm{B16}$ | BASE | 71.83 | 6.555 | 8.000 | 331 | 30.742 | 30.53, | 52.1 | 50.7 |
| 100 y _3d | $1 \mathrm{B17}$ | BASE | 71.83 | 6.553 | 8.000 | $3{ }^{-6}$ | 30,7 | 30.327 | 50.7 | 48.4 |
| $100 y=3 d$ | 1B18 | BASE | 71.83 | 6.495 | 8.000 | 55. | - 327 | 30.002 | 48.4 | 42.4 |
| $100 \mathrm{y} 3 \mathrm{3d}$ | $1 \mathrm{B19}$ | BASE | 71.83 | 6.494 | 8.000 | 332695. | 1.616 | 32.098 | 168.3 | 63.7 |
| $100 \mathrm{y} 3 \mathrm{3d}$ | 1B20 | BASE | 71.83 | 6.613 | 8.000 | 5582837 | 47.768 | 11.916 | 125.2 | 3.2 |
| 100y_3d | 1 D16 | BASE | 71.83 | 6.503 | 8.00 r | 781418 | ר. 795 | 0.000 | 6.8 | -35.0 |
| 100 y _3d | $1 \mathrm{D17}$ | BASE | 71.83 | 6.503 | 8.01 | - 65912 | 460 | 55.302 | 117.7 | 86.8 |
| $100 y=3 d$ | 1 D 18 | BASE | 71.83 | 6.502 | 8.00 |  | 55.2 | 55.097 | 86.8 | 69.6 |
| $100 y^{-3 d}$ | $1 \mathrm{D19}$ | BASE | 71.83 | 6.505 | 8.000 | 52430 | 39.083 | 20.507 | 136.1 | 27.5 |
| 100 y _3d | 1 D 20 | BASE | 71.83 | 6.504 | 8.000 | $524{ }^{\circ} \mathrm{j}$ | J. 190 | 40.757 | 163.7 | 55.1 |
| 100 y _3d | 1 E 01 | BASE | 71.83 | 6.148 | 8.000 | $3 \sim .332$ | 29.881 | 13.453 | 235.8 | 52.7 |
| 100 y 3d | 1 E 02 | BASE | 71.83 | 6.14 | ?. 000 | 29398 | 13.453 | 13.311 | 52.7 | 81.8 |
| 100 y -3d | 1 E 03 | BASE | 71.83 | 6.7 | 000 | 38914 | 15.553 | 11.985 | 99.3 | 44.6 |
| 100y_3d | 1E04 | BASE | 71.83 | ¢ .39 | 000 | 3371 | 20.041 | 16.367 | 91.3 | 45.0 |
| $100 y^{-3 d}$ | 1 E 05 | BASE | 71.83 | . 139 | . 000 | 321 | 18.459 | 16.756 | 61.3 | 53.5 |
| 100 y -3d | $1 \mathrm{G01}$ | BASE | 71.83 | 563 |  | 04536 | 0.000 | 11.590 | 0.0 | 57.8 |
| 100y_3d | $1 \mathrm{G03}$ | BASE | 71.83 | - $\quad 7$ | 8.000 | 110941 | 0.000 | 8.686 | 0.0 | -15.6 |
| 100y_3d | 1G04 | BASE | 71.83 | 5. | 8.000 | 961994 | 21.982 | 6.369 | 67.9 | 45.4 |
| 100 y -3d | 1G06 | BASE | 71 | 5.56. | 8.000 | 1386612 | 25.052 | -23.307 | 147.8 | -49.6 |
| 100y_3d | $1 \mathrm{G07}$ | BASE | -. 83 | 563 | 8.000 | 47564 | -23.307 | 3.842 | -49.6 | 36.3 |
| 100y-3d | 1608 | BASE | 1.83 | 62 | 3.000 | 85100 | 3.842 | 6.419 | 36.3 | 17.8 |
| $100 \mathrm{y}=3 \mathrm{~d}$ | 1G09 | BASE | 71.83 | 5. ${ }^{2}$ | 8.000 | 2490466 | 20.217 | 20.829 | 98.4 | 50.1 |
| 100y_3d | $1 \mathrm{G10}$ | BASE | 71.83 | 5. ? | 8.000 | 87784 | 20.829 | -15.300 | 50.1 | -5.9 |
| 100y_3d | 1 GII | BASE | . 83 | 5.12 | 8.000 | 51628 | -15.300 | 0.000 | -5.9 | 11.5 |
| $100 y^{\prime} 3 \mathrm{~d}$ | $1 \mathrm{G13}$ | BASE | , ${ }^{3}$ | 5. 3 | 8.000 | 9611 | 0.000 | 0.000 | 11.5 | 6.6 |
| $100 y^{-3 d}$ | 2 A 15 | BASE | 71. | r. 06 | 8.000 | 2603731 | 19.926 | 0.480 | 134.4 | 11.6 |
| 100y 3d | 2 A17 | BASE | 71.8 | . 306 | 8.000 | 2974600 | 22.220 | 0.000 | 160.2 | 10.2 |
| 100y_3d | 2 C 16 | BASE | 71.83 | 6.625 | 8.000 | 992449 | 9.287 | 10.721 | 70.5 | 30.7 |
| 100 y -3d | 2 C 17 | BASE | 71.83 | 6.623 | 8.000 | 383428 | 18.333 | 18.880 | 89.2 | 58.4 |
| 100y_3d | 2 C 18 | BASE | 71.83 | 6.620 | 8.000 | 1264665 | 37.489 | 39.235 | 190.3 | 125.2 |
| 100y_3d | 2 C 19 | BASE | 71.83 | 6.608 | 8.000 | 1026109 | 46.446 | 47.697 | 174.6 | 109.9 |
| 100y_3d | $2 \mathrm{C2O}$ | BASE | 71.83 | 6.595 | 8.000 | 30268 | 47.697 | 47.729 | 109.9 | 109.6 |
| 100y_3d | FVO1 | BASE | 71.83 | 6.438 | 8.000 | 950652 | 26.634 | -142.184 | 131.3 | -258.8 |
| 100y_3d | FV02 | BASE | 71.83 | 6.439 | 8.000 | 3264024 | 36.655 | 21.231 | 181.8 | 93.7 |
| 100 y _3d | FV03 | BASE | 71.83 | 6.439 | 8.000 | 4185875 | 32.641 | 12.412 | 167.2 | 53.9 |
| 100y_3d | NPA | BASE | 71.83 | 6.706 | 8.000 | 22769070 | 157.450 | 26.729 | 598.2 | 76.9 |
| 100y 3 d | UB02 | BASE | 71.83 | 6.103 | 6.000 | 880742 | 0.981 | -15.501 | 8.4 | -12.8 |
| 100y_3d | UB04 | BASE | 71.83 | 6.168 | 8.000 | 470350 | -14.475 | -22.895 | -4.0 | -22.6 |
| 100y_3d | UB06 | BASE | 71.83 | 6.293 | 8.000 | 503160 | -21.334 | -28.902 | -10.4 | -29.6 |
| $100 y$ _3d | UB07 | BASE | 71.83 | 6.354 | 8.000 | 60239 | -28.902 | -29.676 | -29.6 | -54.0 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-1 72 HR NODAL STAGE REPORT FOR 100 YR 3 DAY STORM
******Basin Max. Report*******

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Total Outflow cfs | Total Vol In af | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $100 y$ _3d | UB08 | BASE | 71.83 | 6.354 | 8.000 | 992060 | -28.609 | -41.354 | -45.5 | -64.2 |
| $100 \mathrm{y}=3 \mathrm{~d}$ | UB09 | BASE | 71.83 | 6.490 | 8.000 | 60042 | -41.354 | -41.699 | -64.2 | -64.2 -69.4 |
| $100 y=3 d$ | UB11 | BASE | 71.83 | 6.490 | 8.000 | 713274 | -8.791 | -12.869 | -64.2 | -31.1 |
| 100 y -3d | UB12 | BASE | 71.83 | 6.492 | 8.000 | 43448 | -12.869 | -13.088 | -31.1 | 1.1 |
| 100 y -3d | UB13 | BASE | 71.83 | 6.492 | 8.000 | 365687 | -5.555 | 7.391 | 60.2 | 8.0 |
| $100 \mathrm{y}=3 \mathrm{~d}$ | UD02 | BASE | 71.83 | 6.493 | 8.000 | 259162 | 49.812 | +8.662 | 93.0 | 89.8 |
| 100y_3d | UD04 | BASE | 71.83 | 6.468 | 8.000 | 257782 | 50.955 | 48.431 | 106.1 | 19.8 |
| $100 y^{-3 d}$ | UD06 | BASE | 71.83 | 6.439 | 8.000 | 12739 | -93.75 | 75.223 | -239.0 | 261.1 |
| 100 y -3d | UD09 | BASE | 71.83 | 6.422 | 8.000 | 510896 | 76 < | 70.815 | 274.9 | 158.4 |
| 100 y -3d | UD11 | BASE | 71.83 | 6.407 | 8.000 | 254771 | 7: -14 | . 172 | 170.4 | 170.6 |
| 100y_3d | UD13 | BASE | 71.83 | 6.390 | 8.000 | 761572 | 72.789 | - ${ }^{1} 89$ | 184.4 | 117.0 |
| $100 \mathrm{y}=3 \mathrm{~d}$ | UD14 | BASE | 71.83 | 6.381 | 8.000 | 33706 | 96.718 | 96.1 | 193.9 | 217.4 |
| 100 y -3d | UD15 | BASE | 71.83 | 6.325 | 8.000 | 68868 | 144.334 | 144.1. | 326.9 | 275.0 |
| $100 y=3 d$ $100 y$ $100 y$ | UD21 | BASE | 71.83 | 6.322 | 8.000 | ${ }^{704^{\circ}}$ | 144.352 | 143.968 | 275.0 | 352.7 |
| 100y_3d | UF01 | BASE | 71.83 71.83 | 6.318 6.200 | 8.000 8.000 | 203 532 | 154 1.465 | 149.465 | 420.5 | 293.5 |
| 100y_3d | UF03 | BASE | 71.83 | 6.179 | 8.000 | 328441 | 1. 3.592 | 149.427 202.342 | 293.5 543.5 | 309.7 376.2 |
| $100 y_{-3 d}$ | UF04 | BASE | 71.83 | 6.053 | 8.000 | 1211252 | 07.567 | 207.157 | 420.9 | 395.4 |
| $100 y_{-3 d}$ | UF05 | BASE | 71.83 | 6.034 | 8.00 r | 2402524 | $\bigcirc . .561$ | 235.851 | 522.0 | 393.4 |
| $100 y_{-3 d}$ | UF06 | BASE | 71.83 | 6.024 | 8.00 | 73697 | 2. 251 | 235.834 | 393.4 | 497.3 |
| 100y_3d | UH01 | BASE | 71.83 | 6.019 | 8.00 |  | 250. 4 | 250.640 | 589.6 | 405.8 |
| $100 \mathrm{y}=3 \mathrm{~d}$ | UH02 | BASE | 71.83 | 6.005 | 8.000 | 1741J | 353.910 | 253.690 | 431.1 | 506.1 |
| 100y_3d | UH03 | BASE | 71.83 | 5.921 | 8.000 | 5-9 | J.690 | 253.716 | 506.1 | 367.7 |
| 100y_3d | UH04 | BASE | 71.83 | 5.913 | 8.000 | C 169 | 263.866 | 264.363 | 444.5 | 558.4 |
| $100 y_{-3 d}$ | UH05 | BASE | 71.83 | $5.90^{-}$ | . 000 | 16042 | 316.490 | 317.514 | 818.0 | 530.1 |
| $100 y^{\prime} 3 \mathrm{~d}$ | UH06 | BASE | 71.83 |  | 000 | 9628 | 317.514 | 317.520 | 530.1 | 693.1 |
| $100 y_{\sim} 3 \mathrm{~d}$ | UH07 | BASE | 71.83 | 2 jo | 000 | 0 | 317.520 | 0.000 | 693.1 | 0.0 |

## SOUTH BROWARD DRAINAGE DISTRICT



## BASINS S-2, S 1 and S-I3



## DESCRIPTION

Basins S-2, S-7 and S-13 are located in the east-central quadrant of the District and encompass a total area of 15.2 square miles. Collectively, these three basins are more than $80 \%$ developed, and most of the required water management areas in these basins are in place and operational.

Basin S-2 lies in the Cities of Miramar and Pembroke Pines. This 7.5 square mile basin is bordered on the east by Douglas Road, the north by Pines Boulevard, the west by Flamingo Road and the south by the Florida Turnpike Extension. This basin contains portions of several undeveloped parcels including the Pines City Center, Miramar Park of Commerce, Waterview/Foxcroft, Miramar Town Center, Sunbeam Development Corp. residential properties, and the Raintree Golf Course Re evelopment site. However, a large majority of the water management systems that ${ }^{\text {rve }}$ these undeveloped parcels are in place and operational. The AdICPR model for sasiı S-2, S-7 and S-13 has been updated as part of this Facilities Report update.

Basin S-7 lies within the City of Pembroke Pir. ₹ and ncompasses 4.5 square miles. It is bordered on the east by Douglas Road, the , n by Sheridan Street, the west by Flamingo Road and the south by Pines ? ⿰ulevard. The basin is considered to be builtout and the only permitting activities wilt onlve che re-development of previously developed parcels.

Basin S-13 is approximately , 2 so are n 'es and is located in the City of Pembroke Pines. It is bordered by She, 'an 5 , +ne north, I-75 to the west, Flamingo Road on the east, and Pines Blvd on . south. The sub-division of Pembroke Falls and CB Smith Park occupy ne 0. wh ning majority of this basin. This basin is also considered to be uilt-out ; d tıe only permitting activities will involve the redevelopment of previc sly deve ped parcels.

The overall boundaries o. eS-2, S-7 and S-13 basins and their existing facilities are shown on Figure II-B-1, Figure II-B-6 and Figure II-B-10, respectively.

Since 2005, the following improvements have been completed within the S-2, S-7 and S13 basins:

- Upgrades to all three motors at the S-2 pump station during fiscal year 20102011.
- Upgrades to the control panels for the S-2 and S-7 pump stations to allow remote operation of the station by District staff.
- Demolition and removal of the B-5 secondary pump station and canal excavation.
- Installation of a culvert lining for a major outfall under Palm Avenue (Tanglewood outfall).
- Installation of Revetment stabilization at miscellaneous lake interconnects.
- Miscellaneous lake bank restorations in Basin 7 following Hurricane Wilma.
- Miscellaneous culvert cleanings and weir removals.
- Installation of hurricane resistant garage doors at the $\mathrm{S}-2$ and $\mathrm{S}-7$ pump stations.

The following new developments have been completed:

* Miramar Residential, Montclair, Alexan, Flamingo Cove, Martinique, Treo, MPC V, Hampton Inn, Pembroke Lakes Square, Lincoln Mercury, and Audi Pines.

The following infrastructure improvements are proposed for the $\mathrm{S}-2, \mathrm{~S}-7$ and $\mathrm{S}-13$ basins:

- Installation of a manual by-pass at the S-7 pump station (sluice gate).
- Removal of the remaining weirs at specific locations in the S-2/S-7 basins.
- Continued dredging and deepening of SBDD primary and/or secondary canals.
- Continued hardening of lake banks and headwalls at critical lake interconnect locations.
- Installation of boat ramps for improved access by SBDD maintenance crews.
- Miscellaneous culvert repairs/replacements.


## METHODOLOGY

Basins S-2, S-7 and S-13 have been analyzed c or large, interconnected basin. These are contiguous basins that are served bv the sam. yrimary canals: SBDD Canals No. 2 and No. 3 (Palm Avenue and Flamingo 'on Canals, espectively). Stormwater runoff is conveyed to these two primary canals wh. h flr $\stackrel{\text {.th to the SFWMD C-9 Canal. }}{ }$

SBDD Canal No. 2 is located $\mathrm{n}_{\mathrm{t}} \mathrm{t}_{\mathrm{t}}$ wes side of Palm Avenue. It extends from the Miami-Dade County/Browa Coun Line 1 rrth to Sheridan Street and serves both the S-2 Basin and S-7 Basin. D $\downarrow$. ge trun the SBDD Canal No. 2 into the SFWMD C-9 Canal is controlled th ${ }^{r}$, the istrict's S-2 Pump Station with a permitted discharge rate of 300 cfs . W cer quat ${ }^{T}$ is ovided behind the pump station, and the control elevation for the i' ' and $S$ - Basins is maintained at 2.7 ' NGVD. Water quality requirements and dis arge ites from the S-2 Basin are regulated by the SFWMD Permit \# 06-00373-S.

The SBDD Canal No. 3 is located to the west of Flamingo Road and extends from the Florida Turnpike Extension north to the District's northern boundary at Sheridan Street. The Flamingo Road Canal then continues further north (through the Central Broward Water Control District) and connects to the C-11 Canal. This canal runs along the boundary line of Basins S-2 and S-3 south of Pines Boulevard and along the boundary line of Basins S-7 and S-13 north of Pines Boulevard. SFWMD control structure G-87, located at the north end of Basins S-13/S-7, prevents the flow of stormwater from the Central Broward Water Control District, located north of Sheridan Street, into SBDD Canal No. 3. The District's S-7 Pump Station is located on SBDD Canal No. 3, approximately one half mile north of the SFWMD C-9 Canal (within Basin S-12). This facility controls discharge into the SFWMD C-9 Canal and has a permitted discharge rate of 222 cfs. Water quality is provided behind the S-7 Pump Station and a control elevation of $2.7^{\prime} \mathrm{NGVD}$ is maintained. Water quality requirements and discharge rates from the S-7 Basin are regulated by the SFWMD Permit \# 00295-S.

Basin S-13 discharges by gravity into SBDD Canal No. 3 through a control structure from the Pembroke Falls development. A control elevation of 3.0' is maintained for the S 13 Basin.

Figures II-B-1, II-B-6 and II-B-10 depict the existing facilities in Basin S-2, S-7 and S-13 respectively; and Tables II-B-2, II-B-6 and II-B-10 provides the corresponding existing culvert schedule for each basin. Figures II-B-3, II-B-4 and II-B-5 show the existing control structures, staff gauges and fish guards in Basin $\mathrm{S}-2$ with corresponding Schedule Tables II-B-3, II-B-4 and II-B-5. Figures II-B-7, II-B-8 and II-B-9 show the existing control structures, staff gauges and fish guards in Basin $\mathrm{S}-7$ with corresponding Schedule Tables II-B-7, II-B-8 and II-B-9. Figures II-B-11, II-B-12 and II-B-13 show the existing flood gates, control structures, and staff gauges in Basin $\mathrm{S}-13$ with corresponding Schedule Tables II-B-11, II-B-12 and II-B-13.

## MODEL ANALYSIS

Basins S-2, S-7 and S-13 have a number of do- sins served by a series of interconnected lakes. All the sub-basins dischar , to the - 'DD primary Canal Nos. 2 and 3 through control structures and/or open $r$.verts.

The 2005 AdICPR model indicated that peak sl. f for the 10 -year, 3 -day and the 100year, 3-day storm events in the sub-basins east ot e Palm Avenue canal in both Basins S-2 and S-7 were close to the permitte flu ${ }^{\text {riterı, for these basins. Since } 2005 \text { the }}$ District has modified a majority of the $\mathrm{n}^{\dagger} \mu \mathrm{s}$ s. actures (ie: removed weirs) in these sub-basins allowing greater dis .m e to de Palm Avenue Canal and helping to lower stages and reduce the flood d iation

Based on the 2013 AdICPR mc results, all properties within Basins S-2, S-7 and S-13 meet the District's adr cu vel `Service.

Currently, the Dist ${ }_{1}$ +'s Canal o. 2 and Canal No. 3 are interconnected in two locations north of Johnson Stre A th a interconnect is in place in the south end of the basin (north of the Homestead raike Extension). A fourth interconnect is planned through the central portion of these basins between Miramar Boulevard and Miramar Parkway. The majority of the infrastructure for this fourth interconnect has been constructed and the ultimate connection will be completed as part of the build-out of Basin S-2.

The 2013 model results indicate that the Palm Avenue and Flamingo Road Canal sections are not restrictive in conveying stormwater to the S-2 and S-7 pump stations. It is recommended that any future culvert crossing within either the Palm Avenue Canal or the Flamingo Road Canal be properly analyzed to assure minimum flood impact to the upstream area of the proposed crossing.

Figure II-B-14 shows the overall AdICPR nodal diagram for Basins S-2, S-7 and S-13 and Figures II-B-15, II-B-16 and II-B-17 show the individual AdICPR nodal diagrams for Basin S-2, S-7 and S-13 respectively. Tables II-B-14 and II-B-15 list the AdICPR output data for maximum stages and 72 -hour stages at each node within all three basins.

## SUMMARY \& RECOMMENDATIONS

The model results indicate that Basins S-2, S-7 and S-13 are all adequately served by the existing infrastructure in these basins and all three basins meet the District's adopted Level of Service for the 10-year and 100-year storm events.

The following basin improvements are recommended to lower peak stages and to further improve the conveyance capacity between Basin S-2 and Basin S-7:

- The completion of a fourth basin interconnect between SBDD Canal No. 2 and SBDD Canal No. 3, through Basin S-2. The completion of a portion of this interconnect through Section 30 is scheduled to be completed in 2013 as part of the MPC VI development; and the remaining interconnect will be completed with the build-out of Section 25.
- Any future culvert crossing on either the Palm Avenue Canal (SBDD Canal S-2) or the Flamingo Road Canal (SBDD Canal S-3) should be properly analyzed to ensure that adequate conveyance is maintained for the $10^{r}$ year storm event.
- Installation of a manual by-pass at the S-7 , $\quad$ o station to allow for gravity discharge from the S-7 basin during emergency sic ations and to facilitate prestorm draw downs via gravity discharge.
- All undeveloped areas to provide a mir num r 20\% water management area, or equivalent.


## SUMMARY OF BASIN CHARACTERISTICS BASINS S-2, S-7 \& S-13

GENERAL
TOTAL BASIN AREA
TOTAL PERVIOUS AREA
TOTAL IMPERVIOUS AREA
LAKE AREA
DESIGN CONTROL ELEVATION
Basins S-2 and S-7
Basin S-13
$10-$ YEAR 3-DAY FLOOD ELEVATION
(MINIMUM ROAD CROWN)
$100-Y E A R ~ 3-D A Y ~ F L O O D ~ E L E V A T I O N ~$
(MINIMUM FINISHED FLOOR ELEVATION)

| $(\mathrm{AC})$ | 9550 |
| :--- | :---: |
| $(\mathrm{AC})$ | $3670(44 \%)$ |
| $(\mathrm{AC})$ | $4130(38 \%)$ |
| $(\mathrm{AC})$ | $1750(18 \%)$ |

(FT NGVD) 2.70
(FT NGVD) 3.00
(FT N JD) 6.00
(FT 1 `D) 7.50
(MINIMUM FINISHED FLOOR ELEVATION)

Note:
All undeveloped areas are required to have a minimum o. ${ }^{\prime} 0^{\circ} \quad$ water management area
and to comply with all SFWMD and $\mathrm{SB}^{\Gamma}$, Crit. 7.


CANAL

| CANAL NAME |  | SBDD No 2 |
| :--- | :---: | :---: |
| LENGTH | (FT) | 21,000 |
| CANAL NAME |  | (FT) |
| LENGTH |  | 26,500 |
| MANNING'S "n" |  | 0.033 |



Calvin, Giordano \& Associates, Inc

## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-2 EXISTING FACILITIES MAP

## GIS曹

## Legend

Culverts 2012
SBDD Pump Station
Water Bodies

$1,000 \quad 2,000$
4,000

TABLE II-B-2

| BASIN S-2 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{\text {d }}$ | Subdivision | Location | Sire | Material | Shape | Lengh | Ceneral Conments |
| 2.11 | Flamings Square | Flaming R. Q \& ( ) of fembrock Rd. | ${ }_{96}$ | ${ }_{\text {RCP }}$ | ${ }_{\text {circ. }}$ | ${ }^{73}$ |  |
| 2.12 | Flamingo Square | Flamingo Rd. \& (S) fof Pemborece d. | 96 | ${ }_{\text {RCP }}$ | circ. | ${ }^{73}$ |  |
| ${ }^{2.1 .3}$ | Flaming Sosuare | Flaming Rd. \& \& (S) of Pembrocke Rd. | 96 | ${ }_{\text {RCP }}$ | circ. | ${ }^{73}$ |  |
| $2 \cdot 2$ | Mirama Town Center | (W) of Hiaus $\mathrm{Rd} . \varepsilon(\mathrm{S})$ of Miramar Bld. | 54 | ${ }_{\text {RCP }}$ | Clirc. | ${ }^{298}$ |  |
| ${ }^{2.2 .1}$ | Mirame Town Cener | Eastof ofueret 2 2 | 48 | ${ }_{\text {RCP }}$ | circ. | ${ }^{41}$ |  |
| ${ }^{222}$ | Mirama Town Cener | Esaso fatuer 2.2.1 | 48 | ${ }_{\text {RCP }}$ | circ. | ${ }_{41}$ |  |
| ${ }^{2.23}$ | Mirama Town Cener | Mirana Blvd. \& ( ) of Hiaus Rd. | 54 | ${ }_{\text {RCP }}$ | circ. | ${ }^{66}$ |  |
| 2.3 | Mirama Town Cenerer MPOC VI | Hiaus R. Q ( (S) of Miramar Elvd. | -4 | ${ }_{\text {RCP }}$ | CIRC. | 517 |  |
| 2.4 | Mirama Toun Cenerer Mirama Commons | Mirmaralivd. Hiaus Rd. | 4 | ${ }_{\text {rcP }}$ | ${ }_{\text {circ. }}$ | ${ }^{227}$ |  |
| 2.5 | Avenine Matriniue | Mirama Elvad \& (E) of flamingo Rd. | 48 | ${ }_{\text {RCP }}$ | circ. | 684 |  |
| ${ }^{2.6}$ | Aventine Alexan | Miramar Eld. \& \& (S) f R Rect Rd. | ${ }_{48}$ | ${ }_{\text {RCP }}$ | CIRC. | 1340 |  |
| ${ }^{2.7}$ | Pentorek P Pies Cily Hall | Palm Ave. \& sw tal St | 120 | CMP | circ. | 110 |  |
| 2.8 | The Landings | Palm Ave.es sw lith 5 t | 120 | CMP | circ. | 103 |  |
| 2.9 .1 | Pamm Ave. 8 Pembroke Rd. | Pamm Ave. 8 Pembore erd. | ${ }_{9}$ | CMP | circ. | ${ }^{206}$ |  |
| 2.92 | Palm Ave. \& Pembroke Rd. | Palm Ave. \& Per - | 72 | CMP | circ. | 206 |  |
| 2.2 .3 | Palm Ave \& Pembrote Rd. | Palm Ave. 8 embore | 72 | CMP | circ. | 206 |  |
| $2{ }^{20.10 .1}$ | Palm Ave. \& Miramaralvd. | Pam Ave Miramp | ${ }_{9}$ | ${ }_{\text {RCP }}$ | circ. | 184 |  |
| $2{ }^{2.10 .2}$ | Palm Ave \& M Minama Blvd. | Pamm Ave.e. A . ar ar ivd | ${ }_{96}$ | ${ }_{\text {RCP }}$ | circ. | 184 |  |
| $2{ }^{210.3}$ | Palm Ave. \& Mirimara Blvd. | mmaven Virat givd. | ${ }_{96}$ | ${ }_{\text {RCP }}$ | circ. | 184 |  |
| ${ }^{2} \cdot 11.1$ | Palm Ave. \& Miramar Phwy. | Palm Ave. \& , maxt tavy. | ${ }_{96}$ | ${ }_{\text {RCP }}$ | circ. | 155 |  |
| $2{ }^{211.2}$ | Palm Ave © M Miramar Phwy. | Imave. EN mamphy. | 96 | ${ }_{\text {RCP }}$ | CIRC. | ${ }_{155}$ |  |
| ${ }^{2 \cdot 12.12}$ | Mirame Parko f Commere |  | 96 | ${ }_{\text {RCP }}$ | circ. | 115 |  |
| ${ }^{2.122}$ | Mirant Parkf f Commere | Palm. $\&$ USA Today Way | 96 | ${ }_{\text {RCP }}$ | circ. | 115 |  |
| ${ }^{2} 213.1$ | S.2 Pump Sation | 2000 sw 10 ata Ave. | ${ }^{42}$ | Stel | circ. | 5 | 4SK GPM, Pmum ${ }^{\text {\% }}$ |
| 2-13,2 | S.2. Pump Sation | 2000 sw 101stave. | 42 | STEEL | circ. | 5 | 45 K CPM, Pump \#2 |
| 2.13 .3 | s.2 Pump Staion | 2000 sw 10 Sta Ave . | 42 | stel | circ. | 5 | 45K crp, Pump ${ }^{\text {a }}$ |
| 2.13,4 | S.2 Pump Sation | 2000 sw 10 Sta Ave. | ${ }^{42}$ | STEEL | circ. | 5 | free Flow The |
| 2.14 | Copp Chatere Schol- East Campus | Pembroce Rd. \& E ( ) of Hiaus Rd. | ${ }_{36}$ | ${ }_{\text {RCP }}$ | circ. | ${ }_{48}^{48}$ | Conrol Smucture |
| 2.15 | Resideneses M Mirama Lakes | (N) of Miramar Elvd. 8 Preserve Way | $48838 \times 60$ | ${ }_{\text {RCP }}$ | circ. | 194 |  |
| 2.16 | Mirabela | (E) of Palm Ave. \& (S) of Mirimam Elvd. | ${ }_{48}^{48}$ | ${ }_{\text {RCP }}$ | ${ }_{\text {circ. }}$ | 116 |  |
| 2.18 | Raintre Golf Course |  | ${ }^{24}$ | ${ }_{\text {cı }}$ | circ. | ${ }^{87}$ |  |
| $\underline{2}$ | Hollb book Golif Cuse | Hollybrok Goif Couse | ${ }_{48}$ | ${ }_{\text {cMP }}$ | circ. | 12 |  |

TABLE II-B-2

|  | BASIN S-2 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{\text {d }}$ | Subdivision | Location | Sire | Material | Shope | Length | General Conments |
| 220 | Hollybook Golf Cause | Holly brok Golf Couse | ${ }_{36}$ | CMP | circ. | ${ }^{695}$ |  |
| ${ }^{2} 21$ | Famingop Plara | Flaminge Rd. $\&$ s W 1stst | ${ }^{144 \times 120}$ | CMP | ELLP. | ${ }^{80}$ |  |
| 2.22 | Flamingo Plara |  | $144 \times 120$ | ${ }_{\text {CMP }}$ | عй1. | ${ }_{146}$ |  |
| ${ }^{2.23}$ | Flamingop Plaz | Flaminge Rd. 8 s W 4t st | $144 \times 120$ | CMP | ELLIP. | ${ }_{81}$ |  |
| $2{ }^{224.1}$ | Flamingo Rd. 8 Pembroke Rd. | Flamings Rd. \& Pembocke Rd. | $\bigcirc 96$ | ${ }_{\text {RCP }}$ | CIRC. | ${ }^{235}$ |  |
| $2{ }^{2.24}$ | Flamingo Rd. \& Pembrocke d d. | Flamingo Rd. \& Pembocke Rd. | 96 | RCP | circ. | ${ }^{235}$ |  |
| ${ }^{22243}$ | Flaming Pd. \& Pembrocke Rd. | Flaming. R. \& P Pembrocke Rd. | 96 | ${ }_{\text {RCP }}$ | clirc. | 235 |  |
| 2.25 .1 | Monarch Laks | Flamingo Rd. \& Monact Lakes Bvd. (E) Pipr |  | ${ }_{\text {RCP }}$ | circ. | ${ }^{158}$ |  |
| 2.25.2 | Monarch Lakes |  | r | RCP | circ. | ${ }^{158}$ |  |
| ${ }^{2} 2.53$ | Monarch Lates |  | 96 | ${ }_{\text {RCP }}$ | circ. | ${ }^{158}$ |  |
| ${ }^{2.26}$ | Hollybrok Goif Couse | Hollybook Goll Cuse | ${ }_{4}^{48}$ | cMP | circ. | ${ }^{26}$ |  |
| 2.27 | Hollybook Golf Couse | Holly fook Goll Curse | 48 | CMP | CIRC. | 9 |  |
| ${ }^{228}$ | Holly | Holly frok Goll Cuse | ${ }_{48}$ | CMP | circ. | ${ }^{31}$ |  |
| 2.29 | villas De Malloca/ Wateriew - North Pipe | vills De e Mallora/ Waereview | ${ }^{36848}$ | ${ }_{\text {RCPPCMP }}$ | circ. | ${ }_{587}$ |  |
| 2.30 | villas De Melloca/ Wateriew - South Pipe | villas De Mallr - wiew | 48860 | ${ }_{\text {RCP }}$ | CIRC. | ${ }_{557}$ |  |
| 2.31 | Waterevev | Waerevew | 30 | CMP | circ. | 171 |  |
| 2.32 | Wateriew | Wateriem | 36 | CMP | circ. | 138 |  |
| 2.33 .1 | Wateriev | Wameriev, | 60 | ${ }_{\text {RCP }}$ | circ. | ${ }^{65}$ |  |
| 2.33 .2 | Wateriev | aterien. | , | ${ }_{\text {RCP }}$ | circ. | ${ }^{65}$ |  |
| 2.35 | Wateriew | Waerevew | 30 | ${ }_{\text {RCP }}$ | circ. | ${ }^{26}$ |  |
| 2.239 .1 | 7-11/ CVs Phamay | Im Ave.er of of Pembocke Rd. | 96 | ${ }_{\text {RCP }}$ | circ. | ${ }^{143}$ |  |
| 2.392 | $7.11 /$ CVs Phamacy |  | 96 | ${ }_{\text {RCP }}$ | circ. | ${ }^{143}$ |  |
| $2 \cdot 40$ | Mirama Park of Commere | (s) of er mmp Sation | 60 | ${ }_{\text {RCP }}$ | circ. | 70 |  |
| 2.41 | Milano | Sw 19 lth Ave. 8 sw 30ht St | 48 | ${ }_{\text {RCP }}$ | CIRC. | ${ }_{467}$ |  |
| $2 \cdot 42$ | Monclair Marinique |  | 72 | RCP | CIRC. | ${ }^{623}$ |  |
| 2.43 | Marainulue | 2784 SW 2125 a Ave. | 72 | ${ }_{\text {RCP }}$ | CIRC. | 179 |  |
| 2.71 | Lakeside Key | sw 9gh Ave. 2 sw loh st. | ${ }^{24}$ | CMP | circ. | 775 |  |
| 2.72 | Tangewood - Outall | Palm Ave. \& sw th St | ${ }^{42}$ | cmp | circ. | ${ }^{142}$ |  |
| 2.73 | Tangevod | sw gith Ave. 8 sw 6th St | ${ }_{6}$ | cMP | circ. | ${ }^{76}$ |  |
| 2.74 | Palms of Penbobe | sw sth Ave.esw sh St. | ${ }^{36}$ | ${ }_{\text {RCP }}$ | CIRC. | 165 |  |
| 2.75 | Villages frenaissme |  | ${ }_{48}^{48}$ | ${ }_{\text {RCP/ } / \text { Cap }}$ | circ. | ${ }^{256}$ |  |
| 2.76 | ${ }^{\text {Latasiside } \mathrm{Key}}$ | 1.100 sw 100nt Ter. | ${ }^{30}$ | CMP | circ. | ${ }^{386}$ | Contro Sma |

TABLE II-B-2

| BASIN S-2 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivion | Location | Size | Material | Shape | Length | General Comments |
| 2.77 | Lakeside Key | Sw 99th Ave. \& SW 10th St. | 24 | CMP | CIRC. | 777 |  |
| 2.78 | Hollybrok Golf Course | Hollybrok Golf Course | 18 | pvc | CIRC. | 375 |  |
| 2-79 | Hollyrrok Golf Course | Hollybrook Golf Course | 18 | PVC | CIRC. | 299 |  |
| 2-80 | Hollybrok Golf Course | Hollybrok Golf Course | 18 | PVC | CIRC. | 398 |  |
| 2-81 | Hollybrok Golf Course | Hollybrok Golf Course | 18 | PVC | CIRC. | 191 |  |
| 2-82 | Hollybrok Golf Course | Hollybrok Golf Course | 18 | PVC | CIRC. | 372 |  |
| 2-83 | Quincey Park | SW 97th Ave. \& SW 14th Ct. | 24830 | PVC | CIRC. | 1077 |  |
| 2-84 | Quincey Park - Outall | Palm Ave \& SW 15th St. | ? | CMP | CIRC. | 209 |  |
| 2-85 | Hollybrok Golf Course | Hollybrok Golf Course | 1. | pvc | CIRC. | 152 |  |
| 2-86 | Hollybrok Golf Course | Hollybrok Golf Course | 18 | PVC | CIRC. | 231 |  |
| 2.87 | Hollybrok Golf Course | Hollybrok Golf Course | 18 | pvc | CIRC. | 241 |  |
| 2.88 | Hollybrok Golf Course | Hollybrok Golf Course | 18 | pVC | CIRC. | 97 |  |
| 2-89 | Hollybrok Golf Course | Hollybrok Golf Course | 18 | pvc | CIRC. | 280 |  |
| 2.90 | Hollybrok Golf Course | Hollybrok Golf Course | 18 | pvc | CIRC. | 308 |  |
| 2-91 | Hollybrok Golf Course | Hollybrook Golf | 18 | pvc | CIRC. | 269 |  |
| 2.92 | Amber Lakes | 9201 SW 2 C | 42 | RCP | CIRC. | 304 |  |
| 2.93 | Estates of Lake Mirama/ Amber Lakes | 2002 SWs ${ }^{\text {a }}$ | 36 | RCP | CIRC. | 808 |  |
| 2.94 | Estates of Lake Mirama/ Franklin Farms | 234 n Munhill A | 48 | RCP | CIRC. | 542 |  |
| 2.95 | Franklin Fams | ,41 Fail. Ave. | 48 | СмP | CIRC. | 522 |  |
| 2.96 | Riverale | 12260 Riverdal | 60 | RCP | CIRC. | 299 |  |
| 2.97 | Mirabella | ${ }^{1 \mathrm{~lm} \text { Ave. \& } \mathrm{S}} 212 \mathrm{stSt}$ | 48 | RCP | CIRC. | 536 |  |
| 2.98 | River Run - Outfall |  | 48 | RCP | CIRC. | 148 |  |
| 2 2-99 | Riverdale South | 2671 k . st Dr. | 36 | RCP | CIRC. | 558 |  |
| 2-100 | River Run | Fairmont Ave. \& Encino St. | 48 | CMP | CIRC. | 143 |  |
| 2-101 | Turte Bay | 2600 Buttonwood Dr. | 48 | RCP | CIRC. | 79 |  |
| 2-102 | Hampshire Homes - Oufall | Palm Ave. \& Marbery Ln. | 96 | CMP | CIRC. | 312 |  |
| 2-103 | Hampshire Homes | 9899 Nadina St . | 60 | RCP | CIRC. | 200 |  |
| 2-104 | Hampshire Homes | 9851 lvy Way | 54 | CMP | CIRC. | 78 |  |
| 2-105 | Hampstire Homes | 9851 | 24 | СмP | CIRC. | 235 |  |
| 2-106 | Meadows of Miramar | 3320 SW 96th Terr. | 42 | MP | CIRC. | 78 |  |
| 2-107 | Meadows of Miramar | Meadows Circle West \& Fern Ln. | 36 | CMP | CIRC. | 45 |  |
| ${ }^{2-108}$ | Meadows of Miramar | Meadows Circle East \& Fern Ln. | 36 | СмP | CIRC. | 46 |  |

TABLE II-B-2

|  | BASIN S-2 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Suldivision | Location | Sire |  | Shope | Length | Ceneral Conments |
| $2 \cdot 209$ | Meatus of Miramar Mirama Club | (s) of Miramar Phyy. \& ( ( ) of Doughas d. | 30 | CMP | circ. | 351 |  |
| $2 \cdot 110$ | Mirana Club/ Wateriew | (s) of Mirmar Phwy. \& ( W ) of Doughas $\mathrm{Rd}$. | 8886 | ${ }_{\text {RCP }}$ | circ. | ${ }^{1205}$ |  |
| 2-111 | Miramar Club | (s) of Mirmara Phw. \& ( ( ) of Doughas Rd. | 24 | ${ }_{\text {RCP }}$ | Clrc. | ${ }^{34}$ |  |
| 2.112 | Miramar Park f Commere Ooutall | Palm Ave \& 8 (S) of USA Tody W Way | Land weir |  |  |  | Contral Stucture |
| 2.113.1 | Mirama Pakk f Commere | ${ }^{3} 451$ Commerece Phyy. | ${ }^{48}$ | ${ }_{\text {cMP }}$ | circ. | 216 |  |
| 2.113.2 | Mirama Patk f Commere | ${ }^{3451}$ Commerec Phwy. | ${ }_{48}$ | ${ }_{\text {CMP }}$ | circ. | 216 |  |
| 2.14.1 | Mirama Parko f Commere | Executive Way (S) of 3 351 Execuive W Wy | ${ }^{48}$ | CMP | circ. | ${ }^{24}$ |  |
| 2-14, | Mirama Pakk f Commere | Executive Way (S) of 34515 Exective Way | 3 | CMP | circ. | ${ }^{224}$ |  |
| 2.115 | Mirama Patk f Commere | Tumpik Swale (W) of.2. Sation | \% | ${ }_{\text {RCP }}$ | CIRC. | ${ }_{4} 4$ |  |
| ${ }^{2} \cdot 116$ | Mirama Town Cenere Alexan | (E) of Hiaut Rd. \& Red Rd. | ${ }_{54}$ | ${ }_{\text {rcP }}$ | circ. | ${ }^{1450}$ |  |
| $2-17$ | villase of Renisasace/ Avenine | (W) of Miramar Bld \& \& Rece Rd. | 54 | RCP | circ. | 763 |  |
| 2.118 | vilages frenaisame | Village of Renisasme | ${ }_{4}^{48}$ | RCP/ /CAP | CIRC. | ${ }^{873}$ |  |
| $2 \cdot 119$ | Villages frenaisame | Vilages of Renisasme | ${ }^{48}$ | ${ }_{\text {RCP }}$ | CIRC. | ${ }^{170}$ |  |
| 2.212 | Villages frenissamce | Villages of Renisamce | ${ }_{48}^{48}$ | ${ }_{\text {RCP }}$ | clic. | 445 |  |
| ${ }^{2-121}$ | Miramar Town Cenerer Villages of Renisanace | (W) of Hiaus $\mathrm{R}^{\prime}$. ${ }^{\text {and }}$ nar BlW | 54 | ${ }_{\text {RCP }}$ | CIRC. | 217 |  |
| ${ }^{2.122}$ | village of Renisama | village of misame | ${ }^{48}$ | ${ }_{\text {RCP }}$ | CIRC. | 190 |  |
| ${ }^{2.123}$ | villages frenaisame | vilugeseo | ${ }_{4}^{48}$ | ${ }_{\text {RCP }}$ | CIRC. | ${ }^{131}$ |  |
| ${ }^{2.124}$ | Vilages of Renisasme | Villosoof fren ine | ${ }_{48}$ | ${ }_{\text {RCP }}$ | CIRC. | 191 |  |
| 2.25 | village of Renisama | Hlages. | ${ }_{48}$ | ${ }_{\text {rcP }}$ | circ. | ${ }^{141}$ |  |
| ${ }^{2-126}$ | villages of Renisasme | Viluges of Re sisame | ${ }_{4}$ | ${ }_{\text {RCP }}$ | CIRC. | 184 |  |
| 2.127 | Mirama Commos |  | ${ }^{48}$ | ${ }_{\text {RCP }}$ | CIRC. | 644 |  |
| ${ }^{2.128}$ | The Resors at Pemboke P Pines - Eranace |  | ${ }^{84}$ | CAP | CIRC. | 1540 |  |
| 2.29 | Rintre Colf Couse | Rainte - off Couse | 24 | смP | circ. | 60 |  |
| ${ }^{2} \cdot 130$ | Rinitre Colf Couse | Raintee Colf Couse | 36 | CMP | circ. | ${ }^{82}$ |  |
| ${ }^{2} 2131$ | Raintre Colf Couse | Raintee Golf Couse | ${ }_{36}$ | смр | сіrc. | ${ }^{106}$ |  |
| 2.132 | Raintee Colf Couse | Raintee Golf Couse | 36 | смp | Clirc. | , |  |
| ${ }^{2.133}$ | Rinitre Colf Couse | Raintre Golf Couse | 24 | CMP | Clirc. | ${ }^{34}$ |  |
| ${ }^{2.134}$ | Rainte Colf Couse | Rainree Coll Couse | 84 | CMP | CIRC. | 249 |  |
| ${ }^{2.135}$ | Raintee Colf Couse | Raintee Goff Couse | ${ }^{36 \times 60}$ | смp | ELLIP. | 200 |  |
| ${ }^{2} .136$ | Raintee Golf Couse - outalal | Hiaus Rd. 8 s w 14.4 St | ${ }_{9}$ | смр | circ. | ${ }_{194}$ |  |
| 2.137.1 | Woodridige | FPL Access Rd. (N) of Pemborte ed. | 60 | ${ }_{\text {rcp }}$ | circ. | 51 |  |
| 2-137.2 | Woodribige | FPL Aceess Rd. (N) of Pemborke Rd. | ${ }^{60}$ | ${ }_{\text {RCP }}$ | circ. | 51 |  |

TABLE II-B-2

| BASIN S-2 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| 2-137.3 | Woodbridge | FPL Access Rd. (N) of Pembroke Rd. | 60 | RCP | CIRC. | 51 |  |
| 2-138 | Landings | SW 103rd Ave. \& SW 12th St. | 36 | PVC | CIRC. | 288 |  |
| 2-139 | Landings | (W) of Palm Ave. \& SW 11th St. | 84 | RCP | CIRC. | 316 |  |
| 2-140 | Pembroke Pines City Hall | Palm Ave. \& SW 5th St. | 24 | RCP | CIRC. | 324 |  |
| 2-141 | Residences of Miramar Lakes /Sports Park | (E) of Hiatus Rd. \& (N) of Miramar Blvd. | 48 | RCP | CIRC. | 241 |  |
| 2-160 | St. Andrews | 12106 St. Andrews Pl. | 48 | RCP | CIRC. | 193 |  |
| 2-161 | Avalon | Avalon Blvd. West \& SW 21st St. | 48 | RCP | CIRC. | 399 |  |
| 2-162 | Avalon | Avalon Blvd. East \& (S) of SW 23rd Ct. | ${ }^{8}$ | RCP | CIRC. | 248 |  |
| 2-163 | Avalon | SW 103rd Way \& SW 24th St. | 4. | RCP | CIRC. | 483 |  |
| 2-164 | Avalon | Avalon Blvd. East \& SW 23rd Ct. | 48 | RCP | CIRC. | 351 |  |
| 2-165 | Avalon | Avalon Outfall at Palm Ave. Canal | 48 | RCP | CIRC. | 75 |  |
| 2-170 | Miramar Park of Commerce | Palm Ave. (N) of S-2 Pump S ${ }^{\text {+ }}$ : ${ }^{\text {n }}$ | LAND WEIR |  |  |  | Control Structure |
| 2-171 | Miramar Park of Commerce - Phase 3 | Palm Ave. \& (S) of Miramar E d. | 60 | RCP | CIRC. | 47 |  |
| 2-174 | Sarah Park | Best Buy Lake to Wetlands Lakt | 48 | RCP | CIRC. | 426 |  |
| 2-175 | Sarah Park | Sarah Park Outf= ... 'tree | 72 | RCP | CIRC. | 737 | Control Structure |
| 2-182 | Monarch Lakes - 84" Stub-out | Flamingo $\mathrm{R}^{\prime}$, (V) of Mi, ar Pkwy. | 84 | RCP | CIRC. | 142 |  |
| 2-183 | Miramar Square Shopping Plaza - Outfall | (E) of Flan. $\quad$ Rd. ${ }^{\text {r }}$, Drwy. | 48 | RCP | CIRC. | 1858 | 2 Control Structures |
| 2-184.1 | Countyline Corporate Center | Red Rd \& Turı. | $34 \times 53$ \& 42 | RCP | VARIES | 937 |  |
| 2-184.2 | Countyline Corporate Center | dRd. a rnpikt | $34 \times 53$ \& 42 | RCP | VARIES | 937 |  |
| 2-185 | Enclave at Miramar Lakes | 2061 Renaissa Blvd. | 48 | RCP | CIRC. | 406 |  |
| 2-186 | Enclave at Miramar Lakes | ${ }^{121 \text { Renaissar }}$ Blvd. | 48 | RCP | CIRC. | 200 |  |
| 2-187 | Miramar Self Storage / FPL Easement | (E, Flam' $\quad$ Rd. (S) of Miramar Pkwy. | 48 | RCP | CIRC. | 335 |  |
| 2-188 | Miramar Business Center |  | 48 | RCP | CIRC. | 382 |  |
| 2-189 | Aviation Sales | (E) of Flamingo Rd. (S) of Miramar Pkwy. | 48 | RCP | CIRC. | 1118 |  |
| 2-190 | Waterview / MPOC Phase 4 | (E) of Palm Ave. \& Premier Pkwy. | 48 | RCP | CIRC. | 70 |  |
| 2-192 | River Run | Fairmont Ave. \& Miramar Pkwy. | 24 | CMP | CIRC. | 717 |  |
| 2-193 | Flamingo Rd. \& Miramar Pkwy. | Flamingo Rd. \& Miramar Pkwy. | 196 X 126 | CAP | ELLIP. | 180 |  |
| 2-194 | Miramar Park of Commerce - Phase 4 | Palm Ave. (N) of S-2 Pump Station | 48 | RCP | CIRC. | 169 |  |
| 2-195 | Preserve at Miramar Lakes | Preserve at Miramar Lakes | 48 \& 38 X 60 | RCP | CIRC. | 216 |  |
| 2-196 | Pines City Center - Center Pipe | (S) of COPP City Hall / F.P.L. | 54 | RCP | CIRC. | 439 |  |
| 2-197 | Pines City Center - West Pipe | (S) of Pines Blvd. \& (W) of Palm Ave. | 72 | RCP | CIRC. | 119 |  |
| 2-198.1 | C.O.M. Water Treatment Plant Access Rd. | Flamingo Rd. \& Blue Gill Rd. | 96 | RCP | CIRC. | 97 |  |

TABLE II-B-2
BASIN S-2 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2-198.2 | C.O.M. Water Treatment Plant Access Rd. | Flamingo Rd. \& Blue Gill Rd. | 96 | RCP | CIRC. | 97 |  |
| 2-198.3 | C.O.M. Water Treatment Plant Access Rd. | Flamingo Rd. \& Blue Gill Rd. | 96 | RCP | CIRC. | 97 |  |
| 2-199 | Pines City Center - East Pipe | (S) of Pines Blvd. \& (W) of Palm Ave. | 72 | RCP | CIRC. | 165 |  |
| 2-200.1 | Park Plaza | Flamingo Rd. \& (N) of Miramar Pkwy. | 96 | RCP | CIRC. | 154 |  |
| 2-200.2 | Park Plaza | Flamingo Rd. \& (N) of Miramar Pkwy. | 96 | RCP | CIRC. | 154 |  |
| 2-200.3 | Park Plaza | Flamingo Rd. \& (N) of Miramar Pkwy. | 96 | RCP | CIRC. | 154 |  |
| 2-201.1 | MPOC Phase V | (S) of Miramar Pkwy. \& (E) of Red. Rd. | 48 | RCP | CIRC. | 479 |  |
| 2-201.2 | MPOC Phase V | (S) of Miramar Pkwy. \& (E) of Red. Rd. | ${ }^{18}$ | RCP | CIRC. | 479 |  |
| 2-202 | Pines City Center - Mitigation | (E) of NW 106th Ave. \& Washington St. | 4 c | RCP | CIRC. | 52 | Control Structure |
| 2-203.1 | Modera Pembroke Pines | Palm Ave. \& SW 7th St. | 96 | RCP | CIRC. | 160 |  |
| 2-203.2 | Modera Pembroke Pines | Palm Ave. \& SW 7th St. | 96 | RCP | CIRC. | 160 |  |
| 2-204.1 | Waterview / MPOC | (E) of Palm Ave. \& Premier $\mathrm{P}^{\prime}$ | 48 | RCP | CIRC. | 16 |  |
| 2-204.2 | Waterview / MPOC | (E) of Palm Ave. \& Premier P ${ }_{\text {I }}$ | 48 | RCP | CIRC. | 16 |  |
| 2-205 | Miramar Park of Commerce - Phase 4 | Palm Ave. \& Premier Pkwy. | 48 | RCP | CIRC. | 169 |  |
| 2-207 | Cleghorn Lake |  | 48 | RCP | CIRC. | 390 |  |
|  |  |  |  |  |  |  |  |

## BASIN S-2




## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-2 PROPOSED FACILITIES MAP



## Legend



## BASIN S-2



Calvin, Giordano \& Associates, Inc.

## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-2 CONTROL STRUCTURE MAP

## Legend

$\triangle$ Control Structures
SFWMD Canal

- SBDD Pump Station
$\sum$ Water Bodies

0

## TABLE II-B-3

## BASIN S-2 CONTROL STRUCTURE SCHEDULE

| ID | Subdivision | Location | General Comments |
| :---: | :---: | :---: | :---: |
| 2-14 | COPP Charter School East | 10801 Pembroke Rd. | Over-Flow Structure |
| 2-76 | Lakeside Key | 1001 SW 100th Ter. | Over-Flow Structure |
| 2-112 | Miramar Park of Commerce | Palm Ave. \& (N) of S-2 Pump Station | Ground Weir |
| 2-170 | Miramar Park of Commerce | Palm Ave. \& (N) of S-2 Pump Station | Ground Weir |
| 2-175 | Palm Cove Elementary / Sarah Park | SW 114th Ave. \& (N) of Washington St. | Concrete Weir w/ top @ 2.7 NGVD |
| 2-183.1 | Miramar Square - (W) Outfall | Flamingo Rd. \& Miramar Pkwy. |  |
| 2-183.2 | Miramar Square - (E) Outfall | Flamingo Rd. \& Miramar Pkwy. | Over-Flow Structure w/ Bleeder @ 4.75 NGVD |
| 2-202(N) | Pines City Center - Mitigation | (E) of NW 106th Ave. \& Washington St. | Over-Flow Structure |
| 2-202(S) | Pines City Center - Mitigation | (E) of NW 106th Ave. \& Washington ${ }^{\text { }}$ | L r-Flow Structure |



BASIN S-2 STAFF GAUGE SCHEDULE

Location
Description

## BASIN S-2



Calvin, Giordano \& Associates, Inc.

## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-2 FISH GUARD MAP

GIS

## Legend

$\square$ Fish Guards
SFWMD Canal

- SBDD Pump Station

5 Water Bodies


BASIN S-2 FISH GUARD SCHEDULE
Location

| $2-6$ | Cleghorn / Montclair (N) | Montclair Blvd. \& SW 27th Ct. |
| :--- | :--- | :--- |
| $2-29$ | Waterview | SW 34th Ct. \& SW 90th Ter. |
| $2-30$ | Waterview | SW 34th Ct. \& SW 90th Ter. |
| $2-41$ | Cleghorn / Flamingo Cove | SW 116th Ave. \& SW 30th St. |
| $2-42$ | Cleghorn / Montclair (W) | SW 119th Way \& SW 28th St. |
| $2-43$ | Cleghorn / Martinique | 2784 SW 121st Ave. |
| $2-110$ | Waterview | SW 34th Ct. \& SW 90th Ter. |
| $2-171$ | Miramar Park of Commerce | Palm Ave. Canal \& S/O Miramar Blvd. |
| $2-174$ | Bed, Bath \& Beyond |  |
| $2-194$ | Miramar Park of Commerce IV - (N) Pipe Blvd. \& 114th Ave. - Behind Store |  |
| $2-205$ | Miramar Park of Commerce Phase IV Ave. \& Premier Dkwy. |  |
|  |  |  |
|  |  |  |
|  |  |  |
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|  |  |  |
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|  |  |  |

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## SOUTH BROWARD DRAINAGE DISTRICT

 BASIN: S-7 EXISTING FACILITIES MAP
## Legend

Culverts 2012SBDD Pump Station




TABLE II-B-6
BASIN S-7 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7-1 | Woodbridge | Palm Ave. \& NW 21st St. | 60 | CAP | CIRC. | 55 |  |
| 7-2 | Palm Ave. \& Taft St. | Palm Ave. \& Taft St. | 84 | CMP | CIRC. | 163 |  |
| 7-3 | Palm Ave. \& Johnson St. | Palm Ave. \& Johnson St. | 84 | CMP | CIRC. | 126 |  |
| 7-4 | Palm Ave. \& Promenade Dr. | Palm Ave. \& Promenade Dr. | 120 | CMP | CIRC. | 66 |  |
| 7-5 | Charleston in the Pines | Palm Ave. \& NW 4th St. | $12^{\circ}$ | CAP | CIRC. | 93 |  |
| 7-6.1 | Palm Ave. \& Pines Blvd. | Palm Ave. \& Pines Blvd. | $\bigcirc$ | CMP | CIRC. | 424 |  |
| 7-6.2 | Palm Ave. \& Pines Blvd. | Palm Ave. \& Pines Blvd. | , | CMP | CIRC. | 424 |  |
| 7-6.3 | Palm Ave. \& Pines Blvd. | Palm Ave. \& Pines Blvd. | 72 | CMP | CIRC. | 424 |  |
| 7-7 | Pembroke Lakes Golf Course | Lake \# 3 to Palm Ave. Canal | 48 | RCP | CIRC. | 83 |  |
| 7-8 | Pembroke Lakes Golf Course | Lake \# 3 to Johnson St. | 48 | RCP | CIRC. | 1280 |  |
| 7-27 | Normandy Lakes - Outfall | Palm Ave. \& NW 19th St. | 72 | RCP | CIRC. | 156 |  |
| 7-29 | Palm Ave. \& Taft St. | Palm Ave. \& Taft St. | 48 | RCP | CIRC. | 167 |  |
| 7-31 | Bayberry | NW 97th Ave. \& Taft St. | 60 | CMP | CIRC. | 50 |  |
| 7-32 | Rainbow Lakes | NW 95th Ave. \& Taft St. | 60 | CMP | CIRC. | 95 |  |
| 7-33 | Rainbow Lakes Villas | NW 92nd Ave. \& Taft St. | 48 | CMP | CIRC. | 90 |  |
| 7-35 | Westview | Palm Ave. \& Westview BJ- | $72 \times 60$ | CMP | ELLIP. | 473 |  |
| 7-36 | Westview | NW 99th Ave. \& Westvı Blvd. ( ${ }^{\text {- }}$ | 36 | CMP | CIRC. | 131 |  |
| 7-37 | Westview | 1416 NW 97th Terr. | 30 | CMP | CIRC. | 268 |  |
| 7-38 | East Lakes / Westview | NW 97th Ter - NW . | 72 | CMP | CIRC. | 161 |  |
| 7-39 | East Lakes | 9720 NW ${ }^{\text {dth Ct. }}$ | 60 | CMP | CIRC. | 151 |  |
| 7-40 | East Lakes | 1590 NW S Terr. | 54 | CMP | CIRC. | 133 |  |
| 7-41 | East Lakes | 1651 NW 96th | 36 | CMP | CIRC. | 441 |  |
| 7-42 | Westview | NW 92nd Ave. \& N | 48 | CMP | CIRC. | 471 |  |
| 7-43 | Westview | 1240 NW 92nd Ave. | 48 | CMP | CIRC. | 69 |  |
| 7-44 | Westview | NW 93rd Terr. \& NW 13th St. | 42 | CMP | CIRC. | 68 |  |
| 7-45 | NW 92nd Ave. \& Johnson St. | NW 92nd Ave. \& Johnson St. | 72 | CMP | CIRC. | 128 |  |
| 7-46 | Lakeside | NW 92nd Ave. \& NW 5th St. | 60 | CMP | CIRC. | 59 |  |
| 7-47 | Pine Lake | 176 NW 92nd Ave. | 30 | CMP | CIRC. | 44 |  |
| 7-48 | East Flair | NW 98th Ave. \& NW 2nd St. | 84 | CMP | CIRC. | 79 |  |
| 7-49 | North Flair | NW 98th Ave. \& NW 4th St. | 48 | CMP | CIRC. | 89 |  |
| 7-51 | Flair Lake - Outfall | Palm Ave. \& NW 2nd St. | 72 | CMP | CIRC. | 133 |  |
| 7-52 | Palm Place - Outfall to Palm Ave. | Palm Ave. \& (N) of Promenade Dr. | 30 | CMP | CIRC. | 296 |  |

TABLE II-B-6

## BASIN S-7 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7-53 | Cedarwoods - Main Entrance | Cedarwoods Ave. \& Taft St. | 96 | CMP | CIRC. | 85 |  |
| 7-54 | Pembroke Lakes | Hiatus Rd. \& NW 23rd St. | 96 | CMP | CIRC. | 142 |  |
| 7-55 | Pembroke Lakes | NW 118th Ave. \& NW 22nd St. | 48 | CMP | CIRC. | 94 |  |
| 7-56 | Pembroke Lakes | NW 113th Ave. \& Taft St. | 96 | CMP | CIRC. | 143 |  |
| 7-57.1 | Old SBDD Headquarters | 1601 Flamingo Rd. | 45 | RCP/STEEL | CIRC. | 274 |  |
| 7-57.2 | Old SBDD Headquarters | 1601 Flamingo Rd. | +8 | RCP/STEEL | CIRC. | 274 |  |
| 7-57.3 | Old SBDD Headquarters | 1601 Flamingo Rd. |  | RCP/STEEL | CIRC. | 274 |  |
| 7-57.4 | Old SBDD Headquarters | 1601 Flamingo Rd. | 48 | RCP/STEEL | CIRC. | 274 |  |
| 7-58 | Memorial Hospital West | Memorial Hospital West | 60 | CMP/RCP | CIRC. | 1523 |  |
| 7-59 | Pembroke Lakes Mall / Johnson St. | NW 114th Ave. \& Johnson St. | 96 | RCP | CIRC. | 178 |  |
| 7-60 | Hiatus Rd. \& NW 12th St. | Hiatus Rd. \& NW 12th St. | 48 | CMP | CIRC. | 147 |  |
| 7-61 | Hiatus Rd. \& Johnson St. | Hiatus Rd. \& Johnson St. | 96 | CMP | CIRC. | 144 |  |
| 7-62 | Pembroke Lakes Golf Course | Lake \# 2 to Johnson St. Canal | 48 | CMP | CIRC. | 154 |  |
| 7-63 | Pembroke Lakes Golf Course | Lake \# 2 to Lake \# 9 | 48 | RCP | CIRC. | 193 |  |
| 7-64 | Pembroke Lakes Golf Course | Lake \# 1 to Lake \# 9 | 42 | CMP | CIRC. | 153 |  |
| 7-65 | Pembroke Lakes Golf Course | Lake \# 4 to West Lake | 66 | RCP | CIRC. | 33 |  |
| 7-66 | Pembroke Lakes Golf Course | Pembroke Lakes Golf Cl | 48 | RCP | CIRC. | 97 |  |
| 7-68 | Pembroke Lakes G.C. / Johnson St. | Johnson St. Canal | 84 | CMP | CIRC. | 18 |  |
| 7-69 | Fairview Apartments | NW 107th A $\times$ Johı. St. Cá. | 72 | CMP | CIRC. | 33 |  |
| 7-70 | Southbridge | NW 107+ ${ }^{+}$เve. \& Johnson | 60 | CMP | CIRC. | 161 |  |
| 7-71 | Southbridge | 350 NW 16, Terr. | 48 | CMP | CIRC. | 238 |  |
| 7-72 | Focal Point Senior Center / K-Mart | 301 NW 103rd ${ }_{\text {t }}$ | 60 \& 36 | RCP | CIRC. | 1566 | 2 Control Structures |
| 7-167 | Fountains Exexcutive Center | 9000 Sheridan St. | 24 | CMP | CIRC. | 101 |  |
| 7-168 | COPP - Flamingo Park | (E) of Flamingo Rd. \& (S) of Sheridan St. | 48 | CAP | CIRC. | 57 |  |
| 7-169 | Green Key / La Via | NW 96th Ave. \& NW 2nd St. | 48 | RCP / CAP | CIRC. | 183 |  |
| 7-176 | Pembroke Lakes Golf Course | Lake \# 8 to Palm Ave. Canal | 48 | CMP | CIRC. | 48 |  |
| 7-177 | Charleston in the Pines | NW 102nd Ave. \& NW 6th St. | 18 | PVC | CIRC. | 897 |  |
| 7-178 | Charleston in the Pines | Palm Ave. \& NW 4th St. | 15 | PVC | CIRC. | 236 |  |
| 7-179 | Portraits / Images | 501 NW 107th Ave. | 48 | RCP | CIRC. | 1009 |  |
| 7-180 | Portofino / Pembroke Lakes Square | NW 108th Ave. \& NW 2nd Ct. | 24 \& 36 | RCP | CIRC. | 1494 | Control Structure |
| 7-197 | Sheridan St. Canal West | Sheridan St. \& NW 94th Ave. | 36 | CMP | CIRC. | 196 |  |
| 7-199 | St. Maximillian Kolbe Catholic Church | St. Maximillian Kolbe Catholic Church | 15 | CMP | CIRC. | 180 |  |

L-S NIS甘G

| ID | Location | General Comments |  |
| :--- | :--- | :--- | :--- |
| $7-72.1$ | K-mart Shopping Center - Outfall | Pines Blvd. \& Palm Ave. | Weir w/ 3" Bleeder @ 2.7 NGVD |
| $7-72.2$ | Southwest Focal Point Senior Center | 301 NW 103rd Ave. | Weir @ 5.10 NGVD |
| $7-180.1$ | Portofino Apartments | 101 NW 108th Terrace - Bldg. \# 150 | Bubble-Up |
| $7-180.2$ | Pembroke Lakes Square | 11005 Pines Blvd. |  |

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Calvin, Giordano \& Associates, Inc.
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-7 STAFF GAUGE MAP

## Legend

$\diamond$ Staff Gauge
$\sim \sim$ SFWMD Canal
$\sum$ Water Bodies


## BASIN S-7 STAFF GAUGE SCHEDULE

ID Subdivision Location Description

| 2 | Cedarwoods | Palm Ave. Canal \& (N) of Taft St. | Water Level Recorder |
| :---: | :--- | :--- | :--- |
| 4 | Westview | 1245 NW 92nd Ave. |  |
| 5 | Bayberry | Taft St. \& NW 97th Ave. |  |
| 73 | Pembroke Lakes \# 4 | NW 114th Ave. \& Johnson St. |  |

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BASIN S-7 FISH GUARD SCHEDULE

Johnson St. \& W/O Hiatus Rd.


Calvin, Giordano $\&$ Associates, Inc
SOUTH BROWARD DRAINAGE DISTRICT
GIS
(1)

## Legend

Culverts 2012SBDD Pump Station



TABLE II-B-10
BASIN S-13 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13-1 | C.B. Smith Park - Outfall | Flamingo Rd. \& NW 2nd St. | 12 | STEEL | CIRC. | 130 |  |
| 13-2 | C.B. Smith Park | RV Campground | 148 | CAP | CIRC. | 63 |  |
| 13-3 | C.B. Smith Park | Concert Green | $184 \times 120$ | CAP | ARCH | 87 |  |
| 13-4 | C.B. Smith Park | (W) of Flamingo Rd. \& (S) of Taft St. | $156 \times 132$ | CAP | ARCH | 64 |  |
| 13-14 | SFWMD Structure G-87 | Flamingo Rd. \& Sheridan St. | 84 | CMP | CIRC. | 230 | SFWMD G-57 Flood Gate |
| 13-15 | Flamingo Falls - (N) Entrance | Flamingo Rd. \& NW 21st St. | 96 | RCP | CIRC. | 130 |  |
| 13-16 | Flamingo Falls - (S) Entrance | Flamingo Rd. \& NW 20th St. |  | RCP | CIRC. | 137 |  |
| 13-17 | Flamingo Rd. \& Taft St. | Flamingo Rd. \& Taft St. | 96 | RCP | CIRC. | 208 |  |
| 13-18.1 | C.B. Smith Park | Flamingo Rd. \& Johnson St. | 72 | $\checkmark$ | CIRC. | 122 |  |
| 13-18.2 | C.B. Smith Park | Flamingo Rd. \& Johnson St. |  | RCP | CIRC. | 122 |  |
| 13-18.3 | C.B. Smith Park | Flamingo Rd. \& Johnson St. | 72 | RCP | CIRC. | 122 |  |
| 13-20.1 | Flamingo Rd. \& Pines Blvd. | Flamingo Rd. \& Pines Blvd. | 60 | CMP | CIRC. | 203 |  |
| 13-20.2 | Flamingo Rd. \& Pines Blvd. | Flamingo Rd. \& Pines Blvd. |  | CMP | CIRC. | 203 |  |
| 13-20.3 | Flamingo Rd. \& Pines Blvd. | Flamingo Rd. \& Pines Blvd. | 96 | CMP | CIRC. | 203 |  |
| 13-142 | Pembroke Falls - Outfall | NW 125th Ave. \& NW 20 ${ }^{\text {² }}$ | 96 | RCP | CIRC. | 1050 | Control Structure |
| 13-143 | Pembroke Falls | NW 130th Ave. \& NV ${ }^{\text {c }}$ sth Ct. | 72 | RCP | CIRC. | 184 |  |
| 13-144 | Pembroke Falls | NW 129th Ave. \& . | 72 | RCP | CIRC. | 216 |  |
| 13-145 | Pembroke Falls | NW 135th Ave. \& NW - , | 48 | RCP | CIRC. | 237 |  |
| 13-146 | Pembroke Falls | NW 137+' , ve. \& ${ }^{\text {r }}$ 20th . | 48 | RCP | CIRC. | 264 |  |
| 13-147 | Pembroke Falls | NW sth Ave. \& NW th St. | 72 | RCP | CIRC. | 260 |  |
| 13-148 | Pembroke Falls | NW 1- Ave. \& NW 1 a Ct. | 60 | RCP | CIRC. | 242 |  |
| 13-149 | Pembroke Falls | NW 136th . \& NW <th St. | 48 | RCP | CIRC. | 241 |  |
| 13-150 | Pembroke Falls | NW 133rd Ave. $N$ 11th St. | 48 | RCP | CIRC. | 620 |  |
| 13-151 | Pembroke Falls | NW 136th Ave. \& NW 5th St. | 48 | RCP | CIRC. | 600 |  |
| 13-152 | Pembroke Falls | NW 140th Ave. \& NW 10th St. | 54 | RCP | CIRC. | 240 |  |
| 13-153 | Pembroke Falls | NW 142nd Ave. \& NW 10th St. | 54 | RCP | CIRC. | 242 |  |
| 13-154 | Pembroke Falls | NW 142nd Ave. \& NW 15th St. | 48 | RCP | CIRC. | 269 |  |
| 13-155 | Pembroke Falls | NW 138th Ave. \& Taft St. | 60 | RCP | CIRC. | 336 |  |
| 13-156 | Pembroke Falls | NW 142nd Ave. \& NW 20th St. | 48 | RCP | CIRC. | 194 |  |
| 13-159 | Pembroke Cove | NW 135th Ave. \& NW 5th St. | 48 | RCP | CIRC. | 504 |  |
| 13-160 | C.B. Smith Park | Flamingo Rd. \& Johnson St. | BRIDGE |  |  |  |  |
| 13-161 | C.B. Smith Park | Flamingo Rd. \& Johnson St. | BRIDGE |  |  |  |  |

TABLE II-B-10
BASIN S-13 EXISTING CULVERT SCHEDULE


Size
Material
Shape
Length
General Comments

| 13-162 | C.B. Smith Park | Flamingo Rd. \& Johnson St. | BRIDGE |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13-163 | C.B. Smith Park | Flamingo Rd. \& Johnson St. | BRIDGE |  |  |  |  |
| 13-164 | C.B. Smith Park | Flamingo Rd. \& Johnson St. | BRIDGE |  |  |  |  |
| 13-165 | C.B. Smith Park | Flamingo Rd. \& Johnson St. | BRIDGE |  |  |  |  |
| 13-166 | C.B. Smith Park | Flamingo Rd. \& Johnson St. | BRIDGE |  |  |  |  |
| 13-191 | Pembroke Falls | NW 129th Ave. \& NW 14th St. | 54 \& 3 f | RCP | CIRC. | 242 |  |
|  |  |  |  |  |  |  |  |


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SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-13 FLOOD GATE MAP

## Legend

- Flood Gate
$\sim \sim$ SFWMD Canal
$\sum$ Water Bodies


TABLE II-B-11
BASIN S-13 FLOOD GATE SCHEDULE



SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-13 CONTROL STRUCTURE MAP

## Legend

$\triangle$ Control Structures
$\sim \sim$ SFWMD Canal

- SBDD Pump Station
$\leqslant$ Water Bodies



Calvin, Giordano \& Associates, Inc.
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-13 STAFF GAUGE MAP


TABLE II-B-13
BASIN S-13 STAFF GAUGE SCHEDULE
ID



BASIN 2
NODAL DIAGRAM

## LEGEND

basin boundary




## BASINS S-2, S-7 \& S-13

# BASIN MAXIMUM STAGE R ${ }^{\boldsymbol{\Gamma}}$.PORT 

10-YEAR, 3-DA ${ }^{*}$ STORM<br>100-YEAR, 3-DA . ' IORM

SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13 MAX STAGE REPORT


SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13 MAX STAGE REPORT

| Name | Group | Simulation | $\begin{array}{r} \text { Max Time } \\ \text { Stage } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Max Stage ft | Delta <br> Stage <br> ft | $\begin{array}{r} \text { Max } \begin{array}{r} \text { Surf } \\ \text { Area } \\ \text { ft2 } \end{array}, ~ \end{array}$ | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1FOX4 | BASE | 100Y-72H | 62.731 | 5.90 | 8.00 | 0.042 | 80935 | 0.000 | 1363.21 | 62.757 | 268.84 |
| 1FOX4 | BASE | 10Y-72H | 63.240 | 4.69 | 8.00 | 0.042 | 74932 | 0.000 | 1363.21 | 61.533 | 181.32 |
| 1101 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 61.830 | 5.94 | 7.50 | 0.000 | 606233 | 60.167 | 247.67 | 60.568 | 53.26 |
| 1101 | BASE | 10Y-72H | 61.354 | 4.91 | 7.50 | 0.000 | 316070 | 60.167 | 151.87 | 60.669 | 46.82 |
| 1103 | BASE | $100 Y-72 \mathrm{H}$ | 72.000 | 5.88 | 7.50 | 0.000 | 438658 | 60.303 | 100.03 | 60.784 | 36.05 |
| 1103 | BASE | 10Y-72H | 72.000 | 4.84 | 7.50 | 0.000 | 28059? | 60.375 | 68.61 | 60.997 | 34.65 |
| 1105 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 5.88 | 7.50 | 0.000 | 266. 9 | 50.000 | 424.81 | 60.024 | 18.82 |
| 1105 | BASE | 10Y-72H | 72.000 | 4.84 | 7.50 | 0.000 | 18. . 043 | $\bigcirc .000$ | 262.95 | 60.008 | 13.00 |
| 1107 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 5.86 | 7.50 | 0.000 | -877384 | 60.7 | 473.72 | 60.171 | 46.23 |
| 1107 | BASE | 10Y-72H | 72.000 | 4.83 | 7.50 | 0.00 r | 2051708 | 60.0 | 294.69 | 60.124 | 36.13 |
| 1109 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.071 | 5.82 | 7.50 | $0 \cdot 0$ | 532 | 60.194 | 26.56 | 60.029 | 17.04 |
| 1109 | BASE | 10Y-72H | 72.024 | 4.80 | 7.50 | 0.1 | , 911 | 60.123 | 20.46 | 60.038 | 14.29 |
| 1111 | BASE | 100Y-72H | 72.071 | 5.82 | 7.50 | 0.000 | 54674 | 60.029 | 17.04 | 68.875 | 13.65 |
| 1111 | BASE | 10Y-72H | 72.024 | 4.80 | 7.5 | 0.000 | -3847 | 60.038 | 14.29 | 85.000 | 11.89 |
| 1 J 10 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.116 | 5.81 | 7.5 |  | 141. 1 | 60.167 | 85.64 | 64.441 | 8.13 |
| 1 J 10 | BASE | 10Y-72H | 72.000 | 4.79 | 7.50 | 0.1 | - 112554 | 60.167 | 45.01 | 63.520 | 7.23 |
| 1 J 11 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.164 | 5.79 | 7.50 | . 000 | 42943 | 64.046 | 27.74 | 64.076 | 26.56 |
| 1 J 11 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.033 | 4.7 | 7.50 | 0.000 | 41082 | 63.255 | 22.37 | 63.285 | 21.27 |
| 1 J 12 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.166 | . 79 | . 50 | . 000 | 43032 | 64.019 | 28.94 | 64.046 | 27.74 |
| 1 J 12 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.035 | 4.77 | 7.50 | . 000 | 41171 | 63.223 | 23.48 | 63.255 | 22.37 |
| 1 J 13 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.186 | 77 | 7.50 | 0.000 | 35233 | 63.989 | 29.95 | 64.019 | 28.94 |
| 1 J 13 | BASE | 10Y-72H | 72.048 | 4. | 7.50 | 0.000 | 34097 | 63.188 | 24.43 | 63.223 | 23.48 |
| 1 J 14 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | $7{ }^{7} .86$ | 5.77 | 7.50 | 0.000 | 1798036 | 60.551 | 152.51 | 63.989 | 29.95 |
| 1 J 14 | BASE | 10Y-72H | . 049 | 76 | 7.50 | 0.000 | 1034426 | 60.513 | 96.19 | 63.188 | 24.43 |
| IJ15 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ |  |  | 7.50 | 0.000 | 59367 | 61.442 | 79.84 | 61.491 | 73.30 |
| 1 J15 | BASE | 10Y-72H | 032 | 4 ; | 7.50 | 0.000 | 55439 | 61.286 | 46.47 | 61.335 | 41.86 |
| 1 J 16 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.1 | 77 | 7.50 | 0.000 | 33352 | 0.000 | 0.00 | 64.482 |  |
| 1 J16 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.01 , | 4.75 | 7.50 | 0.000 | 31678 | 0.000 | 0.00 | 56.115 | 4.12 |
| 1 K 01 | BASE | $100 Y-72 \mathrm{H}$ | 65.460 | 5.94 | 7.50 | 0.000 | 1133618 | 60.471 | 200.96 | 60.720 | 32.62 |
| $1 \mathrm{K01}$ | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 64.067 | 4.91 | 7.50 | 0.000 | 595188 | 60.500 | 123.70 | 61.871 | 30.37 |
| 1 K 02 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 5.78 | 7.50 | 0.000 | 2372484 | 60.500 | 375.16 | 74.503 | 68.89 |
| 1 K 02 | BASE | 10Y-72H | 72.000 | 4.74 | 7.50 | 0.000 | 1333084 | 60.500 | 198.09 | 81.027 | 68.93 |
| 1 K 03 | BASE | 100Y-72H | 72.000 | 5.71 | 7.50 | 0.000 | 640285 | 60.500 | 123.56 | 60.841 | 28.42 |
| 1K03 | BASE | 10Y-72H | 72.000 | 4.67 | 7.50 | 0.000 | 299059 | 60.500 | 67.78 | 61.143 | 20.41 |
| 1K04 | BASE | 100Y-72H | 72.000 | 5.70 | 7.50 | 0.000 | 5837772 | 60.417 | 1117.18 | 66.914 | 166.93 |

SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13 MAX STAGE REPORT

$$
\text { TABLE II-B- } 14
$$

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | $\begin{gathered} \text { Warning Max } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Delta <br> Stage <br> ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{gathered} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1K04 | BASE | 10Y-72H | 72.000 | 4.66 | 7.50 | 0.000 | 4468431 | 60.417 | 674.90 | 72.621 | 158.48 |
| 1K05 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 64.616 | 5.99 | 7.50 | 0.000 | 782972 | 60.083 | 259.32 | 60.379 | 51.12 |
| 1K05 | BASE | 10Y-72H | 64.019 | 4.94 | 7.50 | 0.000 | 404271 | 60.083 | 159.27 | 60.473 | 43.53 |
| 1L01 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 74.620 | 5.87 | 7.50 | 0.000 | 44430 | 60.264 | 49.87 | 60.240 | 42.16 |
| 1L01 | BASE | 10Y-72H | 72.000 | 4.85 | 7.50 | 0.000 | 41132 | 0.202 | 33.89 | 60.184 | 29.26 |
| 1L02 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 74.623 | 5.87 | 7.50 | 0.000 | $176321^{\text {a }}$ | 60.417 | 223.02 | 74.012 | 17.30 |
| 1L02 | BASE | 10Y-72H | 72.000 | 4.85 | 7.50 | 0.000 | 11044 | 60.000 | 125.16 | 67.599 | 14.28 |
| 1L03 | BASE | 100Y-72H | 75.009 | 5.86 | 7.50 | 0.000 | - 162 | '. 012 | 17.30 | 66.010 | 12.59 |
| 1 LO | BASE | 10Y-72H | 72.004 | 4.85 | 7.50 | 0.000 | 33408 | $\checkmark \quad 99$ | 14.28 | 66.697 | 13.14 |
| 1L04 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 61.829 | 6.29 | 7.50 | $0.00{ }^{\text {r }}$ | 468609 | 60.0 | 181.67 | 60.597 | 26.12 |
| 1L04 | BASE | 10Y-72H | 61.393 | 5.29 | 7.50 | 0.6 | 245920 | 60.083 | 112.82 | 60.753 | 23.93 |
| 1L05 | BASE | 100Y-72H | 75.011 | 5.86 | 7.50 | 0.1 | ر594 | 66.010 | 26.88 | 66.449 | 49.40 |
| 1L05 | BASE | 10Y-72H | 72.005 | 4.85 | 7.50 | 0.00 , | 68334 | 62.574 | 19.03 | 71.266 | 31.92 |
| 1L06 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 75.009 | 5.86 | 7.5 | 0.000 | 77748 | 60.000 | 322.66 | 62.702 | 32.28 |
| 1 L 06 | BASE | 10Y-72H | 72.000 | 4.85 | 7. | $\bigcirc .000$ | 1. 755 | 60.000 | 199.69 | 62.159 | 21.74 |
| 1L07 | BASE | 100Y-72H | 75.006 | 5.86 | 7.50 | 0.1 | 2.35133 | 59.720 | 40.16 | 62.871 | 25.23 |
| 1L07 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.005 | 4.85 | 7.50 | C 30 | +9046 | 59.708 | 25.48 | 85.000 | 21.51 |
| 1L08 | BASE | 100Y-72H | 74.267 | 5.9 | 7.50 | 0.000 | 346382 | 60.000 | 93.64 | 60.270 | 26.54 |
| 1L08 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.000 |  | 7.50 | 0.000 | 197464 | 60.000 | 53.23 | 60.181 | 17.67 |
| 1L09 | BASE | 100Y-72H | 74.276 | 5.85 | 7.50 | . 000 | 45421 | 59.706 | 25.37 | 62.863 | 21.30 |
| 1L09 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | . 84 |  | 0.000 | 44629 | 85.000 | 22.29 | 85.000 | 22.47 |
| 1 L 10 | BASE | 100Y-72H | 74.267 | 5. | 7.50 | 0.000 | 829999 | 60.083 | 148.93 | 80.000 |  |
| 1L10 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72. | 4.8 | 7.50 | 0.000 | 562646 | 60.083 | 85.86 | 85.000 | 24.68 |
| 1L11 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | . 086 | 83 | 7.50 | 0.000 | 323666 | 60.118 | 42.62 | 80.000 | 22.30 |
| 1 L 11 | BASE | 10Y-72H | 12.026 | - '1 | 7.50 | 0.000 | 249570 | 85.000 | 24.68 | 85.000 | 25.82 |
| 1L16 | BASE | 100Y-72H | 998 |  | 7.50 | 0.000 | 297452 | 60.000 | 109.85 | 60.430 |  |
| 1L16 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 74. | $\triangle 5$ | 7.50 | 0.000 | 198166 | 60.000 | 67.29 | 60.418 | 17.11 |
| 1M06 | BASE | 100Y-72H | 72.00 | 0.94 | 7.50 | 0.000 | 1038918 | 60.500 | 214.09 | 61.693 | 30.97 |
| 1M06 | BASE | 10Y-72H | 64.241 | 4.87 | 7.50 | 0.000 | 658278 | 60.500 | 130.15 | 61.640 | 25.21 |
| $1 \mathrm{M07}$ | BASE | 100Y-72H | 72.000 | 5.90 | 7.50 | 0.000 | 1099179 | 60.000 | 309.68 | 60.707 | 36.97 |
| 1M07 | BASE | 10Y-72H | 71.777 | 4.84 | 7.50 | 0.000 | 996064 | 60.000 | 204.33 | 60.674 | 29.40 |
| 1 m 08 | BASE | 100Y-72H | 72.000 | 5.80 | 7.50 | 0.000 | 888763 | 60.000 | 198.67 | 60.215 | 59.29 |
| $1 \mathrm{M08}$ | BASE | 10Y-72H | 72.000 | 4.78 | 7.50 | 0.000 | 708843 | 60.000 | 128.44 | 60.165 | 42.32 |
| 1M13 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 5.90 | 7.50 | 0.000 | 224563 | 60.083 | 104.36 | 60.663 | 28.38 |
| 1M13 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 60.857 | 4.85 | 7.50 | 0.000 | 108907 | 60.083 | 63.35 | 60.589 | 24.94 |

SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13 MAX STAGE REPORT


SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13 MAX STAGE REPORT


SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13 MAX STAGE REPORT ABLE II-B-1

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Max Stage ft | Delta Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2015 | BASE | 10Y-72H | 74.610 | 4.97 | 7.50 | 0.000 | 111717 | 60.000 | 15.97 | 66.799 | 1.61 |
| 2016 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.002 | 5.80 | 7.50 | 0.000 | 146712 | 61.329 | 31.01 | 61.728 | 19.49 |
| 2016 | BASE | 10Y-72H | 76.837 | 4.93 | 7.50 | 0.000 | 96286 | 60.000 | 10.22 | 74.145 | 1.31 |
| 2017 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 5.80 | 7.50 | 0.000 | 60343 | 61.728 | 21.11. | 61.783 | 18.93 |
| 2017 | BASE | 10Y-72H | 78.747 | 4.90 | 7.50 | 0.000 | 39426 | . 000 | 2.22 | 74.208 | 1.28 |
| 2018 | BASE | 100Y-72H | 72.000 | 5.80 | 7.50 | 0.000 | 139104 | 60.000 | 52.29 | 62.100 | 20.93 |
| 2018 | BASE | 10Y-72H | 80.050 | 4.88 | 7.50 | 0.000 | $798{ }^{\circ}$ | 60.000 | 29.86 | 60.322 | 4.41 |
| 2019 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 5.80 | 7.50 | 0.000 | y $\pm 72$ | 093 | 22.83 | 62.391 | 20.72 |
| 2019 | BASE | 10Y-72H | 81.608 | 4.85 | 7.50 | 0.000 | 50556 | 640 | 9.89 | 60.977 | 2.17 |
| 2020 | BASE | 100Y-72H | 72.002 | 5.80 | 7.50 | 0.00 r | 259246 | 60.00 | 37.10 | 63.927 | 18.08 |
| 2020 | BASE | 10Y-72H | 83.272 | 4.81 | 7.50 | 0.0 | $164 .{ }^{\circ} 0$ | 60.000 | 18.24 | 83.692 | 1.12 |
| 2021 | BASE | 100Y-72H | 72.002 | 5.80 | 7.50 | 0.0 | . 067 | 60.000 | 29.42 | 60.240 | 1.46 |
| 2021 | BASE | 10Y-72H. | 82.916 | 4.78 | 7.50 | 0.000 | J6928 | 60.000 | 13.97 | 5.356 | 0.02 |
| 2022 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.005 | 5.80 | $7.5{ }^{\text {r }}$ | 0.000 | 5678 | 60.000 | 15.33 | 66.114 | 0.15 |
| 2022 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 82.914 | 4.78 | 7.5 | - 000 | 62 | 60.000 | 7.70 | 5.348 | 0.02 |
| 2023 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.010 | 5.80 | 7.50 | 0.0 | ᄀ 45556 | 60.000 | 37.62 | 66.118 | 14.40 |
| 2023 | BASE | 10Y-72H | 72.830 | 4.77 | 7.50 | 0 Jo | -6615 | 60.000 | 19.14 | 85.000 | 1.54 |
| 2024 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.016 | 5.8 | 7.50 | 0.000 | 146668 | 60.000 | 18.68 | 66.027 | 8.98 |
| 2024 | BASE | 10Y-72H | 72.367 |  | . 50 | 1.000 | 91996 | 60.000 | 8.60 | 85.000 | 1.77 |
| 2025 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.017 | , .80 | 150 | 000 | 43416 | 66.027 | 9.28 | 66.410 | 5.36 |
| 2025 | BASE | 10Y-72H | 72.000 | 78 |  | 0.000 | 27102 | 85.000 | 1.77 | 85.000 | 1.90 |
| 2R04 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 60.884 | 6. | 8.00 | -0.033 | 277444 | 60.083 | 119.28 | 60.101 | 58.81 |
| 2R04 | BASE | 10Y-72H | 60. | $5.3{ }^{\circ}$ | 8.00 | -0.033 | 40082 | 60.083 | 72.40 | 60.302 | 45.43 |
| 2R05 | BASE | 100Y-72H | . 129 | 76 | 8.00 | 0.000 | 108305 | 60.000 | 61.66 | 60.124 | 16.08 |
| 2R05 | BASE | 10Y-72H | 21.074 | 5 ) | 8.00 | 0.000 | 54606 | 60.000 | 38.37 | 60.187 | 13.86 |
| 2R06 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | ¢ ${ }^{4} 9$ | 5. | 8.00 | 0.000 | 156716 | 60.000 | 83.52 | 63.987 | 14.67 |
| 2R06 | BASE | 10Y-72H | 61. ${ }^{\text {2 }}$ |  | 8.00 | 0.000 | 101503 | 60.000 | 54.47 | 62.869 | 12.21 |
| 2R07 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 61.800 | 3.84 | 8.00 | 0.000 | 191355 | 60.083 | 97.13 | 62.792 | 24.84 |
| 2R07 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 61.287 | 4.85 | 8.00 | 0.000 | 104792 | 60.083 | 61.39 | 60.619 | 23.52 |
| 2R08 | BASE | 100Y-72H | 61.653 | 5.54 | 8.00 | 0.000 | 198517 | 60.083 | 125.78 | 60.286 | 49.10 |
| 2R08 | BASE | 10Y-72H | 61.366 | 4.58 | 8.00 | 0.000 | 130315 | 60.083 | 84.25 | 60.733 | 42.23 |
| 2R09 | BASE | 100Y-72H | 72.000 | 5.46 | 8.00 | 0.000 | 340705 | 60.167 | 173.35 | 60.941 | 79.33 |
| 2R09 | BASE | 10Y-72H | 72.000 | 4.41 | 8.00 | 0.000 | 235258 | 60.167 | 116.05 | 60.886 | 65.27 |
| 2R10 | BASE | 100Y-72H | 72.000 | 5.43 | 8.00 | -0.000 | 162392 | 60.167 | 131.53 | 60.236 | 112.01 |
| 2R10 | BASE | 10Y-72H | 72.000 | 4.40 | 8.00 | -0.000 | 113653 | 60.167 | 94.09 | 60.256 | 84.31 |

SOUTH BROWARD DRAINAGE DISTRICT
BASINS $\mathrm{S}-2, \mathrm{~S}-7$ AND $\mathrm{S}-13$ MAX STAGE REPORT


SOUTH BROWARD DRAINAGE DTSTRICT
BASINS $\mathrm{S}-2, \mathrm{~S}-7$ AND $\cdot \mathrm{S}-13$ MAX STAGE REPORT

| Name | Group | Simulation | Max Time hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft |  | Delta Stage ft |  | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | Inflow cfs | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3007 | BASE | 100Y-72H | 72.000 | 5.83 | 7.50 |  | 0.000 | 680732. | 60.000 | 235.81 | 60.525 | 50.19 |
| 3007 | BASE | 10Y-72H | 72.000 | 4.82 | 7.50 |  | 0.000 | 505262 | 60.000 | 148.02 | 60.505 | 37.22 |
| 3010 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 6.06 | 7.50 |  | 0.000 | 851958 | 60.000 | 146.27 | 74.665 | 3.91 |
| 3010 | BASE | 10Y-72H | 68.752 | 5.01 | 7.50 | . | 0.000 | 453735 | 60.000 | 79.41 | 73.058 | 3.48 |
| 3011 | BASE | 100Y-72H | 72.000 | 6.05 | 7.50 |  | 0.000 | 352571 | 60.000 | 125.07 | 60.242 | 19.74 |
| 3011 | BASE | 10Y-72H | 68.428 | 5.00 | 7.50 |  | 0.000 | $17955^{\prime}$ | 60.000 | 72.69 | 60.264 | 15.44 |
| 4 J 20 | BASE | 100Y-72H | 72.000 | 5.81 | 7.50 |  | 0.000 | $6{ }^{5} 42$ | 0.083 | 162.89 | 60.464 |  |
| 4 J20 | BASE | 10Y-72H | 72.000 | 4.79 | 7.50 |  | 0.000 | 40.533 | 083 | $\begin{array}{r}162.89 \\ \hline 9.65\end{array}$ | 60.415 | 38.35 |
| 4 J 21 | BASE | 100Y-72H | 72.000 | 5.81 | 7.50 |  | 0.000 | 567566 | 60. | 124.60 | 60.966 | 15.28 |
| 4J21 | BASE | 10Y-72H | 72.000 | 4.79 | 7.50 |  | 0.00 | 385686 | 60.08 | 70.87 | 60.804 | 13.00 |
| 4 J 22 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 5.81 | 7.50 |  | 0.7 | $4^{r}$, 48 | 60.167 | 97.60 | 60.967 | 11.93 |
| 4 J 22 | BASE | 10Y-72H | 72.000 | 4.79 | 7.50 |  | 0.6 | . 3898 | 60.083 | 54.19 | 60.792 | 10.21 |
| 4009 | BASE | 100Y-72H | 64.497 | 6.55 | 7.50 |  | 0.000 | 588914 | 60.417 | 227.15 | 60.688 | 30.73 |
| 4009 | BASE | 10Y-72H | 63.009 | 5.89 | 7.5 |  | 0.000 | $\checkmark 912$ | 60.417 | 125.03 | 61.367 | 31.41 |
| AVALON | BASE | 100Y-72H | 72.000 | 6.47 | 7.51 |  | $\checkmark$. | $316<21$ | 60.167 | 772.66 | 60.770 |  |
| AVALON | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 64.542 | 5.57 | 7.50 |  | 0. | -97538 | 60.167 | 501.42 | 61.682 | 48.93 |
| CCH | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 61.738 | 7.94 | 9.00 |  | . 001 | 149373 | 60.333 | 41.02 | 61.510 | 13.83 |
| CCH | BASE | 10Y-72H | 62.958 | 7. | 9.00 |  | -0.001 | 138956 | 60.333 | 26.01 | 62.958 | 13.83 3.82 |
| CONN | BASE | 100Y-72H | 61.089 | . 29 | 3.50 |  | . 130 | 174 | 0.002 | 65.23 | 0.000 |  |
| CONN | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 60.638 | 5.09 | ᄃ 5n |  | - . 121 | 174 | 0.002 | 65.23 | 0.000 | 116.66 |
| FAM | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 64.962 |  | 8.00 |  | -0.063 | 391218 | 60.250 | 64.69 | 0.000 | 53.09 |
| FAM | BASE | 10Y-72H | 62.870 |  | 8.00 |  | -0.063 | 252576 | 60.250 | 37.63 | 0.000 | 53.09 |
| FU01 | BASE | 100Y-72H | 7.277 | . 30 | 7.50 |  | 0.000 | 8744 | 0.000 | 0.00 | 43.224 |  |
| FU01 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 4.000 | 24 | 7.50 |  | 0.000 | 8744 | 0.000 | 0.00 | 0.833 | 1.42 |
| FU02 | BASE | 100Y-72H | '. 277 | 5. ) | 7.50 |  | 0.000 | 392939 | 60.000 | 116.03 | 60.004 | 54.80 |
| FU02 | BASE | 10Y-72H | 100 | 41 | 7.50 |  | 0.000 | 342639 | 60.000 | 70.76 | 60.002 | 31.59 |
| Fu03 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 78.2 | . 29 | 7.50 |  | 0.000 | 8786 | 60.004 | 54.80 |  | 53.22 |
| FU03 | BASE | 10Y-72H | 72.00」 | 4.23 | 7.50 |  | 0.000 | 8786 | 60.002 | 31.59 | 60.005 | 30.51 |
| FU04 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 78.204 | 5.27 | 7.50 |  | -0.000 | 107814 | 62.560 | 226.38 | 62.750 |  |
| FU04 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 4.22 | 7.50 |  | -0.000 | 104309 | 63.761 | 172.05 | 64.011 | 170.27 |
| FU05 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 78.207 | 5.27 | 7.50 |  | 0.000 | 692794 | 60.000 | 267.36 | 64.000 | 199.05 |
| FU05 | BASE | 10Y-72H | 72.000 | 4.22 | 7.50 |  | 0.000 | 615454 | 64.000 | 174.01 | 69.193 | 167.00 |
| FU06 | BASE | 100Y-72H | 78.213 | 5.27 | 7.50 |  | -0.000 | 95893 | 64.000 | 199.05 |  |  |
| FU06 | BASE | 10Y-72H | 72.000 | 4.22 | 7.50 |  | -0.000 | 93457 | 69.193 | 167.00 | 69.360 | 166.79 |
| FV01 | BASE | 100Y-72H | 79.474 | 5.16 | 7.50 |  | 0.000 | 636179 | 60.000 | 305.63 | 64.798 | 230.47 |

SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13. MAX STAGE REPORT TABLE II-B-14

| Name | Group | Simulation | Max Time Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Warning Stage ft |  | Delta <br> Stage ft |  | Surf <br> Area ft2 | Max Time Inflow hrs | Max <br> Inflow cfs | Max Time <br> Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FV01 | BASE | 10Y-72H | 72.000 | 4.11 | 7.50 |  | 0.000 |  | 56550 | 68.000 | 205.25 | 69.656 | 203.35 |
| FV02 | BASE | 100Y-72H | 79.478 | 5.16 | 7.50 |  | -0.000 |  | 74778 |  |  |  |  |
| FV02 | BASE | 10Y-72H | 72.001 | 4.11 | 7.50 |  | -0.000 |  | 64329 | 69.656 | 203.35 | $\begin{aligned} & 65.208 \\ & 69.958 \end{aligned}$ | $\begin{aligned} & 225.96 \\ & 203.01 \end{aligned}$ |
| FV03 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 79.482 | 5.16 | 7.50 |  | 0.000 |  | 78814 | 65.208 | 225.96 |  |  |
| FV03 | BASE | 10Y-72H | 72.001 | 4.11 | 7.50 |  | 0.000 |  | 72932 | 9.958 | 203.01 | 70.088 | 224.06 202.86 |
| FVO4 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 80.000 | 4.84 | 7.50 |  | -0.000 |  | 881.5 | 65.383 | 224.06 |  |  |
| FVO4 | BASE | 10Y-72H | 72.048 | 3.76 | 7.50 |  | -0.000 |  | $88^{\circ}$ | 70.088 | . 202.86 | 70.093 | 202.85 |
| FV05 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 80.000 | 4.72 | 7.50 |  | 0.000 |  | 182 | . 395 | 223.85 | 65.404 | 223.63 |
| FV05 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.088 | 3.64 | 7.50 |  | 0.000 |  | 8782 | - $\quad .93$ | 202.85 | 70.096 | 202.83 |
| FV06 | BASE | 100Y-72H | 80.000 | 4.59 | 7.50 |  | -0.00r |  | 8783 |  |  |  |  |
| FV06 | BASE | 10Y-72H | 72.142 | 3.50 | 7.50 |  | -0.0 |  | 8783 | 70.096 | 202.83 | 65.409 70.095 | $\begin{aligned} & 223.42 \\ & 202.81 \end{aligned}$ |
| FV07 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 80.000 | 4.48 | 7.50 |  | 0.1 |  | 255 | 65.409 | 223.42 | 65.418 |  |
| FV07 | BASE | 10Y-72H | 60.353 | 3.42 | 7.50 |  | 0.00 |  | 45436 | 70.095 | 202.81 | 70.073 | 222.30 202.72 |
| FV08 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 80.000 | 4.47 | 7.5 |  | 0.000 |  | 3522 | 65.418 | 223.83 | 65.464 |  |
| FV08 | BASE | 10Y-72H | 60.343 | 3.42 | $7 .$. |  | $\bigcirc .000$ |  | $\bigcirc 98$ | 70.163 | 203.38 | 70.065 | $\begin{aligned} & 216.29 \\ & 202.78 \end{aligned}$ |
| FW01 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 80.000 | 4.47 | 7.50 |  |  |  | 87361 | 65.464 |  |  |  |
| FWO1 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 60.332 | 3.42 | 7.50 |  |  |  | ¢3153 | 70.065 | 216.29 202.78 | 65.481 72.358 | 214.23 202.62 |
| FW02 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 80.000 | 4.4 | 7.50 |  | 0.000 |  | 60026 | 59.917 |  |  |  |
| EW02 | BASE | 10Y-72H | 60.322 | 4. | $\bigcirc .50$ |  | 3.000 |  | 339936 | 70.095 | 221.27 203.36 | $\begin{aligned} & 65.585 \\ & 72.604 \end{aligned}$ | $\begin{aligned} & 207.48 \\ & 202.70 \end{aligned}$ |
| FW03 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 80.000 | 4.41 | 7.50 |  | 000 |  | 49552 | 65.585 | 207.48 | 65.598 | 206.30 |
| FW03 | BASE | 10Y-72H | 60.270 | -. 39 |  |  | 0.000 |  | 47283 | 72.604 | 202.70 | 72.635 | 202.71 |
| EW04 | BASE | 100Y-72H | 80.000 | 4. | 7.50 |  | 0.000 |  | 86536 | 65.598 | 206.30 |  |  |
| EW04 | BASE | 10Y-72H | 60.7 | A. | 7.50 |  | -0.000 |  | 82653 | 72.635 | 202.71 | 72.692 | 202.74 |
| FW05 | BASE | 100Y-72H | . 000 | 40 | 7.50 |  | 0.000 |  |  | 59.833 | 213.28 | 65.707 |  |
| FW05 | BASE | 10Y-72H | J0. 248 | 8 | 7.50 |  | -0.000 |  | 89008 | 69.670 | 203.18 | 72.982 | $\begin{aligned} & 198.69 \\ & 202.85 \end{aligned}$ |
| FX01 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 000 | 4. | 7.50 |  | -0.000 |  | 8924 | 65.707 |  | 65.711 |  |
| FX01 | BASE | 10Y-72H | 6 l | 30 | 7.50 |  | -0.000 |  | 8924 | 72.982 | 202.85 | 72.994 | 202.85 |
| FX02 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 80.00 | . 31 | 7.50 |  | 0:000 |  | 36999 | 59.833 | 226.50 | 59.673 |  |
| FX02 | BASE | 10Y-72H | 60.189 | 3.33 | 7.50 |  | 0.000 |  | 20165 | 68.000 | 203.49 | 59.673 85.000 | $\begin{aligned} & 195.73 \\ & 203.56 \end{aligned}$ |
| FX03 | BASE | 100Y-72H | 80.000 | 4.26 | 7.50 |  | 0.000 |  |  |  | 195.73 | 59.266 |  |
| FX03 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 59.548 | 3.30 | 7.50 |  | 0.000 |  | 43173 | 85.000 | 195.73 203.56 | 59.266 85.000 | $\begin{aligned} & 193.74 \\ & 203.75 \end{aligned}$ |
| FX04 | BASE | 100Y-72H | 80.000 | 4.25 | 7.50 |  | 0.000 |  | 54414 | 60.000 | 332.74 |  |  |
| EX04 | BASE | 10Y-72H | 59.548 | 3.30 | 7.50 |  | 0.000 |  | 09711 | 60.000 | 253.64 | 60.001 | $222.45$ |
| FYO1 | BASE | 100Y-72H | 80.000 | 4.20 | 7.50 |  | 0.012 |  | 8770 | 60.000 | 223.60 | 41.574 | 222.00 |
| FYO1 | BASE | 10Y-72H | 59.548 | 3.30 | 7.50 |  | 0.012 |  | 8770 | 60.001 | 222.45 | 55.259 | 222.00 |

SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13 MAX STAGE REPORT
TABLE II-B-14

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | $\begin{array}{r} \text { Warning } \\ \text { Stage } \\ \text { ft } \end{array}$ | Max Delta Stage ft | $\begin{array}{r} \text { Max } \\ \text { Surf } \\ \text { Area } \\ \mathrm{ft2} \end{array}$ | Max Time Inflow hrs | Max Inflow cfs | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FY02 | BASE | 100Y-72H | 0.000 | 2.70 | 10.00 | 0.000 | 0 | 41.574 | 222.00 |  |  |
| FY02 | BASE | 10Y-72H | 0.000 | 2.70 | 10.00 | 0.000 | 0 | 55.259 | 222.00 | 0.000 | 0.00 |
| GW | BASE | 100Y-72H | 0.000 | 2.70 | 2.70 | 0.000 | 0 | 61.738 | 1.93 | 0.000 | 0.00 |
| GW | BASE | 10Y-72H | 0.000 | 2.70 | 2.70 | 0.000 | 0 | 62.958 | 1.79 | 0.000 | 0.00 |
| JNC | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 64.850 | 5.96 | 8.00 | -0.005 | 296 | 0.000 | 53.09 | 0.006 | 41.38 |
| JNC | BASE | 10Y-72H | 62.886 | 4.79 | 8.00 | -0.005 | 296 | 0.000 | 53.09 | 0.006 | 41.38 |
| MALL | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 60.313 | 6.46 | 8.00 | -0.004 | 1207 | $60.000$ |  | 59.963 | 56.02 |
| MALL | BASE | 10Y-72H | 60.159 | 5.37 | 8.00 | -0.004 | $]^{\prime} .4$ | 50.000 | $55.04$ | 60.118 | 45.18 |
| MH3A | BASE | 100Y-72H | 62.411 | 6.02 | 0.00 | -0.111 | 167 | $\bigcirc 02$ | 67.73 |  |  |
| MH3A | BASE | 10Y-72H | 62.983 | 4.79 | 0.00 | -0.106 | 167 | $0 . \quad 2$ | 67.73 | 59.369 61.491 | 67.08 66.23 |
| MH3B | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 62.406 | 6.13 | 0.00 | 0.7 | ${ }^{7} 26$ | 0.000 | 116.66 | 0.002 | 67.73 |
| MH3B | BASE | 10Y-72H | 60.690 | 4.92 | 0.00 | c 3 | $\angle 6$ | 0.000 | 116.66 | 0.002 | 67.73 |
| MH62 | BASE | 100Y-72H | 64.551 | 6.03 | 0.00 | 0.02 . | 180 |  |  |  |  |
| MH62 | BASE | 10Y-72H | 62.998 | 4.86 | 0.00 | 0.029 . | 180 | 0.006 | 41.38 | 61.678 | $\begin{aligned} & 67.38 \\ & 68.25 \end{aligned}$ |
| M 6 64A | BASE | 100Y-72H | 64.328 | 5.80 | 0.1 | ก. 043 | 124 | 59.497 | 67.38 | 0.000 |  |
| MH64A | BASE | 10Y-72H | 63.083 | 4.62 | 0.0 |  | -4 | 61.678 | 68.25 | 0.000 | 0.00 |
| MH64B | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 64.184 | 6.03 | 0.00 | $\bigcirc 19$ | 125 | 0.000 | 0.00 | 67.084 |  |
| MH64B | BASE | 10Y-72H | 63.194 | 4.84 | 0.00 | . 179 | 125 | 0.000 | 0.00 | 61.680 | 53.52 |
| MIRLAKES | BASE | 100Y-72H | 72.000 | 6 3 | '. 50 | 0.000 | 5384565 | 60.167 | 827.47 |  |  |
| MIRLAKES | BASE | 10Y-72H | 69.896 | .73 | . 50 | . 000 | 3280404 | 60.167 | 522.59 | $76.831$ | $\begin{aligned} & 16.52 \\ & 25.17 \end{aligned}$ |
| MPABC1 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | . 68 |  | 0.000 | 4522873 | 60.083 | 925.00 | 0.000 |  |
| MPABC1 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 69.060 | 76 | 7.50 | 0.000 | 2145927 | 60.083 | 556.43 | 0.000 | 0.00 0.00 |
| MPABC2 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | $72 . r$ | 6.6. | 7.50 | 0.002 | 1596151 | 60.041 |  |  |  |
| MPABC2 | BASE | 10Y-72H | $6^{2}, 06$ | 5.70 | 7.50 | 0.002 | 752759 | 60.000 | 225.74 | $\begin{aligned} & 59.978 \\ & 60.024 \end{aligned}$ | 36.32 30.02 |
| MPABC3 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 12.000 | ¢ 2 | 7.50 | 0.000 | 2677274 | 60.083 | 741.62 |  |  |
| MPABC3 | BASE | 10Y-72H | 9.791 | 5.3 | 7.50 | 0.000 | 1798444 | 60.167 | 423.87 | 2.309 3.201 | 1.17 1.03 |
| MPABC4 | BASE | 100Y-72H | 7.4 |  | 7.50 | 0.000 | 2160156 | 60.083 | 425.79 |  |  |
| MPABC4 | BASE | 10Y-72H | 69.2 | 17 | 7.50 | 0.000 | 1391096 | 60.083 | 272.51 | 80.000 85.000 | 8.38 11.82 |
| MPC | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 64.367 | 5.86 | 8.00 | 0.000 | 776773 | 60.250 | 219.57 |  |  |
| MPC | BASE | 10Y-72H | 63.334 | 4.68 | 8.00 | -0.000 | 315772 | 59.825 | 152.12 | 61.478 | 104.08 81.09 |
| MPCPH1A | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.554 | 5.43 | 7.50 | 0.000 | 1888115 | 60.858 | 109.74 | 38.920 |  |
| MPCPH1A | BASE | 10Y-72H | 72.024 | 4.40 | 7.50 | 0.000 | 1219391 | 60.904 | 93.84 | 54.067 | 48.47 |
| MPCPHIII | BASE | 100Y-72H | 72.000 | 6.12 | 7.50 | 0.000 | 3844116 | 60.083 |  |  |  |
| MPCPHIII | BASE | 10Y-72H | 68.792 | 5.18 | 7.50 | 0.000 | 1986230 | 60.083 | 573.90 | 60.384 | 72.45 |
| MPCPHV | BASE | 100Y-72H | 62.043 | 5.66 | 7.50 | 0.000 | 1862524 | 60.167 | 766.39 | 60.858 |  |
| MPCPHV | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 61.691 | 4.79 | 7.50 | 0.000 | 1127925 | 60.167 | 491.26 | 60.904 | 93.84 |

SOUTH BROWARD DRAINAGE DISTRICT
basins S-2, S-7 AND S-13 MAX STAGE REPORT TABLE II-B-14


SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13 MAX STAGE REPORT TABLE II-B-14

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | $\begin{gathered} \text { Warning Max } \\ \text { Stage } \\ \text { ft } \end{gathered}$ | Delta Stage ft | $\begin{array}{r} \text { Max } \begin{aligned} \text { Surf } \\ \text { Area } \\ \text { ft2 } \end{aligned}, ~ \end{array}$ | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PP09 | BASE | 10Y-72H. | 72.051 | 4.75 | 7.50 | 0.000 | 65320 | 60.396 | 128.37 | 53.905 | 157.58 |  |
| PP10 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.805 | 5.76 | 7.50 | 0.000 | 125476 | 60.916 | 208.33 | 76.574 | 266.30 |  |
| PP10 | BASE | 10Y-72H | 72.051 | 4.75 | 7.50 | -0.000 | 122471 | 53.905 | 173.56 | 65.643 | 159.16 |  |
| PP11 | BASE | 100Y-72H | 72.807 | 5.76 | 7.50 | -0.000 | 69296 | 71.137 | 284.11 | 61.051 | 231.78 |  |
| PPII | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.051 | 4.75 | 7.50 | 0.000 | 68157 | -0.823 | 190.77 | 60.898 | 184.55 |  |
| PROMENAD | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.000 | 6.67 | 7.50 | 0.000 | 1762489 | 60.083 | 417.84 | 60.381 | 34.18 |  |
| PROMENAD | BASE | 10Y-72H | 68.643 | 5.76 | 7.50 | 0.000 | 6536 | 60.083 | 268.17 | 61.702 | 21.33 |  |
| PS04 | BASE | 100Y-72H | 72.858 | 5.73 | 7.50 | 0.000 | 352 | ?. 946 | 405.15 | 61.009 | 397.02 |  |
| PSO4 | BASE | 10Y-72H | 72.048 | 4.73 | 7.50 | -0.000 | 65850 | - 750 | 337.16 | 60.994 | 331.60 |  |
| PS05 | BASE | 100Y-72H | 72.867 | 5.73 | 7.50 | 0.00 r | 65952 | 61.0 | 397.02 | 61.069 | 389.25 |  |
| PS05 | BASE | 10Y-72H | 72.048 | 4.72 | 7.50 | $0 . r$ | 65734 | 60.994 | 331.60 | 61.035 | 326.25 |  |
| PSO6 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 73.166 | 5.57 | 7.50 | $0 \cdot$ | 1. 819 | 60.682 | 413.74 | 80.000 | 252.28 |  |
| PS06 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72.058 | 4.56 | 7.50 | 0.00 | 1.06176 | 60.772 | 341.02 | 85.000 | 261.10 |  |
| PS07 | BASE | 100Y-72H | 73.155 | 5.57 | $7.5{ }^{-}$ | 0.000 | 38216 | 60.083 | 298.82 | 80.000 | 256.93 |  |
| PS07 | BASE | 10Y-72H | 72.000 | 4.55 | 7. | $\bigcirc .000$ | $\bigcirc 973$ | 85.000 | 261.10 | 85.000 | 266.67 |  |
| PS08 | BASE | 100Y-72H | 72.465 | 5.43 | 7.50 | -0.1 | 76301 | 80.000 | 281.00 | 80.000 | 281.40 |  |
| PS08 | BASE | 10Y-72H | 72.001 | 4.39 | 7.50 | -0 01 | 14272 | 85.000 | 286.72 | 85.000 | 287.20 |  |
| PSO9 | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 72.462 | 5.4 | 7.50 | 0.001 | 85987 | 60.119 | 313.10 | 38.038 | 300.00 |  |
| PS09 | BASE | 10Y-72H | 72.001 | 4 , | 7.50 | 0.001 | 83424 | 60.496 | 307.86 | 53.260 | 300.00 |  |
| PS10 | BASE | 100Y-72H | 0.000 | 2.70 | . 0.00 | 000 | 0 | 38.038 | 300.00 | 0.000 | 0.00 |  |
| PS10 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 0.000 | $\bigcirc .70$ |  | 0.000 | 0 | 53.260 | 300.00 | 0.000 | 0.00 |  |
| RAC12 | BASE | 100Y-72H | 72.000 | 5. | 7.50 | 0.000 | 3894843 | 60.000 | 725.64 | 73.396 |  |  |
| RAC12 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 72. |  | 7.50 | 0.000 | 3420890 | 60.000 | 456.33 | 73.170 | 24.45 12.71 |  |
| RAC13 | BASE | 100Y-72H | . 000 | 42 | 7.50 | 0.000 | 1967494 | 60.000 | 381.40 | 65.537 |  |  |
| RAC13 | BASE | 10Y-72H | 12.000 | 7 | 7.50 | 0.000 | 1605089 | 60.000 | 232.09 | 72.000 | 19.05 |  |
| STANDREW | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 265 |  | 7.50 | 0.000 | 1316510 | 60.167 | 258.54 | 66.909 | 10.42 |  |
| STANDREW | BASE | 10Y-72H | 6. 91 | 50 | 7.50 | 0.000 | 614250 | 60.167 | 160.03 | 64.091 | 11.72 |  |
| VOR1 | BASE | 100Y-72H | 72.04 | 0.67 | 7.50 | 0.000 | 3777154 | 60.167 | 801.57 | 61.841 | 45.39 |  |
| VOR1 | BASE | $10 \mathrm{Y}-72 \mathrm{H}$ | 62.481 | 5.79 | 7.50 | 0.000 | 1563959 | 60.167 | 493.39 | 61.246 | 54.65 |  |
| WETLAND | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 64.361 | 5.87 | 7.50 | 0.000 | 784086 | 72.000 | 2.63 | 72.141 | 14.72 |  |
| WETLAND | BASE | 10Y-72H | 63.331 | 4.68 | 7.50 | 0.000 | 758791 | 71.833 | 1.25 | 72.069 | 11.23 |  |
| WTBL | BASE | $100 \mathrm{Y}-72 \mathrm{H}$ | 0.000 | 2.70 | 6.50 | 0.000 | 0 | 0.000 | 0.00 | 0.000 | 0.00 |  |
| WTBL | BASE | 10Y-72H | 0.000 | 2.70 | 6.50 | 0.000 | 0 | 0.000 | 0.00 | 0.000 | 0.00 |  |

## BASINS S-2, S-7 \& S-13

## 72-HOUR NODAL STAGE RF ${ }^{\text {PORT }}$

10-YEAR, 3-DA ${ }^{*}$ STORM<br>100-YEAR, 3-DA . ' IORM

BASINS S-2, S-7 AND S-13 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM

| Simulation | Node | Group | Time | Stage ft | $\begin{array}{r} \text { Warning } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Surface <br> Area ft2 | $\begin{gathered} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{gathered}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10Y-72H | 1302 | BASE | 72.000 | 5.30 | 8.00 | 1534332 | 0.00 | 19.31 | 104.2 | 38.5 |
| 10Y-72H | 1303 | BASE | 72.000 | 5.14 | 8.00 | 715005 | 19.31 | 23.07 | 80.5 | 49.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1305 | BASE | 72.000 | 5.05 | 8.00 | 198182 | 0.00 | 0.86 | 11.8 | 4.7 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1306 | BASE | 72.000 | 5.05 | 8.00 | 454974 | 0.86 | 1.29 | 24.4 | 5.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1311 | BASE | 72.000 | 5.05 | 8.00 | 1594937 | 0.00 | 4.16 | 89.0 | 29.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1312 | BASE | 72.000 | 5.05 | 8.00 | 2763035 | 20.14 | 19.93 | 176.1 | 65.2 |
| 10Y-72H | 1313 | BASE | 72.000 | 5.04 | 8.00 | 291796 | 5.25 | 6.46 | 46.3 | 35.8 |
| 10Y-72H | 1314 | BASE | 72.000 | 5.04 | 8.00 | 437408 | 0.00 | -1.17 | 24.1 | 7.4 |
| 10Y-72H | 1315 | BASE | 72.000 | 5.04 | 8.00 | 6938421 | 12.60 | -3.56 | 283.8 | -33.6 |
| 10Y-72H | 1316 | BASE | 72.000 | 5.04 | 8.00 | 503107 | -3. | -2.90 | -8.9 | -28.8 |
| 10Y-72H | 1317 | BASE | 72.000 | 5.04 | 8.00 | 2531532 | , 5 | 6.03 | 67.3 | -30.9 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1318 | BASE | 72.000 | 5.04 | 8.00 | 143964 | . 00 | ?. 19 | 6.2 | 0.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1319 | BASE | 72.000 | 5.04 | 8.00 | 2523666 | 15.02 | - 54 | 130.9 | 25.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1320 | BASE | 72.000 | 5.04 | 8.00 | 149824 | 0.00 | 0. | 6.6 | 0.6 |
| 10Y-72H | 1321 | BASE | 72.000 | 5.04 | 8.00 | 12711 r | 8.38 | 8.1 | 13.9 | 9.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1FOX1 | BASE | 72.000 | 4.50 | 8.00 | 396 | $266 \sim 2$ | 7.99 | 998.7 | 23.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1FOX2 | BASE | 72.000 | 4.50 | 8.00 | 5. | $5+3$ | -68.08 | 244.1 | -230.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1F0X3 | BASE | 72.000 | 4.50 | 8.00 | $77 \%$ | 1.03 | 108.62 | -38.4 | 439.1 |
| 10Y-72H | 1FOX4 | BASE | 72.000 | 4.50 | 8.00 | 73981 | 68.08 | 157.60 | -222.1 | 559.6 |
| 10Y-72H | 1101 | BASE | 72.000 | 4.84 | 7.50 | 310056 | 0.00 | 3.80 | 32.7 | 22.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1103 | BASE | 72.000 | 4.84 | 7.5 | 280593 | 3.80 | 4.34 | 27.9 | 17.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1105 | BASE | 72.000 | 4.84 | 7.5 | -1043 | 34 | 10.33 | 84.4 | 3.8 |
| 10Y-72H | 1107 | BASE | 72.000 | 4.83 | 7.56 | 200. | 1 l , 3 | 19.90 | 106.0 | 22.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1109 | BASE | 72.000 | 4.80 | 7.50 | $53^{\circ}$ | 10.90 | 0.00 | 12.6 | -39.3 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1111 | BASE | 72.000 | 4.80 | 7.50 | 547 | 0.00 | 10.70 | -39.3 | 9.5 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 J 10 | BASE | 72.000 | 4.79 | 7.50 | . 554 | -26.35 | -25:64 | -4.0 | -41.4 |
| 10Y-72H | $1 \mathrm{J11}$ | BASE | 72.000 | 4.7 | 7.50 | 41082 | -26.27 | -26.35 | -21.0 | -22.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{J12}$ | BASE | 72.000 |  | . 50 | 11170 | -26.20 | -26.27 | -19.0 | -21.0 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 J 13 | BASE | 72.000 | . 76 | . 50 | - 4097 | -26.16 | -26.20 | -17.5 | -19.0 |
| 10Y-72H | 1J14 | BASE | 72.000 72.000 | 4.76 75 | 750 | 10 4145 | -25.62 | -26.16 | 21.6 | -17.5 |
| 10Y-72H | 1J15 | BASE | 72.000 72.000 | 75 $-\quad 5$ | 7.50 | 55439 31678 | -58.90 0.00 | -58.99 | -31.7 0.0 | -34.8 -1.1 |
| 10Y-72H | $1 \mathrm{K01}$ | BASE | 72.000 | 4. | 7.50 | 577521 | 5.66 | 10.73 | 49.3 | 29.2 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{K02}$ | BASE | 72 | 4.74 | 7.50 | 1333084 | 59.56 | 67.89 | 112.7 | 65.5 |
| 10Y-72H | $1 \mathrm{K03}$ | BASE | $7{ }^{7} 000$ | . 67 | 7.50 | 299059 | 0.00 | 3.31 | 21.0 | 11.0 |
| 10Y-72H | $1 \mathrm{K04}$ | BASE | . 0000 | 16 | 7.50 | 4468431 | 130.06 | 156.22 | 324.1 | 152.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{K05}$ | BASE | 12.000 | 49 | 7.50 | 390872 | 0.00 | 5.66 | 37.8 | 23.6 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 L 01 | BASE | -. 000 | 4. | 7.50 | 41132 | 10.94 | 0.00 | 16.8 | -4.1 |
| 10Y-72H | 1 L 02 | BASE | - ${ }^{7} 00$ | 4. | 7.50 | 1104499 | 0.00 | 11.74 | 27.3 | 6.2 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 L 03 | BASE | 72.7 | 45 | 7.50 | 33408 | 11.74 | -29.14 | 6.2 | -183.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 L 04 | BASE | 72.0 | 86 | 7.50 | 189549 | 0.00 | 2.17 | 23.2 | 16.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 L 05 | BASE | 72.000 | 4.85 | 7.50 | 68334 | -26.97 | 24.15 | -167.7 | 81.3 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 L 06 | BASE | 72.000 | 4.85 | 7.50 | 1729255 | 25.08 | 15.29 | 138.8 | $-7.8$ |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 L 07 | BASE | 72.000 | 4.85 | 7.50 | 219046 | 15.29 | 14.57 | -5.5 | -9.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ $10 \mathrm{Y}-72 \mathrm{H}$ | 1L08 | BASE | 72.000 72.000 | 4.84 4.84 | 7.50 7.50 | 197464 44629 | 0.00 15.27 | 0.70 15.16 | 9.6 -7.4 | 1.6 -10.1 |
| 10Y-72H | 1 L 10 | BASE | 72.000 | 4.84 | 7.50 | 562646 | 15.16 | 16.02 | 13.4 | -9.2 |
| 10Y-72H | 1 L 11 | BASE | 72.000 | 4.81 | 7.50 | 249568 | 16.02 | 15.70 | -6.9 | -17.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 L 16 | BASE | 72.000 | 4.85 | 7.50 | 198166 | 0.00 | 0.93 | 13.1 | 5.2 |
| 10Y-72H | 1 MO 6 | BASE | 72.000 | 4.86 | 7.50 | 656702 | 0.00 | 6.34 | 45.3 | 19.0 |
| 10Y-72H | $1 \mathrm{M07}$ | BASE | 72.000 | 4.84 | 7.50 | 996064 | 16.47 | 19.98 | 80.8 | 33.7 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{M08}$ | BASE | 72.000 | 4.78 | 7.50 | 708843 | 19.98 | 22.28 | 56.4 | 26.8 |
| 10Y-72H | $1 \mathrm{M13}$ | BASE | 72.000 | 4.84 | 7.50 | 108586 | 0.00 | 1.73 | 12.4 | 9.0 |

BASINS SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S-13 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface <br> Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Total Outflow cfs | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10Y-72H | 1M14. | BASE | 72.000 | 4.98 | 7.50 | 204563 | 0.00 | 4.15 | 24.4 | 14.3 |
| 10Y-72H | 1M15 | BASE | 72.000 | 4.93 | 7.50 | 313418 | 4.15 | 8.40 | 36.5 | 24.2 |
| 10Y-72H | $1 \mathrm{M16}$ | BASE | 72.000 | 4.80 | 7.50 | 81112 | 0.00 | 1.14 | 10.8 | 6.7 |
| 10Y-72H | $1 \mathrm{M17}$ | BASE | 72.000 | 4.82 | 7.50 | 132681 | 0.00 | 1.61 | 15.5 | 10.7 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{NO1}$ | BASE | 72.000 | 4.66 | 7.50 | 2954081 | 12.89 | 36.73 | 174.6 | 51.4 |
| 10Y-72H | 1001 | BASE | 72.000 | 5.16 | 7.50 | 661276 | 0.00 | 2.15 | 25.0 | 1.8 |
| 10Y-72H | 1002 | BASE | 72.000 | 4.90 | 7.50 | 404872 | 2.15 | 2.91 | 18.0 | 2.4 |
| 10Y-72H | $1 \mathrm{P01}$ | BASE | 72.000 | 4.81 | 7.50 | 2268195 | 21.45 | 24.15 | 114.4 | 14.2 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1 P 02 | BASE | 72.000 | 4.81 | 7.50 | 2059385 | 25.2 | 28.90 | - 97.5 | 17.9 |
| 10Y-72H | 1 P 03 | BASE | 72.000 | 4.81 | 7.50 | 260138 | 0 | 1.06 | 13.0 | 2.6 |
| 10Y-72H | 1001 | BASE | 72.000 | 4.84 | 7.50 | 1434359 | J0 | 2.38 | 58.9 | 0.5 |
| 10Y-72H | 1 O 22 | BASE | 72.000 | 4.82 | 7.50 | 2046939 | < 2.79 | -. 45 | 107.5 | 30.0 |
| 10Y-72H | 1003 | BASE | 72.000 | 4.84 | 7.50 | 3013350 | 10.99 | - 79 | 203.4 | 85.8 |
| 10Y-72H | $1 \mathrm{R01}$ | BASE | 72.000 | 5.04 | 7.50 | 390644 | 0.00 | 5. | 31.7 | 16.0 |
| - $10 \mathrm{Y}-72 \mathrm{H}$ | 1R02 | BASE | 72.000 72.000 | 5.04 4.94 | 7.50 7.50 | ${ }^{12256}{ }^{\circ}{ }^{\circ} \mathrm{C}$, | 5.01 $15-4$ | 14.5 . | 66.7 | 18.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1R12 | BASE | 72.000 | 4.94 | 7.50 | 11\% i | 1500 | 22.17 1.08 | 69.4 6.9 | 40.0 2.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1V09 | BASE | 72.000 | 4.05 | 7.50 | 48733. | J. 00 | -0.73 | 122.5 | -4.6 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 2F0X1U | BASE | 72.000 | 4.50 | 8.00 | 464334 | 14.18 | 23.54 | 39.0 | 56.7 |
| 10Y-72H | 2FOX2A | BASE | 72.000 | 4.56 | 8.00 | 172 | -2.47 | 0.97 | -3.9 | 2.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 2FOX2B | BASE | 72.000 | 4.51 | 8.1 | 2564 | $\bigcirc .47$ | 1.34 | 3.7 | 15.7 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 2FOX2C | BASE | 72.000 | 4.51 | 8.0 | $\bigcirc 756$ | 10 | 0.47 | 4.1 | -0.2 |
| 10Y-72H | 2FOX2D | BASE | 72.000 | 4.50 | 8.06 |  | ¢ 00 | 0.40 | 3.2 | 1.2 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 2FOX2E | BASE | 72.000 | 4.50 | 8.00 | $5{ }^{-}$ | 0.00 | 1.42 | 11.2 | 7.8 |
| 10Y-72H | 2FOX2Z | BASE | 72.000 | 4.51 | 0.00 | . 35 | -2.41 | -2.47 | -2.5 | -7.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ $10 \mathrm{Y}-72 \mathrm{H}$ | 2 I 18 | BASE | 72.000 | 4.79 | 7.50 | د253 | 0.00 | 6.88 | 69.1 | 10.7 |
| $10 \mathrm{Y}-72 \mathrm{H}$ $10 \mathrm{Y}-72 \mathrm{H}$ | 2 J 17 | BASE | 72.000 72.000 | 4.7 | 7.50 .50 | 50294 | 0.00 | 23.01 | 211.2 | 36.7 |
| 10Y-72H | 2M12 | BASE | 72.000 | . 80 | . 50 | 1. $\quad 3510$ | 0.00 0.00 | 0.82 0.00 | 8.5 109.4 | 2.4 0.0 |
| 10Y-72H | $2 \mathrm{M18}$ | BASE | 72.000 | 4.80 | 7 c | $1+685$ | 0.00 | 7.56 | 109.5 | 52.3 |
| 10Y-72H | 2N02 | BASE | 72.000 | 85 |  | 316218 | 0.00 | 4.76 | 68.2 | -8.6 |
| 10Y-72H | 2N03 | BASE | 72.000 | 45 | 7.50 | 1313346 | 4.76 | 8.61 | 50.2 | -2.9 |
| 10Y-72H | 2003 | BASE | 72.000 | 4. | 7.50 | 456172 | -0.43 | 1.41 | 15.5 | -1.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 2008 | BASE | 72 | 4.71 | 7.50 | 921817 | 0.29 | 0.14 | 30.4 | 1.0 |
| 10Y-72H | 2014 | BASE | 7.000 | 29 | 7.50 | 166678 | 0.00 | 1.64 | 8.7 | 3.5 |
| $10 \mathrm{Y}-72 \mathrm{H}$ $10 \mathrm{Y}-72 \mathrm{H}$ | 2015 | BASE | ,2.000 | + 7 | 7.50 | 111545 | 1.64 | 1.49 | 6.2 | 1.9 |
| $10 \mathrm{Y}-72 \mathrm{H}$ $10 \mathrm{Y}-72 \mathrm{H}$ | 2016 | BASE | 12.000 .000 | 4.3 | 7.50 | 95842 | 1.49 | 1.21 | 3.7 | 0.3 |
| 10Y-72H | 2018 | BASE | +. 000 | 4. | 7.50 7.50 | 39261 | 1.21 1.08 | 1.08 1.37 | 1.0 | -0.3 |
| 10Y-72H | 2019 | BASE | 72. | - 2 | 7.50 | 60127 | 1.37 | 1.20 | 4.3 | 3.1 |
| 10Y-72H | 2020 | BASE | 72.0 | . 78 | 7.50 | 163227 | 1.20 | 0.76 | 5.4 | -0.0 |
| 10Y-72H | 2021 | BASE | 72.000 | 4.77 | 7.50 | 106585 | 0.00 | -0.15 | 2.7 | -1.2 |
| 10Y-72H | 2022 | BASE | 72.000 | 4.77 | 7.50 | 91846 | 0.00 | -0.33 | 1.4 | -1.6 |
| 10Y-72H | 2023 | BASE | 72.000 | 4.77 | 7.50 | 216466 | 0.14 | -0.33 | 5.2 | -2.0 |
| 10Y-72H | 2024 | BASE | 72.000 | 4.77 | 7.50 | 91973 | -0.33 | -0.45 | -0.2 | -3.3 |
| 10Y-72H | 2025 | BASE | 72.000 | 4.78 | 7.50 | 27102 | -0.45 | -0.43 | -2.7 | -3.6 |
| 10Y-72H | 2 R 04 | BASE | 72.000 | 4.54 | 8.00 | 38874 | 0.00 | -14.56 | 14.1 | 68.4 |
| 10Y-72H | 2 R 05 | BASE | 72.000 | 4.47 | 8.00 | 46947 | 2.91 | 3.67 | 14.1 | 12.7 |
| 10Y-72H | 2 R 06 | BASE | 72.000 | 4.46 | 8.00 | 93634 | 3.67 | 4.62 | 19.3 | 16.2 |
| 10Y-72H | 2 R 07 | BASE | 72.000 | 4.44 | 8.00 | 93126 | 4.62 | 6.06 | 26.4 | 23.7 |
| 10Y-72H | 2R08 | BASE | 72.000 | 4.42 | 8.00 | 125745 | 6.81 | 8.35 | 39.2 | 35.3 |
| 10Y-72H | 2R09 | BASE | 72.000 | 4.41 | 8.00 | 235258 | 8.35 | 10.88 | 54.2 | 46.6 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 2R10 | BASE | 72.000 | 4.40 | 8.00 | 113653 | 10.88 | 12.08 | 55.8 | 58.3 |



| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface <br> Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Total Outflow cfs | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10Y-72H | 2R14 | BASE | 72.000 | 4.43 | 8.00 | 48003 | 0.00 | 0.75 | 5.5 |  |
| 10Y-72H | 2R16 | BASE | 72.000 | 4.55 | 8.00 | 35174 | 0.27 | -16.39 | 5.5 5.7 | 70.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 2R17 | BASE | 72.000 | 4.55 | 8.00 | 12093 | 0.00 | -0.27 | 0.0 | -1.4 |
| 10Y-72H | 3119. | BASE | 72.000 | 4.91 | 7.50 | 272586 | 0.00 | 4.82 | 30.3 | 20.5 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 3120 | BASE | 72.000 | 4.89 | 7.50 | 865896 | 4.82 | 8.67 | 58.0 | 20.6 |
| 10Y-72H | 3 I 21 | BASE | 72.000 | 4.86 | 7.50 | 695656 | 0.00 | 1.32 | 26.5 | -4.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 3 I 22 | BASE | 72.000 | 4.86 | 7.50 | 348175 | 9.99 | 10.94 | 30.8 | 16.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 3 J 18 | BASE | 72.000 | 4.82 | 7.50 | 1207562 | 0.00 | 11.11 | 65.7 | 16.8 26.3 |
| 10Y-72H | 3J19 | BASE | 72.000 | 4.76 | 7.50 | 9592 | 11.11 | 11.10 | 26.3 | 25.8 |
| 10Y-72H | 3 J 20 | BASE | 72.000 | 4.75 | 7.50 | 9593 | - | 1.10 0.00 | 0.0 | -0.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 3 J 21 | BASE | 72.000 | 4.75 | 7.50 | 9599 |  | 0.00 | -0.4 | -1.0 |
| 10Y-72H | 3 J 22 | BASE | 72.000 | 4.75 | 7.50 | 9608 | . 00 | $\bigcirc .00$ | -1.0 | -1.3 |
| 10Y-72H | 3 L 13 | BASE | 72.000 | 5.04 | 7.50 | 1756678 | 2.72 | 24 | 87.9 | 18.2 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 3L14 | BASE | 72.000 | 5.02 | 7.50 | 1439932 | 13.24 | 2; | 98.1 | 37.4 |
| 10Y-72H | 3 L 15. | BASE | 72.000 | 5.04 | 7.50 | $24406{ }^{7}$ | 0.00 | 2. | 21.5 | 11.7 |
| 10Y-72H | 3004 | BASE | 72.000 | 4.96 | 7.50 | 530. | 579 | 9.26 | 34.4 | 12.3 |
| 10Y-72H | 3005 | BASE | 72.000 | 4.92 | 7.50 | 59 ? | - 6 | 13.16 | 40.5 | 15.4 |
| 10Y-72H | 3006 | BASE | 72.000 | 4.85 | 7.50 | 3196 | ,. 16 | 16.04 | 40.6 | 27.4 |
| 10Y-72H | 3007 | BASE | 72.000 | 4.82 | 7.50 | 50526. | 16.04 | 18.20 | 51.3 | 26.7 |
| $10 \mathrm{Y}-72 \mathrm{H}$ $10 \mathrm{Y}-72 \mathrm{H}$ | 3010 | BASE | 72.000 | 5.01 | 7.50 | 451723 | 0.00 | 3.00 | 17.3 | -0.6 |
| 10Y-72H | 4 J 20 | BASE | 72.000 | 5.01 4.79 | 7.5 | 179452 | 3.00 | 5.09 | 14.8 | 7.1 |
| 10Y-72H | 4 J 21 | BASE | 72.000 | 4.79 | 7.5 | - | 53 $-\quad 0$ | 4.18 1.43 | 23.0 | 11.0 |
| 10Y-72H | 4 J 22 | BASE | 72.000 | 4.79 | 7.50 | 3284 | 0.00 | 1.10 | 11.4 | 4.0 2.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 4009 | BASE | 72.000 | 5.44 | 7.50 | $77^{\circ} \mathrm{3}$ | 0.00 | 17.37 | 36.7 | 30.5 |
| 10Y-72H | AVALON | BASE | 72.000 | 5.54 | 7.50 | - 910 | 22.34 | 38.67 | 154.2 | 78.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | CCH | BASE | 72.000 | 7.4 | 9.00 | 33267 | 0.00 | 1.71 | 7.5 | 4.7 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | CONN | BASE | 72.000 | 4 | . 50 | 174 | -33.87 | 60.69 | 129.4 | -179.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | FAM | BASE | 72.000 | 58 | . 00 | 3745 | 0.00 | 10.39 | 8.8 | - 20.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | FU01 | BASE | 72.000 | +. 24 | 7.50 | 744 | 0.00 | -1.32 | 0.0 | 5.6 |
| 10Y-72H | FU02 | BASE | 72.000 | 24 |  | 242639 | 21.22 | 23.04 | 40.9 | 9.8 |
| 10Y-72H | FU03 | BASE | 72.000 | 3 | 7.50 | 8786 | 23.04 | 23.03 | 9.8 | 46.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | FU05 | BASE | 72.000 | 4. | 7.50 | 104309 | 166.36 | 166.29 | 235.2 | -464.3 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | FU06 | BASE | 7500 | . 22 | 7.50 | 615454 | 166.29 | 166.1 | -450.7 | 607.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | FV01 | BASE | . 000 | 11 | 7.50 | 556550 | 166.61 | 166.52 | 607.1 | 172.4 |
| 10Y-72H | EV02 | BASE | ,2.000 | 41 | 7.50 | 164329 | 202.52 | 202.97 | 232.8 | 944.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | EV03 | BASE | ?. 000 | 4. | 7.50 | 72932 | 202.78 | 20.68 | 944.8 | -468.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | FV04 | BASE | 100 |  | 7.50 | 8815 | 202.68 | 202.68 | -468.1 | 266.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | FV05 | BASE | 7\% 〇 0 | 34 | 7.50 | 8782 | 202.66 | 202.65 | 266.1 | 168.3 |
| 10Y-72H | EV06 | BASE | 72.6 | 50 | 7.50 | 8783 | 202.65 | 202.63 | 168.3 | 295.9 |
| 10Y-72H | FV07 | BASE | 72.00 L | 3. 37 | 7.50 | 45352 | 202.63 | 202.54 | 183.7 | 183.7 |
| 10Y-72H | FV08 | BASE | 72.000 | 3.36 | 7.50 | 299726 | 202.54 | 202.59 | 305.8 | 167.7 |
| 10Y-72H | EW01 | BASE | 72.000 | 3.36 | 7.50 | 82910 | 202.59 | 202.43 | 167.7 | 167.7 |
| 10Y-72H | FW02 | BASE | 72.000 | 3.35 | 7.50 | 338656 | 202.43 | 202.49 | 296.9 | 290.1 |
| 10Y-72H | FW03 | BASE | 72.000 | 3.29 | 7.50 | 47060 | 202.49 | 202.40 | 201.0 | 313.7 |
| 10Y-72H | EW04 | BASE | 72.000 | 3.28 | 7.50 | 82250 | 202.40 | 202.23 | 313.7 | 166.9 |
| 10Y-72H | FW05 | BASE | 72.000 | 3.27 | 7.50 | 286551 | 202.23 | 202.38 | 173.7 | 336.3 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | FX01 | BASE | 72.000 | 3.22 | 7.50 | 8924 | 202.38 | 202.37 | 336.3 | 129.5 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | EX02 | BASE | 72.000 | 3.17 | 7.50 | 217318 | 202.37 | 202.65 | 136.4 | 276.1 |
| 10Y-72H | FX03 | BASE | 72.000 | 3.11 | 7.50 | 42941 | 202.65 | 202.57 | 276.1 | 151.3 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | FXO4 | BASE | 72.000 | 3.10 | 7.50 | 600510 | 221.63 | 222.02 | 183.0 | 317.2 |
| 10Y-72H | FY01 | BASE | 72.000 | 3.05 | 7.50 | 8770 | 222.02 | 222.00 | 317.2 | 261.4 |



| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10Y-72H | FY02 | BASE | 72.000 | 2.70 | 10.00 | 0 | 222.00 | 0.00 | 261.4 | 0.0 |
| 10Y-72H | GW | BASE | 72.000 | 2.70 | 2.70 | 0 | 1.71 | 0.00 | 4.1 | 0.0 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | JNC | BASE | 72.000 | 4.56 | 8.00 | 296 | 11.36 | -27.27 | 23.0 | -59.2 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | MALL | BASE | 72.000 | 4.50 | 8.00 | 12130 | 0.00 | 1.10 | 9.6 | 7.6 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | MH3A | BASE | 72.000 | 4.57 | 0.00 | 167 | -59.35 | 26.93 | 194.6 | -57.3 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | м ${ }^{\text {3 }}$ 3 | BASE | 72.000 | 4.41 | 0.00 | 126 | 60.69 | -59.35 | -179.4 | 194.6 |
| 10Y-72H | MH62 | BASE | 72.000 | 4.63 | 0.00 | 180 | -27.27 | 55.51 | -59.2 | 218.8 |
| 10Y-72H | M 64 A | BASE | 72.000 | 4.41 | 0.00 | 124 | 65.51 | -73.77 | 218.8 | -312.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | M ${ }^{\text {6 }}$ 6 ${ }^{\text {B }}$ | BASE | 72.000 | 4.64 | 0.00 | 125 | -73.77 | 50.69 | -312.1 | 218.5 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | MIRLAKES | BASE | 72.000 | 5.73 | 7.50 | 3275237 | $0 . r$ | 16.49 | 120.6 | 28.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | MPABC1 | BASE | 72.000 | 5.76 | 7.50 | 2140660 | -16 | 0.00 | 87.0 | 0.0 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | MPABC2 | BASE | 72.000 | 5.69 | 7.50 | 750044 | - 5.38 | 9.63 | -18.3 | -48.8 |
| 10Y-72H | MPABC3 | BASE | 72.000 | 5.18 | 7.50 | 1796582 | 65.75 | -. 34 | -30.0 | -103.2 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | MPABC4 | BASE | 72.000 | 5.77 | 7.50 | 1390370 | 0.00 | ¢ ${ }^{\text {, }}$ | 54.0 | -4.5 |
| 10Y-72H | MPC | BASE | 72.000 | 4.50 | 8.00 | 31032.3 | 23.54 | 30.4 | 106.3 | 90.8 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | MPCPH1A | BASE | 72.000 | 4.40 | 7.50 | $12193^{\circ}$ | 12.91 | 12.41 | 79.2 | 40.1 |
| 10Y-72H | MPCPHIII | BASE | 72.000 | 5.17 | 7.50 | 198? ${ }^{\text {c }}$ | $r$, 0 | 15.34 | 128.7 | 56.7 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | MPCPHV | BASE. | 72.000 | 4.42 | 7.50 | 1043: | . 00 | 12.91 | 114.8 | 79.2 |
| 10Y-72H | PJ02 | BASE | 72.000 | 4.79 | 7.50 | 33744 | 0.00 | 3.22 | 0.0 | -1.1 |
| 10Y-72H | PJ03 | BASE | 72.000 | 4.79 | 7.50 | 639542 54725 | 3.22 0.64 | 1.64 21.22 | 16.7 -1.1 | -10.6 |
| 10Y-72H | PJO4 | BASE | 72.000 | 4.79 | 7.5 | 51.930 | 10 | -4.80 | 72.7 | 52.1 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | PJ05 | BASE | 72.000 | 4.79 | 7.56 |  | -4 0 | -4.80 | 18.3 | 8.1 -1.9 |
| 10Y-72H | PJ07 | BASE | 72.000 | 4.79 | 7.50 | 798 | 6.88 | -13.42 | 8.7 | -25.9 |
| 10Y-72H | PJ09 | BASE | 72.000 | 4.79 | 7.50 | 548,3 | 4.89 | -19.94 | -48.1 | -61.5 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | PM01 | BASE | 72.000 | 4.80 | 7.50 | $5 \quad 629$ | 37.20 | 35.52 | 48.1 | -144.0 |
| 10Y-72H | PM01A | BASE | 72.000 | $4.8{ }^{\circ}$ | 7.50 | 4714 | -38.61 | 37.20 | -105.3 | 48.1 |
| 10Y-72H | PMO2 | BASE | 72.000 | 4 | . 50 | 9668 | -17.98 | -18.01 | -52.4 | 22.4 |
| 10Y-72H | PM03 | BASE | 72.000 | 30 | . 50 | 3637 | -18.01 | -18.03 | 22.4 | -111.0 |
| 10Y-72H | PMO4 | BASE | 72.000 | . 80 | 1.50 | $7 \quad 351$ | -0.72 | 0.00 | -91.9 | -52.1 |
| 10Y-72H | PM09 | BASE | 72.000 | 80 |  | 83396 | 0.00 | 6.82 | -40.0 | -68.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | PM11 | BASE | 72.000 | $\bigcirc$ | 7.50 | 80547 | 30.77 | -46.17 | -31.0 | -195.9 |
| 10Y-72H | PP06 | BASE | 72.000 | 4. | 7.50 | 71531 | 38.43 | 38.40 | -141.6 | 26.1 |
| 10Y-72H | PP08 | BASE | 72 Ju | $\stackrel{.78}{ }$ | 7.50 | 522738 | 67.30 | 67.72 | 57.7 | 30.1 |
| 10Y-72H | PP09 | BASE | -. 000 | . 75 | 7.50 | 541921 | 89.13 | 68.41 85.66 | 33.8 29.8 | -0.7 |
| 10Y-72H | PP10 | BASE | 2.000 | 45 | 7.50 | 122471 | 124.33 | 124.11 | 564.6 | 486.2 -249.1 |
| 10Y-72H | PP11 | BASE | ?. 000 | 4. | 7.50 | 68157 | 142.31 | 142.19 | -222.5 | -244.2 |
| 10Y-72H | PROMENAD | BASE | 100 | 5. | 7.50 | 653642 | -14.46 | -7.47 | 32.8 | -14.1 |
| 10Y-72H | PSO4 | BASE | 72.0 | 4 , | 7.50 | 65850 | 245.45 | 245.34 | 408.0 | 154.5 |
| 10Y-72H | PS05 | BASE. | 72.1 | 12 | 7.50 | 65134 | 245.34 | 245.24 | 154.5 | 387.9 |
| 10Y-72H | PS06 | BASE | 72.00 L | . 5.6 | 7.50 | 1506170 | 245.24 | 244.55 | 396.6 | 309.1 |
| 10Y-72H | PS07 | BASE | 72.000 | 4.55 | 7.50 | 900973 | 244.55 | 244.91 | 320.5 | 306.7 |
| 10Y-72H | PS08 | BASE | 72.000 | 4.39 | 7.50 | 74272 | 269.40 | 269.37 | 405.1 | 162.9 |
| 10Y-72H | PS09 | BASE | 72.000 | 4.39 | 7.50 | 83424. | 300.03 | 300.00 | 253.7 | 463.8 |
| 10Y-72H | PS10 | BASE | 72.000 | 2.70 | 10.00 | 0 | 300.00 | 0.00 | 463.8 | 0.0 |
| 10Y-72H | RAC12 | BASE | 72.000 | 4.48 | 7.50 | 3420890 | 0.00 | 10.84 | 127.9 | -4.9 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | RAC13 | BASE | 72.000 | 4.47 | 7.50 | 1605089 | 10.84 | 19.05 | 76.3 | 16.3 |
| 10Y-72H | STANDREW | BASE | 72.000 | 5.78 | 7.50 | 538642 | 0.00 | 5.53 | 34.7 | 9.3 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | VOR1 | BASE | 72.000 | 5.75 | 7.50 | 1498120 | -0.32 | 15.95 | 101.5 | 31.7 |
| 10Y-72H | WETLAND | BASE | 72.000 | 4.50 | 7.50 | 755002 | 0.00 | 4.38 | 1.4 | -29.9 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | WTBL | BASE | 72.000 | 2.70 | 6.50 | 0 | 0.00 | 0.00 | 0.0 | 0.0 |

SOUTH BROWARD DRAINAGE DISTRICT
BASINS S-2, S-7 AND S S $-13 \quad 72 \mathrm{HR}$ NODAL STAGE REPORT FOR 100 YR 3 DAY STORM TABLE II-B-15

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface <br> Area ft2 | $\begin{aligned} & \text { Total } \\ & \text { Inflow } \\ & \text { cfs } \end{aligned}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol $\begin{aligned} \text { In } \\ a f\end{aligned}$ | $\begin{array}{r} \text { Total } \\ \text { Vol Out } \\ \text { af } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100Y-72H | 1302 | BASE | 72.000 | 6.56 | 8.00 | 2918502 | 0.00 | 22.95 |  |  |
| 100Y-72H | 1303 | BASE | 72.000 | 6.32 | 8.00 | 1045089 | 22.95 | 28.41 | 176.6 119.7 | 49.7 66.0 |
| 100Y-72H | 1305 | BASE | 72.000 | 6.20 | 8.00 | 393575 | 0.00 | 1.40 | 12.2 | 66.0 8.1 |
| 100Y-72H | 1306 | BASE | 72.000 | 6.20 | 8.00 | 718783 | 1.40 | 2.75 | 43.4 | 10.3 |
| 100Y-72H | 1311 | BASE | 72.000 | 6.19 | 8.00 | 2321945 | 0.00 | 9.98 | 156.6 | 48.0 |
| 100Y-72H | 1312 | BASE | 72.000 | 6.19 | 8.00 | 3619674 | 28.32 | 35.23 | 288.2 | 95.8 |
| 100Y-72H | 1313 | BASE | 72.000 | 6.16 | 8.00 | 588361 | 10.69 | 10.92 | 76.0 | 55.4 |
| 100Y-72H | 1314 | BASE | 72.000 | 6.16 | 8.00 | 776460 | 0.00 | 2.25 | 44.1 | 13.7 |
| 100Y-72H | 1315 | BASE | 72.000 | 6.16 | 8.00 | 9060930 | 27.65 | -8.72 | 460.3 | -52.5 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1316 | BASE | 72.000 | 6.16 | 8.00 | 830273 | -8. | -9.17 | -7.3 | -43.0 |
| 100Y-72H | 1317 | BASE | 72.000 | 6.18 | 8.00 | 3965529 | 1. | 8.69 | 134.3 | -43.4 |
| 100Y-72H | 1318 | BASE | 72.000 | 6.18 | 8.00 | 231551 | . 00 | 0.41 | 10.9 | - 0.7 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1319 | BASE | 72.000 | 6.18 | 8.00 | 3801387 | 22.66 | 76 | 234.7 | 52.3 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1320 | BASE | 72.000 | 6.18 | 8.00 | 246007 | 0.00 | $\checkmark 1$ | 11.7 | 0.8 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1321 | BASE | 72.000 | 6.19 | 8.00 | 249077 | 12.82 | 13. | 25.8 | 16.4 |
| 100Y-72H | 1FOX2 | BASE | 72.000 72.000 | 5.72 5.72 | 8.00 | ${ }_{5}^{443}$ | 400.73 | 14.93 | 1160.9 | 66.0 |
| 100Y-72H | 1F0X3 | BASE | 72.000 | 5.72 | 8.00 | 80 | . 89 | 164.10 | -19.0 | -251.0 |
| 100Y-72H | 1FOX4 | BASE | 72.000 | 5.72 | 8.00 | 800\%. | 17.70 | 236.62 | -237.2 | 510.7 |
| 100Y-72H | 1101 | BASE | 72.000 | 5.89 | 7.50 | 590684 | 0.00 | 5.03 | 55.9 | 650.2 34.9 |
| 100Y-72H | 1103 | BASE | 72.000 | 5.88 | 7.58 | 438658 | 5.03 | 5.50 | 46.9 | 34.9 28.4 |
| 100Y-72H | 1105 | BASE | 72.000 | 5.88 | 7.9 | - 5124.9 | . 50 | 12.42 | 46.9 146.8 | 28.4 13.8 |
| 100Y-72H | 1107 | BASE | 72.000 | 5.86 | 7.5 |  | 1. 2 | 23.94 |  | 13.8 46.4 |
| 100Y-72H | 1109 | BASE | 72.000 | 5.82 | 7.50 | 54 , | 13.13 | -17.73 | 187.5 26.0 | 46.4 -34.9 |
| 100Y-72H | 1111 | BASE | 72.000 | 5.82 | 7.50 | 5, 3 | -7.73 | 12.71 | -34.9 | $\begin{array}{r}\text {-34.9 } \\ \hline 19.8\end{array}$ |
| 100Y-72H | 1 J 10 | BASE | 72.000 | 5.81 | 7.50 | 4.452 | -29.12 | -30.97 | -34.9 14.6 | -50.1 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 J 11 | BASE | 72.000 | 5.75 | 7.50 | +2942 | -28.94 | -29.12 | -17.9 | -20.9 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 J 12 | BASE | 72.000 | 5 | . 50 | 43031 | -28.75 | -28.94 | -15.2 | -17.9 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 J 13 | BASE | 72.000 | 17 | . 50 | 5232 | -28.62 | -28.75 | -13.0 | -15.2 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 J 14 | BASE | 72.000 | $\bigcirc .77$ | 1.50 | 1) 173 | -23.56 | -28.62 | 57.9 | -13.0 |
| 100Y-72H | 1 J 15 | BASE | 72.000 | . 77 |  | ¢9365 | -61.55 | -61.87 | -35.2 | -38.5 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{KO1}$ | BASE | 72.000 | 57 | 7.50 | 33351 | 0.00 | -0.12 | 0.0 | -2.6 |
| 100Y-72H | 1K02 | BASE | 72.00 | 5.7 | 7.50 | 1114683 | 9.70 | 18.89 | 85.1 | 44.1 |
| 100Y-72H | 1 K 03 | BASE | 77 ju | 5.71 | 7.50 | 640284 | 5.80 | 67.08 | 194.6 | 105.5 |
| 100Y-72H | 1 K 04 | BASE | -. 000 | 70 | 7.50 | 5837771 | 132.30 | 157.92 | 525.1 | 19.6 232.5 |
| 100Y-72H | 1 K 05 | BASE | 2.000 | $\pm 3$ | 7.50 | 760243 | 0.00 | 9.70 | 64.2 | 192.5 35.8 |
| 100Y-72H | 1 L 01 | BASE | ?. 000 | 5. ; | 7.50 | 44408 | 19.81 | 19.52 | 34.8 | 35.8 12.0 |
| 100Y-72H | 1 L 02 | BASE | 000 | 5. | 7.50 | 1757906 | 19.52 | 16.31 | 72.1 | 18.8 |
| 100Y-72H | 1 L 03 | BASE | 7.10 | 5 ; | 7.50 | 34157 | 16.31 | -29.25 | 18.8 | -184.1 |
| 100Y-72H | 1L04 | BASE | $72 . \mathrm{L}$ | 38 | 7.50 | 344774 | 0.00 | 3.49 | 38.8 | 25.8 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 L 05 | BASE | 72.00 | -. 85 | 7.50 | 70581 | -25.76 | 38.86 | -158.3 | 102.7 |
| 100Y-72H | 1 L 06 | BASE | 72.000 | 5.85 | 7.50 | 2592023 | 39.57 | 15.01 | 207.1 | -14.9 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 L 07 | BASE | 72.000 | 5.85 | 7.50 | 235034 | 15.01 | 13.78 | 18.7 | 6.7 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 L 08 | BASE | 72.000 | 5.85 | 7.50 | 345815 | 0.00 | 0.00 | 17.7 | 3.6 |
| 100Y-72H | 1 L 09 | BASE | 72.000 | 5.85 | 7.50 | 45419 | 13.78 | 13.63 | 10.3 | 6.1 |
| 100Y-72H | 1 L 10 | BASE | 72.000 | 5.85 | 7.50 | 829004 | 13.63 | 12.92 | 46.4 | 8.7 |
| 100Y-72H | 1 L 11 | BASE | 72.000 | 5.83 | 7.50 | 323619 | 12.92 | 11.71 | 13.8 | -3.1 |
| 100Y-72H | $1 \mathrm{L16}$ | BASE | 72.000 | 5.85 | 7.50 | 296874 | 0.00 | 0.71 | 22.4 | 8.8 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1M06 | BASE | 72.000 | 5.94 | 7.50 | 1038917 | 0.00 | 8.53 | 77.2 | 30.6 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{M07}$ | BASE | 72.000 | 5.90 | 7.50 | 1099179 | 22.73 | 25.30 | 124.8 | 52.4 |
| $10 \mathrm{Y}-72 \mathrm{H}$ | 1M13 | BASE BASE | 72.000 72.000 | 5.80 5.90 | 7.50 7.50 | 888763 224563 | 25.30 0.00 | 26.97 2.14 | 90.7 21.4 | 42.7 14.1 |

BASINS S-2, S-7 AND S-13 72 HR NODAL STAGE REPORT FOR 100 YR 3 DAY STORM

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface <br> Area ft2 | $\begin{gathered} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{gathered}$ | Total Outflow cfs | Total Vol $\begin{aligned} & \text { In } \\ & a f\end{aligned}$ | Total Vol Out af |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100Y-72H | $1 \mathrm{M14}$ | BASE | 72.000 | 6.23 | 7.50 | 595818 | 0.00 | 7.18 | 38.9 | 19.6 |  |
| 100Y-72H | 1M15 | BASE | 72.000 | 6.08 | 7.50 | 588865 | 7.18 | 12.05 | 57.5 | 33.5 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1M16 | BASE | 72.000 | 5.82 | 7.50 | 141806 | 0.00 | 1.28 | 17.8 | 11.5 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{M17}$ | BASE | 72.000 | 5.83 | 7.50 | 232301 | 0.00 | 1.69 | 25.9 | 17.1 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 N 01 | BASE | 72.000 | 5.70 | 7.50 | 3764886 | 11.45 | 38.42 | 282.4 | 82.2 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1001 | BASE | 72.000 | 6.18 | 7.50 | 1213229 | 0.00 | 2.28 | 48.3 | 3.2 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1002 | BASE | 72.000 | 5.89 | 7.50 | 702621 | 2.28 | 2.82 | 33.9 | 6.1 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 P 01 | BASE | 72.000 | 5.79 | 7.50 | 2884079 | 12.70 | 9.14 | 196.8 | 39.6 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{P02}$ | BASE | 72.000 | 5.79 | 7.50 | 2628740 | 9.11 | 7.87 | 185.7 | 53.3 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | $1 \mathrm{P03}$ | BASE | 72.000 | 5.79 | 7.50 | 452616 | 0 | 0.00 | 23.9 | 5.8 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1001 | BASE | 72.000 | 5.83 | 7.50 | 1655609 | , 0 | 2.72 | 97.0 | 3.9 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1002 | BASE | 72.000 | 5.79 | 7.50 | 3105623 | 3.. 11 | $\because 70$ | 186.5 | 53.2 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ $100 \mathrm{Y}-72 \mathrm{H}$ | 1 l 031 | BASE | 72.000 | 5.82 | 7.50 | 3570260 | 11.49 | - ${ }^{11}$ | 343.7 | 152.3 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1R01 | BASE | 72.000 72.000 | 6.09 6.08 | 7.50 7.50 | 966064 204545 | 0.00 5.93 | 16.2. | 55.6 117.5 | 23.6 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1 R 03 | BASE | 72.000 | 5.96 | 7.50 | $1230{ }^{\circ}$ | $\begin{array}{r}\text { 17.93 } \\ \\ \hline 1\end{array}$ | 16.2 23.30 | 118.5 | 30.2 65.5 |  |
| 100Y-72H | 1 R 12 | BASE | 72.000 | 5.96 | 7.50 | 25 C - | - 30 | 0.91 | 12.9 | 3.9 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 1V09 | BASE | 72.000 | 4.95 | 7.50 | 58832. | J. 00 | -1.13 | 233.5 | -4.2 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | $2 \mathrm{FOX1U}$ | BASE | 72.000 | 5.72 | 8.00 | 504830 | 24.97 | 37.18 | 103.6 | 97.4 |  |
| 100Y-72H | 2FOX2A | BASE | 72.000 | 5.81 | 8.00 | 172 | -3.21 | -0.79 | -2.1 | 4.0 |  |
| 100Y-72H | 2FOX2B | BASE | 72.000 | 5.73 | 8.0 | 4031 | า. 94 | 1.95 | 10.6 | 18.6 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2FOX2C | BASE | 72.000 | 5.73 | 8.0 | -207 | 70 | 0.94 | 7.2 | 4.5 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2FOX2D | BASE | 72.000 | 5.72 | 8.00 |  | 0.0 | 0.70 | 5.5 | 4.0 |  |
| 100Y-72H | 2FOX2E | BASE | 72.000 | 5.72 | 8.00 | 97 | 0.00 | 2.45 | 19.4 | 16.5 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2FOX2Z | BASE | 72.000 | 5.74 | 0.00 | 35 | -3.18 | -3.21 | -4.4 | -7.8 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2118 2 J 17 | BASE | 72.000 | 5.81 | 7.50 | 3675 | 0.00 | 5.49 | 123.1 | 21.8 |  |
| 100Y-72H | 2 J 17 | BASE | 72.000 72.000 | 5.9 | 7.50 . | 11388 | 0.00 | 22.45 | 373.5 | 74.2 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2 M 12 | BASE | 72.000 | . 71 | . 50 | 3. $\quad 1113$ | 0.00 0.00 | 0.43 25.29 | 15.5 176.6 | 4.4 19.2 |  |
| 100Y-72H | 2M18 | BASE | 72.000 | 5.84 | 7 m | 1.778 | 25.29 | 37.31 | 119.6 | 110.7 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2N02 | BASE | 72.000 | 84 |  | \%87544 | 0.00 | 5.07 | 121.9 | -7.9 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2N03 | BASE | 72.000 |  | 7.50 | 1827251 | 5.07 | 8.77 | 92.3 | 4.4 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2003 | BASE | 72.000 | 5. | 7.50 | 783570 | 1.99 | 1.69 | 36.9 | 6.7 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ $100 \mathrm{Y}-72 \mathrm{H}$ | 2008 | BASE | 72. | 5.80 | 7.50 | 1563886 | 0.76 | 2.38 | 65.3 | 7.5 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2014 | BASE | 7.000 | 80 | 7.50 | 230852 | 0.00 | 0.93 | 15.7 | 8.3 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ $100 \mathrm{Y}-72 \mathrm{H}$ | 2015 | BASE | , 12.000 | $5{ }^{2}$ | 7.50 | 202122 | 0.93 | 0.87 | 14.1 | 6.7 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2017 | BASE | - 000 | 5. | 7.50 | 146711 | 0.87 | 0.87 0.74 | 10.6 | 4.9 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2018 | BASE | 7. 00 | 5. | 7.50 | 139104 | 0.74 | 1.35 | 6.5 14.6 | 4.1 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2019 | BASE | 72. | 50 | 7.50 | 94472 | 1.35 | 1.30 | 12.2 | 8.5 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2020 | BASE | 72.0 | 80 | 7.50 | 259246 | 1.30 | 1.13 | 15.4 | 8.5 5.2 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2021 | BASE | 72.000 | 3. 80 | 7.50 | 202067 | 0.00 | -0.07 | 15.4 5.7 | -1.5 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2022 | BASE | 72.000 | 5.80 | 7.50 | 146677 | 0.00 | -0.30 | 2.9 | -2.9 |  |
| 100Y-72H | 2023 | BASE | 72.000 | 5.80 | 7.50 | 345555 | 2.38 | 2.13 | 16.6 | - 3.0 |  |
| 100Y-72H | 2024 | BASE | 72.000 | 5.80 | 7.50 | 146667 | 2.13 | 2.03 | 6.9 | 1.3 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2025 | BASE | 72.000 | 5.80 | 7.50 | 43415 | 2.03 | 1.99 | 6.9 2.4 | 1.3 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2R04 | BASE | 72.000 | 5.76 | 8.00 | 40645 | 0.00 | -13.29 | 24.4 | 82.1 |  |
| 100Y-72H | 2R05 | BASE | 72.000 | 5.59 | 8.00 | 83612 | 4.56 | 5.74 | 21.3 | 18.2 |  |
| 100Y-72H | 2 R 06 | BASE | 72.000 | 5.56 | 8.00 | 133629 | 5.74 | 7.10 | 29.5 | 23.6 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2R07 | BASE | 72.000 | 5.52 | 8.00 | 160302 | 7.10 | 9.09 | 41.2 | 35.7 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2R08 | BASE | 72.000 | 5.48 | 8.00 | 192623 | 10.02 | 11.87 | 61.7 | 54.2 |  |
| 100Y-72H | $2 \mathrm{R09}$ | BASE | 72.000 | 5.46 | 8.00 | 340705 | 11.87 | 14.68 | 86.5 | 72.2 |  |
| 100Y-72H | 2R10 | BASE | 72.000 | 5.43 | 8.00 | 162392 | 14.68 | 15.95 | 87.9 | 84.9 |  |



| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total <br> Vol In | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100Y-72H | 2R14 | BASE | 72.000 | 5.49 | 8.00 | 82208 | 0.00 | 0.93 | 9.4 | 6.6 |
| 100Y-72H | 2R16 | BASE | 72.000 | 5.78 | 8.00 | 36795 | 0.28 | -15.67 | 10.6 | 80.0 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 2R17 | BASE | 72.000 | 5.78 | 8.00 | 12579 | 0.00 | 0.28 | -0.0 | $-1.6$ |
| 100Y-72H | 3119 | BASE | 72.000 | 6.21 | 7.50 | 592261 | 0.00 | 14.00 | 58.4 | 36.0 |
| 100Y-72H | 3 I 20 | BASE | 72.000 | 6.02 | 7.50 | 1507574 | 14.00 | 20.58 | 104.1 | 36.6 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 3 I 21 | BASE | 72.000 | 5.89 | 7.50 | 1048097 | 0.00 | -0.67 | 47.4 | -3.5 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 3122 | BASE | 72.000 | 5.89 | 7.50 | 560700 | 19.91 | 19.81 | 59.6 | 34.8 |
| 100Y-72H | 3 J 18 | BASE | 72.000 | 5.78 | 7.50 | 2115405 | 0.00 | 11.37 | 120.6 | 45.9 |
| 100Y-72H | 3 J 19 | BASE | 72.000 | 5.78 | 7.50 | 9592 | $11.3{ }^{\circ}$ | 11.34 | 45.9 | 45.3 |
| 100Y-72H | 3 J 20 | BASE | 72.000 | 5.77 | 7.50 | 9593 | 0 | -0.02 | 0.0 | -0.8 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 3 J 21 | BASE | 72.000 | 5.77 | 7.50 | 9599 | ง2 | -0.04 | -0.8 | -1.3 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 3 J 22 | BASE | 72.000 | 5.77 | 7.50 | 9608 | -J. 04 | 7.00 | -1.3 | -2.0 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 3L13 | BASE | 72.000 | 6.11 | 7.50 | 2930236 | 3.35 | + 92 | 155.0 | 27.3 |
| 100Y-72H | 3 L 14 | BASE | 72.000 | 6.09 | 7.50 | 2600751 | 14.82 | 26. | 169.1 | 60.0 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 3 L 15 | BASE | 72.000 | 6.12 | 7.50 | $4421^{\circ}$ | 0.00 | 3.3 | 36.3 | 18.2 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 3004 | BASE | 72.000 | 6.00 | 7.50 | 1047 | 577 | 10.95 | 62.3 | 21.6 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 3005 | BASE | 72.000 | 5.95 | 7.50 | 107. 9 | . 95 | 15.04 | 73.4 | 29.2 |
| 100Y-72H | 3006 | BASE | 72.000 | 5.86 | 7.50 | 5112. | 3. 04 | 17.74 | 72.4 | 49.7 |
| 100Y-72H | 3007 | BASE | 72.000 | 5.83 | 7.50 | $68073{ }^{\circ}$ | 17.74 | 18.64 | 90.1 | 53.1 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 3010 | BASE | 72.000 | 6.06 | 7.50 | 851958 | 0.00 | 3.15 | 33.0 | -0.6 |
| $100 \mathrm{Y}-72 \mathrm{H}$ $100 \mathrm{Y}-72 \mathrm{H}$ | 3011 | BASE | 72.000 72.000 | 6.05 5.81 | 7.5 | 352571 | 3.15 | 5.77 | 25.7 | 11.8 |
| 100Y-72H | 4 J 21 | BASE | 72.000 | 5.81 | 7.51 | 50. | - 30 | 3.02 1.07 | 39.9 27.5 | 15.6 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | 4 J 22 | BASE | 72.000 | 5.81 | 7.50 | 494 | 0.00 | 0.73 | 21.7 | 3.7 |
| 100Y-72H | 4009 | BASE | 72.000 | 6.40 | 7.50 | $14{ }^{\text {r }}$, 50 | 0.00 | 19.94 | 69.9 | 39.5 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | AVALON | BASE | 72.000 | 6.47 | 7.50 | - 2318 | 17.79 | 37.08 | 233.6 | 39.5 113.1 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | CCH | BASE | 72.000 | 7.5 | 9.00 | 35552 | -0.00 | 1.79 | 12.2 | 9.2 |
| 100Y-72H | CONN | BASE | 72.000 | - 3 | . 50 | 174 | -33.53 | 60.86 | 149.7 | -180.4 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | FAM | BASE | 72.000 | . 85 | 3.00 | 3757 | 0.00 | 11.15 | 15.9 | 17.3 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | FU01 | BASE | 72.000 | 5.26 | 7 ¢ | 3744 | 0.00 | -1.37 | 0.0 | 5.4 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | FU02 | BASE | 72.000 | 26 |  | 390984 | 38.40 | 37.93 | 73.7 | 36.6 |
| $100 \mathrm{Y}-72 \mathrm{H}$ $100 \mathrm{Y}-72 \mathrm{H}$ | FU03 | BASE | 72.000 |  | 7.50 | 8786 | 37.93 | 37.85 | 36.6 | 66.4 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | FU05 | BASEE | 72. | 5.23 | 7.50 7.50 | 107665 | 184.32 183.51 | 183.51 179.49 | 359.0 -195.9 | -217.2 630.5 |
| 100Y-72H | FU06 | BASE | 7.000 | . 23 | 7.50 | 95816 | 179.49 | 178.74 | - 630.5 | 630.5 297.2 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | FV01 | BASE | $\angle .000$ | 1.0 | 7.50 | 631548 | 216.04 | 212.06 | 396.5 | 967.5 |
| 100Y-72H | FV02 | BASE | 72.000 | 50 | 7.50 | 174281 | 212.06 | 210.50 | 967.5 | -233.9 |
| 100Y-72H | FV03 | BASE | -. 000 | 5.) | 7.50 | 78468 | 210.50 | 209.78 | -233.9 | 391.7 |
| 100Y-72H | FVO4 | BASE | $\bigcirc{ }^{7} 00$ | 42 | 7.50 | 8815 | 209.78 | 209.67 | 391.7 | 330.7 |
| 100Y-72H | FV05 | BASE | 72. | 1,9 | 7.50 | 8782 | 209.67 | 209.56 | 330.7 | 407.1 |
| 100Y-72H | FV06 | BASE | 72.0 | . 44 | 7.50 | 8783 | 209.56 | 209.44 | 407.1 | 340.0 |
| 100Y-72H | FV07 | BASE | 72.000 | 4.31 | 7.50 | 46962 | 209.44 | 208.77 | 340.0 | 409.4 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | FV08 | BASE | 72.000 | 4.30 | 7.50 | 319841 | 208.77 | 205.11 | 418.7 | 322.2 |
| 100Y-72H | FW01 | BASE | 72.000 | 4.30 | 7.50 | 86670 | 205.11 | 203.87 | 322.2 | 401.3 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | FW02 | BASE | 72.000 | 4.29 | 7.50 | 356704 | 203.87 | 199.79 | 412.0 | 337.8 |
| 100Y-72H | FW03 | BASE | 72.000 | 4.24 | 7.50 | 49159 | 199.79 | 199.07 | 337.8 | 419.5 |
| 100Y-72H | FW05 | BASE | 72.000 | 4.23 4.22 | 7.50 7.50 | 85859 | 199.07 | 197.80 | 419.5 | 307.4 |
| $100 \mathrm{Y}-72 \mathrm{H}$ | FX01 | BASE | 72.000 | 4.17 | 7.50 | 307315 8924 | 197.80 194.34 | 194.34 | 318.0 | 432.8 |
| 100Y-72H | EX02 | BASE | 72.000 | 4.13 | 7.50 | 233883 | 194.21 | 191.82 | 432.8 287.8 | 386.1 |
| 100Y-72H | FX03 | BASE | 72.000 | 4.08 | 7.50 | 44204 | 191.82 | 191.17 | 386.8 | 289.8 |
| 100Y-72H | FX04 | BASE | 72.000 | 4.07 | 7.50 | 645925 | 229.41 | 222.13 | 353.7 | 439.6 |
| 100Y-72H | FY01 | BASE | 72.000 | 4.02 | 7.50 | 8770 | 222.13 | 222.00 | 439.6 | 396.0 |



| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{gathered} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{gathered}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol $\begin{aligned} & \text { In } \\ & a f\end{aligned}$ | $\begin{array}{r} \text { Total } \\ \text { Vol Out } \\ \text { af } \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100Y-72H | FY02 | BASE | 72.000 | 2.70 | 10.00 | 0 | 222.00 | 0.00 | 396.0 | 0.0 |  |
| 100Y-72H | GW | BASE | 72.000 | 2.70 | 2.70 | 0 | 1.74 | 0.00 | 5.6 | 0.0 |  |
| 100Y-72H | JNC | BASE | 72.000 | 5.82 | 8.00 | 296 | 10.36 | -25.28 | 21.3 | -61.8 |  |
| 100Y-72H | MALL | BASE | 72.000 | 5.72 | 8.00 | 12613 | 0.00 | 1.77 | 15.6 | 13.9 |  |
| 100Y-72H | MH3A | BASE | 72.000 | 5.79 | 0.00 | 167 | -59.07 | 27.12 | 212.1 | -52.2 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | MH3B | BASE | 72.000 | 5.63 | 0.00 | 126 | 60.86 | -59.07 | -180.4 | 212.1 |  |
| 100Y-72H | MH62 | BASE | 72.000 | 5.88 | 0.00 | 180 | -25.28 | 66.76 | -61.8 | 227.5 |  |
| 100Y-72H | MH64A | BASE | 72.000 | 5.64 | 0.00 | 124 | 66.76 | -71.74 | 227.5 | -321.9 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | MH64B | BASE | 72.000 | 5.87 | 0.00 | 125 | -71.74 | 52.00 | -321.9 | 225.3 |  |
| 100Y-72H | MIRLAKES | BASE | 72.000 | 6.59 | 7.50 | 5384565 | $0 . \mathrm{r}$ | 6.88 | 198.0 | 19.6 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | MPABC1 | BASE | 72.000 | 6.68 | 7.50 | 4522871 | -15 ${ }^{5}$ | 0.00 | 153.4 | 19.0 |  |
| 100Y-72H | MPABC2 | BASE | 72.000 | 6.62 | 7.50 | 1596150 | -. 84 | $\bigcirc .71$ | -16.4 | -70.2 |  |
| 100Y-72H | MPABC3 | BASE | 72.000 | 6.12 | 7.50 | 2677274 | -63.44 | 52 | -32.1 | -149.1 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | MPABC4 | BASE | 72.000 | 6.68 | 7.50 | 2160156 | 0.00 | - 3 | 86.4 | -7.9 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | MPC | BASE | 72.000 | 5.72 | 8.00 | $69984{ }^{\circ}$ | 37.18 | 49. | 178.0 | 150.5 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | MPCPH1A | BASE | 72.000 | 5.43 | 7.50 | $18834^{\prime}$ | 15.48 | 7.13 | 118.0 | 43.3 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | MPCPHIII | BASE | 72.000 | 6.12 | 7.50 | 384. 6 | $r, 0$ | 12.21 | 207.7 | 71.0 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ $100 \mathrm{Y}-72 \mathrm{H}$ | MPCPHV | BASE | 72.000 | 5.46 | 7.50 | 1649. | . 00 | 15.48 | 182.9 | 118.0 |  |
| $100 Y-72 \mathrm{H}$ $100 \mathrm{Y}-72 \mathrm{H}$ | PJ01 | BASE | 72.000 | 5.81 | 7.50 | 3568. | 0.00 | 5.34 | 0.0 | 1.2 |  |
| $100 Y-72 \mathrm{H}$ $100 \mathrm{Y}-72 \mathrm{H}$ | PJO2 PJO3 | BASE | 72.000 | 5.81 | 7.50 | 1035666 | 5.34 | -0.34 | 35.9 | -13.6 |  |
| 100Y-72H | PJO4 | BASE | 72.000 | 5.81 | $7.5 r$ | 57918 | 0.47 | 35.47 | 6.8 | 68.9 |  |
| 100Y-72H | PJ05 | BASE | 72.000 | 5.81 | 7.5 | 8 | 66 | 5.53 | 123.3 | 48.8 |  |
| 100Y-72H | PJ07 | BASE | 72.000 | 5.81 | 7.50 |  | 3 | 21.15 | 65.4 | 15.6 |  |
| 100Y-72H | PJ09 | BASE | 72.000 | 5.81 | 7.50 | 655 | 26.64 | -10.43 | 37.5 | 20.5 |  |
| 100Y-72H | pmol | BASE | 72.000 | 5.81 | 7.50 | ${ }_{5} .141$ | 36.38 63.89 | -20.85 | 0.3 | -36.2 |  |
| 100Y-72H | PM01A | BASE | 72.000 | $5.8{ }^{\text {- }}$ | 7.50 | +0364 | -34.00 | 63.29 | 194.4 | 60.5 |  |
| 100Y-72H | PMO2 | BASE | 72.000 | 5 | . 50 | 9668 | -19.15 | -19.21 | 122.1 | 194.4 |  |
| 100Y-72H | PM03 | BASE | 72.000 | $\checkmark 2$ | . 50 | 9637 | -19.21 | -19.26 | -26.2 | -58.9 |  |
| 100Y-72H | PM04 | BASE | 72.000 | J. 82 | 1.50 | ¢ 381 | -5.86 | -19.26 -6.95 | 26.9 | -58.1 |  |
| 100Y-72H | PM09 | BASE | 72.000 | $\because .82$ |  | $\bigcirc 5619$ | -6.95 | -6.95 | -12.0 | -9.5 -10.5 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PM11 | BASE | 72.000 | '2 | 7.50 | 84165 | 24.34 | -71.31 | 49.6 | -10.5 |  |
| 100Y-72H | PP06 | BASE | 72.000 | 5. | 7.50 | 72769 | 63.08 | 62.63 | 6.6 | -54.7 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PP07 | BASE | 72.0 | 5.7 | 7.50 | 641229 | 70.49 | 68.89 | 237.6 | 199.0 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PP08 | BASE | 73 Ju | 5.77 | 7.50 | 607328 | 70.58 | 67.96 | 213.4 | 170.4 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PP09 9 | BASE | . 000 | 75 | 7.50 | 66844 | 87.90 | -83.50 | 209.9 | 452.1 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PP10 | BASE | 2.000 | $\therefore 5$ | 7.50 | 125469 | -46.41 | 209.79 | 565.3 | 125.6 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PP11 | BASE | ?. 000 | 5. | 7.50 | 69295 | 228.43 | 141.19 | 178.7 | 387.9 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PROMENAD | BASE | 000 | 6. | 7.50 | 1762487 | -13.64 | -6.08 | 56.4 | -12.4 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PSO4 | BASE | $7{ }^{7}{ }^{\text {72 }}$ '0 | 53 | 7.50 | 66352 | 240.14 | 239.95 | 727.3 | 550.6 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PS05 | BASE | $72 . し$ | 12 | 7.50 | 65952 | 239.95 | 239.51 | 550.6 | 713.1 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | PS06 | BASE | 72.00 | -. 57 | 7.50 | 1722814 | 239.51 | 231.38 | 727.3 | 611.3 |  |
| 100Y-72H | PS08 | BASE | 72.000 72.000 | 5.56 | 7.50 | 1036871 | 231.38 | 227.66 | 629.7 | 583.9 |  |
| 100Y-72H | PS09 | BASE | 72.000 | 5.43 5.42 | 7.50 | 76298 | 250.74 | 250.40 | 712.0 | 544.0 |  |
| 100Y-72H | PS10 | BASE | 72.000 | 2.70 | 10.00 | 85983 | 300.39 | 300.00 | 694.5 | 836.8 |  |
| 100Y-72H | RAC12 | BASE | 72.000 | 5.44 | 7.50 | 3894842 | 0.00 | 0.00 | 836.8 | 0.0 |  |
| 100Y-72H | RAC13 | BASE | 72.000 | 5.42 | 7.50 | 1967493 | 22.85 | 22.85 | 212.0 | 0.4 |  |
| 100Y-72H | STANDREW | BASE | 72.000 | 6.74 | 7.50 | 1300666 | 0.00 | 8.53 | 138.9 | 39.9 |  |
| 100Y-72H | VOR1 | BASE | 72.000 | 6.67 | 7.50 | 3777152 | -2.37 | 16.22 | 171.6 | 13.4 |  |
| 100Y-72H | WETLAND | BASE | 72.000 | 5.72 | 7.50 | 780925 | 0.00 | 6.22 6.89 | 17.6 3.0 | -46.2 |  |
| $100 \mathrm{Y}-72 \mathrm{H}$ | WTBL | BASE | 72.000 | 2.70 | 6.50 | 0 | 0.00 | 0.00 | 0.0 | -0.0 |  |

## SOUTH BROWARD DRAINAGE DISTRICT


BASIN S-3


## BASIN S-3

## DESCRIPTION

Basin S-3 is located in the south central quadrant of the District and encompasses over 9 square miles. This basin lies within the Cities of Pembroke Pines and Miramar and is bordered on the north by Pines Boulevard, on the east by Flamingo Road, on the south by the Florida Turnpike Extension and the SFWMD C-9 Canal, and on the west by SW $172^{\text {nd }}$ Avenue and Interstate-75. The overall boundaries of the $\mathrm{S}-3$ Basin and its existing facilities are shown in Figure II-C-1.

The vast majority of the basin has been developed, and for those properties that are left to be developed, the required water management system is in place and operational.

Since 2005, the following improvements have been complet $d$ within the S-3 Basin:

- Upgrades to the control panels for the S-3 pum $\quad$. +ion.
- Installation of revetment stabilization at misrenaneou lake interconnects.
- Miscellaneous culvert cleanings.

The following new developments have been con. ${ }^{1}$ etr

* Homeland Security, Fountain S. . . Hess • Park Plaza, Monarch Professional Center, Shoppes of Pembroke ( urde ${ }_{\perp} n_{0}$ mbroke Harbor, Cobblestone Plaza, Marketplace Shoppes, Libertv Mut a’ Loreal, FAA Office, Keiser University, and Tropical Miramar Storar .

The following infrastructure i. nro _mu .re proposed for the S-3 Basin:

- Replacement $c^{r}$.ne $v$. $\operatorname{dd} \mathrm{l}$. ss roof at the $\mathrm{S}-3$ pump station with a concrete roof structure.
- Installation $\mathrm{o}_{1}$, 48 " in rrconnect from the Duke Pembroke/Pembroke Harbor water managemt. sys -m to the Monarch Lakes outfall canal.
- Continued dredging .nd deepening of SBDD primary and/or secondary canals.
- Continued hardening of lake banks and headwalls at critical lake interconnect locations.
- Installation of boat ramps for improved access by SBDD maintenance crews.
- Miscellaneous culvert repairs/replacements.


## METHODOLOGY

The vast majority of property in Basin S-3 has been developed and for the majority of those properties remaining to be developed, the basin/overall water management system has been constructed and is operational. The developments within Basin S-3 have been designed with interconnected lake and canal systems discharging to the District's primary Canal No. 4, which conveys stormwater from Basin S-3 south to the SFWMD C9 Canal via the S-3 Pump Station with a total allowable permitted discharge of 200 cfs .

Water quality requirements and discharge rates from the S-3 Basin are regulated by the SFWMD Permit \# 06-00095-S.

The control water elevation for the S-3 basin is 3.0' NGVD with the exception of Lido Isles, which has a control water elevation of $3.5^{\prime}$ NGVD that is maintained though a control structure leaving from that development. Figure II-C-3 shows the differing control water elevations within the basin.

Figure II-C-1 depicts the existing facilities in Basin S-3 and Table II-C-2 provides the existing culvert schedule for the basin. Figures II-C-4, II-C-5, II-C-6, and II-C-7 show the existing flood gates, control structures, staff gauges, and fish guards within Basin S-3, respectively, with corresponding Schedule Tables II-C-3, II-C-4, II-C-5 and II-C-6.

## MODEL ANALYSIS

The AdICPR modeling for the Basin S-3 was updated ir $\angle 012$ for inclusion in the 2013 Facilities Report update.

As mentioned above, the water management sys -m for the tire $\mathrm{S}-3$ basin is in place and operational. In the 2005 Facilities Repor ${ }^{+}$」pdate 't was noted that the re-routing of a portion of the discharge leading from the "Wc s" astern parcel to the Monarch Lakes outfall canal would reduce the peak stage du. tions in the Century Village water management system caused by the cos $\quad \mathrm{t} .{ }^{\circ} \cap \mathrm{n}$ of t . Washington Street canal to twin 66 " diameter culverts.

The AdICPR model for the $\Gamma 3 \mathrm{~L}$ sin 1 is been updated to further evaluate this interconnect with a 48 " dia eter c' vert. 148 " diameter interconnect will achieve the desired result of reducing the ${ }^{1}$, ation or peak stages in the northeast quadrant of the basin while limiting ? "vers impacts to the downstream stages. This future 48" diameter interconn ${ }^{\circ}$, is refle. ed c. the Basin S-3 Proposed Facilities Map (Figure II-C2). Computer simu tions of i e future conveyance system was performed for the 10year, 3-day and 100-yc -. 3-d storm events.

Figure II-C-8 shows the overall AdICPR nodal diagram for Basin S-3 and Tables II-C-7 and II-C-8 list the AdICPR output data for maximum stages and 72-hour stages at each node within the basin.

## SUMMARY \& RECOMMENDATIONS

The model results from both 2005 and 2012 indicate that Basin S-3 is adequately served under the ultimate developed basin condition and meets the District's adopted Level of Service for the 10 -year and 100-year storm events. The 10 -year, 3 -day and 100 -year, 3 day flood stages are maintained below minimum road crown and minimum finished floor elevations respectively. The analysis based on the basin improvement described above shows that the duration of peak stages will be reduced in the northeast quadrant of the basin.

The following basin improvements are recommended in order to reinforce existing District facilities and to lower peak stage durations in the northeast quadrant of Basin S3:

- Replacement of the wood truss roof at the S-3 pump station with a concrete roof structure.
- Installation of a 48 " diameter interconnect from the Duke Pembroke/Pembroke Harbor water management system to the Monarch Lakes outfall canal.
- Installation of an automated, adjustable sluice gate and 60" culvert between the Century Village water management system and the Flamingo Road Canal (SBDD Canal No. 3) to provide a basin interconnect between the S-3 and S-7 basins.
- All undeveloped areas to provide a minimum of $20 \%$ water management area, or equivalent.

TABLE II-C-1



Calini, Giovadno 8 Associales, hnc:
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-3 EXISTING FACILITIES MAP

## Legend

$\sim \sim$ SFWMD Canal

- Culverts 2012SBDD Pump Station
$\sum$ Water Bodies

TABLE II-C-2

| BASIN S-3 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{\text {d }}$ | Suldivison | Location | Site | Material | Shupe | Length | General Comments |
| $\frac{3}{3-1}$ | SW 188id Ave. EMiramar Rhyy | Sw 1 seht Ave. \& Miramar | $146 \times 25$ | CMP | ELIP. | ${ }^{131}$ |  |
| 3,2.1 | ${ }_{\text {S. }}^{5}$ P Pump Staion | 14801 Bass Creek Rd. | ${ }_{4}$ | Stegi | CIRC. | ${ }^{60}$ | 45 KPM, Pmp \#1 $^{1}$ |
| ${ }^{322}$ | ${ }_{\text {S.3.Pump Sution }}$ | 14801 Bass Creek Rd. | 42 | Streil | Circ. | ${ }_{60}$ | 4SK GPM, Pump \#2 |
| 323 | ${ }_{\text {S }}^{\text {S }}$ P Pump Staion | 14801 Bass Creek Rd. | 42 | Streil | CIRC. | ${ }^{60}$ |  |
| ${ }^{3} 2.2$ | ${ }^{\text {5.3.Pump Sation }}$ | 14801 Bass Creek R R. | ${ }^{12}$ | Strea | Clirc. | ${ }^{56}$ | Fire Fow Tube/ Flod Gate |
| $3{ }^{3.25}$ | ${ }^{\text {5.3.Pump Sation }}$ | 14801 Bass Creek Rd. | 42 | ${ }_{\text {STELL }}$ | Clic. | ${ }_{56}$ | Free Flow Tue/ Flod Gate |
| ${ }^{3.3 .1}$ | Coblestone | sw 177h Ave at Gaurd Cate | ${ }^{72}$ | RCP | Clirc. | 208 |  |
| ${ }^{3.32}$ | Cobblestore | Sw 177h Ave at Guard Cate |  | ${ }_{\text {RCP }}$ | CIRC. | 208 |  |
| 3.4 .1 | ${ }^{1.75 \% \text { W Wastingon } 5 \text { S. Canal }}$ | 1.75 \& Wastingaton St. Canal | ${ }_{6} 6$ | ${ }_{\text {RCP }}$ | CIRC. | ${ }^{1027}$ |  |
| ${ }^{3.4}$ | ${ }^{1.758 . ~ W ~ W a s t i n g t o n ~ S t . ~ C a n a l ~}$ | 1.75 \& We.tsington St. Canal | ${ }^{60}$ | RCP | Clic. | ${ }^{1027}$ |  |
| 3.5 | Cobblestore |  | ${ }^{60}$ | ${ }_{\text {RCP }}$ | CIRC. | ${ }^{65}$ | Conrol Ssucture |
| 3.6 .1 | Cenury Vilage | 1251 SW 135.iter. | ${ }^{96}$ | смр | CiRC. | 291 |  |
| 3 3.6.2 | Cemury Village | 1251.15 l 13 Sh Ter. | ${ }_{96}$ | CMP | Clic. | 291 |  |
| ${ }^{3.7}$ | Cenury Village |  | ${ }_{96}$ | ${ }_{\text {cMP }}$ | Clirc. | ${ }^{158}$ |  |
| - | Cenury Vilage | Century Village Col | ${ }^{36}$ | CMP | CIRC. | ${ }_{467}$ |  |
| 29 | Cemury Vilage | Cenury Village ut | ${ }^{24}$ | ${ }_{\text {RCP }}$ | Circ. | 74 |  |
| ${ }^{3.10}$ | Cenury Village | Cenury Villa, | 24 | ${ }_{\text {RCP }}$ | Clirc. | ${ }^{75}$ |  |
| ${ }^{3.11}$ | Cenury Vilage | Cenury Vilage - | ${ }^{24}$ | ${ }_{\text {RCP }}$ | CIRC. | 4 |  |
| ${ }^{3-12}$ | Cenury Vilage |  | ${ }^{24}$ | ${ }_{\text {RCP }}$ | Clic. | ${ }^{166}$ |  |
| ${ }^{3-13}$ | Cenury Village |  | ${ }^{24}$ | RCP | Circ. | ${ }^{140}$ |  |
| ${ }^{-14}$ | Cenury Village | 1 ury Vilage C Couse | ${ }^{18}$ | CMP | CIRC. | 279 |  |
| 3.15 | Cenur Village | Flan, Plaxa ne | ${ }_{48}^{48}$ | ${ }_{\text {cMP }}$ | Clic. | ${ }^{955}$ | Conrol Smucure |
| ${ }^{3.16}$ | Cemury Village |  | 42 | смp | CIRC. | ${ }^{175}$ |  |
| ${ }^{3.17}$ | Cenury Vilage | Cenury viluge coil Couse | 24 | ${ }_{\text {cMP }}$ | CIRC. | ${ }^{93}$ |  |
| ${ }^{3-18}$ | Cenury Vilage | Cenury Vilage coif Curse | ${ }^{42}$ | cMP | Clic. | ${ }^{182}$ |  |
| 3.19 | Cemury Village | Cenury Villag colf Curse | ${ }^{24}$ | ${ }_{\text {cMP }}$ | Clirc. | ${ }_{98}$ |  |
| ${ }^{320}$ | Cenury Village | Cenury Village coif Course | ${ }^{24}$ | CMP | Clirc. | ${ }^{98}$ |  |
| ${ }^{321}$ | Cenury Village | Cenury Village coff Couse | ${ }^{24}$ | CMP | Circ. | ${ }_{88}$ |  |
| 3.22 | Cemury Village | Cemury Villag colf Couse | 24 | смP | Clirc. | ${ }^{60}$ |  |
| 823 | Cenury Village | Cenury Village colf Course | ${ }^{24}$ | CMP | CIRC. | ${ }^{115}$ |  |
| ${ }^{32}$ | Monarch Latese -145id Ave. |  | ${ }_{84}^{84}$ | ${ }^{\text {RCP }}$ | Circ. | ${ }^{171}$ |  |
| ${ }^{3} 25$ | Triogy Outall | Trioge Outalal ac. Co.M. Wastewate Plant | 60 | ${ }_{\text {RCP }}$ | Clic. | ${ }^{370}$ |  |

TABLE II-C-2

| BASIN S-3 EXISTING CUIVERT SCMFJULF |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| 3-26 | Trilogy - Outfall to Park | 13501 SW 19th St. | 48 | RCP | CIRC. | 1198 |  |
| 3-27 | Trilogy - (N) / (S) Pipe | 13501 SW 19th St. | 24 \& 48 | RCP | CIRC. | 224 |  |
| 3-28 | Cobblestone | SW 147th Ave. \& SW 15th Ct. | 60 | RCP | CIRC. | 114 |  |
| 3-29 | Trilogy | 1821 SW 133rd Ave. | 48 | RCP | CIRC. | 586 |  |
| 3-30 | Trilogy | 13211 SW 19th Dr. | 34 | RCP | CIRC. | 119 |  |
| 3-31 | Trilogy | 1921 SW 129th Ter. | 30 | RCP | CIRC. | 286 |  |
| 3-32 | Trilogy - Outfall to Flamingo | 1940 SW 126th Ave. | 30 | RCP | CIRC. | 1163 | Flood Gate |
| 3-33 | Monarch Lakes | SW 140th Ave. \& Monarch Lakes Blvd. |  | RCP | CIRC. | 191 |  |
| 3-34.1 | Century Village - Outfall | 800 SW 142nd Ave. | 96 | CMP | CIRC. | 71 |  |
| 3-34.2 | Century Village - Outfall | 800 SW 142nd Ave. | 96 | CMP | CIRC. | 71 |  |
| 3-35 | Monarch Lakes - Catalina Bay | SW 142nd Ave. \& SW 31st St. | 48 | RCP | CIRC. | 552 |  |
| 3-36 | Monarch Lakes | SW 136th Ave. \& SW 28th St. | 60 | RCP | CIRC. | 387 |  |
| 3-37 | Monarch Lakes | SW 132nd Ter. \& Monarch Lake. Ylvu. | 48 | RCP | CIRC. | 264 |  |
| 3-38 | Monarch Lakes | SW 132nd Ter. \& Monarch Lakes 1 | 48 | RCP | CIRC. | 281 |  |
| 3-39 | Monarch Lakes - Portofino North | SW 130th Ter. \& S' ${ }^{\text {r }}$ t. | 48 | RCP | CIRC. | 313 |  |
| 3-40 | Monarch Lakes - Portofino North | SW 129th Ave sW 23rd | 48 | RCP | CIRC. | 309 |  |
| 3-41 | Monarch Lakes - Biltmore Estates | SW 131st Te ${ }^{\text {a }}$ SW 28 ${ }^{+}$ | 48 | RCP | CIRC. | 288 |  |
| 3-42 | Monarch Lakes - Biltmore Estates | SW 130th Ave. \& 28 th St. | 48 | RCP | CIRC. | 475 |  |
| 3-43 | Monarch Lakes - Harbour Lakes Townhomes | $\mathrm{S}^{\text {r }}$ - 8 th m \& SW h Ct. | 48 | RCP | CIRC. | 375 |  |
| 3-44 | Monarch Lakes | ,w 125th Ave. c Tonarcı. Lakes Blvd. | 48 | RCP | CIRC. | 197 |  |
| 3-45 | Country Club Ranches | + 'h Ave. \& Tur ${ }^{\text {ke }}$ | 36 | RCP | CIRC. | 75 |  |
| 3-46 | Huntington Corporate Park (N) | SW,$~$ Ave , of C.O.M. Fire Station | 48 | RCP | CIRC. | 137 |  |
| 3-47 | Huntington Corporate Park (N) | SW 148tı. $\therefore$ - NBC6 Driveway | 48 | CMP | CIRC. | 225 |  |
| 3-48 | Hunitngton Corporate Park (N) | SW 149th Ave. \& Keith Cir. | 48 | RCP | CIRC. | 280 |  |
| 3-49 | Huntington | SW 150th Ave \& Lakeside Dr. | 72 | RCP | CIRC. | 200 |  |
| 3-50 | Huntington | Lakeside Dr. \& SW 38th St. | 72 | RCP | CIRC. | 201 |  |
| 3-51 | Huntington - Claremont | 15171 SW 49th Ct. | 48 | RCP | CIRC. | 174 |  |
| 3-52 | Huntington | SW 149th Ter. \& Bass Creek Rd. | 48 | RCP | CIRC. | 213 |  |
| 3-53 | Huntington - Outfall | SW 148th Ave. \& (N) of Bass Creek Rd. | 72 | RCP | CIRC. | 335 |  |
| 3-54 | Windsor Palms - Outfall | SW 148th Ave. \& (N) of Bass Creek Rd. | 48 | RCP | CIRC. | 52 | Control Structure |
| 3-55 | Windsor Palms | SW 147th Ave. \& SW 41st St. | 48 | RCP | CIRC. | 308 |  |
| 3-56 | Windsor Palms | SW 144th Ave. \& SW 36th St. | 48 | RCP | CIRC. | 729 |  |

TABLE II-C-2

| BASIN S-3 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdvision | Location | Sive | Material | Shape | Length | General Comments |
| 3-57 | Country Club Ranches | SW 143rd Ave \& Blue Gill Rd. | 60 | СмP | CIRC. | 43 |  |
| 3.58 | Country Club Ranches | SW 141st Ave. \& Blue Gill Rd. | 36 | CAP | CIRC. | 46 |  |
| 3 -59 | Country Club Ranches | SW 140th Ave \& B Blue Gill Rd. | 36 | CMP | CIRC. | 75 |  |
| 3 3-60 | Country Club Ranches | SW 139th Ave \& B Blue Gill Rd. | 36 | CAP | CIRC. | 48 |  |
| 3 3-61 | Country Club Ranches | SW 138th Ave \& \& Blue Gill Rd. | 36 | CMP | CIRC. | 58 |  |
| 3.62 | Country Club Ranches | SW 137th Ave. \& Blue Gill Rd. | 36 | CAP | CIRC. | 47 |  |
| 3 3-63 | Country Club Ranches | SW 137th Ave \& B Blue Gill Rd. | ${ }^{36}$ | CMP | CIRC. | 79 |  |
| 3 3.64 | Country Club Ranches | SW 136th Ave \& B Blue Gill Rd. |  | CMP | CIRC. | ${ }^{86}$ |  |
| 3 3-65 | Country Club Ranches | Flamingo Rd. \& Blue Gill Rd. | 60 | CAP | CIRC. | 77 |  |
| 3 3-66 | Country Club Ranches | sw 143rd Ave. \& SW 47th St. | 60 | CMP | CIRC. | 45 |  |
| 3-67.1 | Country Club Ranches - Outfall | SW 1488t Ave. \& SW 47th St. | 54 | CMP | CIRC. | ${ }^{65}$ |  |
| 3-67.2 | Country Club Ranches - Outfall | SW 1488t Ave. \& SW 47th St. | 54 | CMP | CIRC. | ${ }^{65}$ |  |
| 3-68.1 | Grand Palms - Outall | Sabal Palm Dr. \& (N) of SW 15t | 24 | CAP | CIRC. | 199 |  |
| 3-68.2 | Grand Palms - Outall | Sabal Palm Dr. \& ( ( ) of SW 15th: | 15 | CAP | CIRC. | 199 |  |
| 3 3-69 | Grand Palms Golf Course | Grand Palms Golf $C$ | 24 | CAP | CIRC. | 263 |  |
| 3 3-70 | Grand Palms Golf Course | Grand Palms $\mathrm{G}^{\text {course }}$ | 24 | CA | CIRC. | 100 |  |
| 3.71 | Grand Palms Golf Course | Grand Palms $\ddagger$ Cours | 24 | CAP | CIRC. | 300 |  |
| 3.72 | Grand Palms Golf Course | Grand Palms Goll ${ }^{\text {a }}$,se | 24 | CAP | CIRC. | 25 |  |
| 3.73 | Grand Palms Golf Course | $\mathrm{G}^{\text {a }}$ A Palm ${ }^{\text {If Cou }}$ | 24 | CAP | CIRC. | 256 |  |
| 3.74 | Grand Palms Golf Course |  | 24 | CAP | CIRC. | 105 |  |
| 3.75 | Grand Palms Golf Course | 1 d Palms Golf jurse | 24 | CAP | CIRC. | 143 |  |
| 3.76 | Grand Palms Golf Course | Gran Ims $\mathrm{G}^{\text {c }}$ course | 24 | CAP | CIRC. | 193 |  |
| $3-77$ | Grand Palms Golf Course | Grand Pa, - ${ }^{\text {a }}$ | 24 | CAP | CIRC. | 41 |  |
| 3-78 | Gran Palms Golf Course | Grand Palms Golf Course | 24 | CAP | CIRC. | 260 |  |
| 3-79 | Grand Palms Golf Course | Grand Palms Golf Course | 24 | CAP | CIRC. | 188 |  |
| 3-80 | Gran Palms Golf Course | Grand Palms Golf Course | 24 | CAP | CIRC. | 73 |  |
| 3-81 | Grand Palms Golf Course | Grand Palms Golf Course | 24 | CAP | CIRC. | 254 |  |
| 3-82 | Pembroke Shores | Dykes Rd. \& SW 12th St. | 72 | RCP | CIRC. | 620 |  |
| 3-83 | Pembroke Shores | SW 165th Ave. \& SW 5th St. | 60 | RCP | CIRC. | 262 |  |
| 3-84 | Pembroke Shores | SW 167h Ave. \& SW 5th St. | ${ }_{4}^{48}$ | RCP | CIRC. | 561 |  |
| 3-85.1 | Pembroke Shores | SW 165th Ave, \& Pembroke Rd. | 72 | RCP | CIRC. | 212 |  |
| 3-85.2 | Pembroke Shores | SW 165th Ave, \& Pembroke Rd. | 72 | RCP | CIRC. | 212 |  |

TABLE II-C-2

| BASIN S-3 EXISTING CULVERT SCMEDUEF |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| 3-86 | Silver Shores | SW 165th Ave. \& Silver Shores Blvd. | 48 | RCP | CIRC. | 156 |  |
| 3-87 | Silver Shores | SW 163rd Ave. \& SW 21st St. | 54 | RCP | CIRC. | 301 |  |
| 3-88 | Silver Shores | Dykes Rd. \& Silver Shores Blvd. | 60 | RCP | CIRC. | 377 |  |
| 3-89 | Silver Shores | SW 157th Ave. \& Silver Shores Blvd. | 60 | RCP | CIRC. | 140 |  |
| 3-90 | Silver Shores | Silver Shores Blvd. \& SW 19th St. | 94 | RCP | CIRC. | 155 |  |
| 3-91 | Silver Shores | SW 148th Ave. Canal \& SW 19th St. | 84 | RCP | CIRC. | 127 |  |
| 3-92 | Huntington | SW 148th Ave. \& Lakeside Rd. | 18 | RCP | CIRC. | 438 |  |
| 3-93 | Reserve at Huntington | SW 153rd Ave. \& SW 50th St. |  | RCP | CIRC. | 998 |  |
| 3-94 | Windsor Palms Entrance | SW 148th Ave. \& SW 36th St. | 192 X ¢ | RCP | ARCH | 97 |  |
| 3-95 | Turnpike Outfall to Country Club Ranches | 137th Ave. \& Turnpike - Center | 48 | RCP | CIRC. | 294 |  |
| 3-96 | Silver Shores | SW 149th Ave. \& SW 19th St. | 84 | RCP | CIRC. | 33 |  |
| 3-97 | Turnpike (W) Outfall at Blue Gill Rd. | Turnpike (W) Outfall at Blue Gill ${ }^{\text {D }}$. | 54 | RCP | CIRC. | 46 |  |
| 3-98 | Turnpike (E) Outfall at Blue Gill Rd. | Turnpike (E) Outfall at Blue Gill | 48 | RCP | CIRC. | 54 |  |
| 3-99 | Silver Shores | SW 163rd Ter. \& SW 23rd Ln. | 36 | RCP | CIRC. | 768 |  |
| 3-100 | Monarch Lakes - Flood Gate | Flamingo Rd. Canal ${ }^{\text {¢ Monarc }}$ a a kes Blvd. | 48 | RCP | CIRC. | 110 | Flood Gate |
| 3-101 | Hotel Road | SW 145th Ave (S) of Tr mell Cro 3ldg. | 54 | RCP/CAP | CIRC. | 1836 |  |
| 3-102 | Royal Caribbean / Monarch Lakes Mitigation | SW 145th Av (S) of nd | 48 | RCP | CIRC. | 200 |  |
| 3-103 | Royal Caribbean | SW 145th Ave. \& .arch Lakes Outfall Canal | 48 | RCP | CIRC. | 40 |  |
| 3-104 | Grand Palms Golf Course | $G^{r}$ \& Palmı If Cou | 36 | CAP | CIRC. | 65 |  |
| 3-105 | Grand Palms Golf Course | srand Palms Go, ourse | 24 | CAP | CIRC. | 632 |  |
| 3-106 | Enclave at Grand Palms | 1 Enclave Cir. ( | 24 | RCP/CAP | CIRC. | 554 |  |
| 3-107 | Grand Palms Golf Course | Gran. 'Ims G' Course | 24 | CAP | CIRC. | 1300 |  |
| 3-108 | La Costa at Grand Palms | 1432 LaC Dr. (E) | 24 | CAP | CIRC. | 316 |  |
| 3-109 | Monarch Lakes - Melrose | SW 130th Ave. \& SW 28th St. | 48 | RCP | CIRC. | 525 |  |
| 3-110 | Pembroke Shores - Pasadena | SW 159th Ln. \& SW 5th St. | 48 | RCP | CIRC. | 875 | Control Structure |
| 3-111 | Flamingo Plaza - Walmart | SW 126th Ave. \& SW 4th St. | 42-66 | RCP/CMP | CIRC. | 1090 | Control Structure |
| 3-112.1 | 148th Ave. \& Hotel Rd. | 148th Ave. \& Hotel Rd. | 96 | RCP | CIRC. | 132 |  |
| 3-112.2 | 148th Ave. \& Hotel Rd. | 148th Ave. \& Hotel Rd. | 96 | RCP | CIRC. | 132 |  |
| 3-113.1 | Country Club Ranches / Evans | 14301 SW 41st St. | 24 | RCP | CIRC. | 19 |  |
| 3-113.2 | Country Club Ranches / Evans | 14351 SW 41st St. | 24 | RCP | CIRC. | 21 |  |
| 3-114 | Rockefeller / Royal Caribbean | SW 145th Ave. \& (S) of Pembroke Rd. | 48 | RCP | CIRC. | 1368 |  |
| 3-115 | Grand Palms Golf Course | Grand Palms Golf Course | 24 | CAP | CIRC. | 912 |  |

TABLE II-C-2

| BASIN S-3 EXISTING CUIVERTSEMEDETE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| 3-117 | Country Club Ranches / Windsor Palms | Evans Outfall SW 41st St. | 48 | RCP | CIRC. | 40 |  |
| 3-118 | Cobblestone | SW 147th Ter. \& SW 10th St. | 72 X 96 | RCP | ELLIP. | 998 |  |
| 3-119 | Hilton Garden Inn / Liberty Mutual | (W) of 14501 SW 29th St. | 48 | RCP | CIRC. | 735 |  |
| 3-120 | Hilton Garden Inn / C-4 Canal | (W) of 14501 SW 29th St. | 48 | RCP | CIRC. | 538 |  |
| 3-121 | I-75 Commerce Center - Mitigation | (W) of SW 145th Ave. \& (S) of Pembroke Rd. | 18 | RCP | CIRC. | 37 | Control Structure |
| 3-122 | Cobblestone - Mitigation | SBDD C-4 Canal \& Pembroke Rd. | 48 | RCP | CIRC. | 40 | Control Structure |
| 3-123.1 | I-75 (S) of Miramar Pkwy. | I-75 \& (S) of Miramar Pkwy. | 48 | RCP | CIRC. | 376 |  |
| 3-123.2 | I-75 (S) of Miramar Pkwy. | I-75 \& (S) of Miramar Pkwy. |  | RCP | CIRC. | 376 |  |
| 3-124 | Lido Isles / Pembroke Shores | Behind 773 SW 167th Ave. | LAND W ${ }_{\text {L }}$ |  |  |  | Control Structure |
| 3-125 | SBDD Canal 4 (S) of S-3 Pump Station | (S) of 14801 Bass Creek Rd. | BRIDGE |  |  |  |  |

## BASIN S－3



SOUTH BROWARD DRAINAGE DISTRICT BASIN：S－3 PROPOSED FACILITIES MAP

## Legend

[^0]

4，000

| 0 | 1,000 | 2,000 | 4,000 |
| :--- | :--- | :--- | :--- |
|  |  | Feet |  |

FIGURE II－C－2


Calvin, Giordano \& Associates, Inc.
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-3 CONTROL WATER ELEVATION MAP

## Legend

SBDD Pump Station
3.50' NGVD

Water Bodies


## BASIN S-3




## $\stackrel{4}{\mathrm{~N}} \mathrm{C}$



BASIN S-3 FLOOD GATE SCHEDULE
 Subdivision

3-2.4
3-2.5
3-32
3-100

Location
Description
.

| 14801 Bass Creek Rd. | $48^{\prime \prime}$ W X 48" H |
| :--- | :--- | :--- |
| 14801 Bas Creek Rd. | $48^{\prime \prime}$ W X 48" H |
| Flamingo Rd. Canal \& (S) of Pembroke Rd. | $42^{\prime \prime}$ W X 42" H |
| Flamingo Rd. Canal \& Monarch Lakes Blvd. | $54^{\prime \prime}$ W X 54" H |

Flamingo Rd. Canal \& Monarch Lakes Blvd.
54" W X 54" H

## BASIN S-3



SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-3 CONTROL STRUCTURES MAP

## Legend

$\triangle$ Control Structures
$\sim$ SFWMD CanalSBDD Pump Station
3 Water Bodies


## TABLE II-C-4

## BASIN S-3 CONTROL STRUCTURE SCHEDULE

| ID | Subdivision | Location | General Comments |
| :---: | :---: | :---: | :---: |
| 3-5 | Cobblestone - Mitigation (N) | Behind 1536 SW 147th Ter. | Over-Flow Structure |
| 3-15 | Flamingo Plaza / Century Village | (W) of Flamingo Rd. \& (S) of Pines Blvd. | Flashboard Riser w/ 27" x 4.5" Bleeder @ 3.00 NGVD |
| 3-54 | Windsor Palms | Behind 4090 SW 147th Ave. @ C-4 Canal |  |
| 3-110 | Pasadena at Pembroke Shores | 15999 SW 3rd St. | Bubble-Up Structure |
| 3-111 | Wal-Mart | Pines Blvd. \& Flamingo Rd. | Concrete Weir w/ 6" x 6" Triangle @ 3.00 NGVD |
| 3-121 | I-75 Commerce Center - Mitigation | (W) of SW 145th Ave. \& (S) of Pembroke Rd. | Over-Flow Structure |
| 3-122 | Cobblestone - Mitigation (S) | Pembroke Rd \& C-4 Canal | Over-Flow Structure |
| 3-124 | Lido Isles / Pembroke Shores | Behind 773 SW 167th Ave. | 4' Wide Rip-rap Ground Weir |

## BASIN S-3

SFWMD C-9 CANAL



Calvin, Giordano $\mathcal{E}$ Associates, Inc
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-3 STAFF GAUGE MAP

## Legend

$\diamond$ Staff Gauge
$\sim$ SFWMD Canal

- SBDD Pump Station
$\sum$ Water Bodies

(inels

BASIN S-3 STAFF GAUGE SCHEDULE
ID Subdivision Location Description

| 20 | Monarch Lakes | Monarch Lakes Blvd. \& (W) of Flamingo Rd. - 1st Lake (S) |  |
| :---: | :--- | :--- | :--- |
| 21 | Country Club Ranches | SW 137th Ave. \& Blue Gill Rd. |  |
| 22 | Windsor Palms Outfall | SW 148th Ave. \& (N) of Bass Creek Rd. by Weir |  |
| 23 | Huntington | 3640 SW 149th Ter. |  |
| 24 | S-3 Pump Station Downstream | (S) of 14801 Bass Creek Rd. |  |
| 25 | S-3 Pump Station Upstream | (N) of 14801 Bass Creek Rd. |  |
| 27 | Pembroke Shores | SW 165th Ave. \& SW 5th St. |  |
| 28 | Grand Palms Outfall | C-4 Canal \& Sable Palm Dr. |  |
| 72 | Grand Palms | Pembroke Rd. \& (E) of SW 152nd Ave. by Water Level Recorder | Water Level Recorder |

## BASIN S-3





BASIN S-3 FISH GUARD SCHEDULE
Location

| $3-33$ | Monarch Lakes | West Lake on West side |
| :--- | :--- | :--- |
| $3-53$ | Huntington | Outfall @ C-4 Canal |
| $3-83$ | Pembroke Shores | (W) of SW 164th Ave. \& SW 5th St. |


| $3-83$ | Pembroke Shores |
| :--- | :--- |
| - |  |

(W) of SW 164th Ave. \& SW 5th St.


BASIN 3
NODAL DIAGRAM

| LEGEND |  |
| :---: | :---: |
|  | BASIN BOUNDARY |
| - | node |
| (1704) | NODE ID No. |
| $\rightarrow$ | LINK |
| ${ }^{15045}$ | LINK ID No. |



## BASIN S-3

# BASIN MAXIMUM STAGE REPORT 

10-YEAR, 3-DAY ST $J R_{\star}{ }^{\text {. }}$ 100-YEAR, 3-DA' STORM

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-3 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | Max <br> Inflow cfs | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| OD07 | Base-S3 | 100Y3D PC48 | 115.31 | 5.33 | 8.00 | 0.0017 | 265125 | 60.00 | 32.37 | 115.77 | 310.30 |
| 0D07 | Base-S3 | 10Y3D_ $\bar{P} C$ - 48 | 102.22 | 4.34 | 8.00 | -0.0012 | 255665 | 60.00 | 15.42 | 116.95 | 222.53 |
| 0D08 | Base-S3 | 100Y3D_PC48 | 115.37 | 5.33 | 8.00 | 0.0025 | 321589 | 62.20 | 312.54 | 66.61 | 267.54 |
| OD08 | Base-S3 | 10Y3D_PC_48 | 102.24 | 4.34 | 8.00 | -0.0018 | 310034 | 116.95 | 222.53 | 116.21 | 179.68 |
| OD09 | Base-S3 | 100Y3D_PC48 | 115.31 | 5.33 | 8.00 | -0.0013 | 274784 | 66.61 | 271.00 | 139.91 | 1.07 |
| 0D09 | Base-S3 | 10Y3D_PC_48 | 102.22 | 4.34 | 8.00 | -0.0009 | 263228 | 116.21 | 179.68 | 139.97 | 1.43 |
| OD10 | Base-S3 | 100Y3D_PC48 | 94.11 | 5.40 | 8.00 | 0.0043 | 2661 r | 60.00 | 30.69 | 66.61 | 867.13 |
| OD10 | Base-S3 | 10Y3D_P̄PC48 | 85.32 | 4.41 | 8.00 | -0.0029 | 267 | 60.00 | 14.91 | 116.21 | 572.38 |
| 0 0D11 | Base-S3 | 100Y3D PC48 | 94.18 | 5.41 | 8.00 | 0.0053 | 316682 | -. 61 | 870.28 | 94.53 | 365.19 |
| OD11 | Base-s3 | 10Y3D_PC_48 | 85.32 | 4.41 | 8.00 | -0.0036 | 310562 | 11.1 | 572.38 | 116.95 | 259.55 |
| 0D12 | Base-s3 | 100Y3D_PC48 | 94.11 | 5.40 | 8.00 | 0.00 | 256220 | 94.5 | 365.23 | 61.31 | 4.30 |
| OD12 | Base-S3 | 10Y3D_PC_48 | 85.32 | 4.41 | 8.00 | $0 \cdot$ - 4 | $25^{\circ} \mathrm{j} 1$ | 116.95 | 259.55 | 139.85 | 2.23 |
| OD13 | Base-S3 | 100Y3D_PC48 | 94.11 | 5.40 | 8.00 | -0.00 | 08242 | 60.00 | 30.79 | 66.61 | 656.71 |
| 0D13 | Base-S3 | 10Y3D_PC_48 | 85.45 | 4.41 | 8.00 | -0.0022 | 263929 | 60.00 | 14.94 | 116.21 | 428.50 |
| 0D14 | Base-S3 | 100Y3D PC48 | 94.35 | 5.41 | 8. | $\bigcirc .0052$ | $\bigcirc 049$ | 66.61 | 659.88 | 94.55 | 564.47 |
| OD14 | Base-S3 | 10Y3D_ĒC_48 | 85.45 | 4.41 | 8.6 | ${ }^{7} 74$ | $3<1.5$ | 116.21 | 428.50 | 116.95 | 387.49 |
| 0.15 | Base-S3 | 100Y3D_PC48 | 94.11 | 5.40 | 8.00 | -0.r si | -6297 | 94.55 | 564.51 | 61.29 | 3.31 |
| OD15 | Base-S3 | 10Y3D_PC_48 | 85.44 | 4.41 | 8.00 | - 020 | 261984 | 116.95 | 387.49 | 139.85 | 2.35 |
| OE07 | Base-S3 | 100Y3D_PC48 | 93.55 | 5 | 3.00 | ). 0007 | 246763 | 60.00 | 16.11 | 107.39 | 49.19 |
| OE07 | Base-S3 | 10Y3D_\̄P_48 | 85.07 | 41 | 3.00 | 0003 | 244742 | 139.82 | 14.78 | 87.81 | 24.41 |
| OE08 | Base-S3 | 100Y3D_PC48 | 93.27 | 5.40 |  | c. 00008 | 275444 | 111.97 | 53.94 | 108.80 | 50.99 |
| 0E08 | Base-S3 | 10Y3D_PC_48 | 85.04 | 41 | $8 . \cup$ | 0.0003 | 271232 | 91.57 | 28.02 | 86.51 | 23.75 |
| OEO9 | Base-S3 | 100Y3D_PC48 | 93 | 5.4 | 8.00 | 0.0008 | 275222 | 112.42 | 52.44 | 111.83 | 49.31 |
| OE09 | Base-S3 | 10Y3D_PC_48 |  | 4.41 | 8.00 | 0.0003 | 271177 | 86.79 | 24.70 | 89.16 | 24.35 |
| 0 E 10 | Base-S3 | 100Y3D PC48 | 93.27 | 10 | 8.00 | 0.0008 | 246113 | 111.83 | 49.31 | 139.99 | 22.00 |
| OE10 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }} 48$ | 84.98 |  | 8.00 | 0.0003 | 244592 | 89.16 | 24.35 | 140.00 | 24.61 |
| OE14 | Base-S3 | 100Y3D_PC48 | 06 | 50 | 8.00 | 0.0005 | 247354 | 60.00 | 13.44 | 98.62 | 29.66 |
| OE14 | Base-S3 | 10Y3D_PC_48 | 85 | 41 | 8.00 | 0.0002 | 239228 | 59.75 | 4.32 | 116.23 | 17.04 |
| OE15 | Base-s3 | 100Y3D_PC48 | 94.02 | 5.40 | 8.00 | 0.0005 | 254655 | 98.62 | 29.72 | 139.99 | 2.52 |
| OE15 | Base-S3 | 10Y3D_ $\overline{\mathrm{P}}$-_48 | 85.54 | 4.41 | 8.00 | 0.0002 | 242847 | 116.23 | 17.04 | 139.05 | 2.61 |
| OE16 | Base-S3 | $100 Y 3 D^{\text {d P PC4 }}$ | 93.88 | 5.40 | 8.00 | 0.0011 | 252890 | 60.00 | 27.03 | 95.30 | 165.91 |
| 0 E 16 | Base-S3 | 10Y3D_PC_48 | 85.12 | 4.41 | 8.00 | -0.0007 | 241257 | 60.00 | 12.74 | 116.95 | 119.65 |
| 0 E17 | Base-S3 | 100Y3D_PC48 | 94.07 | 5.40 | 8.00 | 0.0024 | 281857 | 62.20 | 180.20 | 66.61 | 198.28 |
| 0 E 17 | Base-S3 | 10Y3D_ $\overline{\mathrm{P}}$ C_-48 | 85.12 | 4.41 | 8.00 | -0.0014 | 243652 | 116.95 | 119.65 | 116.21 | 131.91 |
| 0E18 | Base-S3 | 100Y3D_PC48 | 93.88 | 5.40 | 8.00 | 0.0012 | 254313 | 66.61 | 202.81 | 62.66 | 7.02 |
| 0 E 18 | Base-S3 | 10Y3D_\} { } ^ {  P/_48  } | 85.12 | 4.41 | 8.00 | -0.0007 | 242553 | 116.21 | 131.91 | 63.02 | 1.97 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-3 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max $\begin{array}{r}\text { Surf } \\ \text { Area } \\ \text { ft2 }\end{array}$ | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| OE19 | Base-S3 | 100Y3D_PC48 | 93.30 | 5.40 | 8.00 | 0.0007 | 273208 | 60.00 | 27.67 | 95.37 | 42.02 |
| 0E19 | Base-S3 | 10Y3D_ $\overline{\mathrm{P}}$ C_48 | 85.17 | 4.41 | 8.00 | 0.0003 | 256220 | 60.00 | 12.47 | 116.21 | $\bigcirc 23.54$ |
| OE20 | Base-S3 | 100Y3D PC48 | 93.64 | 5.40 | 8.00 | 0.0007 | 308858 | 62.49 | 52.61 | 99.99 | 38.39 |
| OE20 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }}$ - 48 | 85.17 | 4.41 | 8.00 | 0.0003 | 282118 | 60.00 | 28.06 | 116.38 | 22.39 |
| OE21 | Base-S3 | 100Y3D_PC48 | 93.30 | 5.40 | 8.00 | 0.0007 | 273114 | 62.20 | 51.44 | 62.83 | 8.02 |
| 0 E 21 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }}$-48 | 85.17 | 4.41 | 8.00 | 0.0003 | 255275 | 116.38 | 22.39 | 63.21 | 2.63 |
| OE22 | Base-S3 | 100Y3D_PC48 | 91.66 | 5.40 | 8.00 | 0.0006 | 2378 | 60.00 | 24.10 | 92.66 | 97.81 |
| 0E22 | Base-S3 | 10Y3D_ ${ }_{\text {PC_ }}{ }^{\text {P }} 48$ | 83.33 | 4.41 | 8.00 | 0.0003 | $23-3$ | 60.00 | 11.48 | 116.37 | 57.11 |
| OE23 | Base-S3 | 100Y3D_PC48 | 90.59 | 5.40 | 8.00 | 0.0012 | 277903 | 158 | 231.12 | 139.99 | 23.59 |
| 0E23 | Base-S3 | 10Y3D_EDC_48 | 83.33 | 4.41 | 8.00 | 0.0006 | 275118 | 11. 7 | 145.55 | 139.97 | 26.54 |
| OE24 | Base-s3 | 100Y3D_PC48 | 91.66 | 5.40 | 8.00 | -0.0r | 237-83 | 139.95 | 22.00 | 111.39 | 136.27 |
| 0E24 | Base-S3 | 10Y3D_PC_48 | 83.36 | 4.41 | 8.00 | -0. 15 | 2? 03 | 140.00 | 24.61 | 116.37 | 88.44 |
| OE25 | Base-S3 | 100Y3D_PC48 | 79.47 | 5.43 | 8.00 | 0.000 | -85136 | 139.99 | 23.60 | 108.92 | 43.85 |
| 0E25 | Base-S3 | 10Y3D_ ${ }^{\text {P }}$ C_48 | 75.00 | 4.44 | 8.00 | 0.0002 | 259492 | 139.97 | 26.54 | 139.99 | 27.14 |
| OE26 | Base-S3 | 100Y3D_PC48 | 79.47 | 5.43 | 8.1 | - 0007 | 125 | 108.92 | 43.90 | 108.79 | 82.36 |
| OE26 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 74.98 | 4.44 | 8.0 |  | $28 \quad 31$ | 139.99 | 27.14 | 140.00 | 27.87 |
| OE27 | Base-s3 | 100Y3D PC48 | 79.47 | 5.43 | 8.00 | - 06 | 84824 | 108.79 | 82.41 | 140.00 | 25.32 |
| 0E27 | Base-S3 | 10Y3D_ $\overline{\text { P }}$-_48 | 74.97 | 4.44 | 8.00 | ' 3002 | 259593 | 140.00 | 27.87 | 140.00 | 28.53 |
| $0 \times 06$ | Base-S3 | 100Y3D_PC48 | 94.03 |  | 3.00 | . 0007 | 312630 | 60.00 | 24.41 | 96.33 | 50.35 |
| $0 \times 06$ | Base-S3 | 10Y3D_ $\bar{P} C$ _ 48 | 85.60 | . 41 | 3.00 | 0002 | 275886 | 60.00 | 12.49 | 71.52 | 33.97 |
| $0 \times 07$ | Base-S3 | 100Y3D_PC48 | 93.96 | .40 |  | 0.0009 | 357790 | 95.05 | 50.66 | 66.61 | 154.26 |
| $0 \times 07$ | Base-S3 | 10Y3D_ $\overline{\text { P }}$ - 48 | 85.60 | ${ }^{1}$ | 8.00 | 0.0005 | 320486 | 70.10 | 37.55 | 116.43 | 94.56 |
| $0 \times 08$ | Base-S3 | 100Y3D_PC48 | $9 \wedge$ | 5.4 | 8.00 | 0.0007 | 436289 | 60.00 | 45.80 | 66.61 | 103.57 |
| $0 \times 08$ | Base-S3 | 10Y3D_PC-48 | . 60 | 1.41 | 8.00 | 0.0004 | 350639 | 60.00 | 21.50 | 116.65 | 73.27 |
| $0 \times 09$ | Base-S3 | 100Y3D PC48 | 94.11 | 0 | 8.00 | 0.0012 | 477269 | 60.00 | 145.75 | 96.37 | 133.25 |
| $0 \times 09$ | Base-S3 | 10Y3D_P̄P_48 | 95.60 |  | 8.00 | 0.0007 | 389613 | 60.00 | 92.16 | 116.23 | 101.08 |
| $0 \times 10$ | Base-S3 | 100Y3D_PC48 | - 78 | F . 0 | 8.00 | 0.0007 | 383397 | 60.00 | 36.97 | 93.37 | 81.46 |
| $0 \times 10$ | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 85. | . 41 | 8.00 | -0.0003 | 318735 | 60.00 | 16.07 | 71.54 | 64.73 |
| $0 \times 11$ | Base-S3 | 100Y3D_PC48 | 94.02 | 5.40 | 8.00 | 0.0017 | 413076 | 93.37 | 81.68 | 66.61 | 182.39 |
| $0 \times 11$ | Base-S3 | 10Y3D_ $\bar{P} C$ - 48 | 85.59 | 4.41 | 8.00 | 0.0010 | 346194 | 64.01 | 71.87 | 116.44 | 115.33 |
| $0 \times 12$ | Base-S3 | 100Y3D_PC48 | 94.13 | 5.40 | 8.00 | 0.0007 | 438605 | 60.00 | 41.23 | 62.27 | 89.88 |
| $0 \times 12$ | Base-S3 | 10Y3D_ $\overline{\text { P C }}$ - 48 | 85.59 | 4.41 | 8.00 | 0.0004 | 352471 | 60.00 | 17.23 | 116.55 | 63.30 |
| $0 \times 13$ | Base-S3 | 100Y3D_PC48 | 94.06 | 5.40 | 8.00 | -0.0011 | 479421 | 60.00 | 125.65 | 93.34 | 99.80 |
| $0 \times 13$ | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }} 48$ | 85.59 | 4.41 | 8.00 | -0.0007 | 393041 | 60.00 | 75.44 | 71.54 | 71.02 |
| 0 Y03 | Base-S3 | 100Y3D_PC48 | 94.02 | 5.40 | 8.00 | -0.0020 | 188888 | 60.00 | 16.55 | 66.61 | 241.28 |
| $0 Y 03$ | Base-S3 | 10Y3D_\} { } ^ {  PC_4  } 4 8 | 85.60 | 4.41 | 8.00 | -0.0013 | 186776 | 60.00 | 8.06 | 116.43 | 155.26 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-3 MAX STAGE REPORT
TABLE II-C-7

| Name | Group | Simulation | Max Time Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Warning Stage ft | Max Delta <br> Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| OY04 | Base-S3 | 100Y3D_PC48 | 94.09 | 5.40 | 8.00 | -0.0025 | 358457 | 66.61 | 391.49 | 97.12 | 204.06 |
| $0 Y 04$ | Base-S3 | 10Y3D_ $\overline{\mathrm{P}}$ C_48 | 85.60 | 4.42 | 8.00 | 0.0016 | 329810 | 116.43 | 251.54 | 116.23 | 148.76 |
| OY05 | Base-S3 | 100Y3D_PC48 | 94.02 | 5.40 | 8.00 | 0.0031 | 408551 | 96.33 | 336.92 | 66.61 | 259.89 |
| OY05 | Base-S3 | 10Y3D_ $\overline{P C}$ - 48 | 85.59 | 4.41 | 8.00 | 0.0017 | 357743 | 116.23 | 249.83 | 116.44 | 169.39 |
| 0 Y 06 | Base-s3 | $100 Y 3 \mathrm{D}$ PC48 | 94.06 | 5.41 | 8.00 | -0.0036 | 423434 | 66.61 | 438.83 | 93.34 | 161.27 |
| OY06 | Base-S3 | 10Y3D_ $\overline{\mathrm{P}}$ - ${ }^{\text {4 }} 8$ | 85.58 | 4.42 | 8.00 | -0.0023 | 374519 | 116.44 | 286.34 | 71.54 | 110.07 |
| 0 Y 07 | Base-S3 | 100Y3D_PC48 | 93.86 | 5.40 | 8.00 | 0.0027 | 4252 | 93.34 | 261.30 | 61.63 |  |
| $0 Y 07$ | Base-S3 | 10Y3D_ $\overline{\text { PC_ }}$ 48 | 85.59 | 4.41 | 8.00 | 0.0018 | $36^{\circ}$, 8 | 71.54 | 183.89 | 133.50 | 36.13 |
| $0 \mathrm{YO8}$ | Base-S3 | 100 Y 3 D PC48 | 94.07 | 5.40 | 8.00 | 0.0013 | 166967 | 00 | 57.56 | 63.16 | 11.49 |
| 0 Y08 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 85.57 | 4.41 | 8.00 | -0.0007 | 165023 | 13. 0 | 36.13 | 139.67 | 10.76 |
| $2 \mathrm{CO9}$ | Base-S3 | 100 Y 3 D PC48 | 63.21 | 6.37 | 8.00 | 0.08 | 1290740 | 60.51 | 383.83 | 61.82 | 88.47 |
| 2 CO 9 | Base-S3 | 10Y3D_ ${ }^{\text {PCC_4 }} 4$ | 62.45 | 5.21 | 8.00 | 0.4 | 8410 | 60.50 | 237.80 | 61.58 | 79.28 |
| 2E05 | Base-s3 | $100 Y 3 D_{\text {_PC4 }} 8$ | 72.34 | 5.53 | 8.00 | 0.001 | ,95305 | 60.50 | 643.79 |  |  |
| 2E05 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 64.94 | 4.53 | 8.00 | 0.0006 | , 875758 | 60.00 | 340.44 | 61.53 | 47.98 |
| 4 CO 2 | Base-S3 | 100Y3D_PC48 | 80.46 | 5.65 | 8. | $\bigcirc .0007$ | 「598 | 60.72 | 88.24 | 80.29 | 63.50 |
| $4 \mathrm{C02}$ | Base-S3 | 10Y3D_ $\bar{P} C$ _ 48 | 75.33 | 4.63 | 8.6 |  | 5c 18 | 60.68 | 76.95 | 63.53 | 86.51 |
| $4 \mathrm{CO3}$ | Base-53 | 100 Y 3 D PC48 | 80.46 |  | 8.00 | 0.58 |  | 79.63 | 74.39 | 66.61 | 140.18 |
| 4 C 03 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 75.32 | 4.63 | 8.00 | ¢, 006 | 455261 | 60.00 | 90.66 | 77.58 | 70.77 |
| $4 \mathrm{C05}$ | Base-S3 | 100Y3D PC48 | 80.46 | 5 〕 | 3.00 | $\bigcirc .0007$ | 479112 | 60.44 | 311.14 | 60.81 | 178.95 |
| $4 \mathrm{CO5}$ | Base-53 | 10Y3D_PC_48 | 75.32 | . 63 | 3.00 | 0004 | 459239 | 60.81 | 182.23 | 79.13 | 161.06 |
| 4D01 | Base-S3 |  | 80.45 | 7. 65 |  | c. 00007 | 436968 | 60.68 | 186.75 | 82.31 | 171.89 |
| 4D01 | Base-S3 | 10Y3D_PC_48 | 75.30 | 53 | 8.0 | 0.0003 | 417792 | 79.13 | 161.06 | 79.41 | 161.75 |
| 4D02 | Base-S3 | 100Y3D PC48 | 79 | 5.5 | 8.00 | 0.0007 | 436381 | 82.31 | 171.89 | 82.31 |  |
| 4D02 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ |  | 4.56 | 8.00 | 0.0003 | 416810 | 79.41 | 161.75 | 79.57 | 162.45 |
| 4D03 | Base-s3 | 100Y3D_PC48 | 79.71 | $\bigcirc 7$ | 8.00 | 0.0007 | 439933 | 60.85 | 239.10 | 61.00 | 202.65 |
| 4D03 | Base-S3 | 10Y3D_ $\overline{\mathrm{PC}}$-48 | 74.73 |  | 8.00 | 0.0003 | 420213 | 60.96 | 202.17 | 61.13 | 180.48 |
| 4D04 | Base-S3 | 100Y3D_PC48 |  | 54 | 8.00 | 0.0007 | 439786 |  | 208.25 |  |  |
| 4D04 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 74 | 54 | 8.00 | 0.0003 | 419049 | 61.09 | 183.16 | 79.98 | 164.88 |
| 4D05 | Base-S3 | 100Y3D_PC48 | 79.19 | 5.54 | 8.00 | 0.0007 | 241070 | 60.12 | 181.88 | 83.54 |  |
| 4D05 | Base-S3 | 10Y3D_ $\overline{\mathrm{PC}}$-48 | 74.49 | 4.54 | 8.00 | 0.0005 | 229508 | 79.98 | 164.88 | 83.54 80.01 | 165.28 |
| 4D06 | Base-S3 | 100Y3D_PC48 | 76.95 | 5.46 | 8.00 | 0.0006 | 232217 | 83.54 | 173.53 | 83.59 | 173.72 |
| 4D06 | Base-S3 | 10Y3D_ $\overline{\text { P }}$-_48 | 73.81 | 4.46 | 8.00 | -0.0007 | 221986 | 80.01 | 165.28 | 80.00 | 165.67 |
| 4E01 | Base-S3 | 100Y3D_PC48 | 76.91 | 5.46 | 8.00 | 0.0006 | 463544 | 60.18 | 203.25 | 84.50 | 177.04 |
| 4E01 | Base-S3 | 10Y3D_PC_48 | 73.79 | 4.46 | 8.00 | -0.0006 | 443655 | 61.27 | 191.84 | 78.81 | 172.16 |
| 4E02 | Base-S3 | 100Y3D_PC48 | 76.89 | 5.46 | 8.00 | 0.0006 | 461943 | 61.28 | 304.98 | 61.48 | 268.37 |
| 4E02 | Base-S3 | 10Y3D_ $\overline{\mathrm{P}} \mathrm{C}$-48 | 73.79 | 4.46 | 8.00 | -0.0007 | 441281 | 61.44 | 283.96 | 61.74 | 263.41 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-3 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max Delta Stage ft | $\begin{array}{r} \text { Max } \begin{array}{r} \text { Surf } \\ \text { Area } \\ \text { ft2 } \end{array}, ~ \end{array}$ | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4E03 | Base-S3 | 100Y3D_PC48 | 76.92 | 5.45 | 8.00 | 0.0016 | 429424 | 60.00 | 242.88 | 48.42 | 200.70 |
| 4E03 | Base-S3 | 10Y3D_- $\overline{\text { C }}$ - 48 | 73.81 | 4.46 | 8.00 | -0.0013 | 410140 | 60.80 | 221.74 | 58.59 | 200.70 |
| 4E04 | Base-S3 | 100Y3D PC48 | 0.00 | 3.00 | 8.00 | 0.0000 | 0 | 48.42 | 200.70 | 0.00 | 0.00 |
| 4E04 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }}$-48 | 0.00 | 3.00 | 8.00 | 0.0000 | 0 | 58.59 | 200.70 | 0.00 | 0.00 |
| CL01 | Base-S3 | 100Y3D_PC48 | 109.98 | 6.39 | 8.00 | 0.0016 | 1936367 | 60.00 | 262.76 | 140.00 | 1.07 |
| CL01 | Base-53 | 10Y3D_PC_48 | 92.65 | 5.29 | 8.00 | 0.0008 | 1217423 | 60.00 | 154.87 | 140.00 | 1.13 |
| CL02 | Base-S3 | 100Y3D_PC48 | 74.27 | 6.49 | 8.00 | 0.0016 | 4895 ${ }^{\text {² }}$ | 60.00 | 648.84 | 66.64 | 4.51 |
| CLO2 | Base-S3 | 10Y3D_PC_48 | 73.66 | 5.39 | 8.00 | 0.0009 | $282-5$ | 60.00 | 385.35 | 72.69 | 4.30 |
| CLO3 | Base-S3 | 100Y3D_PC48 | 69.70 | 7.05 | 8.00 | 0.0025 | 752784 | 50 | 131.41 | 61.05 | 6.95 |
| CLO3 | Base-S3 | 10Y3D_PC_48 | 64.82 | 5.98 | 8.00 | 0.0015 | 401490 | 6 l | 78.58 | 61.93 | 7.11 |
| CLO4 | Base-S3 | 100Y3D PC48 | 73.31 | 6.31 | 8.00 | 0.0 r | 1804 ~07 | 60.00 | 231.99 | 61.45 | 3.68 |
| CLO4 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 72.78 | 5.20 | 8.00 |  | 95 11 | 60.00 | 130.72 | 65.45 | 3.23 |
| CL05 | Base-S3 | 100Y3D_PC48 | 74.51 | 6.10 | 8.00 | 0.001. | ,09413 | 60.00 | 320.95 | 62.11 | 8.52 |
| CL05 | Base-S3 | 10Y3D_PC_48 | 74.76 | 5.02 | 8.00 | 0.0007 | 391325 | 60.00 | 195.21 | 140.00 | 8.22 |
| CL06 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 92.48 | 6.09 | 8.1 | $n 016$ | 1. ${ }^{1} 20$ | 60.00 | 253.44 | 140.00 | 1.06 |
| CLO6 | Base-S3 | 10Y3D_PC_48 | 84.67 | 5.02 | 8.0 |  | 103. 36 | 60.00 | 154.75 | 140.00 | 1.29 |
| cvor | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 79.21 | 6.92 | 8.00 | - 15 | 86649 | 60.50 | 383.33 | 111.18 | 7.34 |
| CV01 | Base-S3 | 10Y3D_PC_48 | 75.45 | 5.86 | 8.00 | J008 | 2046066 | 60.50 | 218.38 | 120.84 | 7.86 |
| CV02 | Base-S3 | $100 Y 3 D^{\text {P PC4 }}$ | 65.25 |  | 3.00 | . 0014 | 1963140 | 60.50 | 275.68 | 61.78 | 25.30 |
| CV02 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }}$-48 | 64.29 | . 82 | 3.00 | 0011 | 1177197 | 60.50 | 175.40 | 62.05 | 24.15 |
| CV03 | Base-S3 | 100Y3D PC48 | 79.10 | . 92 |  | 0.0016 | 3145293 | 60.50 | 366.80 | 115.81 | 17.16 |
| CV03 | Base-S3 | 10Y3D_PC_48 | 75.31 | 6 | 8.00 | 0.0010 | 1805083 | 60.51 | 206.62 | 90.70 | 16.33 |
| CV04 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 68 | 6.3 | 8.00 | 0.0020 | 549035 | 60.50 | 170.03 | 60.67 | 88.88 |
| CV04 | Base-S3 | 10Y3D_P̄P_48 | . 91 | . 11 | 8.00 | 0.0010 | 243954 | 60.50 | 103.17 | 60.60 | 65.52 |
| CV05 | Base-S3 | 100Y3D_PC48 | 68.34 | $\bigcirc$ | 8.00 | 0.0018 | 3794633 | 60.00 | 761.35 | 65.13 | 66.77 |
| CV05 | Base-S3 | 10Y3D_PC_48 | 54.97 | 51 | 8.00 | 0.0009 | 2936309 | 60.00 | 481.83 | 63.34 | 59.55 |
| CV06 | Base-S3 | 100Y3D_PC48 | $\checkmark \quad 77$ | ¢ . 8 | 8.00 | 0.0020 | 3255233 | 60.00 | 598.85 | 63.07 | 136.70 |
| CV06 | Base-S3 | 10Y3D_PC_48 | 65. | . 09 | 8.00 | 0.0010 | 2328532 | 60.00 | 374.91 | 62.55 | 119.76 |
| FE01 | Base-S3 | 100Y3D_PC48 | 72.15 | 6.46 | 8.00 | 0.0026 | 972261 | 60.00 | 226.68 | 64.46 | 8.22 |
| FE01 | Base-S3 | 10Y3D_PC_48 | 68.83 | 5.21 | 8.00 | 0.0013 | 542803 | 60.00 | 136.68 | 63.39 | 7.67 |
| EE02 | Base-S3 | 100Y3D_PC48 | 72.53 | 6.35 | 8.00 | 0.0022 | 856309 | 60.00 | 161.94 | 63.06 | 13.63 |
| FE02 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 72.28 | 5.16 | 8.00 | 0.0011 | 490668 | 60.00 | 95.86 | 62.83 | 11.44 |
| FE03 | Base-s3 | $100 Y 3 \mathrm{D}$ PC48 | 72.43 | 6.35 | 8.00 | 0.0024 | 358648 | 60.00 | 89.29 | 60.08 | 1.85 |
| FE03 | Base-S3 | 10Y3D_PC_48 | 72.26 | 5.16 | 8.00 | 0.0011 | 231627 | 60.00 | 51.91 | 60.01 | 1.39 |
| FE04 | Base-S3 | 100Y3D_PC48 | 72.52 | 6.31 | 8.00 | 0.0025 | 503764 | 60.00 | 122.62 | 61.16 | 21.58 |
| FE04 | Base-S3 | 10Y3D_PC_48 | 72.27 | 5.13 | 8.00 | 0.0012 | 272867 | 60.00 | 71.00 | 61.53 | 17.46 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-3 MAX STAGE REPORT
TABLE II-C-7

| Name | Group | Simulation | Max Time Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \text { ft } \end{gathered}$ | Warning Stage ft |  | Delta <br> Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FE05 | Base-S3 | 100Y3D_PC48 | 72.52 | 6.31 | 8.00 |  | 0.0028 | 186036 | 60.00 | 55.00 | 60.11 |  |
| FE05 | Base-S3 | 10Y3D_P̄C_48 | 72.26 | 5.13 | 8.00 |  | 0.0013 | 83207 | 60.00 | 30.62 | 60.08 | 20.05 13.02 |
| FE0 6 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 73.53 | 6.19 | 8.00 |  | 0.0019 | 714071 | 60.00 | 154.94 | 60.88 | 46.74 |
| FE06 | Base-S3 | $10 Y 3 D_{-} \overline{\mathrm{P}}$ C-48 | 72.70 | 5.05 | 8.00 |  | 0.0009 | 438609 | 60.00 | 154.94 91.69 | 60.81 | 31.81 |
| FT01 | Base-S3 | 100Y3D_PC48 | 72.92 | 6.01 | 8.00 |  | 0.0026 | 276285 | 60.00 | 131.69 |  |  |
| FT01 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }} 48$ | 72.78 | 4.89 | 8.00 |  | 0.0012 | 258052 | 60.00 | 79.59 | 60.68 | 36.49 23.80 |
| FT02 | Base-S3 | 100Y3D_PC48 | 81.65 | 5.68 | 8.00 |  | 0.0023 | 9157 | 60.00 | 416.97 | 61.09 | 146.44 |
| FT02 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }} 48$ | 76.01 | 4.66 | 8.00 |  | 0.0010 | 88.8 | 60.00 | 252.46 | 60.91 | 146.44 98.34 |
| FT03 | Base-S3 | 100 Y 3 D PC48 | 81.58 | 5.67 | 8.00 |  | 0.0015 | ? 207808 | 00 | 864.71 | 60.61 | 115.18 |
| FT03 | Base-S3 | 10 Y 3 D | 76.02 | 4.65 | 8.00 |  | 0.0007 | 5207808 | 6. 7 | 864.71 542.59 | 60.61 60.43 | 115.18 91.54 |
| FT04 | Base-S3 | 100Y3D_PC48 | 80.55 | 5.74 | 8.00 |  | 0.0 r | 251904 | 60.0 l | 170.08 |  |  |
| FT04 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }} 48$ | 72.42 | 4.71 | 8.00 |  | 0.4 | $2{ }^{2} 87$ | 60.00 | 101.43 | 60.29 | 59.156 |
| FT05 | Base-S3 | 100Y3D_PC48 | 72.33 | 5.85 | 8.00 |  | $0.00{ }^{\circ}$ | . 21855 | 60.00 | 151.87 | 60.56 |  |
| FT05 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }}$ 48 | 72.28 | 4.79 | 8.00 |  | 0.0016 | 210217 | 60.00 | 87.61 | 65.89 | $\begin{aligned} & 38.93 \\ & 27.67 \end{aligned}$ |
| FT06 | Base-S3 | 100 Y 3 D PC48 | 72.95 | 6.01 |  |  | 0019 |  | 60.00 | 137.30 | 69.15 |  |
| FT06 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }} 48$ | 72.80 | 4.89 | 8.0 |  |  | 5i 30 | 60.00 | 82.14 | 140.00 | 25.50 |
| HT01 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 68.94 | 6.41 | 8.00 |  | 0.25 | 14251 | 60.00 | 236.07 |  |  |
| HTO1 | Base-S3 | 10Y3D_P̄C_48 | 65.58 | 5.28 | 8.00 |  | J013 | 570580 | 60.00 | 137.72 | 66.70 | 34.63 |
| HT02 | Base-S3 | $100 Y 3 D^{\text {P PC4 }}$ | 68.55 |  | 3.00 |  |  |  | 60.00 | 117.80 |  |  |
| HTO2 | Base-S3 | 10Y3D_ ${ }^{\text {P }}{ }^{\text {C- }} 48$ | 64.95 | . 02 | 3.00 |  | 0012 | 203994 | 60.00 | 70.88 | 66.79 | $\begin{aligned} & 45.75 \\ & 37.97 \end{aligned}$ |
| HT03 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 64.91 | -. 67 |  |  | 0.0017 | 2033983 | 60.00 | 545.37 |  |  |
| HTO3 | Base-s3 | 10Y3D_ $\overline{\mathrm{P}} \mathrm{C}$ | 64.27 | 58 | 8.00 |  | 0.0008 | 1709451 | 60.02 | 343.39 | 61.56 | $\begin{aligned} & 138.96 \\ & 112.00 \end{aligned}$ |
| HT04 | Base-S3 | 100 Y 3 D -PC48 | 64 | 5.6 | 8.00 |  | 0.0020 | 1587570 | 60.00 | 497.14 | 60.57 | 111.45 |
| HTO4 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }}$ - ${ }^{\text {8 }}$ |  | 4.69 | 8.00 |  | 0.0010 | 1293026 | 60.00 | 304.87 | 60.58 | 111.45 86.09 |
| HT05 | Base-s3 | 100Y3D-PC48 | 79.67 | $\bigcirc 7$ | 8.00 |  | 0.0019 | 682799 |  |  | 61.12 |  |
| HT05 | Base-S3 | 10Y3D_ ${ }^{\text {P }}$ C_48 | 74.73 | 46 | 8.00 |  | 0.0009 | 571500 | 60.00 | $152.64$ | 60.95 | $\begin{array}{r} 113.65 \\ 83.61 \end{array}$ |
| HT06 | Base-S3 | 100Y3D_PC48 | - 99 | F 9 | 8.00 |  | 0.0023 | 2027810 | 60.50 | 390.77 |  |  |
| HT06 | Base-s3 | 10Y3D_ ${ }^{\text {P }} \mathrm{C}_{-} 48$ | 64 | 71 | 8.00 |  | 0.0012 | 1122548 | 60.50 | 248.62 | 63.89 63.72 | 30.83 27.80 |
| LIDO | Base-S3 | $100 Y 3 D^{\text {d P PC4 }}$ | 72.97 | 6.01 | 8.00 |  | 0.0011 | 3659040 | 60.00 | 571.07 | 52.76 | 8.84 |
| LIDO | Base-S3 | 10Y3D_ ${ }^{\text {P }} \mathrm{C}_{-} 48$ | 72.88 | 4.89 | 8.00 |  | 0.0005 | 3659040 | 60.00 | 348.48 | 59.58 | 10.76 |
| ML01 | Base-S3 | 100 Y 3 D PC48 | 64.64 | 6.34 | 8.00 |  | 0.0021 | 1492893 | 60.50 | 307.33 |  |  |
| ML01 | Base-S3 | 10Y3D_ ${ }^{\text {P }} \mathrm{C}_{-} 48$ | 63.73 | 5.12 | 8.00 |  | 0.0011 | 783384 | 60.50 | 180.61 | 61.45 | 36.66 |
| ML02 | Base-S3 | $100 Y 3 D_{\text {P PC4 }}$ | 72.50 | 6.27 | 8.00 |  | 0.0017 | 1484349 | 60.50 | 264.99 | 61.15 |  |
| ML02 | Base-s3 | 10Y3D_ $\bar{P} C_{-} 48$ | 72.46 | 5.09 | 8.00 |  | 0.0008 | 828084 | 60.50 | 155.86 | 61.67 | 48.73 |
| ML03 | Base-S3 | 100Y3D_PC48 | 72.81 | 6.25 | 8.00 |  | 0.0016 | 2174183 | 60.00 | 373.20 |  |  |
| ML03 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 72.56 | 5.08 | 8.00 |  | 0.0008 | 1442632 | 60.00 | 225.80 | 63.15 | 42.38 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-3 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Warning Stage ft | Max Delta <br> Stage ft |  | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time <br> Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { Cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ML04 | Base-S3 | 100Y3D PC48 | 73.14 | 6.23 | 8.00 | 0.0015 | 3229577 | 60.00 |  |  |  |
| ML04 | Base-S3 | 10Y3D_ $\overline{P C}$ - 48 | 72.67 | 5.07 | 8.00 | 0.0008 | 2041021 | 60.00 | 520.36 310.01 | $\begin{aligned} & 61.70 \\ & 61.91 \end{aligned}$ | $\begin{aligned} & 72.95 \\ & 51.30 \end{aligned}$ |
| ML05 | Base-S3 | 100Y3D_PC48 | 73.65 | 6.20 | 8.00 | 0.0015 | 4731096 | 60.00 | 931.55 | 61.06 |  |
| ML05 | Base-s3 | 10Y3D_ $\overline{\text { P }}$ - 48 | 72.90 | 5.06 | 8.00 | 0.0007 | 3777848 | 60.00 | 979.96 | 60.84 | $\begin{aligned} & 53.19 \\ & 36.07 \end{aligned}$ |
| ML0 6 | Base-S3 | $100 Y 3 \mathrm{D}$ PPC48 | 73.90 | 6.17 | 8.00 | 0.0015 | 4289635 |  |  |  |  |
| ML0 6 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }} 48$ | 73.06 | 5.04 | 8.00 | 0.0007 | 3492096 | 60.00 | 504.46 | 76.52 | $\begin{array}{r} 53.05 \\ 44.80 \end{array}$ |
| ML07 | Base-S3 | 100Y3D_PC48 | 73.14 | 6.12 | 8.00 | 0.0014 | 11735 | 60.50 | 191.77 |  |  |
| ML07 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }} 48$ | 72.76 | 5.00 | 8.00 | 0.0008 | 54 J | 60.02 | 106.20 | 75.13 | 46.33 |
| ML08 | Base-S3 | 100 Y 3 D PC48 | 73.10 | 6.11 | 8.00 | 0.0014 | 518946 | 52 | 165.70 |  |  |
| ML08 | Base-S3 | 10Y3D_PC_48 | 72.77 | 4.99 | 8.00 | 0.0007 | 474314 | $6 \square^{1}$ | 108.38 | 62.01 64.39 | $\begin{aligned} & 76.26 \\ & 57.42 \end{aligned}$ |
| MP01 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 80.50 | 5.65 | 8.00 | $0.0{ }^{\text {r }}$ | 918-89 | 60.64 | 95.81 | 85.18 |  |
| MP01 | Base-S3 | $10 Y 3 D_{-} \overline{\mathrm{P}} \mathrm{C}_{-} 48$ | 75.37 | 4.64 | 8.00 | 0.14 | 97.19 | 60.59 | 70.23 | 81.97 | $\begin{aligned} & 22.00 \\ & 18.04 \end{aligned}$ |
| MP02 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 80.59 | 5.66 | 8.00 | 0.000 | * 15261 | 60.50 | 237.88 |  |  |
| MP02 | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }}$ 48 | 75.47 | 4.64 | 8.00 | 0.0004 | $\checkmark 415261$ | 60.50 | 138.40 | 81.10 | 16.14 |
| MP03 | Base-S3 | 100Y3D_PC48 | 79.84 | 5.69 | 8. | - 0007 | 2. 209 | 60.50 | 245.99 |  |  |
| MP03 | Base-S3 | 10Y3D_ ${ }^{\text {P }}$ C_48 | 75.50 | 4.67 | 8.0 | , | 246. 39 | 60.50 | 145.57 | 75.24 75.41 | 11.59 9.59 |
| MPO4 MP04 | Base-S3 | $100 Y 3 \mathrm{D}$ PPC48 | 80.08 | 5.68 | 8.00 |  |  | 60.00 | 32.50 |  |  |
| MP04 | Base-S3 | 10Y3D_ $\overline{\text { PC_ }}$ - 48 | 75.51 | 4.66 | 8.00 | , 0004 | 153966 | 60.00 | 13.80 | 76.36 | 11.19 9.63 |
| MP05 | Base-S3 | 100Y3D_PC48 | 80.66 |  | 3.00 | . 0009 | 379203 | 60.00 | 59.77 |  |  |
| MP05 | Base-S3 |  | 75.60 | . 63 | 3.00 | . 0005 | 379114 | 60.00 | 38.60 | 601.99 | 6.35 1.08 |
| MP06 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 79.26 | . 69 |  | 3.0010 |  | 62.06 |  |  |  |
| MP06 | Base-S3 | 10 Y 3 D _ $\overline{\mathrm{P}}$ C_48 | 74.40 | ¢ 8 | 8.00 | 0.0004 | $270119$ | 62.25 | 102.88 | $63.60$ | $96.01$ |
| MP07 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 73 | 5.8 | 8.00 | 0.0088 | 1079 | 62.06 | 137.90 |  |  |
| MP07 | Base-s3 | 10Y3D_ ${ }^{\text {PC_ }}$ - 48 | . 39 | 1.79 | 8.00 | 0.0020 | 1079 | 62.24 | 102.91 | 62.06 62.25 | 137.84 102.88 |
| MPE01 | Base-S3 | 100 Y 3 D PC48 | 68.30 |  | 8.00 | 0.0025 | 1959152 | 60.00 | 915.89 | 62.04 | 173.12 |
| MPE01 | Base-S3 | $10 Y 3 \mathrm{D}_{-} \overline{\mathrm{PC}}$-48 | 55.76 | 55 | 8.00 | 0.0012 | 1959877 | 60.00 | 602.21 | 62.24 | 129.79 |
| NursNoLk | NursNoLk | 100 Y 3 D PC48 | $\checkmark 76$ | ¢ 1 | 8.00 | 0.0048 | 5194 |  |  |  |  |
| NursNoLk | NursNoLk | $10 Y 3 D_{-} \overline{\mathrm{P}} \mathrm{C}_{-} 48$ | 60. | 20 | 8.00 | 0.0025 | 399 | 60.00 | 19.88 | $60.01$ | $\begin{aligned} & 30.45 \\ & 19.82 \end{aligned}$ |
| NWpembk145th | NursNoLk | $100 Y 3 \mathrm{D}$ PC48 | 72.12 | 6.07 | 7.00 | -0.0100 | 283 | 61.98 | 35.23 |  |  |
| NWpembk145th | NursNoLk | 10Y3D_ ${ }^{\text {PC_ }}$ - ${ }^{\text {8 }}$ | 68.45 | 4.94 | 7.00 | 0.0072 | 283 | 62.23 | 36.88 26.8 | $\begin{aligned} & 61.98 \\ & 62.23 \end{aligned}$ | $\begin{aligned} & 35.22 \\ & 26.87 \end{aligned}$ |
| PG | Base-S3 | 100Y3D_PC48 | 60.79 | 7.00 | 8.00 | -0.0079 | 641073 |  | 182.29 |  |  |
| PG | Base-S3 | 10Y3D_ ${ }^{\text {PC_ }}$-48 | 60.33 | 6.67 | 8.00 | -0.0048 | 221662 | 60.00 | 115.02 | 60.33 | $\begin{array}{r} 107.97 \\ 97.29 \end{array}$ |
| PS01 | Base-S3 | 100Y3D_PC48 | 72.74 | 6.02 | 8.00 | 0.0020 | 1505689 | 60.00 | 341.27 |  |  |
| PS01 | Base-S3 | $10 Y 3 \mathrm{D}_{-} \overline{\mathrm{P}} \mathrm{C}_{-} 48$ | 72.48 | 4.90 | 8.00 | 0.0010 | 1025420 | 60.00 | 207.82 | 61.33 | $25.05$ |
| PSO2 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 72.85 | 6.02 | 8.00 | 0.0018 | 2256461 | 60.00 | 469.44 |  |  |
| PS02 | Base-S3 | 10Y3D_ ${ }_{\text {P }}{ }^{\text {C/ }} 48$ | 72.55 | 4.90 | 8.00 | 0.0009 | 1566618 | 60.00 | 285.30 | 61.55 | 33.38 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-3 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | Inflow cfs | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PS03 | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 73.01 | 6.02 | 8.00 | 0.0016 | 4813404 | 60.00 | 902.83 | 63.23 | 82.29 |
| PS03 | Base-S3 | 10Y3D_ ${ }^{\text {PC_}}{ }^{48}$ | 72.72 | 4.90 | 8.00 | 0.0008 | 3736382 | 60.00 | 552.37 | 63.36 | 62.89 |
| TpkExtension | Base-S3 | $100 Y 3 \mathrm{D}$ PC48 | 94.02 | 5.40 | 8.00 | 0.0004 | 1290597 | 0.00 | 0.00 | 130.95 | 7.31 |
| TpkExtension | Base-S3 | 10Y3D_- $\bar{P} C$ _ 48 | 85.64 | 4.41 | 8.00 | 0.0002 | 872445 | 0.00 | 0.00 | 116.62 | 4.78 |

## BASIN S-3

# 72-HOUR NODAL STAGE RF ${ }^{\text {PORT }}$ 

10-YEAR, 3-DA ${ }^{*}$ STORM<br>100-YEAR, 3-DA . ' IORM

$\begin{array}{cc} & \text { SOUTH BROWARD DRAINAGE } \\ \text { BASIN SISTRICT } \\ \text { S-3 } & 72 \mathrm{HR} \text { NODAL STAGE REPORT FOR } 10 \text { YR } 3 \text { DAY STORM } \\ \text { TABLE II-C-8 }\end{array}$

| Simulation | Node | Group | Time | Stage ft | $\begin{gathered} \text { Warning } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Surface Area ft2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10Y3D_PC_48 | 0 007 | Base-S3 | 72.00 | 4.09 | 8.00 | 253227 | 1.18 | -167.62 | 5.3 | -194.5 |
| $10 \mathrm{Y3D} \mathrm{D}^{-P C-48}$ | 0D08 | Base-S3 | 72.00 | 4.09 | 8.00 | 306815 | -166.44 | 133.01 | -189.2 | -151.4 |
| $10 Y 3 D^{-P C-48}$ | OD09 | Base-S3 | 72.00 | 4.09 | 8.00 | 260006 | 134.19 | -1.67 | 156.7 | -4.1 |
| $10 Y 3 D^{-P C-48}$ | 0D10 | Base-S3 | 72.00 | 4.24 | 8.00 | 261449 | 1.08 | 455.94 | 4.9 | 533.6 |
| $10 Y 3 D^{-1} \mathrm{PC}^{-} 48$ | 0D11 | Base-S3 | 72.00 | 4.24 | 8.00 | 309505 | 457.01 | -209.99 | 538.6 | -247.7 |
| $10 Y 3 D^{-} \mathrm{PC}^{-} 48$ | OD12 | Base-S3 | 72.00 | 4.24 | 8.00 | 249074 | -208.91 | -4.21 | -242.8 | -8.0 |
| $10 Y 3 D^{-P C}-48$ | 0D13 | Base-S3 | 72.00 | 4.24 | 8.00 | 263159 | 1.08 | 340.28 | 5.0 | 255.6 |
| $10 Y 3 D^{-P C-48}$ | 0D14 | Base-S3 | 72.00 | 4.23 | 8.00 | 322946 | 341.36 | 312.10 | 260.5 | -238.1 |
| $10 Y 3 D^{-P C-48}$ | OD15 | Base-S3 | 72.00 | 4.24 | 8.00 | 261225 | -311.01 | -4.55 | -233.1 | -8.7 |
| 10Y3D_PC 48 | OE07 | Base-S3 | 72.00 | 4.26 | 8.00 | 244432 | -8. | -10.59 | -37.0 | -45.4 |
| $10 Y 3 \mathrm{D}$ PC-48 | OE08 | Base-S3 | 72.00 | 4.26 | 8.00 | 270618 | -2r 6 | -22.33 | -62.7 | -69.5 |
| $10 Y 3 D^{-P C-48}$ | OE09 | Base-S3 | 72.00 | 4.26 | 8.00 | 270520 | - .38 | ? 5.63 | -70.6 | -78.0 |
| $10 Y 3 \mathrm{D}-\mathrm{PC}-48$ | OE10 | Base-s3 | 72.00 | 4.26 | 8.00 | 244244 | -25.26 | . 25 | -74.6 | -82.0 |
| $10 Y 3 \mathrm{D}^{-P C-48}$ | 0 O14 | Base-s3 | 72.00 | 4.26 | 8.00 | 237904 | 0.60 | -. 5 | -0.5 | 3.0 |
| $10 Y 3 \mathrm{D}$ PC-48 | OE15 | Base-S3 | 72.00 | 4.26 | 8.00 | $24088^{5}$ | 12.73 | -1. | 7.2 | -9.6 |
| $10 Y 3 D^{-P C-48}$ | 0 O16 | Base-S3 | 72.00 | 4.26 | 8.00 | 239 ? | 145 | -96.3 | 5.2 | -106.0 |
| $10 Y 3 D^{-}{ }^{-1}{ }^{-} 48$ | $0 \mathrm{OE17}$ | Base-S3 | 72.00 | 4.26 | 8.00 | 23-8 | -9 37 | 104.22 | -100.7 | 112.5 |
| $10 Y 3 \mathrm{D}_{-} \mathrm{PC}^{-} 48$ | OE18 | Base-S3 | 72.00 | 4.26 | 8.00 | 24 C | -. 68 | -1.59 | 117.7 | -4.0 |
| $10 \mathrm{Y} 3 \mathrm{D} \mathrm{PC}^{-48}$ | OE19 | Base-S3 | 72.00 | 4.26 | 8.00 | 25344 | 1.62 | 18.19 | 5.6 | 17.5 |
| $10 Y 3 \mathrm{D}$-PC-48 | OE20 | Base-S3 | 72.00 | 4.26 | 8.00 | 277728 | 19.81 | -18.25 | 23.1 | -19.1 |
|  | 0 E 21 | Base-S3 | 72.00 | 4.26 | $8.0{ }^{\circ}$ | 252405 | 16.63 | -1.42 | -13.5 | -4.5 |
| $10 Y 3 D^{-P C}-48$ $10 Y 3 D_{-P C-48}$ | $\bigcirc 0 \mathrm{O} 22$ | Base-S3 Base-s3 | 72.00 72.00 | 4.34 4.34 | 8. | 234685 | . 27 | 44.96 | 4.6 | 45.1 |
| $10 Y 3 \mathrm{D}_{-\mathrm{PC}}{ }^{\text {- }} 48$ | OE24 | Base-S3 | 72.00 | 4.34 4.34 | 8.01 | 230. | L -25.98 | -28.03 21.76 | 4.9 -77.4 | -90.9 -44.8 |
| 10Y3D-PC-48 | OE25 | Base-S3 | 72.00 | 4.42 | 8.00 | $25^{\circ} 9$ | - 25.96 | -26.94 | -85.0 | -44.8 |
| $10 Y 3 \mathrm{D}$ PC-48 | 0 E 26 | Base-S3 | 72.00 | 4.42 | 8.00 | -,142 | -24.88 | -26.04 | -87.2 | -94.2 |
| $10 \mathrm{Y} 3 \mathrm{D} \mathrm{PC}^{-48}$ | OE27 | Base-53 | 72.00 | $4.4{ }^{-}$ | 8.00 | $\bigcirc 9104$ | -23.97 | -25.01 | -88.3 | -97.6 |
| $10 Y 3 \mathrm{D}$ PC-48 | $0 \times 06$ | Base-S3 | 72.00 | 4 , | 3.00 | $\bigcirc 70062$ | 3.12 | 26.07 | 5.5 | 5.9 |
| $10 Y 3 \mathrm{D}$ PC-48 | 0x07 | Base-S3 | 72.00 | 26 | 3.00 | 1.4420 | 29.19 | -70.29 | 11.3 | -25.0 |
| $10 Y 3 \mathrm{D}$-PC-48 | $0 \times 08$ | Base-S3 | 72.00 | +. 26 | 8.00 | 7143 | 2.94 | -58.21 | 9.5 | -7.3 |
| $10 Y 3 \mathrm{D}-\mathrm{PC}-48$ $10 Y 3 \mathrm{PC}$ | $0 \times 09$ $0 \times 10$ | Base-S3 | 72.00 | 1.26 |  | ¢ 15792 | -55.26 | 75.09 | 2.1 | 19.7 |
| 10Y3D_PC-48 | $0 \times 11$ | Base-S3 Base-S3 | 72.00 72.00 | 26 | 8.0 8.00 | 308582 | 2.76 48.14 | 45.38 -66.78 | 8.3 | 3.7 |
| $10 Y 3 D^{-P C-48}$ | $0 \times 12$ | Base-S3 | 72 | 4.4 | 8.00 | 338898 | 4.29 3.29 | -41.79 | 12.0 | -8.0 0.8 |
| 10Y3D_PC-48 | $0 \times 13$ | Base-S3 |  | 4.26 | 8.00 | 379270 | -38.50 | 29.59 | 10.5 | -1.6 |
| 10Y3D_PC-48 | $0 Y 03$ | Base-S3 | 2.00 | 26 | 8.00 | 186443 | 1.20 | -126.62 | 3.5 | -38.4 |
| $10 Y 3 \mathrm{D}$-PC-48 | $0 \mathrm{YO4}$ | Base-S3 | 72.00 | ? 6 | 8.00 | 325262 | -198.16 | 112.93 | -64.3 | 13.9 |
| $10 Y 3 \mathrm{D}$ PC-48 | $0 Y 05$ | Base-S3 | 72.00 | 46 | 8.00 | 349756 | 190.32 | -108.42 | 40.7 | -38.2 |
| $10 Y 3 \mathrm{D}^{-} \mathrm{PC}^{-} 48$ | $0 Y 06$ | Base-S3 | $? .00$ | 45 | 8.00 | 366777 | -176.09 | 53.53 | -46.5 | -21.5 |
| 10Y3D_PC-48 | 0 Y07 | Base-S3 | 0 | 46 | 8.00 | 351095 | 85.77 | -14.66 | -15.2 | -26.7 |
| $10 Y 3 \mathrm{D}^{-\mathrm{PC}}{ }^{-18}$ | 0 Y08 | Base-S3 | 7\% ${ }^{\text {c }}$ | 26 | 8.00 | 164783 | -13.54 | -4.92 | -23.4 | -26.7 |
| $10 Y 3 \mathrm{D}$-PC-48 | 2 CO 9 | Base-S3 | 72.4 | +. 99 | 8.00 | 768625 | 10.93 | 7.93 | 83.2 | 50.5 |
| 10Y3D_PC-48 | 2 E 05 | Base-53 | 72.00 | 4.52 | 8.00 | 2863231 | 18.98 | 18.68 | 112.3 | 33.0 |
| $10 Y 3 D-P C-48$ $10 Y 3 D-{ }^{-1}$ | 4 CO 2 | Base-S3 | 72.00 | 4.61 | 8.00 | 504497 | 57.80 | 55.20 | 94.9 | 87.4 |
|  | 4 CO 3 | Base-S3 | 72.00 | 4.61 | 8.00 | 454812 | 63.86 | 61.52 | 93.1 | 56.2 |
|  | 4 CO 5 | Base-S3 | 72.00 | 4.61 | 8.00 | 458803 | 155.86 | 153.49 | 209.1 | 208.5 |
| $10 Y 3 D_{-P C-48}^{-}$ | 4D02 | Base-S3 | 72.00 | 4.55 | 8.00 | 416492 | 152.09 | 150.19 | 198.3 | 194.9 |
| $10 Y 3 D^{-} \mathrm{PC}^{-} 48$ | 4D03 | Base-S3 | 72.00 | 4.54 | 8.00 | 419898 | 155.20 | 153.29 | 223.5 | 210.2 |
| $10 Y 3 D^{-P C}-48$ | 4D04 | Base-S3 | 72.00 | 4.52 | 8.00 | 418741 | 153.66 | 151.85 | 213.6 | 201.5 |
| 10Y3D_PC-48 | 4D05 | Base-S3 | 72.00 | 4.52 | 8.00 | 229338 | 152.22 | 151.23 | 204.9 | 195.6 |
| $10 Y 3 D^{-P C-48}$ | 4D06 | Base-S3 | 72.00 | 4.45 | 8.00 | 221882 | 151.23 | 150.44 | 195.6 | 188.0 |
| 10Y3D_PC_48 | 4E01 | Base-S3 | 72.00 | 4.45 | 8.00 | 443455 | 169.50 | 167.93 | 224.4 | 210.2 |
| 10Y3D_PC-48 | 4E02 | Base-S3 | 72.00 | 4.45 | 8.00 | 441074 | 228.33 | 226.79 | 334.8 | 321.9 |



| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10Y3D_PC_48 | 4E03 | Base-S3 | 72.00 | 4.45 | 8.00 | 409944 | 202.14 | 200.70 | 227.8 | 216.3 |
| $10 Y 3 \mathrm{D}_{-}^{-} \mathrm{PC}_{-}^{-} 48$ | 4E04 | Base-S3 | 72.00 | 3.00 | 8.00 | 0 | 200.70 | 0.00 | 216.3 | 216.0 |
| $10 Y 3 D^{-P C-48}$ | CLO1 | Base-S3 | 72.00 | 5.11 | 8.00 | 1170054 | 5.92 | -4.20 | 216.9 | -6.1 |
| $10 Y 3 \mathrm{D}^{-1} \mathrm{PC}^{-} 48$ | CL02 | Base-S3 | 72.00 | 5.38 | 8.00 | 2814957 | 19.46 | 4.30 | 123.6 | 8.1 |
| 10Y3D-PC-48 | CL03 | Base-S3 | 72.00 | 5.88 | 8.00 | 375632 | 3.34 | 5.20 | 23.3 | 10.3 |
| 10Y3D-PC-48 | CLO4 | Base-S3 | 72.00 | 5.19 | 8.00 | 984170 | 6.46 | 2.99 | 36.7 | 4.7 |
| $10 Y 3 D^{-P C-48}$ | CL05 | Base-S3 | 72.00 | 5.01 | 8.00 | 1388848 | 13.10 | 5.86 | 66.7 | 10.9 |
| $10 Y 3 D^{-P C-48}$ | CL06 | Base-53 | 72.00 | 4.96 | 8.00 | 1023269 | 5.01 | -1.92 | 37.9 | -3.2 |
| $10 Y 3 D^{-} \mathrm{PC}^{-} 48$ | CV01 | Base-S3 | 72.00 | 5.83 | 8.00 | 2011746 | 11.6 | -3.20 | 77.7 | -4.8 |
| 10Y3D-PC-48 | CV02 | Base-S3 | 72.00 | 6.60 | 8.00 | 954562 | 7 | 16.94 | 63.9 | 21.0 |
| $10 Y 3 D^{-}{ }^{-1}{ }^{-} 48$ | cV03 | Base-S3 | 72.00 | 5.84 | 8.00 | 1777497 | $2 \quad 0$ | 13.82 | 81.1 | 20.9 |
| $10 Y 3 D^{-}{ }^{-P^{-}} 48$ | CV04 | Base-S3 | 72.00 | 5.05 | 8.00 | 238341 | . 63 | 5.36 | 32.7 | 25.9 |
| $10 \mathrm{Y3D}{ }^{-} \mathrm{PC}^{-} 48$ | CV05 | Base-S3 | 72.00 | 5.05 | 8.00 | 2920813 | 37.03 | 93 | 185.8 | 60.8 |
| $10 Y 3 D^{-P C-48}$ | CV06 | Base-S3 | 72.00 | 5.04 | 8.00 | 2313892 | 66.01 | 7. 4 | 218.2 | 122.6 |
| $10 Y 3 \mathrm{D}-\mathrm{PC}-48$ | FE01 | Base-S3 | 72.00 | 5.21 | 8.00 | $54273{ }^{5}$ | 4.68 | 4. | 33.2 | 9.7 |
| $10 Y 3 \mathrm{D}$-PC-48 | FE02 | Base-S3 | 72.00 | 5.16 | 8.00 | $490{ }^{\text {F }}$ | 885 | 7.7 | 32.2 | 11.4 |
| $10 Y 3 D^{-P C-48}$ | FE03 | Base-S3 | 72.00 | 5.16 | 8.00 | 2315 | 38 | 0.87 | 9.4 | -0.8 |
| $10 Y 3 \mathrm{D}$-PC-48 | FE04 | Base-S3 | 72.00 | 5.13 | 8.00 | 272 | J. 76 | 10.04 | 28.4 | 17.3 |
| $10 Y 3 \mathrm{D}$ PC-48 | EE05 | Base-S3 | 72.00 | 5.13 | 8.00 | 8316 | 0.93 | 0.71 | 5.7 | 2.6 |
| 10Y3D-PC-48 | FE06 | Base-S3 | 72.00 72.00 | 5.05 4.89 | 8.00 | 438385 | 13.24 2.53 | 11.59 | 38.4 | 20.7 |
| $10 Y 3 \mathrm{D}_{-\mathrm{PC}}{ }^{-48}$ | FT02 | Base-S3 | 72.00 | 4.64 | 8. | 2589102 | 2.53 .78 | 1.65 28.79 | 18.7 100.4 | 8.0 |
| $10 Y 3 D^{-1} \mathrm{PC}_{-}^{-} 48$ | FT03 | Base-s3 | 72.00 | 4.62 | 8.6 | -. ${ }^{\text {a }}$ | $4 \quad 34$ | 22.95 | 170.1 | 67.6 |
| $10 Y 3 D^{-} \mathrm{PC}^{-} 48$ | ET04 | Base-S3 | 72.00 | 4.71 | 8.06 | 237. | 26.89 | 25.65 | 54.3 | 45.5 |
| $10 Y 3 D^{-P C}-48$ | ET05 | Base-S3 | 72.00 | 4.79 | 8.00 | 21.95 | 26.00 | 25.06 | 49.2 | 41.0 |
| $10 Y 3 D^{-P C-48}$ | FT06 | Base-S3 | 72.00 | 4.89 | 8.00 | 「 485 | 24.43 | 22.46 | 47.5 | 23.8 |
| $10 Y 3 \mathrm{D}-\mathrm{PC}-48$ | HT01 HTO2 | Base-S3 | 72.00 | 5.1 | 8.00 | -56144 | 28.15 | 32.36 | 74.0 | 52.8 |
| $10 Y 3 D_{-P C-48}^{-}$ | нт03 | Base-S3 | 72.00 | . 62 | 3.00 | 79535 | 34.28 58.74 | 35.21 | 64.9 | 57.6 |
| 10Y3D_PC-48 | нт04 | Base-S3 | 72.00 | 4.62 | 8.00 | i. 7939 | 11.76 | 12.81 | 179.2 | 121.2 |
| 10Y3D_PC-48 | HT05 | Base-S3 | 72.00 | 4.54 |  | 5/0218 | 7.24 | 12.81 4.64 | 55.2 | 37.3 |
| $10 Y 3 D^{-P C}-48$ | HT06 | Base-S3 | 72.00 | 18 | 8.0 | +019159 | 11.39 | 23.36 | 94.5 | 43.4 |
| $10 Y 3 \mathrm{D}$ PC-48 | LIDO | Base-S3 | 72.00 |  | 8.00 | 3659040 | 13.55 | 0.95 | 102.9 | -13.8 |
| $10 Y 3 D^{-P C-48}$ | ML01 | Base-S3 | 72 | 5.6 | 8.00 | 779424 | 8.57 | 6.75 | 60.4 | 29.6 |
| $10 Y 3 \mathrm{D}^{-P C-48}$ | ML02 | Base-S3 | . 00 | 5.08 | 8.00 | 827808 | 13.48 | 11.30 | 72.6 | 39.4 |
| $10 Y 3 D^{-P C-48}$ | ML03 | Base-S3 | 2.00 | 08 | 8.00 | 1442235 | 20.02 | 15.91 | 98.8 | 37.3 |
| 10Y3D-PC-48 | ML04 | Base-S3 | 72.00 | 77 | 8.00 | 2040177 | 29.69 | 23.12 | 128.8 | 43.7 |
| $10 Y 3 D^{-P C} 48$ | ML05 | Base-S3 | 72.00 | 55 | 8.00 | 3776825 | 43.52 | 29.67 | 205.3 | 37.7 |
| $10 Y 3 \mathrm{D}$ PC-48 | ML06 | Base-S3 | $\bigcirc .00$ | 53 | 8.00 | 3490734 | 54.84 | 41.23 | 162.3 | 10.4 |
| $10 Y 3 \mathrm{D}-\mathrm{PC}-48$ | ML07 | Base-S3 | - 70 | 50 | 8.00 | 544619 | 47.95 | 45.80 | 50.3 | 31.8 |
| $10 Y 3 \mathrm{D}_{-}^{-} \mathrm{PC}_{-}^{-48}$ | MP01 | Base-S3 | 72.6 | 99 +.61 | 8.00 8.00 | 474091 911946 | 54.10 12.37 | 52.20 7.65 | 85.7 18.8 | 70.9 -7.4 |
| $10 Y 3 D^{-P C-48}$ | MP02 | Base-S3 | 72.00 | 4.61 | 8.00 | 2415261 | 21.71 | 9.10 | 61.1 | -4.8 |
| $10 Y 3 D^{-P C-48}$ | MP03 | Base-S3 | 72.00 | 4.64 | 8.00 | 2464209 | 22.11 | 8.32 | 70.9 | 1.5 |
| $10 Y 3 D^{-P C-}{ }^{-18}$ | MP04 | Base-S3 | 72.00 | 4.64 | 8.00 | 153956 | 9.13 | 8.29 | 8.0 | 2.2 |
| $10 Y 3 D^{-P C-48}$ | MP05 | Base-S3 | 72.00 | 4.61 | 8.00 | 379112 | 0.81 | -1.22 | 7.4 | -6.6 |
| $10 Y 3 D^{-P C-48}$ | MP06 | Base-S3 | 72.00 | 4.66 | 8.00 | 270119 | 76.09 | 74.88 | 156.3 | 132.8 |
| $10 Y 3 D^{-P C}-48$ | MP07 | Base-S3 | 72.00 | 4.79 | 8.00 | 1079 | 76.09 | 76.09 | 134.2 | 156.3 |
| $10 Y 3 \mathrm{D}$ PC-48 | MPE01 | Base-S3 | 72.00 | 5.02 | 8.00 | 1959906 | 91.42 | 96.13 | 272.3 | 178.1 |
| $10 Y 3 \mathrm{D}$ - $\mathrm{PC}^{-48}$ | NursNoLk | NursNoLk | 72.00 | 5.12 | 8.00 | 264 | 0.63 | 0.63 | 5.1 | 5.1 |
| $10 Y 3 \mathrm{D}$ PC-48 | NWpembk145th | NursNoLk | 72.00 | 4.93 | 7.00 | 283 | 20.04 | 20.04 | 43.8 | 34.7 |
| $10 Y 3 D^{-} \mathrm{PC}^{-} 48$ | PG | Base-53 | 72.00 | 5.19 | 8.00 | 2725 | 3.65 | 3.65 | 28.8 | 28.7 |
| 10Y3D_PC-48 | PS01 | Base-S3 | 72.00 | 4.90 | 8.00 | 1025074 | 8.24 | 4.96 | 57.7 | 18.3 |
| 10Y3D_PC-48 | PS02 | Base-S3 | 72.00 | 4.90 | 8.00 | 1566071 | 11.96 | 6.91 | 84.2 | 23.6 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-3 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In | $\begin{array}{r} \text { Total } \\ \text { Vol Out } \\ \text { af } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10Y3D_PC 48 | PS03 | Base-53 | 72.00 | 4.89 | 8.00 | 3735093 | 30.46 | 18.12 | 176.5 | 28.6 |
| 10Y3D_PC_48 | TpkExtension | Base-S3 | 72.00 | 4.26 | 8.00 | 805228 | 0.00 | -7.06 | 0.0 | -19.7 |



| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Total Outflow cfs | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100Y3D_PC48 | 0D07 | Base-S3 | 72.00 | 4.95 | 8.00 | 261491 | 1.91 | -281.57 | 10.5 | -54.7 |
| 100Y3D_PC48 | 0D08 | Base-S3 | 72.00 | 4.95 | 8.00 | 317497 | -279.66 | 228.08 | -44.2 | 43.4 |
| 100Y3D_PC48 | 0D09 | Base-S3 | 72.00 | 4.95 | 8.00 | 270673 | 229.99 | -1.77 | 53.8 | -5.1 |
| $100 Y 3 \mathrm{D}$-PC48 | 0D10 | Base-S3 | 72.00 | 5.13 | 8.00 | 264990 | 1.75 | 746.38 | 9.7 | 163.2 |
| 100Y3D-PC48 | OD11 | Base-S3 | 72.00 | 5.12 | 8.00 | 314919 | 748.13 | -344.67 | 172.9 | -86.0 |
| 100Y3D-PC48 | OD12 | Base-S3 | 72.00 | 5.12 | 8.00 | 254504 | -342.92 | -4.27 | -76.3 | -11.1 |
| 100Y3D-PC48 | 0D13 | Base-S3 | 72.00 | 5.12 | 8.00 | 266988 | 1.76 | $\bigcirc 69.94$ | 9.7 | 145.1 |
| $100 Y 3 \mathrm{D}$ PC48 | 0D14 | Base-S3 | 72.00 | 5.11 | 8.00 | 326759 | 571.70 | د26.18 | 154.8 | -146.7 |
| 100Y3D-PC48 | OD15 | Base-S3 | 72.00 | 5.12 | 8.00 | 265044 | -524.42 | -4.85 | -137.0 | -12.0 |
| 100Y3D-PC48 | OE07 | Base-S3 | 72.00 | 5.14 | 8.00 | 246237 | -11. | 15.16 | -40.7 | -26.6 |
| 100 Y3D-PC48 | OE08 | Base-S3 | 72.00 | 5.14 | 8.00 | 274347 |  | -35.49 | -46.9 | -91.1 |
| $100 Y 3 D^{-P C 48}$ | OE09 | Base-S3 | 72.00 | 5.14 | 8.00 | 274198 | - .81 | 7.41 | -88.6 | -94.2 |
| 100 Y 3 D -PC48 | OE10 | Base-S3 | 72.00 | 5.14 | 8.00 | 245800 | -26.84 | . 70 | -89.0 | -102.2 |
| $100 Y 3 D^{-P}{ }^{\text {P/P48 }}$ | 0 E 14 | Base-S3 | 72.00 | 5.14 | 8.00 | 245174 | 0.61 | $2{ }^{1} 8$ | 1.2 | 13.9 |
| $100 Y 3 D^{-P C 48}$ | OE15 | Base-S3 | 72.00 | 5.14 | 8.00 | $25148^{5}$ | 26.09 | -2. | 23.0 | -13.0 |
| $100 Y 3 D^{-P C 48}$ | 0 O16 | Base-s3 | 72.00 | 5.14 | 8.00 | 2500 | 2.28 | -155.0 | 10.7 | -57.5 |
| 100Y3D_PC48 | 0E17 | Base-53 | 72.00 | 5.14 | 8.00 | $27^{\circ} 8$ | -15 - ${ }^{\text {2 }}$ | 168.49 | -46.8 | 60.4 |
| $100 Y 3 D^{-P C 48}$ | 0 E 18 | Base-53 | 72.00 | 5.14 | 8.00 | 251. | . 77 | -1.40 | 71.1 | -2.5 |
| 100Y3D_PC48 | 0E19 | Base-S3 | 72.00 | 5.14 | 8.00 | 26884 | 2.55 | 37.11 | 11.7 | 10.8 |
| $100 Y 3 D^{-P C 48}$ | OE20 | Base-S3 | 72.00 | 5.14 | 8.00 | 301974 | 39.66 | -34.78 | 22.5 | -12.1 |
| 100Y3D-PC48 | OE21 | Base-S3 | 72.00 | 5.14 | $8.0{ }^{\text {n }}$ | 268497 | 32.22 | -0.88 | -0.3 | -2.8 |
| $100 Y 3 D^{-P C 48}$ | OE22 | Base-53 | 72.00 | 5.25 | 8. | 337466 | . 99 | -89.60 | 9.4 | -39.3 |
| 100Y3D_PC48 | OE23 | Base-S3 | 72.00 | 5.25 | 8.6 | ${ }^{7} 4$ | -2. 56 | -32.79 | -176.2 | -112.5 |
| $100 Y 3 D^{-P C 48}$ | 0E24 | Base-S3 | 72.00 | 5.25 | 8.06 | 23, | -29.71 | -142.94 | -92.8 | -146.4 |
| 100Y3D-PC48 | OE25 | Base-S3 | 72.00 | 5.36 | 8.00 | $28^{-}$ | 29.67 | -37.89 | -99.8 | -112.0 |
| 100Y3D_PC48 | OE26 | Base-S3 | 72.00 | 5.36 | 8.00 | - 645 | -34.77 | 0.00 | -99.3 | -128.1 |
| $100 Y 3 D^{-P C 48}$ | 0E27 | Base-S3 | 72.00 | 5.3 | 8.00 | $\bigcirc 3114$ | 3.12 | -31.06 | -115.4 | -117.0 |
| $100 Y 3 D^{-P C 48}$ | $0 \times 06$ | Base-S3 | 72.00 | 5 | 3.00 | 202899 | 4.37 | -41.73 | 12.4 | -63.2 |
| $100 Y 3 D^{-P C 48}$ | $0 \times 07$ | Base-S3 | 72.00 | 14 | 3.00 | 18215 | -37.36 | 123.34 | -50.8 | 165.7 |
| 100Y3D_PC48 | $0 \times 08$ | Base-S3 | 72.00 | 0.14 | 8.00 | 3543 | 4.51 | 87.18 | 19.7 | 140.3 |
| $100 Y 3 D^{-P C 48}$ | $0 \times 09$ | Base-S3 | 72.00 | 5.14 |  | $4 \checkmark 3920$ | 91.69 | -123.01 | 160.0 | -176.6 |
| 100Y3D-PC48 | $0 \times 10$ | Base-s3 | 72.00 | 14 | 8.u | 366163 | 4.23 | -73.95 | 17.8 | -117.9 |
| $100 Y 3 D^{-P C 48}$ | $0 \times 11$ | Base-S3 | 72.00 | 5 | 8.00 | 395164 | -69.72 | 96.31 | -100.1 | 216.8 |
| $100 Y 3 D^{-P C 48}$ | $0 \times 12$ | Base-S3 | 72 | 5.1 | 8.00 | 415729 | 5.03 | 76.44 | 21.0 | 131.2 |
| $100 Y 3 D^{-P C 48}$ | $0 \times 13$ | Base-S3 | . 00 | 5.14 | 8.00 | 456468 | 81.47 | -27.00 | 152.1 | -99.5 |
| 100Y3D-PC48 | 0 YO 3 | Base-S3 | 2.00 | 14 | 8.00 | 188328 | 1.79 | 209.76 | 7.3 | 297.3 |
| 100Y3D-PC48 | 0 Y 04 | Base-S3 | 72.00 | 14 | 8.00 | 350808 | 331.90 | -194.77 | 460.9 | -301.4 |
| 100Y3D_PC48 | 0 Y 05 | Base-S3 | 72.00 | 54 | 8.00 | 395085 | -314.36 | 162.37 | -463.5 | 271.5 |
| $100 Y 3 D^{-P C 48}$ | 0 Y 06 | Base-S3 | ?. 00 | 54 | 8.00 | 410284 | 256.76 | 57.79 | 487.1 | -241.6 |
| $100 Y 3 D^{-P C 48}$ | 0 Y 07 | Base-S3 | 90 | 5.4 | 8.00 | 408347 | 34.72 | 23.12 | -324.8 | 33.2 |
| 100Y3D_PC48 | 0 Y 08 | Base-S3 | 7\% | 14 | 8.00 | 166455 | 24.79 | -8.16 | 40.1 | -27.8 |
| 100Y3D-PC48 | 2 C 09 | Base-s3 | 72.4 | 0.12 | 8.00 | 1193991 | 17.23 | 12.35 | 139.0 | 86.0 |
| 100Y3D-PC48 | 2E05 | Base-s3 | 72.00 | 5.53 | 8.00 | 3692633 | 32.80 | 26.10 | 214.7 | 59.8 |
| 100Y3D-PC48 | $4 \mathrm{C02}$ | Base-S3 | 72.00 | 5.56 | 8.00 | 528273 | 56.98 | 51.25 | 132.3 | 21.7 |
| 100Y3D-PC48 | $4 \mathrm{C03}$ | Base-S3 | 72.00 | 5.56 | 8.00 | 474215 | 61.25 | 56.11 | 28.2 | 153.3 |
| 100Y3D-PC48 | 4 C 05 | Base-S3 | 72.00 | 5.56 | 8.00 | 477373 | 161.46 | 156.29 | 406.1 | 294.3 |
| 100Y3D_PC48 | $4 \mathrm{DO1}$ | Base-S3 | 72.00 | 5.56 | 8.00 | 435213 | 156.86 | 152.15 | 299.5 | 285.3 |
| 100Y3D-PC48 | 4D02 | Base-s3 | 72.00 | 5.49 | 8.00 | 434888 | 152.72 | 148.38 | 290.6 | 269.0 |
| $100 Y 3 D^{-P C 48}$ | 4 D 03 | Base-S3 | 72.00 | 5.49 | 8.00 | 438440 | 153.84 | 149.47 | 335.4 | 309.4 |
| 100Y3D-PC48 | 4D04 | Base-s3 | 72.00 | 5.47 | 8.00 | 438328 | 150.05 | 145.82 | 314.7 | 295.2 |
| $100 Y 3 D^{-P C 48}$ | 4D05 | Base-S3 | 72.00 | 5.47 | 8.00 | 240263 | 146.39 | 144.08 | 300.4 | 283.8 |
| 100Y3D_PC48 | 4D06 | Base-S3 | 72.00 | 5.41 | 8.00 | 231706 | 144.08 | 142.12 | 283.8 | 289.8 |
| $100 Y 3 \mathrm{D}-\mathrm{PC4} 8$ | 4E01 | Base-S3 | 72.00 | 5.41 | 8.00 | 462557 | 168.79 | 164.89 | 354.9 | 293.4 |
| 100Y3D_PC48 | 4E02 | Base-S3 | 72.00 | 5.41 | 8.00 | 460922 | 238.65 | 234.75 | 481.9 | 486.4 |

$\begin{array}{lllllll} & \text { SOUTH BROWARD DRAINAGE DISTRICT } \\ \text { BASIN S-3 } & 72 \text { HR NODAL STAGE REPORT FOR } 100 \text { YR } 3 \text { DAY STORM } \\ & & \text { TABLE II-C-8 }\end{array}$

| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | Total Inflow cfs cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100Y3D_PC48 | 4E03 | Base-s3 | 72.00 | 5.40 | 8.00 | 428466 | 204.26 | 200.70 | 374.7 | 344.2 |
| $100 Y 3 D^{-P C 48}$ | 4E04 | Base-S3 | 72.00 | 3.00 | 8.00 | 0 | 200.70 | 0.00 | 344.2 | 0.0 |
| 100Y3D_PC48 | CLO1 | Base-S3 | 72.00 | 6.17 | 8.00 | 1772698 | 10.63 | -4.54 | 68.6 | -8.8 |
| 100 Y 3 D -PC48 | CLO2 | Base-S3 | 72.00 | 6.48 | 8.00 | 4863001 | 32.56 | 4.47 | 221.6 | 10.8 |
| $100 Y 3 D^{-P C 48}$ | CL03 | Base-S3 | 72.00 | 7.05 | 8.00 | 752238 | 5.41 | 5.52 | 41.1 | 13.4 |
| 100Y3D_PC48 | CLO4 | Base-S3 | 72.00 | 6.30 | 8.00 | 1796771 | 11.64 | 3.26 | 72.2 | 6.4 |
| $100 Y 3 D^{-P C 48}$ | CL05 | Base-S3 | 72.00 | 6.08 | 8.00 | 1800326 | 18.19 | 6.73 | 109.4 | 15.5 |
| $100 Y 3 \mathrm{D}$ _PC48 | CL06 | Base-s3 | 72.00 | 6.01 | 8.00 | 1259088 | 8.19 | -2.21 | 63.5 | -4.5 |
| 100Y3D-PC48 | cV01 | Base-S3 | 72.00 | 6.88 | 8.00 | 3234588 | 19.5? | -3.59 | 138.7 | -6.2 |
| $100 Y 3 D^{-P C 48}$ | CVO2 | Base-S3 | 72.00 | 7.54 | 8.00 | 1896098 | 12 | 19.40 | 103.3 | 29.6 |
| 100Y3D_PC48 | CV03 | Base-S3 | 72.00 | 6.88 | 8.00 | 3091761 | 3.2 | 12.09 | 145.0 | 27.3 |
| 100Y3D_PC48 | CV04 | Base-S3 | 72.00 | 6.27 | 8.00 | 539666 | . 39 | 8.52 | 56.8 | 40.0 |
| 100 Y 3 D -PC48 | CV05 | Base-S3 | 72.00 | 6.27 | 8.00 | 3768819 | 48.86 | . 66 | 295.7 | 79.6 |
| 100Y3D_PC48 | CV06 | Base-S3 | 72.00 | 6.25 | 8.00 | 3228778 | 88.30 | y. ${ }^{6}$ | 338.4 | 167.9 |
| $100 Y 3 D^{\text {PC4 }} 8$ | FE01 | Base-S3 | 72.00 | 6.46 | 8.00 | 97211 | 7.63 | 6. | 57.7 | 13.6 |
| $100 Y 3 D^{-P C 48}$ | FE02 | Base-S3 | 72.00 | 6.35 | 8.00 | 8545 | 1330 | 10.1. | 54.4 | 16.3 |
| 100Y3D_PC48 | EE03 | Base-S3 | 72.00 | 6.35 | 8.00 | $35+9$ | 47 | 0.93 | 16.6 | -1.4 |
| 100Y3D_PC48 | FE04 | Base-S3 | 72.00 | 6.30 | 8.00 | 50' | +. 62 | 12.37 | 47.2 | 26.4 |
| $100 Y 3 D^{-P C 48}$ | FE05 | Base-S3 | 72.00 | 6.30 | 8.00 | 1855 t | 1.56 | 0.73 | 10.7 | 4.3 |
| 100Y3D_PC48 | FE06 | Base-S3 | 72.00 | 6.18 | 8.00 | 710269 | 17.71 | 13.51 | 64.4 | 32.8 |
| 100Y3D_PC48 | FT01 | Base-S3 | 72.00 | 6.00 | 8.0 | 273085 | 4.10 | 2.60 | 31.9 | 14.5 |
| 100Y3D_PC48 | FT02 | Base-S3 | 72.00 | 5.60 | 8. | ค1.3629 | -. 63 | 36.35 | 168.4 | 115.9 |
| $100 Y 3 D^{-P C 48}$ | FT03 | Base-S3 | 72.00 | 5.57 | 8.6 |  | -75 | 19.32 | 277.3 | 88.5 |
| 100Y3D-PC48 | FT04 | Base-S3 | 72.00 | 5.70 | 8.01 | 251 | 35.51 | 32.98 | 85.5 | 71.1 |
| $100 Y 3 D^{-}$PC48 | FT05 | Base-s3 | 72.00 | 5.84 | 8.00 | 2707 | 34.31 | 32.51 | 76.3 | 62.8 |
| 100Y3D_PC48 | FT06 | Base-S3 | 72.00 | 6.00 | 8.00 | - 9854 | 31.88 | 28.52 | 71.0 | 32.2 |
| 100Y3D_PC48 | HT01 | Base-S3 | 72.00 | 6.7 | 8.00 | -06123 | 35.45 | 37.49 | 114.7 | 71.7 |
| 100Y3D_PC48 | нT02 | Base-S3 | 72.00 | F 1 | 8.00 | 357038 | 40.70 | 40.96 | 94.0 | 80.2 |
| $100 Y 3 D^{-P C 48}$ | нT03 | Base-S3 | 72.00 | . 66 | 3.00 | 31539 | 75.74 | 73.19 | 284.1 | 183.2 |
| $100 Y 3 D^{-P}$ PC48 | нт04 | Base-S3 | 72.00 | 5.67 | 8.00 | 16224 | 18.78 | 17.03 | 150.9 | 75.7 |
| 100Y3D_PC48 | HT05 | Base-S3 | 72.00 | 5.49 |  | 651446 | 11.40 | 4.89 | 92.2 | 61.0 |
| 100Y3D_PC48 | HT06 | Base-S3 | 72.00 | 93 | 8.00 | 1940206 | 17.73 | 27.39 | 152.0 | 58.6 |
| $100 Y 3 D^{-P C 48}$ | LIDO | Base-S3 | 72.00 | $\bigcirc$ | 8.00 | 3659040 | 21.84 | 1.46 | 175.1 | -35.0 |
| $100 Y 3 D^{-P C 48}$ | ML01 | Base-s3 | 77 | 6.. | 8.00 | 1457923 | 13.98 | 13.29 | 105.2 | 45.8 |
| $100 Y 3 D^{-P C 48}$ | ML02 | Base-S3 | . 00 | 6.27 | 8.00 | 1482518 | 24.53 | 20.74 | 124.1 | 61.7 |
| 100Y3D_PC48 | ML03 | Base-S3 | 12.00 | 25 | 8.00 | 2169807 | 35.18 | 26.96 | 166.0 | 58.6 |
| $100 Y 3 D^{-P C 48}$ | ML04 | Base-S3 | 72.00 | $? 2$ | 8.00 | 3216205 | 49.85 | 33.20 | 221.5 | 71.2 |
| 100Y3D-PC48 | ML05 | Base-s3 | 72.00 | t 9 | 8.00 | 4716006 | 65.80 | 37.23 | 334.6 | 60.0 |
| 100Y3D-PC48 | ML06 | Base-53 | 2.00 | 66 | 8.00 | 4275197 | 73.09 | 47.49 | 264.6 | 15.0 |
| 100Y3D_PC48 | ML07 | Base-S3 | no | ¢ 11 | 8.00 | 1163867 | 58.82 | 52.66 | 90.8 | 53.4 |
| 100Y3D-PC48 | ML08 | Base-S3 | 7\% | . 10 | 8.00 | 518535 | 65.59 | 62.86 | 144.7 | 112.2 |
| 100Y3D-PC48 | MP01 | Base-S3 | 72.6 | 5.56 | 8.00 | 917621 | 15.17 | 5.21 | 32.1 | -9.8 |
| 100Y3D-PC48 | MP02 | Base-S3 | 72.00 | 5.56 | 8.00 | 2415261 | 36.21 | 9.77 | 109.7 | -9.1 |
| 100Y3D-PC48 | MP03 | Base-S3 | 72.00 | 5.59 | 8.00 | 2464209 | 38.03 | 9.89 | 122.7 | -0.1 |
| 100Y3D-PC48 | MP04 | Base-S3 | 72.00 | 5.58 | 8.00 | 154308 | 11.16 | 9.43 | 10.5 | 1.2 |
| 100Y3D-PC48 | MP05 | Base-S3 | 72.00 | 5.55 | 8.00 | 379194 | 1.25 | -2.97 | 11.5 | -10.7 |
| $100 \mathrm{Y3D-PC48}$ | MP06 | Base-S3 | 72.00 | 5.61 | 8.00 | 270119 | 99.70 | 96.99 | 203.0 | 198.0 |
| 100Y3D_PC48 | MP07 | Base-S3 | 72.00 | 5.83 | 8.00 | 1079 | 99.71 | 99.70 | 222.0 | 203.0 |
| 100Y3D-PC48 | MPE01 | Base-s3 | 72.00 | 6.22 | 8.00 | 1959152 | 123.45 | 125.27 | 414.0 | 275.3 |
| $100 Y 3 D^{-P C 48}$ | NursNoLk | NursNoLk | 72.00 | 6.23 | 8.00 | 402 | 0.98 | 0.98 | 8.3 | 8.3 |
| 100Y3D-PC48 | NWpembk145th | NursNoLk | 72.00 | 6.07 | 7.00 | 283 | 25.56 | 25.56 | 53.3 | 57.5 |
| 100Y3D-PC48 | PG | Base-53 | 72.00 | 6.24 | 8.00 | 4029 | 5.70 | 5.70 | 47.9 | 47.5 |
| $100 Y 3 D^{-}$PC48 | PS01 | Base-S3 | 72.00 | 6.02 | 8.00 | 1501671 | 13.50 | 6.69 | 100.3 | 30.8 |
| 100Y3D_PC48 | PSO2 | Base-S3 | 72.00 | 6.02 | 8.00 | 2249325 | 19.59 | 8.62 | 146.0 | 39.8 |

SOUTH BROWARD DRAINAGE DISTRICT
BASIN S-3 72 HR NODAL STAGE REPORT FOR 100 YR 3 DAY STORM TABLE II-C-8

| Simulation | Node | Group | Time hrs | Stage ft | $\begin{array}{r} \text { Warning } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Surface <br> Area f七2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total <br> Vol $\begin{array}{r}\text { In } \\ a f\end{array}$ | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 100 \text { Y3D_PC48 } \\ & 100 \text { Y3D_PC48 } \end{aligned}$ | PS03 ${ }_{\text {Prextension }}$ | $\begin{aligned} & \text { Base-S3 } \\ & \text { Base-S3 } \end{aligned}$ | $\begin{aligned} & 72.00 \\ & 72.00 \end{aligned}$ | $\begin{aligned} & 6.01 \\ & 5.13 \end{aligned}$ | 8.00 8.00 | $\begin{aligned} & 4800291 \\ & 1177379 \end{aligned}$ | $\begin{array}{r} 46.14 \\ 0.00 \end{array}$ | $\begin{array}{r} 21.48 \\ -10.86 \end{array}$ | 300.0 0.0 | $\begin{array}{r} 47.2 \\ -38.5 \end{array}$ |

## SOUTH BROWARD DRAINAGE DISTRICT


BASIN S-4


## BASIN S-4

## DESCRIPTION

Basin S-4 is located in the southern quadrant of the District and consists of approximately 3.25 square miles. It is bordered on the west by SW $172^{\text {nd }}$ Avenue, on the south by the Miami-Dade County/Broward County line, on the east by Interstate 75 and on the north by Pembroke Road and SW $25^{\text {th }}$ Street. The entire basin lies within the City of Miramar.

The Basin S-4 boundaries and existing facilities are shown in Figure II-D-1and Table II-$\mathrm{D}-1$ provides a summary of the basin characteristics.

As with Basin S-3, the vast majority of the Basin S-4 has been developed, and for those properties that are left to be developed, the required wa' $r \mathrm{r}$ management system is in place and operational.

Since 2005, the following improvements have been complet within the S-4 Basin:

- Upgrades to the control systems for the ${ }^{r} 4$ pump station.
- Installation of revetment stabilization at isc aneous lake interconnects.
- Miscellaneous lake bank restorations follow g Hurricane Wilma.
- Miscellaneous culvert cleanings.

The following new developments hove beei $\subset$.npleted:

* Bass Creek Road, B1 sed J hn Ci rch, Benihana, Chili’s, Chick-Fil-A, Bank Atlantic, Bokampers, a fis it.

The following infrastr -turt nprı ${ }^{\circ}$ ments are proposed for the S-4 Basin:

- Continued $h_{c}$ tening ol lake banks and headwalls at critical lake interconnect locations.
- Installation of boat $\quad$ lps for improved access by SBDD maintenance crews.
- Miscellaneous culvert repairs/replacements.


## METHODOLOGY

The water management system for the $\mathrm{S}-4$ Basin consists of a series of interconnected lakes that convey stormwater to the SFWMD C-9 Canal via the S-4 Pump Station. The $\mathrm{S}-4$ pump station controls the permitted discharge rate ( 70 cfs ) and provides water quality for the entire basin. Water quality requirements and discharge rates from the $\mathrm{S}-4$ Basin are regulated by the SFWMD Permit \# 06-01835-S. The pumps for Basins S-4 and S-5 are housed in one building located at the SFWMD C-9 Canal, west of SW 172 ${ }^{\text {nd }}$ Avenue in the City of Miramar.

Since the last update of this report, there has been a limited amount of new development within the S-4 Basin. All the water management areas that serve the basin are in place
and operational. Therefore, the AdICPR model for this basin was not updated, except for minor adjustments to the rainfall data and to the basin characteristics in the area of Bass Creek Road and SW 172 ${ }^{\text {nd }}$ Avenue.

Figure II-D-1 depicts the existing facilities in Basin S-4 and Table II-D-2 provides the existing culvert schedule for the basin. Figures II-D-2, II-D-3, II-D-4, and II-D-5 show the existing flood gates, control structures, staff gauges, and fish guards within basin S4, respectively, with corresponding Schedule Tables II-D-3, II-D-4, II-D-5 and II-D-6.

## MODEL ANALYSIS

Basin S-4 is comprised primarily of a series of lakes with interconnecting culverts with an ultimate culvert connection to the S-4 pump station. Based on the AdICPR model results, all properties within Basin S-4 meets the District's adopted Level of Service.

Figure II-D-6 shows the overall AdICPR nodal diagram rr Basin S-4 and Tables II-D-7 and II-D-8 list the AdICPR output data for maximum $\quad i a_{c}$ s and 72-hour stages at each node within the basin.

## SUMMARY \& RECOMMENDATIONS

The AdICPR model analysis performed t - Ban S-4.ndicates that the adopted Level of Service is being met in this basin.

There are no basin improve ents ecomr nded at this time. The existing facilities within the basin currently p. ride ....... storage, conveyance, and equalization. The 70 cfs pump station encrires at the SFWMD permitted water quality and quantity requirements for the 'asin á belı attained.

Culvert No. 4-19 wi. need to $\geq$ extended to accommodate any future development on the southeast corner oi 'vkes ,oad and Miramar Parkway.

TABLE II-D-1



SFWMD C-9 CANAI

## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-4 EXISTING FACILITIES MAP

## Legend

Culverts 2012SBDD Pump Station
$\Sigma$


, 3,000 Feet

TABLE II-D-2

| BASIN S-4 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| 4-1 | Silver Isles | SW 163rd Ave \& (S) of SW 29th Street | 48 | RCP | CIRC. | 339 |  |
| 4-2 | Silver Isles | (W) of SW 163rd Ave. \& SW 30th Street | 48 | RCP | CIRC. | 310 |  |
| 4-3 | Silver Isles | Dykes Rd. (N) of Miramar Pkwy. | 48 | RCP | CIRC. | 694 |  |
| 4-4 | Silver Isles / Nautica | SW 164th Ave. \& Miramar Pkwy. | 48 | RCP | CIRC. | 742 |  |
| 4-5 | Nautica | East Pipe - 16400 SW 164th Ave. | 48 | RCP | CIRC. | 282 |  |
| 4-6 | Nautica | Center Pipe - SW 36th Ct. | 48 | RCP | CIRC. | 158 |  |
| 4-7 | Nautica | West Pipe - SW 37th Ct. | $4{ }^{\circ}$ | RCP | CIRC. | 161 |  |
| 4-8 | Nautica / Silver Lakes | SW 172nd Ave. \& Bass Creek Rd. | $\cdots$ \& 60 | CAP | CIRC. | 261 | Control Structure / Flood Gate |
| 4-9.1 | Riviera Isles Village 18 | Bass Creek Rd. \& (W) of Dykes Rd. | 54 | 1 | CIRC. | 928 |  |
| 4-9.2 | Riviera Isles Village 18 | Bass Creek Rd. \& (W) of Dykes Rd. | $5{ }^{4}$ | RCP | CIRC. | 928 |  |
| 4-10 | Country Lakes / Riviera Isles | Bass Creek Rd. (E) of Dykes Rd. | * 8 | RCP | CIRC. | 238 |  |
| 4-11 | Riviera Isles | SW 155th Ave. \& SW 51st Pl. | ${ }^{\circ}$ | RCP | CIRC. | 506 |  |
| 4-12 | Riviera Isles | Riviera Isles - (E) of Entry Road | 4. | RCP | CIRC. | 182 |  |
| 4-13 | Riviera Isles | Riviera Isles - (W) of Entry Road | . 8 | RCP | CIRC. | 181 |  |
| 4-14 | Riviera Isles - Outfall | 5275 SW 171st Ave. | 84 | RCP | CIRC. | 217 |  |
| 4-15 | S-4 Pump Station | S-4 Pump Station Inflow Pipe | 84 | RCP | CIRC. | 89 |  |
| 4-16 | Riviera Isles - Regalo | (N) of Bass Creek Rd. \& (W, ${ }^{\text {c }}$ Dyke ${ }^{\text {c }}$ | 72 \& 54 | RCP | CIRC. | 375 |  |
| 4-17.1 | S-4 Pump Station | 5500 SW 172nd Ave. | 30 | DIP | CIRC. | 130 | 31K GPM, Pump \# 1 |
| 4-17.2 | S-4 Pump Station | 5500 SW 172nd e. | 30 | DIP | CIRC. | 130 | 31K GPM, Pump \# 2 |
| 4-17.3 | S-4 Pump Station | 5500 SW 17 Ave. | 30 | DIP | CIRC. | 130 | Free Flow Tube |
| 4-18 | Dykes Rd. \& Miramar Pkwy. | Dykes Rd. \& $\mathrm{N}_{\sim}$ \#ar Pkwy. | 72 | RCP | CIRC. | 408 |  |
| 4-19 | Nautica / Country Lakes | Dykes Rd. (S) of M. ${ }^{\text {arar Pk }}$ | 48 \& 54 | RCP | CIRC. | 210 |  |
| 4-20 | Miramar Regional Park | 16801 Miramar Pkwy. - ance | BRIDGE |  |  |  |  |
| 4-21 | Miramar Regional Park | 16801 Miramar Pkwy. - (S) near Aquatic Center | BRIDGE |  |  |  |  |
| 4-22 | Miramar Regional Park | 16801 Miramar Pkwy. - ( N ) near Baseball Fields | BRIDGE |  |  |  |  |



SFWMD C-9 CANAL

## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-4 FLOOD GATE MAP

## Legend

- Flood Gate
$\sim \sim$ SFWMD Canal
- SBDD Pump Station

5 Water Bodies


BASIN S-4 FLOOD GATE SCHEDULE


SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-4 CONTROL STRUCTURES MAP

## Legend

$\triangle$ Control Structures
$\sim \sim$ SFWMD Canal

- SBDD Pump Station

5 Water Bodies




Calini, Giordano \& Assceiales, hle:

## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-4 STAFF GAUGE MAP

## Legend

$\diamond$ Staff Gauge
$\sim \sim$ SFWMD Canal

- SBDD Pump Station

5 Water Bodies


# BASIN S-4 STAFF GAUGE SCHEDULE 

| ID Subdivision | Location |  |  |
| :---: | :--- | :--- | :--- |
| 26 | Nautica | (SW) corner of Miramar Pkwy. \& Dykes Rd. |  |
| 32 | S-4 Pump Station Upstream | 5500 SW 172nd Ave. |  |
| 34 | S-4 / S-5 Pump Station Downstream | (S) of 5500 SW 172nd Ave. |  |
| 63 | Home Depot at the Fountains | Miramar Pkwy. \& Dykes Rd. | Water Level Recorder |



SFWMD C-9 CANAL

## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-4 FISH GUARD MAP

## Legend

- Fish Guards
$\sim \sim$ SFWMD Canal
- SBDD Pump Station
$\sum$ Water Bodies


BASIN S-4 FISH GUARD SCHEDULE

| $4-11$ | Riviera Isles | 5131 SW 151st Ave. |
| :--- | :--- | :--- |
| $4-16$ | Regalo @ Riviera Isles | 4705 SW 164th Ave. |



## BASIN S-4

# BASIN MAXIMUM STAGE REPORT 

10-YEAR, 3-DAY ST $\boldsymbol{J} \mathbf{R}_{ \pm}{ }^{\text {「 }}$ 25-YEAR, 3-DAV $\mathbf{s}$ TORM<br>100-YEAR, 3-DA ${ }^{\ulcorner }$. ORM

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-4 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \text { ft } \end{gathered}$ | Warning Stage ft | Max Delta Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A-01 | BASIN-S4 | 100YR_3DAY | 73.88 | 6.34 | 7.50 | 0.0007 | 2636895 | 60.00 | 804.38 | 60.02 | 200.91 |
| A-01 | BASIN-S4 | $10 \mathrm{YR}{ }^{-3 \mathrm{SAM}}$ | 72.44 | 5.55 | 7.50 | 0.0005 | 1841843 | 60.00 | 501.62 | 59.98 | 168.11 |
| A-01 | BASIN-S4 | 25YR_3DAY | 72.87 | 5.93 | 7.50 | 0.0006 | 2228859 | 60.00 | 633.40 | 59.92 | 181.80 |
| A-02 | BASIN-S4 | 100YR_3DAY | 73.88 | 6.34 | 7.50 | 0.0007 | 7187036 | 60.00 | 1154.95 | 102.13 | 16.32 |
| A-02 | BASIN-S4 | 10YR 3DAY | 72.44 | 5.55 | 7.50 | 0.0005 | 4302065 | 60.00 | 740.55 | 81.67 | 17.83 |
| A-02 | BASIN-S4 | 25YR_3DAY | 72.87 | 5.93 | 7.50 | 0.0006 | 6205782 | 60.00 | 916.67 | 90.45 | 17.93 |
| A-03 | BASIN-S4 | 100YR_3DAY | 72.31 | 6.31 | 7.50 | 0.0008 | 4382183 | 60.00 | 1271.36 | 60.38 | 38.11 |
| A-03 | BASIN-S4 | 10YR-3DAY | 72.28 | 5.44 | 7.50 | 0.0005 | $30735{ }^{\text {r }}$ | 60.00 | 814.29 | 60.66 | 30.65 |
| A-03 | BASIN-S4 | 25YR_3DAY | 72.30 | 5.86 | 7.50 | 0.0006 | $3570<$ | 60.00 | 1015.28 | 60.60 | 35.34 |
| A-04 | BASIN-S4 | 100YR_3DAY | 64.68 | 6.71 | 7.50 | 0.0021 | -978131 | 00 | 1329.08 | 61.32 | 49.76 |
| A-04 | BASIN-S4 | 10 YR -3DAY | 62.63 | 6.00 | 7.50 | 0.0021 | . 875825 | $6{ }^{\text {a }}$ ? | 861.96 | 61.22 | 56.86 |
| A-04 | BASIN-S4 | 25YR_3DAY | 64.18 | 6.35 | 7.50 | 0.0021 | 4009948 | 60. | 1064.87 | 61.22 | 53.92 |
| A-05 | BASIN-S4 | 100YR_3DAY | 72.24 | 6.38 | 7.50 | $0 . r 5$ | 63'. 8 | 60.00 | 173.16 |  |  |
| A-05 | BASIN-S4 | $10 Y \mathrm{R}$ _3DAY | 72.11 | 5.56 | 7.50 | 0.0 | \% 040 | 60.00 | +98.80 | 83.60 | 10.51 |
| A-05 | BASIN-S4 | 25YR_3DAY | 72.16 | 5.96 | 7.50 | 0.002 | +1113 | 60.00 | 128.59 | 60.08 | 12.92 |
| A-06 | BASIN-S4 | 100YR_3DAY | 73.88 | 6.34 | $7.5 r$ | 0.0007 | -8856 | 60.00 | 646.92 | 101.91 | 20.81 |
| A-06 | BASIN-S4 | $10 \mathrm{YR}{ }^{-3 \mathrm{BDAY}}$ | 72.44 | 5.55 | 7.1 | - 0005 | 2ᄂ 939 | 60.00 | 432.31 | 82.13 | 23.99 |
| A-06 | BASIN-S4 | 25YR_3DAY | 72.87 | 5.93 | 7.5 |  | 232, 4 | 60.00 | 537.27 | 90.98 | 23.05 |
| A-07 | BASIN-S4 | 100YR_3DAY | 72.23 | 6.31 | 7.50 | $0 . r+2$ | , 0859 | 60.00 | 741.02 | 60.15 | 138.80 |
| A-07 | BASIN-S4 | 10 YR -3DAY | 72.17 | 5.46 | 7.50 | $r .009$ | 872427 | 60.00 | 464.19 | 60.26 | 141.00 |
| A-07 | BASIN-S4 | 25YR_3DAY | 72.19 | $5.8{ }^{-}$ | 7.50 | . 0012 | 1335813 | 60.00 | 584.67 | 60.18 | 146.86 |
| A-08 | BASIN-S4 | 100YR_3DAY | 60.87 | 29 | . 50 | - 1463 | 1009937 | 60.00 | 288.63 | 0.00 | 88.76 |
| A-08 | BASIN-S4 | 10 YR -3DAY | 60.50 | $\bigcirc .13$ | 1.50 | - 463 | 464185 | 60.00 | 163.95 | 0.00 | 88.76 |
| A-08 | BASIN-S4 | $25 \mathrm{YR}{ }_{-}^{-3 \mathrm{DAY}}$ | 60.68 | $\bigcirc .36$ |  | -n. 1463 | 748780 | 60.00 | 217.72 | 0.00 | 88.76 |
| A-09 | BASIN-S4 | 100YR_3DAY | 72.30 | 6. | 7.50 | 0.0008 | 5216718 |  | 1464.81 |  |  |
| A-09 | BASIN-S4 | 10YR_3DAY | 72 | 5.4, | 7.50 | 0.0005 | 3782235 | 60.00 | 959.83 | 62.39 62.93 | 50.67 45.79 |
| A-09 | BASIN-S4 | 25 YR -3DAY | $\bigcirc \quad \angle 5$ | 5.87 | 7.50 | 0.0006 | 4389846 | 60.00 | 1192.27 | $61.99$ | 50.03 |
| A-10 | BASIN-S4 | 100YR_3DAY | 72.25 | ¢ 5 | 7.50 | 0.0009 | 967997 | 60.00 | 294.99 | 60.16 |  |
| A-10 | BASIN-S4 | 10YR-3DAY | 72.18 | 5. ${ }^{\text {a }}$ | 7.50 | 0.0005 | 500314 | 60.00 | 181.71 | 60.75 | 55.35 |
| A-10 | BASIN-S4 | 25YR_3DAY | . 21 | 5. | 7.50 | 0.0007 | 689754 | 60.00 | 229.99 | 60.62 | 63.26 |
| A-11 | BASIN-S4 | 100YR_3DAY | 73. | 19 | 7.50 | 0.0006 | 2741016 | 60.00 | 674.38 |  |  |
| A-11 | BASIN-S4 | 10YR-3DAY | 73.4 | J. 32 | 7.50 | 0.0004 | 2215146 | 60.00 | 424.13 | 75.39 | 23.36 |
| A-11 | BASIN-S4 | 25YR_3DAY | 73.50 | 5.74 | 7.50 | 0.0005 | 2433075 | 60.00 | 533.75 | 75.21 | 23.38 |
| A-12 | BASIN-S4 | 100YR 3DAY | 72.76 | 6.14 | 7.50 | -0.0761 | 592929 | 60.17 | 88.80 | 0.00 | 63.32 |
| A-12 | BASIN-S4 | 10YR-3DAY | 60.56 | 5.58 | 7.50 | -0.0761 | 241784 | 60.17 | 50.00 | 0.00 | 63.32 |
| A-12 | BASIN-S4 | 25YR_3DAY | 60.98 | 5.80 | 7.50 | -0.0761 | 409041 | 60.17 | 66.73 | 0.00 | 63.32 |
| A-13 | BASIN-S4 | 100YR_3DAY | 60.45 | 6.29 . | 7.50 | -0.2153 | 274738 | 60.00 | 120.24 | 0.00 |  |
| A-13 | BASIN-S4 | 10YR-3DAY | 60.17 | 5.64 | 7.50 | -0.2153 | 59937 | 60.00 | 67.87 | 0.00 | 103.63 |
| A-13 | BASIN-S4 | 25YR_3DAY | 60.27 | 5.99 | 7.50 | -0.2153 | 117730 | 60.00 | 90.45 | 0.00 | 103.63 |
| A-14 | BASIN-S4 | 100YR_3DAY | 72.60 | 6.13 | 7.50 | -0.1230 | 423414 | 60.08 | 67.66 | 0.00 | 75.39 |
| A-14 | BASIN-S4 | 10YR-3DAY | 72.58 | 5.26 | 7.50 | -0.1230 | 6554 | 60.08 | 38.65 | 0.00 | 75.39 |
| A-14 | BASIN-S4 | 25YR_3DAY | 72.66 | 5.68 | 7.50 | -0.1230 | 222812 | 60.08 | 51.16 | 0.00 | 75.39 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-4 MAX STAGE REPORT
TABLE II-D-7

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max $\begin{array}{r}\text { Surf } \\ \text { Area } \\ \text { ft2 }\end{array}$ | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A-15 | BASIN-S4 | 100YR_3DAY | 72.65 | 6.13 | 7.50 | 0.0007 | 13444911 | 60.00 | 3883.37 | 60.00 |  |
| A-15 | BASIN-S4 | 10 YR -3DAY | 72.63 | 5.26 | 7.50 | 0.0004 | 10684337 | 60.00 | 2545.23 | 60.00 | 75.17 |
| A-15 | BASIN-S4 | 25YR_3DAY | 72.71 | 5.68 | 7.50 | 0.0005 | 11879718 | 60.00 | 3136.62 | 60.00 | 76.72 |
| C-9 | BASIN-S4 | 100YR_3DAY | 0.00 | 3.50 | 7.50 | 0.0000 | 0 | 41.90 | 69.07 | 0.00 | 0.00 |
| C-9 | BASIN-S4 | 10YR-3DAY | 0.00 | 3.50 | 7.50 | 0.0000 | 0 | 55.05 | 69.07 | 0.00 | 0.00 |
| C-9 | BASIN-S4 | 25YR_3DAY | 0.00 | 3.50 | 7.50 | 0.0000 | 0 | 49.78 | 69.07 | 0.00 | 0.00 |
| CA-1 | BASIN-S4 | 100YR_3DAY | 72.67 | 6.05 | 8.50 | 0.0007 | 236 | 60.00 | 78.74 | 60.01 | 70.99 |
| CA-1 | BASIN-S4 | $10 \mathrm{YR}{ }^{-3} 3 \mathrm{AAY}$ | 72.64 | 5.18 | 8.50 | -0.0005 | $2^{2}{ }^{9}$ | 60.00 | 75.17 | 60.01 | 70.33 |
| CA-1 | BASIN-S4 | 25 YR -3DAY | 72.73 | 5.60 | 8.50 | 0.0005 | - 375 | $\bigcirc .00$ | 76.72 | 60.01 | 70.62 |
| MH-1 | BASIN-S4 | 100YR_3DAY | 72.27 | 6.33 | 6.00 | 0.0083 | 197 | 6 C | 59.34 | 60.19 | 57.84 |
| MH-1 | BASIN-S4 | 10YR-3DAY | 72.19 | 5.48 | 6.00 | 0.008 | 197 | 60. | 55.72 | 60.26 | 56.93 |
| MH-1 | BASIN-S4 | 25YR_3DAY | 72.22 | 5.90 | 6.00 | 0.08 | 197 | 60.15 | 59.84 | 60.19 | 60.99 |
| MH-2 | BASIN-S4 | 100YR_3DAY | 72.17 | 6.42 | 6.00 | -0.0L | 243 | 60.06 | 57.72 | 60.04 | 59.34 |
| MH-2 | BASIN-S4 | 10 YR 3DAY | 72.05 | 5.56 | 6.00 | -0.005. | 243 | 60.40 | 57.07 | 60.22 | 55.72 |
| MH-2 | BASIN-S4 | 25YR_3DAY | 72.11 | 5.99 | 6.00 | -0.0057 | 243 | 60.19 | 60.48 | 60.15 | 59.84 |
| MH-3 | BASIN-S4 | 100YR_3DAY | 72.56 | 6.13 | 6.1 | 1833 | ?21 | 0.00 | 166.95 |  |  |
| MH-3 | BASIN-S4 | 10 YR -3DAY | 72.18 | 5.26 | 6.01 |  | -1 | 0.00 | 166.95 | 0.00 | 101.30 |
| MH-3 | BASIN-S4 | 25YR_3DAY | 72.43 | 5.68 | 6.00 | $0.1 \%$ | 221 | 0.00 | 166.95 | 0.00 | 101.30 |
| PS | BASIN-S4 | 100YR_3DAY | 72.67 | 5.98 | 10.67 | r 0018 | 5417 | 60.01 | 70.99 | 41.90 |  |
| PS | BASIN-S4 | 10 YR -3DAY | 72.65 | 5.9 | 0.67 | . 0029 | 5417 | 60.01 | 70.33 | 55.05 | 69.07 |
| PS | BASIN-S4 | 25YR_3DAY | 72.73 |  | 1. 67 | . 0018 | 5417 | 60.01 | 70.62 | 49.78 | 69.07 |

## BASIN S-4

# 72-HOUR NODAL STAGE RF ${ }^{\text {PORT }}$ 

10-YEAR, 3-DA ${ }^{*}$ STORM<br>25-YEAR, 3-DA) ${ }^{\circ}$ ORM<br>100-YEAR, ヶ-^Y S. ORM

$\begin{array}{ll} & \text { SOUTH BROWARD DRAINAGE DISTRICT (SBDD) } \\ \text { BASIN S }-4 \quad 72 \text { HR NODAL STAGE REPORT FOR IO }\end{array}$
BASIN S-4 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface <br> Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total <br> Vol In af | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10YR 3DAY | A-01 | BASIN-S4 | 71.83 | 5.54 | 7.50 | 1837371 | 10.76 | 10.53 | 79.1 | 22.0 |
| 10YR-3DAY | A-02 | BASIN-S4 | 71.83 | 5.54 | 7.50 | 4280066 | 26.53 | 0.00 | 129.2 | -7.2 |
| 10YR-3DAY | A-03 | BASIN-S4 | 71.83 | 5.44 | 7.50 | 3070091 | 34.94 | 24.21 | 209.9 | 41.7 |
| 10YR_3DAY | A-04 | BASIN-S4 | 71.83 | 5.78 | 7.50 | 2160620 | 19.03 | 35.18 | 160.1 | 100.8 |
| 10YR-3DAY | A-05 | BASIN-S4 | 71.83 | 5.56 | 7.50 | 301498 | -3.81 | -4.40 | -12.6 | -6.6 |
| 10YR-3DAY | A-06 | BASIN-S4 | 71.83 | 5.54 | 7.50 | 2013436 | 9.31 | 8.03 | 61.3 | -20.4 |
| 10 YR -3DAY | A-07 | BASIN-S4 | 71.83 | 5.45 | 7.50 | 869642 | 10.06 | 7.42 | 75.3 | - 45.9 |
| 10YR-3DAY | A-08 | BASIN-S4 | 71.83 | 5.26 | 7.50 | 3910 | 3.98 | 3.96 | 23.9 | 29.8 |
| 10YR-3DAY | A-09 | BASIN-S4 | 71.83 | 5.45 | 7.50 | 3778550 | 51.96 | 40.42 | 248.9 | 58.8 |
| 10 YR -3DAY | A-10 | BASIN-S4 | 71.83 | 5.39 | 7.50 | 499007 | 44.9 | 43.08 | 92.5 | 73.8 |
| 10YR 3DAY | A-11 | BASIN-S4 | 71.83 | 5.31 | 7.50 | 2210654 | 37 , | 22.40 | 104.6 | 18.6 |
| 10 YR 3DAY | A-12 | BASIN-S4 | 71.83 | 5.26 | 7.50 | 9850 | . 66 | 3.95 | 9.8 | -6.2 |
| 10YR_3DAY | A-13 | BASIN-S4 | 71.83 | 5.26 | 7.50 | 1805 | 1.67 | 52 | 9.8 | -22.1 |
| 10YR-3DAY | A-14 | BASIN-S4 | 71.83 | 5.26 | 7.50 | 3629 | 1.24 | ? | 7.6 | -22.1 2.6 |
| 10YR-3DAY | A-15 | BASIN-S4 | 71.83 | 5.26 | 7.50 | 1066670. | 113.43 | 69. | 558.5 | 87.3 |
| 10 YR -3DAY | C-9 | BASIN-S4 | 71.83 | 3.50 | 7.50 | 1066670. | 69.07 | 0.00 | 50.1 | 87.3 0.0 |
| 10YR-3DAY | CA-1 | BASIN-S4 | 71.83 | 5.18 | 8.50 | $2^{\sim}$ - | 6 c .0 | 69.10 | 87.3 | 116.3 |
| 10YR 3DAY | $\mathrm{MH}_{\mathrm{MH}-1}$ | BASIN-S4 | 71.83 | 5.48 | 6.00 |  | . 78 | 30.78 | -31.6 | 140.0 |
| 10YR 3DAY | MH-2 | BASIN-S4 | 71.83 | 5.56 | 6.00 | 24. | د0.78 | 30.78 | 94.2 | -31.6 |
| 10YR 10 YDAY 10 | MH-3 PS | BASIN-S4 | 71.83 | 5.26 | 6.00 | 221 | 10.47 | -4.15 | -28.3 | 63.1 |
| 10YR_3DAY |  | BASIN-S4 | 71.83 | 5.11 | 10.67 | 5417 | $\bigcirc 9.10$ | 69.07 | 116.3 | 90.1 |



| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Total Outflow cfs | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25YR_3DAY | A-01 | BASIN-S4 | 71.83 | 5.93 | 7.50 | 2222054 | 13.40 | 11.12 | 101.9 | 24.8 |
| 25YR-3DAY | A-02 | BASIN-S4 | 71.83 | 5.93 | 7.50 | 6172307 | 31.39 | 0.00 | 166.1 | -13.8 |
| 25YR_3DAY | A-03 | BASIN-S4 | 71.83 | 5.86 | 7.50 | 3564725 | 38.13 | 24.33 | 246.0 | 49.3 |
| 25YR-3DAY | A-04 | BASIN-S4 | 71.83 | 6.25 | 7.50 | 3676003 | 23.42 | 38.95 | 200.1 | 105.6 |
| 25YR-3DAY | A-05 | BASIN-S4 | 71.83 | 5.96 | 7.50 | 440209 | -7.43 | -8.69 | -11.9 | -11.8 |
| 25 YR -3DAY | A-06 | BASIN-S4 | 71.83 | 5.93 | 7.50 | 2314975 | 11.59 | 1.11 | 74.5 | -26.7 |
| 25 YR -3DAY | A-07 | BASIN-S4 | 71.83 | 5.87 | 7.50 | 1332210 | 12.51 | 8.14 | 96.6 | 56.7 |
| 25 YR -3DAY | A-08 | BASIN-S4 | 71.83 | 5.68 | 7.50 | 159389 | 5.11 | 4.29 | 32.5 | 36.5 |
| 25 YR -3DAY | A-09 | BASIN-S4 | 71.83 | 5.87 | 7.50 | 4384408 | 54.5 ? | 40.02 | 294.8 | 68.3 |
| 25 YR -3DAY | A-10 | BASIN-S4 | 71.83 | 5.80 | 7.50 | 687883 | 45. | 42.91 | 111.5 | 87.2 |
| 25 YR -3DAY | A-11 | BASIN-S4 | 71.83 | 5.73 | 7.50 | 2428014 | $3^{5} .2$ | 22.55 | 130.5 | 22.3 |
| 25 YR - 3 DAY | A-12 | BASIN-S4 | 71.83 | 5.68 | 7.50 | 314021 | . 13 | 3.42 | 13.3 | -3.3 |
| 25YR-3DAY | A-13 | BASIN-S4 | 71.83 | 5.68 | 7.50 | 66257 | 2.14 | 73 | 13.4 | -18.7 |
| 25 YR -3DAY | A-14 | BASIN-S4 | 71.83 | 5.67 | 7.50 | 219086 | 1.59 | $\checkmark 5$ | 10.2 | 4.8 |
| 25 YR -3DAY | A-15 | BASIN-S4 | 71.83 | 5.67 | 7.50 | 1185964 r | 122.68 | 69. | 686.8 | 111.4 |
| 25 YR -3DAY | C-9 | BASIN-S4 | 71.83 | 3.50 | 7.50 |  | 6977 | 0.00 | 111.4 | 0.0 |
| 25 YR 3DAY | CA-1 | BASIN-S4 | 71.83 | 5.59 | 8.50 | 2.2 | $6^{\prime}-2$ | 69.10 | 111.4 | 134.6 |
| 25 YR -3DAY | MH-1 | BASIN-S4 | 71.83 | 5.89 | 6.00 | + | . 26 | 30.26 | -18.9 | 140.4 |
| 25YR-3DAY | MH-2 | BASIN-S4 | 71.83 | 5.99 | 6.00 | 24. | 30.26 | 30.26 | 93.8 | -18.9 |
| $25 \mathrm{YR}-3 \mathrm{DAY}$ | MH-3 | BASIN-S4 | 71.83 | 5.67 | 6.00 | 221 | 10.15 | -5.70 | -22.0 | 66.3 |
| 25YR_3DAY | PS | BASIN-S4 | 71.83 | 5.52 | $10.6{ }^{-}$ | 5417 | -9.10 | 69.07 | 134.6 | 111.4 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-4 72 HR NODAL STAGE REPORT FOR 100 YR 3 DAY STORM TABLE II-D-8

| Simulation | Node | Group | Time <br> hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{gathered} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{gathered}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100YR_3DAY | A-01 | BASIN-S4 | 71.83 | 6.33 | 7.50 | 2627081 | 16.82 | 0.00 | 132.1 | 32.8 |
| 100YR_3DAY | A-02 | BASIN-S4 | 71.83 | 6.33 | 7.50 | 7168119 | 25.83 | -8.46 | 220.0 | -22.6 |
| 100 YR -3DAY | A-03 | BASIN-S4 | 71.83 | 6.30 | 7.50 | 4372524 | 41.05 | 23.43 | 287.6 | 60.5 |
| 100 YR -3DAY | A-04 | BASIN-S4 | 71.83 | 6.68 | 7.50 | 4900687 | 29.13 | 38.98 | 252.5 | 110.9 |
| 100YR-3DAY | A-05 | BASIN-S4 | 71.83 | 6.37 | 7.50 | 632418 | -8.43 | -10.78 | -7.7 | -16.5 |
| 100 YR -3DAY | A-06 | BASIN-S4 | 71.83 | 6.33 | 7.50 | 2747761 | 6.07 | -4.23 | 91.8 | -33.1 |
| 100 YR -3DAY | A-07 | BASIN-S4 | 71.83 | 6.30 | 7.50 | 2024003 | 15.69 | 8.30 | 124.7 | 68.4 |
| 100YR-3DAY | A-08 | BASIN-S4 | 71.83 | 6.13 | 7.50 | 461111 | 6.58 | 4.14 | 44.2 | 44.6 |
| 100YR_3DAY | A-09 | BASIN-S4 | 71.83 | 6.30 | 7.50 | 5208003 | 56.90 | 37.70 | 348.9 | 82.1 |
| 100YR_3DAY | A-10 | BASIN-S4 | 71.83 | 6.24 | 7.50 | 964705 | 44. | 40.67 | 138.0 | 105.3 |
| $100 \mathrm{YR}-3 \mathrm{DAY}$ | A-11 | BASIN-S4 | 71.83 | 6.18 | 7.50 | 2733068 | 3 r 8 | 22.23 | 166.0 | 31.1 |
| 100YR_3DAY | A-12 | BASIN-S4 | 71.83 | 6.13 | 7.50 | 590257 | . 75 | ?. 53 | 18.2 | -2.4 |
| 100YR_3DAY | A-13 | BASIN-S4 | 71.83 | 6.13 | 7.50 | 190001 | 2.76 | 75 | 18.3 | -13.6 |
| 100 YR -3DAY | A-14 | BASIN-S4 | 71.83 | 6.13 | 7.50 | 421958 | 2.04 | - ${ }^{\text {, }}$ | 13.8 | 6.1 |
| 100 YR -3DAY | A-15 | BASIN-S4 | 71.83 | 6.13 | 7.50 | 1341213 | 132.74 | 69.2 | 855.3 | 151.1 |
| $100 \mathrm{YR}=3 \mathrm{DAY}$ | C-9 | BASIN-S4 | 71.83 | 3.50 | 7.50 |  | 6977 | 0.00 | 149.5 | 0.0 |
| 100 YR -3DAY | CA-1 | BASIN-S4 | 71.83 | 6.05 | 8.50 | 2: 4 | 6 6 3 | 69.10 | 151.1 | 169.2 |
| $100 \mathrm{YR}=3 \mathrm{DAY}$ | MH-1 | BASIN-S4 | 71.83 | 6.33 | 6.00 | 1 | . 20 | 28.20 | 9.8 | 132.3 |
| 100YR 3DAY | MH-2 | BASIN-S4 | 71.83 | 6.41 | 6.00 | 24. | $\angle 8.20$ | 28.20 | 94.4 | 9.8 |
| 100 YR -3DAY | MH-3 | BASIN-S4 | 71.83 | 6.12 | 6.00 | 221 | 9.28 | -6.89 | -16.0 | 67.4 |
| 100YR_3DAY | PS | BASIN-S4 | 71.83 | 5.98 | 10.6 | 5417 | -9.10 | 69.07 | 169.2 | 149.5 |

## SOUTH BROWARD DRAINAGE DISTRICT


BASIN S-5


## DESCRIPTION

Basin S-5 is located in the southwest quadrant of the District and is the District's largest drainage basin. This basin encompasses a 12.25 square mile area, and is bordered on the north by Pines Boulevard, the east by SW $172^{\text {nd }}$ Avenue, the west by US 27, and the south by the SFWMD C-9 Canal (Miami-Dade County/Broward County line). The water management system for the basin consists of a series of interconnected lakes, culverts and canals. The direction of flow in the basin is from the northwest to the southeast. Discharge from the basin into the SFWMD C-9 Canal is controlled through the S-5 pump station with a permitted discharge rate of 180 cfs .

The Basin S-5 boundaries and existing facilities are shown in Figure II-E-1 and Table II-E-1 provides a summary of the basin characteristics..

The vast majority of Basin S-5 has been develop i i the majority of the water management system for the basin is in place and operatio. 1. Basin S-5 has differing Control Water Elevations which are controller hrough a st. 's of control structures located throughout the basin. Figure II- 2 df acts the different Control Water Elevations for the basin.
 of this basin, reserving the land for envir 1 mf . cas id conservation purposes. This area includes the southwest quadrar Sectic 15, the east half of Sections 22, 27 and 37, and all of Sections 26 and 35 . Tow ship 5 South, Range 39 East.

Basin S-5 may be impacted r , he proposed Broward County Water Preserve Area (BCWPA) project (see : san. Future Projects section). This is a joint project by SFWMD and the $U^{r}$ Army $C_{c}$ js o. Engineers (COE) that meets the planning goals set forth in the Comp hensive verglades Restoration Plan (CERP) and includes the construction of the $C^{1} 1$ ar. C-9 above-ground impoundment areas; a 4,553-acre seepage management art ast of Water Conservation Area 3A; and canal conveyance improvements to the SBDD Canal No. 9. The C-9 Impoundment Area, located within the S-5 Basin is an above ground impoundment area with an effective interior storage of 1,641 acres. Additional information on this project, including the Executive Summary from the Final Integrated BCWPA Project Implementation Report (PIR) and Environmental Impact Statement (EIS) can be found at:

## http://www.evergladesplan.org/pm/projects/docs_45_broward_wpa_final_pir.aspx

It is SBDD's intention to work with both SFWMD and the COE on the design elements of this project to ensure that there are no adverse impacts to the District.

Since 2005, the following improvements have been completed within the S-5 Basin:

- Upgrades to the control systems for the S-5 pump station.
- Installation of revetment stabilization at miscellaneous lake interconnects.
- Miscellaneous lake bank restorations following Hurricane Wilma.
- Miscellaneous culvert cleanings.

The following new developments have been completed:

* Sunset Falls, Montessori Academy, Franklin Academy, and City of Pembroke Pines SW 196th Avenue Soccer Park.

The following infrastructure improvements are proposed for the S-5 Basin:

- Continued hardening of lake banks and headwalls at critical lake interconnect locations.
- Installation of boat ramps for improved access by SBDD maintenance crews.
- Miscellaneous culvert repairs/replacements.


## METHODOLOGY

Basin S-5 is comprised of three sub-basins, each wi+ ${ }^{+}$₹ different control elevation as shown in Figure II-E-2. The three sub-basins are pá of a ascading water management system comprised of interconnected lakes, culver and cana. This series of cascading lake systems allows for the gravity flow of $s^{\wedge}$ rmwa+er from we northwest portion of Basin S-5 to the southeast portion of the bası. $w^{\downarrow}$ re the S-5 pump station is located. Water quality requirements and discharge rates $1 . \mathrm{m}$ the basin are regulated by SFWMD Permit \# 06-01401-S with a permitted $\quad$ arge ra. of 180 cfs . The S-5 pump station shares a pump house with the S-4 pu 1 p s n located north of the SFWMD C-9 Canal, west of SW $172^{\text {nd }}$ Avenue ${ }^{\text {i- }}$ 'he Cit. Miramar.

Since the last Facilities $R$,ort $u$ date, ere has been a limited amount of new development within the S-5 b. in Alrmu all of the water management areas that serves the basin are in place - nera nal. The AdICPR model for this basin was updated to modify culvert links .rop str , turc and weirs, and to adjust the rainfall data.

Figure II-E-1 depicts he exist 1 g facilities in Basin S-5 and Table II-E-2 provides the existing culvert scheduı ${ }^{\text {c }}$ r ${ }^{+}$+ e basin. Figures II-E-3, II-E-4, II-E-5, and II-E-6 show the existing flood gates, contr . structures, staff gauges, and fish guards within basin S-5, respectively, with corresponding Schedule Tables II-E-3, II-E-4, II-E-5 and II-E-6.

## MODEL ANALYSIS

Like Basin S-4, Basin S-5 is comprised primarily of a series of lakes with interconnecting culverts with an ultimate culvert connection to the $\mathrm{S}-5 \mathrm{pump}$ station. Based on the AdICPR model results, all properties within Basins S-5 meet the District's adopted Level of Service.

Figure II-E-7 shows the overall AdICPR nodal diagram for Basins S-5 and Tables II-E-7 and II-E-8 list the AdICPR output data for maximum stages and 72 -hour stages at each node within the basin.

## SUMMARY \& RECOMMENDATIONS

The AdICPR model analysis performed for Basin S-5 indicates that the required Level of Service is being met in this basin. The results are consistent with the abundance of lake storage area within the basin. The cascading system of lakes effectively utilizes the basin's storage without exceeding permitted flood stages at any single location.

The following recommendations are proposed in order to improve the performance of the water management system in Basin S-5:

- Installation of an automated control gate at the basin divide between Basin S-5 and Basin S-9 at Pines Boulevard. This will provide the District more flexibility in operating and managing the overall water management system between the S-9 Basin and the S-5 Basin, especially during extreme rainfall events. There currently exists a 72" diameter interconnect with a manually operated sluice gate.
- Replacement of the existing control structures withir each sub-basin of Basin S-5 with adjustable sluice gates. This will provide ne District more flexibility in operating and managing the overall water man , nent system for the S-5 Basin for peak storm events and pre-storm drawdow .s.

TABLE II-E-1


## BASIN S-5



## Legend



TABLE II-E-2

| BASIN S-5 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Sive | Material | Shape | Length | General Comments |
| 5-1 | Silver Lakes - Outfall to Silver Falls | sw 182nd Ave. \& SW | 72 | RCP | CIRC. | 308 |  |
| 5-2 | Silver Lakes | sw 1800h Ave. \& Miramar Pkwy. | 72 | RCP | CIRC. | 196 |  |
| 5-3 | Silver Lakes | SW 180th Ave \& Pembroke Rd. | 72 | RCP | CIRC. | 159 |  |
| 5-4 | Silver Lakes | SW 178gh Ave. \& Sw 13th St. | 72 | RCP | CIRC. | 235 |  |
| 5-5 | Silver Lakes | SW 182nd Ave. \& SW 8th St. | 72 | RCP | CIRC. | 207 |  |
| 5 5-6 | Silver Lakes | sW 178/h Ave. \& SW 4th St. |  | RCP | CIRC. | 201 |  |
| 5-7 | Silver Lakes | SW 178.h Ave. \& SW 2nd St. |  | RCP | CIRC. | 192 |  |
| $5-8.1$ | SBDD Canal 8 \& C-9 Canal | SBDD Canal 8 \& C-9 Canal | 48 | СмP | CIRC. | 40 | Control Structure |
| $5-8.2$ | SBDD Canal 8 \& C-9 Canal | SBDD Canal 8 \& C-9 Canal | 48 | СмP | CIRC. | 40 | Control Structure |
| 5.9 .1 | ${ }^{\text {s-5 Pump Station }}$ | 5500 SW 172nd Ave. | -36 | DIP | CIRC. | 118 | 40K GPM, Pump \#1 |
| 5 5-9.2 | s-5 Pump Staion | 5500 SW 172nd Ave. | 36 | DIP | CIRC. | 118 | 40K GPM, Pump \#2 |
| 5.9 .3 | s-5 Pump Station | 5500 SW 172nd Ave. | 36 | DIP | CIRC. | 118 | 40K GPM, Pump \#3 |
| $5-9.4$ | s-5 Pump Station | 5500 SW 172nd Ave. | 48 | RCP | CIRC. | 118 | Free Flow Tube |
| $5-10$ | Silver Lakes | SW 173rd Ave. \& Miramar Pkwy. | 48 | RCP | CIRC. | 186 |  |
| 5 5-11 | Sunse Lakes - Oufall | SW 184th Ave \& (S) of Mire - | 60 | RCP | CIRC. | 206 | Control Stucture |
| 5 5-12 | Sunset Lakes | SW 185th Ave \& SW 30 ${ }^{\text {at. }}$ | 60 | RCP | ${ }_{\text {CIRC. }}$ | 155 |  |
| $5-13$ | Sunset Lakes | SW 192nd Ave \& SW. ${ }^{\text {St. }}$ | 48 | RCP | CIRC. | 344 |  |
| $5-14$ | Sunset Lakes | sw 190th Ave. \& Miramar . | 48 | RCP | CIRC. | 273 |  |
| 5.15 | Sunset Lakes |  | 48 | RCP | CIRC. | 321 |  |
| $5-16$ | Sunset Lakes | sw $19{ }^{\circ}$ Ave. \& SW 40. | 48 | RCP | CIRC. | 170 |  |
| 5 5-17 | Sunset Lakes | sw 186th \& $\mathrm{SW}^{\text {477h }}$ | $48 \& 38 \times 60$ | RCP | varies | 321 |  |
| $5-18$ | Sunset Lakes |  | 48 | RCP | CIRC. | 331 |  |
| 5 522 | Encantada | sw 196ih Ave \& \& s .oth St. | 60 | RCP | CIRC. | 155 |  |
| 5-23.1 | Encantada | sw 193 rd Ave \& SW 15th St. | 48 | ${ }_{\text {RCP }}$ | CIRC. | 152 |  |
| 5-23.2 | Encantada | sw 193 rd Ave \& SW 15th St. | 48 | RCP | CIRC. | 52 |  |
| $5-24$ | Encantada | sw 190 th Ave \& SW 14 th St. | 48 | CP | CIRC. | 60 |  |
| 5-25 | Encantada | SW 191st Ave. \& SW 8th St. | 48 | RCP | CIRC. | 316 |  |
| $5-26$ | Encantada | sw 188ih Ave. \& SW 14 th St. | 60 | RCP \& CMP | CIRC. | 207 |  |
| 5 5-27 | Encantada | Encantada - Guard Gate | 48 | RCP | CIRC. | 219 |  |
| $5-28$ | Encantada | sW 185th Ave \& SW 13th St. | 72 | RCP | CIRC. | 00 |  |
| 5-29 | Encantada | sw 184 th Ave \& SW 14 th St. | 72 | ${ }_{\text {RCP }}$ | CIRC. | 199 | Contro Structure |
| 5-30 | Estancia | SW 196h Ave. \& SW 6th St. | 48 | RCP | CIRC. | 148 |  |

TABLE II-E-2

| BASIN S-5 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| 5-31 | Estancia | SW 195th Ave. \& SW 5th St. | 48 | RCP \& CAP | CIRC. | 337 |  |
| 5-32 | Estancia | SW 186th Ave. \& SW 3rd St. | 48 | RCP | CIRC. | 177 |  |
| 5-33 | Estancia | Estancia - (S) of Guard Gate on SW 186th Ave. | 48 | RCP | CIRC. | 197 |  |
| 5-34 | Estancia | Estancia - (N) of Guard Gate on SW 186th Ave. | 48 | RCP | CIRC. | 85 |  |
| 5-35 | Franklin Academy / Estancia | SW 188th Ave. \& SW 3rd St. | 48 | RCP | CIRC. | 190 |  |
| 5-37 | Alhambra - Outfall | SW 200th Ter. \& SW 7th Pl. | , | RCP \& CAP | CIRC. | 311 |  |
| 5-41 | Walden Lake - Outfall | SW 203rd Ave. \& SW 5th St. | +8 ${ }^{\text {c }}$ | RCP | CIRC. | 693 |  |
| 5-42 | Walden Lake | SW 205th Ave. \& SW 2nd St. | 15 | CAP | CIRC. | 30 | Control Structure |
| 5-43 | Walden Lake | SW 204th Ave. \& SW 2nd St. | 15 | CAP | CIRC. | 30 | Control Structure |
| 5-45 | Reuter Recycling Plant | SW 208th Ave. \& SW 9th St. @ C-8 | 48 | RCP | CIRC. | 558 |  |
| 5-46 | 208th Ave. \& Pembroke Rd. | SW 208th Ave. \& Pembroke Rd. | 72 | CMP | CIRC. | 72 |  |
| 5-48 | S-5 Pump Station | S-5 Pump Station Inflow | 96 | RCP | CIRC. | 170 |  |
| 5-49 | Harbour Lake Estates / Silver Lakes | SW 184th Ave. \& SW 21st St. | 60 | RCP | CIRC. | 1013 | Control Structure |
| 5-50 | Harbour Lake Estates / Encantada | SW 192nd Ave. \& SW 17th Ct. | 48 | RCP | CIRC. | 465 | Control Structure |
| 5-51 | Harbour Lake Estates / Capaletti Lakes | SW 195th Ave. \& SW 22nd S | 60 | RCP | CIRC. | 770 | Control Structure |
| 5-52 | Capaletti / Zwerner Lakes - Land Weir | Capaletti / Zwerner Lake Land We | LAND WEIR |  |  |  | Control Structure |
| 5-53 | Sunset Lakes | SW 186th Ave. \& Mira. Pkwy | 48 | RCP | CIRC. | 290 |  |
| 5-54 | Sunset Falls / Radio Mambi | 17654 SW 47th St | 48 | RCP \& CAP | CIRC. | 391 |  |
| 5-55 | COPP Soccer Park | 350 SW 19r Ave. | 48 | RCP | CIRC. | 101 | Control Structure |
| 5-56 | Silver Lakes | SW $17^{\circ}$ Ave. \& (S) of S $\backslash$ '8th St. | BRIDGE |  |  | 0 |  |
| 5-57 | Silver Lakes - Island Park (N) | (E) of SW -h Ave. \& (S) SW 28th St. | BRIDGE |  |  | 0 |  |
| 5-58 | Silver Lakes - Island Park (S) | (E) of SW 178u ve. \& of SW 28th St. | BRIDGE |  |  | 0 |  |
| 5-59 | S-4 / S-5 Pump Station - Inflow Bays | 5500 SW 172nd Av. | $60 \times 36$ |  | RECT. | 2 | Flood Gate |
| 5-60 | SFWMD C-9 Impoundment Area | C-9 Canal \& SW 202nd Ave. | 48 | CMP | CIRC. | 78 | Control Structure |



SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-5 CONTROL WATER ELEVATION MAP


BASIN S-5

S.F.W.M.D CANAL C-9 (SNAKE CREEK CANAL)

SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-5 FLOOD GATE MAP

## Legend

- Flood Gate
$\sim \sim$ SFWMD Canal
- SBDD Pump Station

5 Water Bodies


4,000
6,000

TABLE II-E-3
BASIN S-5 FLOOD GATE SCHEDULE

ID

## BASIN S-5



Calini, Cioictano \& Associales, hne
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-5 CONTROL STRUCTURES MAP

## Legend

$\triangle$ Control Structures
$\sim \sim$ SFWMD Canal

- SBDD Pump Station

5 Water Bodies


4,000
6,000


FIGURE II-E-4

## TABLE II-E-4

## BASIN S-5 CONTROL STRUCTURE SCHEDULE

| ID | Subdivision | Location | General Comments |
| :---: | :---: | :---: | :---: |
| 5-8 | SBDD Canal 8 | South End of Canal 8 \& SFWMD C-9 |  |
| 5-11 | Sunset Lakes | SW 184th Ave. \& (S) of Miramar Pkwy. | Flashboard Riser |
| 5-29 | Encantada | SW 184th Ave \& (N) of SW 14th St. | Weir w/ V-Notch Bleeder @ 4.25 NGVD |
| 5-42 | Walden Lake | Behind 192 SW 204th Ave. | Flashboard Riser |
| 5-43 | Walden Lake | Behind 20512 SW 1st St. | Flashboard Riser |
| 5-49 | Harbour Lake Estates / Silver Lakes | SW 184th Ave \& SW 21st St. | Aluminum Weir w/ 21" x 26" Notch @ 4.42 NGVD |
| 5-50 | Harbour Lake Estates / Encantada | 19168 SW 17th Ct. | Aluminum Weir 96" W @ 4.23 NGVD |
| 5-51 | Harbour Lake Estates / Capaletti Lakes | 2216 SW 195th Ave. | Aluminum Weir 96" W @ 4.21 NGVD |
| 5-55 | COPP Soccer Park | 350 SW 196th Ave. | r-Flow Structure |
| 5-52 | Capaletti / Zwerner Lakes - Land Weir | Capaletti / Zwerner Lakes - Land ${ }^{\text {' }}$ | Ground Weir |
| 5-60 | SFWMD C-9 Impoundment Area | C-9 Canal \& SW 202nd Ave. | Flashboard Riser |

## BASIN S-5



Calvin, Giordane $\mathcal{A}$ Associates, Inc.
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-5 STAFF GAUGE MAP


TABLE II-E-5
BASIN S-5 STAFF GAUGE SCHEDULE

| Subdivision Location |  |  |  |
| :--- | :--- | :--- | :--- |
| 33 | S-5 Pump Station Upstream | 5500 SW 172nd Ave. |  |
| 35 | Encantada | SW 184th Ave. \& (N) of SW 14th St. by Weir |  |
| 36 | Sunset Lakes | SW 184th Ave. \& (S) of Miramar Pkwy. by Weir |  |
| 37 | SBDD Canal 7 | SW 196th Ave. \& (S) of Pines Blvd. |  |
| 38 | Estancia | SW 196th Ave. \& (S) of Pines Blvd. by Weir | Water Level Recorder |
| 39 | Walden Lake | SW 204th Ave. \& SW 2nd St. |  |
| 41 | SBDD Canal 8 | SW 208th Ave. \& (S) of Pines Blvd. |  |
| 42 | SFWMD C-9 Impoundment Area | SBDD Canal 8 (N) of Weir |  |
| 43 | SFWMD C-9 Impoundment Area | SBDD Canal 8 (S) of Weir |  |
| 80 | Sunset Lakes | Sunrise Ave. \& (S) of Miramar Pkwy. |  |
| 82 | Silver Lakes Flood Gate | (E) of NW 178th Ave. \& Pines Blvd. | Water Level Recorder |

## BASIN S-5


S.F.W.M.D CANAL C-9 (SNAKE CREEK CANAL)

Calvin, Giordano EAssociates, Inc.
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-5 FISH GUARD MAP


BASIN S-5 FISH GUARD SCHEDULE
Location

| $5-5$ | Silver Lakes | SW 182nd Ave. \& SW 9th St. |
| :--- | :--- | :--- |
| $5-11$ | Sunset Lakes | SW 184th Ave. \& (S) of Miramar Pkwy. |
| $5-29$ | Encantada | SW 184th Ave. \& (N) of SW 14th St. |
| $5-35$ | Franklin Academy | SW 188th Ave \& SW 3rd St |
| $5-49$ | Harbor Lakes | SW 185th Ave. \& SW 21st St. |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |



## BASIN 5 NODAL DIAGRAM

## BASIN S-5

# BASIN MAXIMUM STAGE REPORT 

10-YEAR, 3-DAY ST $J R_{L_{*}}{ }^{\text {' }}$ 25-YEAR, 3-DAV $\mathbf{s}$ TORM<br>100-YEAR, 3-DA ${ }^{\top}$ © ORM

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-5 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \text { ft } \end{gathered}$ | Warning Stage ft | Max Delta <br> Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| C71 | BASIN-S5 | 100YR_3DAY | 77.90 | 6.60 | 8.00 | 0.0000 | 304971 | 77.72 | 19.01 | 79.18 |  |  |
| C71 | BASIN-S5 | 10 YR -3DAY | 74.83 | 5.90 | 8.00 | 0.0000 | 304971 | 74.73 | 17.79 | 76.42 | 18.93 |  |
| C71 | BASIN-S5 | 25YR_3DAY | 76.12 | 6.19 | 8.00 | 0.0000 | 304971 | 76.16 | 18.25 | 77.60 | 18.27 |  |
| C72 | BASIN-S5 | 100YR_3DAY | 73.11 | 6.33 | 8.00 | 0.0987 | 30696 | 0.00 | 0.00 |  |  |  |
| C72 | BASIN-S5 | 10YR 3DAY | 72.61 | 5.68 | 8.00 | 0.0987 | 30566 | 0.00 | 0.00 | 72.63 | 3109.67 2584.76 | , |
| C72 | BASIN-S5 | 25YR_3DAY | 72.78 | 5.95 | 8.00 | 0.0987 | 30620 | 0.00 | 0.00 | 72.79 | 2793.83 |  |
| C81 | BASIN-S5 | 100YR_3DAY | 72.34 | 6.68 | 8.00 | 0.0000 | 2941* | 60.72 | 66.01 |  |  |  |
| C81 | BASIN-S5 | 10 YR -3DAY | 107.54 | 5.89 | 8.00 | 0.0000 | $290 \leqslant$ | 60.05 | 66.55 | 63.38 | 52.07 44.75 |  |
| C81 | BASIN-S5 | 25 YR _ 3 DAY | 72.15 | 6.22 | 8.00 | 0.0000 | 2. +12 | $\bigcirc .01$ | 66.50 | 62.81 | 47.73 |  |
| C82 | BASIN-S5 | 100YR_3DAY | 72.79 | 6.67 | 8.00 | 0.0000 | 140031 | 6.1 | 52.07 | 63.59 |  |  |
| C82 | BASIN-S5 | 10YR 3DAY | 108.76 | 5.88 | 8.00 | 0.0000 | 139638 | 62. | 44.75 | 63.59 62.79 | $\begin{aligned} & 48.89 \\ & 41.07 \end{aligned}$ |  |
| C82 | BASIN-S5 | 25YR_3DAY | 72.16 | 6.22 | 8.00 | $0.00{ }^{\text {r }}$ | 139805 | 62.81 | 47.73 | 63.17 | $\begin{aligned} & 41.07 \\ & 44.38 \end{aligned}$ |  |
| C9 | BASIN-S5 | 100YR_3DAY | 0.00 | 3.00 | 8.00 | 0.0 L | 0 | 46.38 | 178.00 |  |  |  |
| C9 | BASIN-S5 | 10 YR -3DAY | 0.00 | 3.00 | 8.00 | 0.0002 | 0 | 57.23 | 178.00 | 0.00 | 0.00 |  |
| C9 | BASIN-S5 | 25YR_3DAY | 0.00 | 3.00 | 8.00 | 0.0000 | 0 | 59.96 | 178.00 | 0.00 | 0.00 0.00 |  |
| CH1 | BASIN-S5 | 100YR_3DAY | 62.78 | 8.30 | 8.1 | - 0001 | 1し 92 | 60.00 | 451.68 |  |  |  |
| CH1 | BASIN-S5 | 10 YR -3DAY | 62.11 | 7.01 | 8.01 |  | 77.5 | 60.00 | 281.58 | 61.42 | 979.53 |  |
| CH 1 | BASIN-S5 | 25YR_3DAY | 62.41 | 7.55 | 8.00 | 0.00 | 905922 | 60.00 | 349.36 | 61.42 61.63 | 79.53 85.65 |  |
| CLI | BASIN-S5 | 100YR_3DAY | 105.20 | 6.52 | 8.00 | $\bigcirc 000$ | 9953428 | 60.00 | 1589.44 | 120.00 |  |  |
| CL1 | BASIN-S5 | 10 YR -3DAY | 106.69 | 5.8 r | 8.00 | . 0000 | 8881062 | 60.00 | 1037.11 | 120.00 | 10.36 7.24 |  |
| CL1 | BASIN-S5 | 25 YR _3DAY | 106.35 | 6 | . 00 | . 0000 | 9328635 | 60.00 | 1258.52 | 120.00 | 7.24 8.59 |  |
| CL2 | BASIN-S5 | 100YR_3DAY | 72.82 | J. 67 | 3.00 | C 000 | 4400577 | 60.00 |  |  |  |  |
| CL2 | BASIN-S5 | 10 YR -3DAY | 108.82 | - 88 | J.00 | n. 0000 | 3455300 | 60.00 | 387.79 | 64.82 65.41 | 31.80 24.90 |  |
| CL2 | BASIN-S5 | 25 YR -3DAY | 72.16 | '2 | 8.00 | 0.0000 | 3862974 | 60.00 | 471.11 | 65.41 65.15 | 24.90 28.49 |  |
| CL3 | BASIN-S5 | 100YR_3DAY | 72 - | 6.6 | 8.00 | 0.0000 | 3395757 | 60.00 |  |  |  |  |
| CL3 | BASIN-S5 | 10 YR -3DAY | 10.0 | $\bigcirc .88$ | 8.00 | 0.0000 | 2470695 | 60.00 | 267.06 | 60.72 | 56.22 47.96 |  |
| CL3 | BASIN-S5 | 25 YR -3DAY | . 16 | 22 | 8.00 | 0.0000 | 2869583 | 60.00 | 319.46 | 60.69 | 52.24 |  |
| CP1 | BASIN-S5 | 100YR_3DAY | 1.81 | 6. | 8.00 | 0.0001 | 176437 | 60.00 | 35.15 |  |  |  |
| CP1 | BASIN-S5 | $10 \mathrm{YR}{ }^{\text {- }}$ 3DAY | . 67 | 5. | 8.00 | 0.0000 | 157784 | 60.00 | 32.15 22.27 | 63.75 60.08 | 1.10 1.00 |  |
| CP1 | BASIN-S5 | $25 \mathrm{YR}-3 \mathrm{DAY}$ | $\bigcirc$ | 6 J | 8.00 | 0.0000 | 165899 | 60.00 | 27.41 | 60.06 | 1.00 0.90 |  |
| CP2 | BASIN-S5 | 100YR_3DAY | 101.8. | . 75 | 8.00 | 0.0001 | 237573 |  |  |  |  |  |
| CP2 | BASIN-S5 | 10 YR -3DAY | 103.00 | 5.96 | 8.00 | 0.0000 | 212438 | 60.00 | 29.96 | 60.09 | 1.05 |  |
| CP2 | BASIN-S5 | $25 \mathrm{YR}^{-3} 3 \mathrm{DAY}$ | 99.25 | 6.30 | 8.00 | 0.0000 | 223494 | 60.00 | 36.87 | 60.06 | 1.05 0.92 |  |
| CP3 | BASIN-S5 | 100YR_3DAY | 101.81 | 6.75 | 8.00 | 0.0000 | 1755698 | 60.00 | 199.45 | 62.05 |  |  |
| CP3 | BASIN-S5 | 10 YR -3DAY | 96.99 | 5.98 | 8.00 | 0.0000 | 1247722 | 60.00 | 122.25 | 62.05 61.66 | 24.61 18.24 |  |
| CP3 | BASIN-S5 | 25 YR -3DAY | 99.23 | 6.30 | 8.00 | 0.0000 | 1464238 | 60.00 | 152.82 | 61.66 61.90 | 18.24 21.32 |  |
| CP6 | BASIN-S5 | 100YR_3DAY | 95.36 | 6.76 | 8.00 | 0.0027 | 183 | 60.80 |  |  |  |  |
| CP6 | BASIN-S5 | 10 YR -3DAY | 94.29 | 5.99 | 8.00 | 0.0027 | 183 | 61.66 | 19.34 | 61.66 | 19.33 |  |
| CP6 | BASIN-S5 | 25 YR - 3 DAY | 94.66 | 6.31 | 8.00 | -0.0023 | 183 | 61.04 | 21.55 | 61.04 | 21.54 |  |
| CP7 | BASIN-S5 | 100YR_3DAY | 102.17 | 6.75 | 8.00 | 0.0000 | 3035566 | 60.00 | 534.89 | 108.45 |  |  |
| CP7 | BASIN-S5 | 10YR_3DAY | 101.66 | 5.96 | 8.00 | 0.0000 | 2995702 | 60.00 | 353.97 | 108.49 | 3.31 |  |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD) BASIN S-5 MAX STAGE REPORT

TABTE IT-E~

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf <br> Area ft2 | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cffs } \end{array}$ | Max Time <br> Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CP7 | BASIN-S5 | 25YR_3DAY | 101.22 | 6.30 | 8.00 | 0.0000 | 3012932 | 60.00 | 426.32 | 108.38 | 3.86 |
| E1 | BASIN-S5 | 100YR_3DAY | 72.27 | 6.57 | 8.00 | 0.0001 | 267636 |  |  |  |  |
| E1 | BASIN-S5 | $10 \mathrm{YR}{ }^{-3 \mathrm{SAMY}}$ | 72.24 | 5.86 | 8.00 | 0.0001 | 182569 | 60.08 | 92.99 58.51 | 60.56 60.44 | 33.21 27.50 |
| E1 | BASIN-S5 | 25YR_3DAY | 72.25 | 6.16 | 8.00 | 0.0001 | 216193 | 60.08 | 72.36 | 60.47 | 30.55 |
| E2 | BASIN-S5 | 100YR_3DAY | 72.38 | 6.57 | 8.00 | 0.0001 | 2091107 | 60.00 | 449.48 |  |  |
| E2 | BASIN-S5 | 10YR_3DAY | 72.32 | 5.86 | 8.00 | 0.0000 | 2010997 | 60.00 | 499.48 299.18 | 67.23 66.15 | 2.31 2.14 |
| E2 | BASIN-S5 | 25YR_3DAY | 72.36 | 6.16 | 8.00 | 0.0000 | $20426{ }^{\circ}$ | 60.00 | 360.34 | 66.68 | 1.99 |
| E3 | BASIN-S5 | 100YR_3DAY | 72.63 | 6.58 | 8.00 | 0.0001 | 6 C 60 | $\bigcirc 0.50$ | 78.73 |  |  |
| E3 | BASIN-S5 | 10YR-3DAY | 72.53 | 5.88 | 8.00 | 0.0001 | 403748 | 0.50 50 | 42.84 | 60.84 60.70 | 36.97 26.26 |
| E3 | BASIN-S5 | 25 YR -3DAY | 72.58 | 6.17 | 8.00 | 0.0001 | +81934 | 6. 3 | 56.43 | 60.76 | $\begin{aligned} & 26.26 \\ & 31.26 \end{aligned}$ |
| E4 | BASIN-S5 | 100YR_3DAY | 72.63 | 6.56 | 8.00 | 0.00 r | 1745079 | 59.9< |  |  |  |
| E4 | BASIN-S5 | 10 YR -3DAY | 72.44 | 5.86 | 8.00 | 0.01 | 1397 | 59.92 | 525.29 338.60 | 60.06 60.06 | 77.20 |
| E4 | BASIN-S5 | 25YR_3DAY | 72.55 | 6.16 | 8.00 | 0.0. | $15^{\circ} .37$ | 59.92 | 412.24 | 60.06 | 62.42 69.56 |
| E5 | BASIN-S5 | 100YR_3DAY | 72.49 | 6.56 | 8.00 | 0.0001 | J00213 | 60.00 | 376.15 | 120.00 |  |
| E5 | BASIN-S5 | 10 YR -3DAY | 72.40 | 5.86 | 8.00 | 0.0000 | 17557 | 60.00 | 254.45 | 120.00 | 22.86 18.34 |
| E5 | BASIN-S5 | 25YR_3DAY | 72.44 | 6.15 | 8.6 | ก. 0001 | 1. 717 | 60.00 | 303.76 | 120.00 | 20.82 |
| E6 | BASIN-S5 | 100YR_3DAY | 72.31 | 6.56 | 8.00 |  | 166し34 | 60.00 | 55.97 |  |  |
| E6 | BASIN-S5 | 10 YR -3DAY | 72.27 | 5.86 | 8.00 | 0.01 | 6501 | 60.00 | 55.28 35.28 | 60.37 | 24.72 19.33 |
| E6 | BASIN-S5 | 25 YR -3DAY | 72.29 | 6.15 | 8.00 | 0.01 | 136245 | 60.00 | 43.59 | 60.29 | 21.92 |
| E7 | BASIN-S5 | 100YR_3DAY | 72.35 | 6. | `. 00 | . 0001 | 180619 | 60.00 | 53.23 | 120.00 |  |
| E7 | BASIN-S5 | 10YR-3DAY | 72.29 | г , 6 | . 00 | 0000 | 147105 | 60.00 | 34.36 | 120.00 | 18.54 |
| E7 | BASIN-S5 | 25YR_3DAY | 72.32 | . 15 | 3.00 | - 001 | 160479 | 60.00 | 34.36 41.94 | 120.00 | 18.54 21.08 |
| ESI | BASIN-S5 | 100YR_3DAY | 61.20 | 99 |  | J. 0001 | 137205 |  |  |  |  |
| ES1 | BASIN-S5 | 10YR-3DAY | 60.86 | 6. | 8.00 | 0.0001 | 75551 | 60.00 | 38.06 | 59.94 60.01 | 15.55 11.43 |
| ES1 | BASIN-S5 | 25YR_3DAY | $60.0 \sim$ | 6. | 8.00 | 0.0001 | 95745 | 60.00 | 46.01 | 60.00 | 13.16 |
| ES2 | BASIN-S5 | 100 YR 3DAY | . 18 | 98 | 8.00 | 0.0001 | 79264 | 60.00 | 34.98 | 61.88 |  |
| ES2 | BASIN-S5 | $10 \mathrm{YR}{ }^{-3 \mathrm{~B} A Y}$ | -0.85 | ¢ 8 | 8.00 | 0.0001 | 50747 | 60.00 | 24.22 | 61.38 | 14.97 |
| ES2 | BASIN-S5 | 25 YR _ 3 DAY | 60.97 | 6.1 | 8.00 | 0.0001 | 59809 | 60.00 | 28.65 | 61.38 61.60 | 16.03 |
| ES3 | BASIN-S5 | 100YR_3DAY | $\checkmark \quad 10$ |  | 8.00 | 0.0001 | 365498 |  |  |  |  |
| ES3 | BASIN-S5 | 10 YR -3DAY | 60. | ¢. 3 | 8.00 | 0.0001 | 177749 | 60.08 | 101.19 | 60.49 60.48 | 59.60 54.42 |
| ES3 | BASIN-S5 | 25YR_3DAY | 60.5. | . 55 | 8.00 | 0.0001 | 229269 | 60.08 | 122.02 | 60.52 |  |
| ES4 | BASIN-S5 | 100 YR _3DAY | 72.28 | 6.73 | 8.00 | 0.0000 | 6025792 | 60.00 | 984.11 |  |  |
| ES4 | BASIN-S5 | 10 YR -3DAY | 72.11 | 5.99 | 8.00 | 0.0000 | 5090408 | 60.00 | 984.11 658.53 | 65.59 64.75 | 29.03 26.29 |
| ES4 | BASIN-S5 | 25 YR -3DAY | 72.16 | 6.30 | 8.00 | 0.0000 | 5445585 | 60.00 | 790.22 | 65.12 | 27.59 |
| ES5 | BASIN-S5 | 100YR_3DAY | 72.23 | 6.74 | 8.00 | 0.0001 | 821929 | 60.08 | 201.30 |  |  |
| ES5 | BASIN-S5 | 10YR-3DAY | 61.43 | 5.99 | 8.00 | 0.0001 | 479725 | 60.08 | 121.10 | 60.57 | 35.15 |
| ES5 | BASIN-S5 | 25YR_3DAY | 72.16 | 6.30 | 8.00 | 0.0001 | 614341 | 60.08 | 153.01 | 60.60 | 36.72 |
| PS | BASIN-S5 | 100YR_3DAY | 72.04 | 5.25 | 8.00 | -0.0079 | 3475 | 60.00 | 178.62 | 46.38 | 178.00 |
| PS | BASIN-S5 | $10 \mathrm{YR}{ }^{-3 \mathrm{~B} A Y}$ | 65.32 | 4.67 | 8.00 | -0.0079 | 3475 | 60.53 | 178.14 | 57.23 | 178.00 |
| PS | BASIN-S5 | 25YR_-3DAY | 68.27 | 4.90 | 8.00 | -0.0064 | 3475 | 60.00 | 178.48 | 59.96 | 178.00 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD) BASIN S-5 MAX STAGE REPORT

TABLE II-E-7

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | $\begin{array}{r} \text { Warning } \\ \text { Stage } \\ \text { ft } \end{array}$ | $\begin{array}{r} \text { Max } \begin{aligned} \text { Delta } \\ \text { Stage } \\ \text { ft } \end{aligned} \end{array}$ |  | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { Cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PS1 | BASIN-S5 | 100YR_3DAY | 94.72 | 6.83 | 8.00 | 0.0001 | 1137257 | 60.00 | 190.67 |  |  |
| PS1 | BASIN-S5 | 10YR_3DAY | 93.36 | 6.03 | 8.00 | 0.0001 | 761008 | 60.00 | 116.40 | 61.24 60.98 | 37.55 30.56 |
| PS1 | BASIN-S5 | 25YR_3DAY | 93.88 | 6.37 | 8.00 | 0.0001 | 912919 | 60.00 | 145.90 | 61.07 | 34.14 |
| PS2 | BASIN-S5 | 100YR_3DAY | 92.84 | 6.86 | 8.00 | 0.0000 | 1068642 | 60.00 | 220.10 | 60.00 | 51.04 |
| PS2 | BASIN-S5 | 10 YR -3DAY | 92.72 | 6.04 | 8.00 | 0.0000 | 988659 | 60.00 | 148.44 | 60.00 | 27.66 |
| PS2 | BASIN-S5 | 25 YR -3DAY | 92.71 | 6.38 | 8.00 | 0.0000 | 1022019 | 00.00 | 177.75 | 60.00 | 37.55 |
| R1 | BASIN-S5 | 100YR_3DAY | 92.84 | 6.86 | 8.00 | 0.0000 | 378462 | 60.00 | 481.96 | 92.55 | 25.96 |
| R1 | BASIN-S5 | 10 YR -3DAY | 92.72 | 6.04 | 8.00 | 0.0000 | $3033{ }^{5}$ | 60.00 | 306.23 | 92.31 | 21.55 |
| R1 | BASIN-S5 | 25YR-3DAY | 92.71 | 6.38 | 8.00 | 0.0000 | $326<2$ | ¢0.00 | 370.24 | 92.38 | 23.60 |
| SES1 | BASIN-S5 | 100YR_3DAY | 72.04 | 5.60 | 7.50 | 0.0000 | , 61949 | 6. $\bigcirc$ | 2931.45 | 60.00 |  |
| SES1 | BASIN-S5 | 10YR - 3 DAY | 65.31 | 5.03 | 7.50 | 0.0000 | 0498221 | 60. | 1898.93 | 60.53 | 178.62 178.14 |
| SES1 | BASIN-S5 | 25 YR -3DAY | 68.27 | 5.26 | 7.50 | 0.000 | 15819958 | 60.0 L | 2312.28 | 60.00 | 178.48 |
| SIL1 | BASIN-S5 | 100YR_3DAY | 72.61 | 6.15 | 7.50 | 0.0 | 93- 64 | 60.00 | 1610.42 | 120.00 | 129.91 |
| SIL1 | BASIN-S5 | 10YR - 3DA | 72.12 | 5.50 | 7.50 | 0.000 | ¢ 3173 | 60.00 | 1065.87 | 88.03 | 111.85 |
| SIL1 | BASIN-S5 | 25 YR -3DAY | 72.23 | 5.78 | 7.50 | 0.0000 | 038170 | 60.00 | 1285.84 | 105.19 | 121.77 |
| SIL2 | BASIN-S5 | 100YR_3DAY | 72.48 | 6.48 | 7.5 | $\bigcirc .0001$ | 6. 448 | 60.00 | 1156.02 |  |  |
| SIL2 | BASIN-S5 | 10 YR -3DAY | 72.23 | 5.77 | 7.5 | ano | 52, 75 | 60.00 | 768.67 | 106.09 | 54.40 45.27 |
| SIL2 | BASIN-S5 | 25 YR -3DAY | 72.33 | 6.07 | 7.50 | 0.un | 5824.55 | 60.00 | 924.93 | 120.00 | 49.36 |
| SIL3 | BASIN-S5 | 100YR_3DAY | 72.43 | 6.16 | 7.50 | 0 01 | 2.90550 | 60.00 | 456.64 | 60.96 |  |
| SIL3 | BASIN-S5 | 10 YR -3DAY | 72.13 | 5.51 | 7.50 | 0000 | 1927175 | 60.00 | 296.64 | 60.86 | 22.68 |
| SIL3 | BASIN-S5 | $25 \mathrm{YR}-3 \mathrm{DAY}$ | 72.24 | 5. | '. 50 | . 0001 | 2134700 | 60.00 | 360.74 | 60.90 | 23.88 |
| SIL4 | BASIN-S5 | 100YR_3DAY | 72.69 | . 40 | . 50 | ( ${ }^{(000}$ | 13527554 | 60.00 | 1841.98 | 120.00 |  |
| SIL4 | BASIN-S5 | 10 YR -3DAY | 72.21 | -. 70 |  | 0.0000 | 10377141 | 60.00 | 1197.86 | 63.20 | 74.93 |
| SIL4 | BASIN-S5 | 25 YR - 3 DAY | 72.43 | 10 |  | J. 0000 | 12020499 | 60.00 | 1453.73 | 116.56 | 80.88 |
| SIL5 | BASIN-S5 | 100YR_3DAY | 72.57 | 6.4 | 7.50 | 0.0001 | 5592976 | 60.00 | 834.32 | 76.35 | 15.51 |
| SIL5 | BASIN-S5 | 10 YR -3DAY | 72 | 5.78 | 7.50 | 0.0000 | 4463419 | 60.00 | 523.92 | 76.30 | 14.55 |
| SIL5 | BASIN-S5 | $25 \mathrm{YR}_{-}^{-} 3 \mathrm{DAY}$ | . 41 | 08 | 7.50 | 0.0000 | 5052516 | 60.00 | 645.03 | 76.16 | 15.12 |
| SIL6 | BASIN-S5 | 100YR_3DAY | 72.46 | 6.1 | 7.50 | 0.0001 | 1794201 | 60.00 | 278.16 |  |  |
| SIL6 | BASIN-S5 | $10 \mathrm{YR}-3 \mathrm{DAY}$ | ᄀ. 25 | 5. | 7.50 | 0.0001 | 1205984 | 60.00 | 177.33 | 60.90 | 54.21 |
| SIL6 | BASIN-S5 | $25 \mathrm{YR}{ }^{-} 3 \mathrm{DAY}$ | 34 | 6. | 7.50 | 0.0001 | 1484167 | 60.00 | 217.76 | 60.93 | 55.20 |
| SIL7 7 | BASIN-S5 | 100YR 3DAY | 72.4 | . 48 | 7.50 | 0.0001 | 498028 | 60.00 | 148.86 | 60.31 | 35.32 |
| SIL7 | BASIN-S5 | 10YR-3DAY | 72.16 | 5.77 | 7.50 | 0.0001 | 323791 | 60.00 | 96.35 | 60.28 | 35.32 31.95 |
| SIL7 | BASIN-S5 | 25 YR -3DAY | 72.20 | 6.08 | 7.50 | 0.0001 | 394496 | 60.00 | 117.41 | 60.38 60.30 | 33.87 |
| SIL8 | BASIN-S5 | 100YR_3DAY | 72.47 | 6.48 | 7.50 | 0.0001 | 389618 | 60.00 | 109.65 |  |  |
| SIL8 | BASIN-S5 | 10YR-3DAY | 72.22 | 5.77 | 7.50 | 0.0001 | 257687 | 60.00 | 12.23 | 60.17 | 49.05 37.51 |
| SIL8 | BASIN-S5 | 25 YR -3DAY | 72.31 | 6.07 | 7.50 | 0.0001 | 304716 | 60.00 | 87.23 | 60.18 | 42.67 |
| SIL9 | BASIN-S5 | 100YR_3DAY | 72.59 | 6.49 | 7.50 | 0.0001 | 1781563 | 60.00 | 290.07 | 61.28 | 7.04 |
| SIL9 | BASIN-S5 | 10 YR -3DAY | 72.25 | 5.78 | 7.50 | 0.0000 | 1435649 | 60.00 | 192.30 | 72.00 | 3.65 |
| SIL9 | BASIN-S5 | 25 YR -3DAY | 72.39 | 6.08 | 7.50 | 0.0000 | 1559959 | 60.00 | 231.44 | 71.35 | 3.94 |
| SL1 | BASIN-S5 | 100YR 3DAY | 73.11 | 6.33 | 8.00 | -0.0003 | 12831814 | 60.00 | 4543.13 |  |  |
| SL1 | BASIN-S5 | 10YR_3DAY | 72.61 | 5.68 | 8.00 | -0.0003 | 11493204 | 60.00 | 3549.90 | 120.00 | $13.30$ |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD) BASIN S-5 MAX STAGE REPORT TABLE IT-E-7

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max Delta Stage ft | $\begin{gathered} \text { Max } \begin{array}{c} \text { Surf } \\ \text { Area } \\ \text { ft2 } \end{array} \end{gathered}$ | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SL1 | BASIN-S5 | 25YR_3DAY | 72.78 | 5.95 | 8.00 | -0.0003 | 12047372 | 60.00 | 3943.40 | 120.00 | 16.48 |  |
| SL2 | BASIN-S5 | 100YR_3DAY | 72.78 | 6.33 | 8.00 | 0.0000 | 1157997 | 60.00 | 156.86 | 61.80 | 26.61 |  |
| SL2 | BASIN-S5 | 10YR-3DAY | 72.45 | 5.68 | 8.00 | 0.0000 | 823083 | 60.00 | 96.55 | 61.56 | 21.89 |  |
| SL2 | BASIN-S5 | 25 YR _3DAY | 72.58 | 5.95 | 8.00 | 0.0000 | 961877 | 60.00 | 120.51 | 61.64 | 24.50 |  |
| SL3 | BASIN-S5 | 100YR_3DAY | 64.42 | 6.37 | 8.00 | 0.0001 | 2456757 | 60.00 | 371.72 | 61.75 |  |  |
| SL3 | BASIN-S5 | 10YR_3DAY | 63.58 | 5.70 | 8.00 | 0.0000 | 1634118 | 60.00 | 224.48 | 61.51 | 58.75 |  |
| SL3 | BASIN-S5 | 25YR_3DAY | 64.11 | 5.98 | 8.00 | 0.0000 | 197997 | 60.00 | 282.58 | 61.60 | 63.78 |  |
| SL4 | BASIN-S5 | 100YR_3DAY | 64.51 | 6.45 | 8.00 | 0.0001 | 115-76 | 0.00 | 151.14 | 64.85 | 16.08 |  |
| SL4 | BASIN-S5 | 10YR-3DAY | 63.62 | 5.77 | 8.00 | 0.0000 | 931730 | 00 | 93.55 | 63.63 | 14.68 |  |
| SL4 | BASIN-S5 | 25 YR -3DAY | 64.07 | 6.06 | 8.00 | 0.0000 | 372322 | 6.7 | 116.44 | 64.03 | 15.53 |  |
| SL5 | BASIN-S5 | 100YR_3DAY | 73.14 | 6.31 | 8.00 | $0.00{ }^{\text {a }}$ | 194430 | 60.0 L | 41.69 | 120.00 | 20.03 |  |
| SL5 | BASIN-S5 | $10 \mathrm{YR}{ }^{-3 \mathrm{BdAY}}$ | 72.62 | 5.67 | 8.00 | 0.6 J | 1871 | 60.00 | 27.73 | 120.00 | 13.39 |  |
| SL5 | BASIN-S5 | 25YR_3DAY | 72.80 | 5.94 | 8.00 | 0.0 | 1.338 | 60.00 | 33.38 | 120.00 | 16.59 |  |
| SL6 | BASIN-S5 | 100YR_3DAY | 83.60 | 6.28 | 8.00 | 0.0000 | 945079 | 60.00 | 2925.06 | 120.00 |  |  |
| SL6 | BASIN-S5 | 10YR-3DAY | 79.03 | 5.66 | 8.00 | 0.0000 | + 51423 | 60.00 | 1910.57 | 120.00 | 9.69 |  |
| SL6 | BASIN-S5 | 25 YR -3DAY | 81.15 | 5.91 | 8.1 | 1.0000 | 16. 786 | 60.00 | 2316.27 | 120.00 | 8.42 | . |
| SL7 7 | BASIN-S5 | 100YR 3DAY | 83.60 | 6.28 | 8.00 | $0 . u$ | 448<53 | 60.00 | 92.19 | 60.76 | 27.44 |  |
| SL7 | BASIN-S5 | 10YR-3DAY | 79.03 | 5.66 | 8.00 | 0.8 o | 5612 | 60.00 | 54.64 | 60.64 | 21.30 |  |
| SL7 | BASIN-S5 | 25YR_3DAY | 81.14 | 5.91 | 8.00 | ○ 001 | 364286 | 60.00 | 69.54 | 60.68 | 24.70 |  |
| SL8 | BASIN-S5 | 100YR_3DAY | 83.60 | 6. | '.00 | . 0001 | 467783 | 60.00 | 70.95 | 60.25 | 15.04 |  |
| SL8 | BASIN-S5 | 10YR-3DAY | 79.03 | 「 06 | . 00 | 0000 | 295904 | 60.00 | 42.12 | 60.23 | 12.25 |  |
| SL8 | BASIN-S5 | 25YR_3DAY | 81.14 | . 91 | 3.00 | - 000 | 366604 | 60.00 | 53.59 | 60.24 | 14.07 |  |
| UD1 | BASIN-S5 | 100YR_3DAY | 77.90 | ${ }_{0}$ | ४.ぃ | J. 0000 | 4959362 | 60.00 |  |  |  |  |
| UD1 | BASIN-S5 | $10 \mathrm{YR}{ }^{-3 \mathrm{~B} A Y}$ | 74.88 | 5. | 8.00 | 0.0000 | 4506502 | 60.00 | 449.17 | 87.92 | 4.99 |  |
| UD1 | BASIN-S5 | 25YR_3DAY | 76.1 |  | 8.00 | 0.0000 | 4726893 | 60.00 | 546.71 | 91.45 | 4.91 |  |
| WP1 | BASIN-S5 | 100YR_3DAY | . 67 | 61 | 8.00 | 0.0001 | 1800889 | 60.00 | 325.09 | 60.10 |  |  |
| WP1 | BASIN-S5 | 10YR-3DAY | 12.85 | $\therefore 1$ | 8.00 | 0.0000 | 1412052 | 60.00 | 204.55 | 60.07 | 6.62 |  |
| WP1 | BASIN-S5 | 25 YR -3DAY | 72.80 |  | 8.00 | 0.0001 | 1571009 | 60.00 | 252.58 | 60.08 | 8.56 |  |

## BASIN S-5

# 72-HOUR NODAL STAGE RF ${ }^{\text {PORT }}$ 

10-YEAR, 3-DA ${ }^{*}$ STORM<br>25-YEAR, 3-DA) ${ }^{\circ}$ ORM<br>100-YEAR, ヶ-^Y S. ORM

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-5 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface <br> Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In | $\begin{aligned} & \text { Total } \\ & \text { Vol Out } \\ & \text { af } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10YR_3DAY | C71 | BASIN-S5 | 72.00 | 5.89 | 8.00 | 304971 | 15.38 | 14.32 | 9.3 | -2.2 |
| 10 YR -3DAY | C72 | BASIN-S5 | 72.00 | 5.68 | 8.00 | 30566 | 0.00 | 2583.76 | 0.3 | 11662.5 |
| $10 \mathrm{YR}-3 \mathrm{DAY}$ | C81 | BASIN-S5 | 72.00 | 5.88 | 8.00 | 294112 | -1.82 | -1.95 | 57.1 | 11662.5 46.1 |
| 10 YR -3DAY | C82 | BASIN-S5 | 72.00 | 5.88 | 8.00 | 139638 | -1.95 | 0.00 | 46.1 | 40.0 |
| 10 YR -3DAY | C9 | BASIN-S5 | 72.00 | 3.00 | 8.00 | 0 | 178.00 | 0.00 | 192.3 | 0.0 |
| 10 YR -3DAY | CH1 | BASIN-S5 | 72.00 | 5.92 | 8.00 | 452411 | 12.14 | 12.70 | 81.8 | 70.9 |
| 10 YR -3DAY | CL1 | BASIN-S5 | 72.00 | 5.67 | 8.00 | 8685139 | 60.75 | -1.09 | 265.4 | -1.7 |
| 10 YR -3DAY | CL2 | BASIN-S5 | 72.00 | 5.88 | 8.00 | 3454680 | 21.17 | 19.51 | 136.3 | 29.2 |
| 10 YR -3DAY | CL3 | BASIN-S5 | 72.00 | 5.88 | 8.00 | 2469906 | 11.00 | 7.91 | 113.5 | 43.7 |
| 10 YR -3DAY | CP1 | BASIN-S5 | 72.00 | 5.77 | 8.00 | 153061 | 0. | -0.26 | 3.5 | 0.1 |
| 10 YR -3DAY | CP2 | BASIN-S5 | 72.00 | 5.77 | 8.00 | 206049 | $\bigcirc 0$ | -0.39 | 4.7 | 0.1 |
| 10 YR -3DAY | CP3 | BASIN-S5 | 72.00 | 5.79 | 8.00 | 1116485 | . 07 | 0.56 | 36.8 | -4.3 |
| 10 YR -3DAY | CP6 | BASIN-S5 | 72.00 | 5.79 | 8.00 | 183 | -11.94 | - 86 | -10.4 | 35.7 |
| 10 YR -3DAY | CP7 | BASIN-S5 | 72.00 | 5.67 | 8.00 | 2980639 | 6.38 | -1. ${ }^{\text {a }}$ | 57.1 | -6.1 |
| 10 YR -3DAY | E1 | BASIN-S5 | 72.00 | 5.86 | 8.00 | $18242{ }^{\circ}$ | 1.61 | 1. | 11.6 | -6.1 |
| 10 YR 3DAY | E2 | BASIN-S5 | 72.00 | 5.86 | 8.00 | 20108 | 6.35 | 0.49 | 52.6 | -0.6 |
| 10 YR -3DAY | E3 | BASIN-S5 | 72.00 | 5.88 | 8.00 | $40^{-} 7$ | 15.1 | 16.75 | 24.1 | -0.6 14.9 |
| 10 YR 3DAY | E4 | BASIN-S5 | 72.00 | 5.86 | 8.00 | 1396. | . 63 | 20.54 | 79.6 | 38.6 |
| 10 YR 3DAY | E5 | BASIN-S5 | 72.00 | 5.86 | 8.00 | 171697. | 12.96 | 8.23 | 64.2 | 9.0 |
| 10 YR -3DAY | E6 | BASIN-S5 | 72.00 | 5.86 | 8.00 | 116420 | 0.97 | 0.65 | 7.0 | 4.2 |
| 10YR-3DAY | ES1 | BASIN-S5 | 72.00 | 5.86 5.99 | $8.0 r$ | 147050 | 9.68 | 9.29 | 19.1 | 14.7 |
| 10YR-3DAY | ES2 | BASIN-S5 | 72.00 | 5.99 | 8.01 | 4565 | 80 | 0.73 | 6.6 | 4.9 |
| 10YR-3DAY | ES3 | BASIN-S5 | 72.00 | 5.99 | 8.00 | 1484 | 3.48 | 1.09 | 8.2 | 6.8 |
| 10YR_3DAY | ES4 | BASIN-S5 | 72.00 | 5.99 | 8.00 | 5098 | -5.58 | - ${ }^{1.43}$ | 27.1 | 24.1 |
| 10YR-3DAY | ES5 | BASIN-S5 | 72.00 | 5.99 | 8.00 | - 150 | 3.79 | 30.54 3 | 185.9 | 46.2 |
| 10YR_3DAY | PS | BASIN-S5 | 72.00 | 4.6 r | 8.00 | 3475 | 177.99 | 178.00 | 185.0 | 15.7 |
| 10YR-3DAY | PS1 | BASIN-S5 | 72.00 | 5 | -.00 | 51679 | 17.99 4.11 | 178.00 1.28 | 185.0 27.4 | 192.3 11.4 |
| 10YR-3DAY | PS2 | BASIN-S5 | 72.00 | 19 | . 00 | 4853 | 3.65 | 0.00 | 27.4 33.0 | 11.4 |
| 10YR-3DAY | R1 | BASIN-S5 | 72.00 | J. 79 | 3.00 | 2と 730 | -1.32 | -14.52 | 97.4 | -13.7 |
| 10YR-3DAY | SES1 | BASIN-S5 | 72.00 | $\bigcirc$ |  | 54 56061 | 154.06 | -177.99 | 533.3 | -13.7 |
| 10YR_3DAY | SIL1 | BASIN-S5 | 72.00 | 0 | 7.50 | , 072692 | 113.42 | 103.42 | 371.1 | 154.2 |
| 10YR_3DAY | SIL2 | BASIN-S5 | 72.00 | 5. | 7.50 | 5278490 | 51.49 | 42.43 | 222.1 | 71.8 |
| 10YR 3DAY | SIL3 | BASIN-S5 | 72 | 5.5. | 7.50 | 1926958 | 8.21 | 5.59 | 65.1 | 17.7 |
| 10YR_3DAY | SIL4 | BASIN-S5 | 7 uv | ¢. 70 | 7.50 | 10374810 | 85.25 | 71.05 | 397.5 | 118.8 |
| 10YR-3DAY | SIL5 | BASIN-S5 | 2.00 | 78 | 7.50 | 4461942 | 20.42 | 12.57 | 125.7 | -6.3 |
| 10YR_3DAY | SIL6 | BASIN-S5 | 12.00 | $\checkmark 7$ | 7.50 | 1205316 | 7.48 | 5.44 | 55.2 | 26.4 |
| 10YR 3DAY | SIL7 | BASIN-S5 | 72.00 | 5. | 7.50 | 323682 | 2.25 | 1.69 | 17.8 | 9.7 |
| 10 YR 3DAY | SIL8 | BASIN-S5 | 00 | 5. | 7.50 | 257609 | 1.78 | 1.33 | 14.9 | 8.3 |
| 10YR-3DAY | SL1 | BASIN-S5 | 72. | $5{ }^{3}$ | 7.50 | 1435437 | ${ }^{6} .18$ | 3.65 | 52.7 | -0.6 |
| 10 YR -3DAY | SL2 | BASIN-S5 | 72.04 | ,. 68 | 8.00 | - 822399 | 2618.44 4.53 | 9.37 2.75 | 11970.0 29.3 | 12.9 |
| 10YR_3DAY | SL3 | BASIN-S5 | 72.00 | 5.68 | 8.00 | 1615053 | 13.24 | 10.35 | 76.0 | 12.3 |
| 10 YR -3DAY | SL4 | BASIN-S5 | 72.00 | 5.69 | 8.00 | 801425 | 1.29 | 2.92 | 27.4 | 46.0 |
| 10YR_3DAY | SL5 | BASIN-S5 | 72.00 | 5.67 | 8.00 | 187428 | 9.77 | 9.38 | 16.3 | 9.8 |
| 10YR_3DAY | SL6 | BASIN-S5 | 72.00 | 5.64 | 8.00 | 16203668 | 48.77 | -12.87 | 16.3 384.2 | 12.2 -17.4 |
| 10YR_3DAY | SL7 | BASIN-S5 | 72.00 | 5.64 | 8.00 | 301630 | 1.88 | 0.74 | 12.0 | - 5.9 |
| 10YR_3DAY | SL8 | BASIN-S5 | 72.00 | 5.64 | 8.00 | 291057 | 0.96 | -0.18 | 6.3 | 0.8 |
| 10YR_3DAY | UD1 | BASIN-S5 | 72.00 | 5.89 | 8.00 | 4491133 | 12.57 | -6.92 | 95.1 | -40.9 |
| 10YR_3DAY | WP1 | BASIN-S5 | 72.00 | 5.90 | 8.00 | 1410435 | 6.14 | 1.75 | 43.8 | 4.0 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-5 72 HR NODAL STAGE REPORT FOR 25 YR 3 DAY STORM

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{aligned} & \text { Total } \\ & \text { Inflow } \\ & \text { cfs } \end{aligned}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25YR_3DAY | C71 | BASIN-S5 | 72.00 | 6.18 | 8.00 | 304971 | 14.77 | 13.56 | 10.7 | -2.8 |
| 25 YR -3DAY | C72 | BASIN-S5 | 72.00 | 5.95 | 8.00 | 30620 | 0.00 | 2792.19 | 0.0 | 11946.4 |
| 25YR-3DAY | C81 | BASIN-S5 | 72.00 | 6.22 | 8.00 | 294112 | 2.50 | 2.16 | 69.9 | 1194.6 56.6 |
| $25 \mathrm{YR}{ }^{-3 \mathrm{DAY}}$ | C82 | BASIN-S5 | 72.00 | 6.22 | 8.00 | 139805 | 2.16 | 8.01 | 56.6 | 49.9 |
| 25YR 3DAY | C9 | BASIN-S5 | 72.00 | 3.00 | 8.00 | 0 | 178.00 | 0.00 | 220.0 | 0.0 |
| 25 YR -3DAY | CH1 | BASIN-S5 | 72.00 | 6.33 | 8.00 | 598825 | 15.01 | 22.78 | 104.7 | 88.7 |
| 25 YR -3DAY | CL1 | BASIN-S5 | 72.00 | 5.97 | 8.00 | 9133785 | 70.89 | -1.04. | 326.4 | -2.0 |
| 25 YR -3DAY | CL2 | BASIN-S5 | 72.00 | 6.22 | 8.00 | 3862561 | 28.52 | 23.43 | 171.1 | 35.8 |
| 25 YR -3DAY | CL3 | BASIN-S5 | 72.00 | 6.22 | 8.00 | 2869176 | 21.78 | 12.13 | 144.3 | 53.4 |
| 25 YR -3DAY | CP1 | BASIN-S5 | 72.00 | 6.02 | 8.00 | 159134 | 0.5 | -0.15 | 4.3 | 0.1 |
| 25 YR -3DAY | CP2 | BASIN-S5 | 72.00 | 6.02 | 8.00 | 214326 | $\bigcirc 3$ | -0.22 | 5.8 | 0.1 |
| 25 YR -3DAY | CP3 | BASIN-S5 | 72.00 | 6.03 | 8.00 | 1280503 | . 78 | 1.00 | 47.5 | 23.4 |
| 25 YR -3DAY | CP6 | BASIN-S5 | 72.00 | 6.03 | 8.00 | 183 | -15.62 | 49 | 10.9 | -33.9 |
| 25YR-3DAY | CP7 | BASIN-S5 | 72.00 | 5.94 | 8.00 | 2994501 | 7.67 | $-1.9$ | 69.0 | -12.5 |
| 25YR-3DAY | E1 | BASIN-S5 | 72.00 | 6.15 | 8.00 | 216017 | 1.96 | 1. | 14.6 | 9.0 |
| 25YR_3DAY | E2 | BASIN-S5 | 72.00 | 6.15 | 8.00 | 20425 | 7.58 | 0.6 l | 64.2 | -2.6 |
| 25YR-3DAY | E3 | BASIN-S5 | 72.00 | 6.17 | 8.00 | $48^{\circ} \mathrm{O}$ | $1^{5} 5$ | 16.31 | 30.3 | 18.3 |
| 25YR-3DAY | E4 | BASIN-S5 | 72.00 | 6.15 | 8.00 | 1536. | . 91 | 20.66 | 94.8 | 44.0 |
| 25 YR 3DAY | E5 | BASIN-S5 | 72.00 | 6.15 | 8.00 | 182894 | +4.28 | 8.38 | 78.4 | 11.2 |
| 25YR 3DAY | E6 | BASIN-S5 | 72.00 | 6.15 | 8.00 | 136144 | 1.18 | 0.75 | 8.8 | 5.1 |
| 25YR-3DAY | ES1 | BASIN-S5 | 72.00 | 6.15 6.30 | 8. | 160409 | 1.09 -.96 | 9.59 0.85 | 23.8 | 18.3 |
| 25YR-3DAY | ES2 | BASIN-S5 | 72.00 | 6.30 | 8.0 | ${ }^{7} 16$ | - 73 | 1.85 | 8.1 9.9 | 5.8 |
| 25YR_3DAY | ES3 | BASIN-S5 | 72.00 | 6.30 | 8.00 | 183 | 4.25 | 3.98 | 33.2 | 8.2 |
| 25YR_3DAY | ES4 | BASIN-S5 | 72.00 | 6.30 | 8.00 | 5445 , 6 | $\bigcirc 0.84$ | 22.78 | 229.4 | 52.1 |
| 25YR-3DAY | ES5 | BASIN-S5 | 72.00 | 6.30 | 8.00 | f 140 | 4.70 | 3.84 | 29.4 32.3 | 19.1 |
| 25 YR -3DAY | PS | BASIN-S5 | 72.00 | 4.9 r | 8.00 | 3475 | 178.00 | 178.00 | 227.1 | 220.0 |
| 25YR-3DAY | PS1 | BASIN-S5 | 72.00 | 6 | 3.00 | 66552 | 5.11 | 1.30 | 35.2 | 15.2 |
| 25YR_3DAY | PS2 | BASIN-S5 | 72.00 | J5 | . 00 | -9535 | 4.14 | 0.00 | 41.2 | 15.2 4.1 |
| $25 \mathrm{YR}-3 \mathrm{DAY}$ | R1 | BASIN-S5 | 72.00 | $\bigcirc .05$ | 3.00 | 3. 7990 | -4.53 | -20.28 | 33.4 | -18.8 |
| 25 YR - 3 DAY | SES1 | BASIN-S5 | 72.00 | $\bigcirc .25$ |  | 758.0456 | 168.43 | 178.00 | 650.7 | 227.1 |
| 25YR_3DAY | SIL1 | BASIN-S5 | 72.00 | 78 |  | . 636845 | 123.68 | 106.07 | 445.8 | 176.0 |
| 25YR 3 DAY | SIL2 | BASIN-S5 | 72.00 | 6 | 7.50 | 5822760 | 57.51 | 44.66 | 272.7 | 83.8 |
| 25YR 3DAY | SIL3 | BASIN-S5 | 72 | 5.1 | 7.50 | 2134140 | 9.94 | 5.35 | 80.5 | 20.4 |
| 25 YR - 3DAY | SIL4 | BASIN-S5 | 7 uc | 5.00 | 7.50 | 12014943 | 97.39 | 74.34 | 491.4 | 137.0 |
| 25YR-3DAY | SIL6 | BASIN-S5 | 72.00 | - 17 | 7.50 | 1483260 | 24.44 9.10 | 13.12 5.86 | 158.4 | -6.8 |
| 25YR-3DAY | SIL7 | BASIN-S5 | 72.00 | 6.7 | 7.50 | +394302 | 2.72 | 5.86 1.84 | 69.2 22.0 | 31.1 11.4 |
| 25YR-3DAY | SIL8 | BASIN-S5 | $\bigcirc .00$ | 6. | 7.50 | 304519 | 2.14 | 1.46 | 18.2 | 11.4 9.7 |
| 25 YR -3DAY | SIL9 | BASIN-S5 | 10 | 63 | 7.50 | 1559423 | 7.43 | 3.94 | 64.1 | 0.5 |
| 25 YR -3DAY | SLI | BASIN-S5 | 72. | - 34 | 8.00 | 12043348 | 2836.45 | 10.84 | 12329.2 | 16.0 |
| 25 YR 3DAY | SL2 | BASIN-S5 | 72.1 | -. 95 | 8.00 | 960720 | 5.63 | 2.96 | 37.8 | 15.2 |
| 25 YR 3DAY | SL3 | BASIN-S5 | 72.00 | 5.96 | 8.00 | 1951871 | 17.47 | 14.56 | 97.8 | 56.6 |
| 25YR-3DAY | SL4 | BASIN-S5 | 72.00 | 5.97 | 8.00 | 930709 | 5.20 | 4.54 | 35.3 | 12.2 |
| 25YR_3DAY | SL5 | BASIN-S5 | 72.00 | 5.93 | 8.00 | 190318 | 11.33 | 10.82 | 20.2 | 14.8 |
| 25YR_3DAY | SL6 | BASIN-S5 | 72.00 | 5.89 | 8.00 | 16881358 | 59.29 | -15.45 | 476.5 | -20.5 |
| 25YR_3DAY | SL7 | BASIN-S5 | 72.00 | 5.89 | 8.00 | 358708 | 2.34 | 0.76 | 15.6 | 7.6 |
| 25YR_3DAY | SL8 | BASIN-S5 | 72.00 | 5.89 | 8.00 | 359821 | 1.19 | -0.40 | 8.1 | 0.8 |
| 25YR_3DAY | UD1 | BASIN-S5 | 72.00 | 6.17 | 8.00 | 4713824 | 15.42 | -10.40 | 118.8 | -47.1 |
| 25YR_3DAY | WP1 | BASIN-S5 | 72.00 | 6.19 | 8.00 | 1569349 | 7.56 | 2.39 | 55.4 | 5.7 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-5 72 HR NODAL STAGE REPORT FOR 100 YR 3 DAY STORM
TABLE II-E-8

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{aligned} & \text { Total } \\ & \text { Inflow } \\ & \text { cfs } \end{aligned}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out <br> af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100YR_3DAY | C71 | BASIN-S5 | 72.00 | 6.59 | 8.00 | 304971 | 14.47 |  |  |  |
| 100YR_3DAY | C72 | BASIN-S5 | 72.00 | 6.33 | 8.00 | 30696 | 14.47 0.00 | 3106.35 | 13.0 0.0 | 12386.3 |
| 100YR_3DAY | C81 | BASIN-S5 | 72.00 | 6.68 | 8.00 | 294112 | 16.29 | 15.74 | 86.7 | 12386.3 70.3 |
| 100YR_3DAY | C82 | BASIN-S5 | 72.00 | 6.67 | 8.00 | 140030 | 15.74 | 15.26 | 70.3 | 61.9 |
| 100YR_3DAY | C9 | BASIN-S5 | 72.00 | 3.00 | 8.00 | 0 | 178.00 | 0.00 | 273.8 | 0 |
| 100YR_3DAY | CH1 | BASIN-S5 | 72.00 | 7.06 | 8.00 | 790750 | 19.31 | 41.79 | 140.0 | 112.3 |
| 100YR_3DAY | CL1 | BASIN-S5 | 72.00 | 6.39 | 8.00 | 9756159 | 83.95 | -0.43 | 416.5 | -1.8 |
| 100YR_3DAY | CL2 | BASIN-S5 | 72.00 | 6.67 | 8.00 | 4396227 | 42.58 | 27.39 | 222.0 | 44.0 |
| 100YR 3DAY | CL3 | BASIN-S5 | 72.00 | 6.67 | 8.00 | 3391657 | 33.05 | 21.52 | 188.8 | 65.8 |
| 100 YR -3DAY | CPI | BASIN-S5 | 72.00 | 6.39 | 8.00 | 168038 | 0 | -0.10 | 5.6 | -0.0 |
| $100 \mathrm{YR}=3 \mathrm{DAY}$ | CP2 | BASIN-S5 | 72.00 | 6.39 | 8.00 | 226358 | ', 2 | -0.13 | 7.5 | -0.1 |
| $100 \mathrm{YR}-3 \mathrm{DAY}$ | CP3 | BASIN-S5 | 72.00 | 6.39 | 8.00 | 1523482 | . 05 | 1.93 | 64.2 | 5.9 |
| $100 \mathrm{YR}=3 \mathrm{DAY}$ | CP6 | BASIN-S5 | 72.00 | 6.39 | 8.00 | 183 | 16.95 | -. 95 | -14.0 | 28.6 |
| 100 YR -3DAY | CP7 | BASIN-S5 | 72.00 | 6.31 | 8.00 | 3013559 | 9.62 | -i8, | 87.0 | -19.9 |
| 100 YR 3DAY | E1 | BASIN-S5 | 72.00 | 6.56 | 8.00 | $26728^{\prime}$ | 2.48 | 1.4 | 19.2 | -11.3 |
| 100YR 3DAY | E2 | BASIN-S5 | 72.00 | 6.56 | 8.00 | 20908 | 939 | 1.06 | 81.4 | -4.8 |
| 100YR 3DAY | E3 | BASIN-S5 | 72.00 | 6.58 | 8.00 | 60.5 | 116 | 16.21 | 40.2 | 23.2 |
| 100YR 3DAY | E4 | BASIN-S5 | 72.00 | 6.56 | 8.00 | 1744\%. | د. 55 | 21.53 | 118.5 | 52.3 |
| 100 YR -3DAY | E5 | BASIN-S5 | 72.00 | 6.56 | 8.00 | 199877. | 17.15 | 9.55 | 101.1 | 16.1 |
| 100 YR 3DAY | E6 | BASIN-S5 | 72.00 | 6.56 | 8.00 | 165833 | 1.49 | 0.88 | 11.6 | 6.5 |
| 100 YR 3 DAY | E7 | BASIN-S5 | 72.00 | 6.56 | 8.0 | 180483 | 1.65 | 10.98 | 32.3 | 25.2 |
| 100YR_3DAY | ES2 | BASIN-S5 | 72.00 72.00 | 6.74 6.74 | 8.1 | -9085 | 20 | 0.97 | 10.3 | 7.2 |
| $100 \mathrm{YR}=3 \mathrm{DAY}$ | ES3 | BASIN-S5 | 72.00 | 6.74 | 8.00 | 2947 | 1.88 5.18 | 1.43 | 12.5 | 10.1 |
| 100YR_3DAY | ES4 | BASIN-S5 | 72.00 | 6.73 | 8.00 | 607 y0 | 38.13 | 25.06 | 294.1 | 35.5 60.1 |
| 100YR-3DAY | ES5 | BASIN-S5 | 72.00 | 6.74 | 8.00 | - +430 | 6.06 | 25.06 4.34 | 294.1 43.4 | 23.1 |
| 100 YR 3DAY | PS | BASIN-S5 | 72.00 | $5 . ?$ | 9.00 | 3475 | 178.00 | 178.00 | 267.9 | 273.8 |
| 100YR-3DAY | PS1 | BASIN-S5 | 72.00 |  | . 00 | ? 9896 | 6.60 | 0.51 | 47.4 | 20.2 |
| $100 \mathrm{YR}-3 \mathrm{DAY}$ | PS2 | BASIN-S5 | 72.00 | . 41 | . 00 | 11676 | 4.06 | 0.00 | 52.9 | 20.4 |
| 100 YR -3DAY | R1 | BASIN-S5 | 72.00 | 0.41 | 8.00 | 32,659 | -1.31 | -25.50 | 130.4 | -25.6 |
| 100 YR -3DAY | SES1 | BASIN-S5 | 72.00 | 60 |  | - 61648 | 188.62 | 178.00 | 833.8 | 267.9 |
| 100YR 3DAY | SIL1 | BASIN-S5 | 72.00 |  | 7.50 | , 325344 | 137.81 | 108.68 | 559.4 | 212.1 |
| 100YR_3DAY | SIL2 | BASIN-S5 | 72.00 | 6. | 7.50 | 6481536 | 66.65 | 47.62 | 349.0 | 102.6 |
| 100 YR _3DAY | SIL3 | BASIN-S5 BASIN-S5 | 72.00 | 6.16 -40 | 7.50 | 2389514 | 12.53 | 4.86 | 103.9 | 24.3 |
| 100 YR -3DAY | SIL5 | BASIN-S5 | 2.00 | 49 | 7.50 7.50 | 13518512 5590213 | 115.77 30.13 | 78.17 13.58 | 636.2 | 164.9 |
| 100YR_3DAY | SIL6 | BASIN-S5 | 72.00 | 6 ¢ | 7.50 | 1792579 | 11.51 | 13.58 | 208.2 | -7.0 |
| 100YR_3DAY | SIL7 | BASIN-S5 | '2.00 | 6. | 7.50 | 497695 | 13.51 | 6.30 | 90.5 | 36.9 |
| 100YR_3DAY | SIL8 | BASIN-S5 | 00 |  | 7.50 | 389256 | 2.68 | 1.95 | 28.4 | 13.5 |
| 100YR_3DAY | SIL9 | BASIN-S5 | 7. ${ }^{\text {a }}$ | 63 | 7.50 | 1780513 | 2.68 9.31 | 1.53 | 23.1 | 11.4 |
| 100YR_3DAY | SL1 | BASIN-S5 | 72. | 32 | 8.00 | 12824137 | 3167.00 | 13.04 | 12881.4 | 2.0 |
| 100YR_3DAY | SL2 | BASIN-S5 | 72.00 | 0.33 | 8.00 | 1155856 | 7.29 | 2.96 | 12881.7 | 20.9 |
| 100YR_3DAY | SL3 | BASIN-S5 | 72.00 | 6.36 | 8.00 | 2437071 | 24.29 | 21.63 | 131.3 | 19.3 |
| 100YR_3DAY | SL4 | BASIN-S5 | 72.00 | 6.37 | 8.00 | 1119346 | 6.73 | 21.43 7.43 | 131.3 47.6 | 69.8 |
| 100YR_3DAY | SL5 | BASIN-S5 | 72.00 | 6.31 | 8.00 | 194391 | 13.66 | 12.96 | 26.2 | 14.9 |
| 100YR_3DAY | SL6 | BASIN-S5 | 72.00 | 6.25 | 8.00 | 17855722 | 74.88 | -17.74 | 616.8 | 19.1 -24.3 |
| 100YR_3DAY | SL7 | BASIN-S5 | 72.00 | 6.25 | 8.00 | 440770 | 3.04 | 0.76 | 21.2 | $\begin{array}{r}\text {-24.3 } \\ \hline 9.9\end{array}$ |
| 100YR_3DAY | SL8 | BASIN-S5 | 72.00 | 6.25 | 8.00 | 458658 | 1.54 | -0.84 | 10.9 | 0.3 |
| 100YR_3DAY | UDI | BASIN-S5 | 72.00 | 6.57 | 8.00 | 4938522 | 19.68 | -14.20 | 155.0 | -54.7 |
| 100YR_3DAY | WP1 | BASIN-S5 | 72.00 | 6.61 | 8.00 | 1799242 | 9.70 | 3.60 | 73.4 | 7.7 |

## SOUTH BROWARD DRAINAGE DISTRICT


BASIN S-5


## BASIN S-6

## DESCRIPTION

The S-6 Basin is located in the southwest corner of the District. It is the smallest basin in the District consisting of approximately 1,000 acres and is composed primarily of undeveloped wetlands, with an average elevation of $5.0^{\prime}$ NGVD. This basin is bordered by Conservation Area 3A to the west, US 27 to the east, Pines Boulevard to the north, and the Miami-Dade County/Broward County line to the south. The boundaries of Basin S-6 are shown in Figure II-F-1, and Table II-F-1 provides the existing culvert schedule for the basin, and Table II-F-2 lists the single control structure in Basin S-6.

Due to its environmental sensitivity, this basin was acquired by SFWMD and will not be subject to future development. In order to maintain the appropriate ground water elevations a control structure located at US 27 and $t^{\prime}$ 」 C-9 Canal is operated by SFWMD.

Basin S-6 drains via overland flow to the SBГ $\mathcal{C}$ Canai No. 9, which conveys the stormwater runoff to the SFWMD C-9 Canal.

Basin S-6 will be impacted by the proposea ${ }^{2} \mathrm{C}, \mathrm{PA}$ project (see Significant Future Projects section). This is a joint project hv SFWM $\stackrel{\text { nd the COE that meets the planning }}{ }$ goals set forth in the CERP and inclua s const stion of the C-11 and C-9 aboveground impoundment areas; a 4,553-a re $\mathrm{e}_{\mathrm{p}}$, Conservation Area 3A; and can $\quad$ vveya de improvements to the SBDD Canal No. 9. Additional information on thi projer , incli ling the Executive Summary from the Final Integrated BCWPA PIR and $\llcorner$ ₹ car $\sim d$ at:
http://www.everglad -... org. `m/projects/docs_45_broward_wpa_final_pir.aspx

It is SBDD's intentior. ר work ith both SFWMD and the COE on the design elements of this project to ensure th. th .e are no adverse impacts to the District.

## SUMMARY \& RECOMMENDATIONS

All of the property within this basin is owned by SFWMD, and will remain a permanent wetland/buffer area. As a result, a basin water management evaluation has not been performed and an analysis of Basin S-6 is not presented in the report.

## SOUTH BROWARD DRAINAGE DISTRICT BASIN：S－6 EXISTING FACILITIES MAP

| Legend |
| :--- |
| $\sim$ SFWMD Canal |
| $\sim$ Culverts 2012 |
| Water Bodies |



TABLE II-F-1
BASIN S-6 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6-1 | US 27 Canal | US 27 \& (S) of Pines Blvd. | 30 | RCP | CIRC. | 30 |  |
| 6-2 | US 27 Canal | US 27 \& 1.5 Miles (S) of Pembroke Rd. | LAND WEIR |  |  |  | Control Structure |
| 6-4 | US 27 Canal | US 27 \& C-9 Canal | 48 | CMP | CIRC. | 32 |  |
|  |  |  |  |  |  |  |  |



## SOUTH BROWARD DRAINAGE DISTRICT



## BASIN S-9



## BASIN S-8

## DESCRIPTION

The S-8 Basin encompasses approximately 9.5 square miles and consists of a mixture of rural and urban development. It is bounded on the north by Griffin Road, the south by Pines Boulevard and Sheridan Street, the east by I-75 and SW 148th Avenue (Volunteer Road), and on the west by SW $186^{\text {th }}$ Avenue and SW 185 th Way north of Sheridan Street and by SW 172nd Avenue from Sheridan Street to Pines Boulevard. The S-8 Basin includes portions of the City Pembroke Pines, the Town of Southwest Ranches and the Town of Davie. The receiving water body for this basin is the SFWMD C-11 Canal. The permitted discharge to the SFWMD C-11 Canal is controlled by the S-8 pump station located on SBDD Canal No. 11 (SW 172 ${ }^{\text {nd }}$ Avenue Canal) south of Griffin Road.

The Basin S-8 boundaries and existing facilities are sh vn in Figure II-G-1, and the Table II-G-1 provides a summary of the Basin S-8 char eristics.
 the required water management system is in ple $\sim$ and operatic $\mathfrak{l l}$.

The following improvements have been complete $v$. nin the S-8 Basin since 2005:

- All direct, gravity connections int $-\mathrm{SFWM}_{\perp}$.-11 Canal have been removed.
- Installation of an adjustable cc trol - nture (sluice gate) in the Ivanhoe development on SBDD Car ${ }^{*}$ No. 11
- Lateral canal improvem its ir he Tc in of SW Ranches.
- 48 " RCP culvert $r$. ${ }^{1}$ acer ${ }^{-1}$ at $\omega W$ 178th Avenue and SW 66th Street (maintenance).
- Upgrades to th con.${ }^{1}$ sys ms for the S-8 pump station.
- Miscellaneo lake banı resturations following Hurricane Wilma.
- Installation of vetment tabilization at miscellaneous lake interconnects.
- Miscellaneous cu. ${ }^{\text {r }}$ - anings and weir removals.

The following new developments have been completed:

* Warren Henry, Costco, Paraiso Parc, Sun Trust Bank, Palomino Park, Rolling Oaks Estates North, Regency Square Additions, Pines Acura, Walgreens at Coquina, Applebee's at Coquina, Scarfones, and New Hope Church.

The following infrastructure improvements are proposed for the S-8 Basin:

- Canal improvements (deepening) for the SW 184th Avenue Canal and other lateral canals located in Rolling Oaks.
- A hydraulic connection via culvert and/or swale for the areas located between SW $166^{\text {h }}$ Avenue and SW 170 th Avenue, north of SW 54th Street (at Landmark Ranches) to SBDD Canal No. 11.
- Continued hardening of lake banks and headwalls at critical lake interconnect locations.
- Installation of boat ramps for improved access by SBDD maintenance crews.
- Miscellaneous swale and culvert repairs/replacements.

Figure II-G-2 depicts the District's Basin S-8 Proposed Facilities Map detailing the proposed basin improvements.

## METHODOLOGY

Basin S-8 is comprised of two sub-basins with two different Control Water Elevations as shown in Figure II-G-2:

- The Ivanhoe development sub-basin has a control elevation of 4.0' NGVD and is located along the I-75 corridor, from Griffin Road to Sheridan Street. The water management system for the Ivanhoe sub-basin is comprised of a series of interconnected lakes and canals that discharge in ${ }^{+}$SBDD Canal No. 10 located west of I-75. Canal No. 10 flows south from Grif ${ }^{\digamma}$. Road and ultimately connects to SBDD Canal No. 11 via a series of east-w i eral canals and culverts. An adjustable control structure is located at "`e south nd of Canal No. 10 which controls the water elevation within the Iv .hoe sub-bas. at elevation 4.0' NGVD.
- The remaining portion of Basin S-8 h. a w or control elevation of 3.50' NGVD which is maintained through the S-8 Pur. station.

The two primary canals in Basin S-8 a ? D Car. ${ }^{1}$ Nos. 10 and 11. The two canals are connected by a series of east-west , na an or the north and the south side of a Florida Power and Light easer SE $\Delta$ Canal No. 11 flows south to north and discharges into the SFWMD ,-11 ( nal ti ough the S-8 Pump Station. Water quality requirements and dischars rate - the S-8 Basin are regulated by the SFWMD Permit \# 06-01400-S with a pt atted discharge rate of 75,000 GPM from elevation 4.3' NGVD to elevation .55 ' TVL and 150,000 GPM from elevation 4.55 ' NGVD to elevation 5.4' NGY

The former Bailey Drai. `ge D` crict (Rolling Oaks Community) is located within Basin S8 and has an established cem of lateral canals that discharge into SBDD Canal No. 11 at several locations.

The portion of Basin S-8 located south of Sheridan Street consists of several large residential communities (Towngate, Spring Valley and Pembroke Isles). These subdivisions all have interconnected drainage systems consisting of lakes and culverts with a single point of discharge under Sheridan Street at SW 166th Avenue.

Since the last Facilities Report update, there has been no significant new development within the S-8 Basin. The majority of the water management areas that serves the basin are in place and operational. Therefore, the AdICPR model for this basin has not been updated.

Figure II-G-1 depicts the existing facilities in Basin $\mathrm{S}-8$ and Table II-G-2 provides the existing culvert schedule for the basin. Figures II-G-4, II-G-5, II-G-6, and II-G-7 show the existing flood gates, control structures, staff gauges, and fish guards within basin S 8, respectively, with corresponding Schedule Tables II-G-3, II-G-4, II-G-5 and II-G-6.

## MODEL ANALYSIS

Based on the 2005 AdICPR model results, all properties within Basin S-8 meet the District's adopted Level of Service. The model results also show that SBDD's two primary canals which serve the basin, Canal No. 10 and Canal No. 11 are not restrictive and the peak stages and cumulative head loss in these canals are acceptable. The required water quality for the basin is provided through S-8 Pump Station.

Figure II-G-8 shows the overall AdICPR nodal diagram for Basins S-8 and Tables II-G-7 and II-G-8 list the AdICPR output data for maximum stages and 72-hour stages at each node within the basin.

## SUMMARY \& RECOMMENDATIONS

The 2005 AdICPR model analysis performed for Bas $\quad .8$ indicates that the required Level of Service is being met in this basin and all areas of t . . basin are protected during the 10-year, 3-day (roads) and 100-year, 3-day s ${ }^{+}$. m events ( 1. 'shed floors).

The following recommendations are proposed 1. rd' to improve the overall performance of the water management system in Basin S-8:

- Installation of an automated cont $1 \mathrm{sy} \mathrm{s}_{\mathrm{n}} \mathrm{n}$ for che adjustable Ivanhoe sluice gate.
 sub-basin both pre-stor - 1 po. -storm of major rainfall events; and lower stages and reduce peal stage uratic $s$ in the eastern portion of this sub-basin.
- Installation of a 48" cuı, petween SW 54th Street and Rolling Oaks canal lateral 2, which conne $\rightarrow$ SBL Canal No. 11. This culvert connection will improve the hydraulir onveyar. $\rightleftharpoons$ for his portion of the basin which was altered when the existing grav. 'connecti is to the C-11 Canal were removed.
- Install a hydraulı `o .ection for the areas located between SW $166^{\mathrm{h}}$ Avenue and SW 170th Avenue, n ith $^{\text {th }}$ of SW 54th Street to SBDD Canal No. 11.


## SUMMARY OF BASIN CHARACTERISTICS BASIN S-8

GENERAL

| TOTAL BASIN AREA | (AC) | 6100 |
| :---: | :---: | :---: |
| TOTAL PERVIOUS AREA | (AC) | 3610 (59\%) |
| TOTAL IMPERVIOUS AREA | (AC) | 1775 (29\%) |
| LAKE AREA | (AC) | 715 (12\%) |
| DESIGN CONTROL ELEVATION | (FT NGVD) | 3.50 |
| Ivanhoe (See Figure II-G-3) | (FT NGVD) | 4.00 |
| 10-YEAR 3-DAY FLOOD ELEVATION | (FT NGVD) | 6.00 |
| Ivanhoe (See Figure II-G-3) | (FT NGVD) | 6.50 |
| (MINIMUM ROAD CROWN) |  |  |
| 100-YEAR 3-DAY FLOOD ELEVATION | $r^{\top} \quad$ TGVD $)$ | 7.50 |
| Ivanhoe (See Figure II-G-3) | (FTN, 'D) | 8.00 |
| (MINIMUM FINISHED FLOOR ELEVATION) |  |  |

Note:

| All undeveloped areas are required to have a minimum 20\% * `anagement arear |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  |  |  |  |  |  |



| CANAL |  |  |
| :--- | :---: | :---: |
|  |  | SBDD No 10 |
| CANAL NAME | (FT) | 10,550 |
| LENGTH |  | SBDD No 11 |
| CANAL NAME | (FT) | 14,500 |
| LENGTH |  | 0.033 |
| MANNING'S " $n "$ |  |  |

SFWMD C-11 CANAL


BASIN S-8


Calvin, Giordano \& Associates. Inc
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-8 EXISTING FACILITIES MAP

## Legend

$\sim \sim$ SFWMD Canal

- Culverts 2012SBDD Pump Station
5 Water Bodies


4,000

TABLE II-G-2
BASIN S-8 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8-1.1 | S-8 Pump Station | 17221 SW 46th St. | 48 | STEEL | CIRC. | 5 | 60K GPM - 75K GPM, Pump \# 1 |
| 8-1.2 | S-8 Pump Station | 17221 SW 46th St. | 48 | STEEL | CIRC. | 5 | 60K GPM - 75K GPM, Pump \# 2 |
| 8-1.3 | S-8 Pump Station | 17221 SW 46th St. | 48 | STEEL | CIRC. | 5 | 60K GPM - 75K GPM, Pump \# 3 |
| 8-2.1 | SW 172nd Ave. Canal | SW 172nd Ave. \& FPL Crossing (N) of Sheridan St. | 96 | RCP | CIRC. | 41 |  |
| 8-2.2 | SW 172nd Ave. Canal | SW 172nd Ave. \& FPL Crossing (N) of Sheridan St. | 96 | RCP | CIRC. | 41 |  |
| 8-2.3 | SW 172nd Ave. Canal | SW 172nd Ave. \& FPL Crossing (N) of Sheridan St. | 0 | RCP | CIRC. | 41 |  |
| 8-3 | SW 172nd Ave. Canal | SW 172nd Ave. \& (N) of Sheridan St. | 4 | RCP | CIRC. | 70 |  |
| 8-4.1 | Alton Canal - Outfall | SW 172nd Ave. \& (N) of Sheridan St. | 84 | RCP | CIRC. | 88 |  |
| 8-4.2 | Alton Canal - Outfall | SW 172nd Ave. \& (N) of Sheridan St. | 84 | ${ }^{7} \mathrm{CP}$ | CIRC. | 88 |  |
| 8-4.3 | Alton Canal - Outfall | SW 172nd Ave. \& (N) of Sheridan St. | 84 | RCP | CIRC. | 88 |  |
| 8-5 | Landmark Ranches | (E) of SW 172nd Ave. \& Entry Rd. | $36 \times 24$ | RCP | RECT. | 176 |  |
| 8-6.1 | SW 166th Ave. \& Sheridan St. | SW 166th Ave. \& Sheridan St. | 96 | RCP | CIRC. | 300 |  |
| 8-6.2 | SW 166th Ave. \& Sheridan St. | SW 166th Ave. \& Sheridan St. | 96 | RCP | CIRC. | 300 |  |
| 8-7 | Ivanhoe - (N) Flood Gate | Hawke's Bluff Ave. \& Griffin Rd. | 66 | RCP | CIRC. | 477 | Flood Gate |
| 8-8 | Ivanhoe - Hawke's Bluff | Surrey Circle East \& Hr $\quad$ Rd. | 60 | RCP | CIRC. | 90 |  |
| 8-9 | Ivanhoe - Hawke's Bluff | Hawke's Bluff Ave stirling | 60 | RCP | CIRC. | 195 |  |
| 8-10 | Ivanhoe - Waverly Hundred | Olde Moat Way c shby Fir | 60 | RCP | CIRC. | 93 |  |
| 8-11 | Ivanhoe - Waverly Hundred | Hawke's Bluff Ave. d semill Rd. | $45 \times 120$ | RCP | RECT. | 2 | Control Structure / Flood Gate |
| 8-12 | Ivanhoe - Waverly Hundred | Hawk sluti $\%$ \& (E- FPL Crossing | 60 | RCP | CIRC. | 61 |  |
| 8-13 | Ivanhoe / Coquina Outfall | S ${ }^{\text {², }}$ 60th Ave. \& S $\quad$ i6th St. | 84 | RCP | CIRC. | 169 |  |
| 8-14 | Ivanhoe - Hawke's Bluff | Haw Bluff Ave. \& oundtable Rd. | 48 | CMP | CIRC. | 176 |  |
| 8-15 | Ivanhoe - Hawke's Bluff to I-75 | King Arı Ave. \& /5 | 48 | CAP | CIRC. | 40 |  |
| 8-16 | I-75 (N) of Stirling Rd. | South Bouna $\alpha(\mathrm{N})$ of Stirling Rd. | 66 X 42 | RCP | ELLIP. | 122 |  |
| 8-17 | I-75 (N) of Stirling Rd. | North Bound I-75 \& (N) of Stirling Rd. | 66 X 42 | RCP | ELLIP. | 123 |  |
| 8-18 | Ivanhoe Estates | 5241 Saxon Circle West | 36 | CMP | CIRC. | 52 | Control Structure |
| 8-19 | Ivanhoe Estates | 15021 Saxon Circle North | 30 | CMP | CIRC. | 60 |  |
| 8-20 | Chelsea at Ivanhoe | SW 150th Ave. \& Palomino Dr. | 48 | CMP | CIRC. | 462 | Control Structure |
| 8-21 | Ivanhoe Estates | 14980 Saxon Circle South | 24 | CMP | CIRC. | 70 |  |
| 8-22 | Ivanhoe - Santa Fe Estates / Waterford | (W) of SW 148th Ave. \& SW 54th Pl. | 24 | CMP | CIRC. | 81 |  |
| 8-23 | Ivanhoe - Waterford | 14910 E. Waterford Dr. | 36 | CMP | CIRC. | 85 |  |
| 8-24.1 | Dykes Rd. - Outfall Canal | 15701 SW 53rd Ct. | 48 | CMP | CIRC. | 26 |  |
| 8-24.2 | Dykes Rd. - Outfall Canal | 15701 SW 53rd Ct. | 48 | CMP | CIRC. | 26 |  |

TABLE II-G-2
BASIN S-8 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8-25 | Ivanhoe - Waverly Hundred | 6200 Olde Moat Way | 48 | RCP | CIRC. | 342 |  |
| 8-26 | Waverly Hundred To I-75 | 6255 Hawke's Bluff Ave. | 48 | PVC | CIRC. | 788 |  |
| 8-27 | I-75 South bound (N) of Sheridan St. | (W) Side of I-75 \& (N) of Sheridan St. | $60 \times 36$ | RCP | ELLIP. | 130 |  |
| 8-28 | I-75 North bound (N) of Sheridan St. | (E) Side of I-75 \& (N) of Sheridan St. | $60 \times 36$ | RCP | ELLIP. | 133 |  |
| 8-29 | Ivanhoe - Falcon's Lea | 6320 Falcon's Lea Dr. | 24 | PVC | CIRC. | 175 |  |
| 8-30 | Ivanhoe - Falcon's Lea | Falconsgate Ave. \& Davie Fire Station | $\cdots$ | PVC | CIRC. | 151 |  |
| 8-31 | Ivanhoe - Falcon's Lea | 14900 Falcon's Lea Dr. | 24 | PVC | CIRC. | 164 |  |
| 8-32 | Ivanhoe - Falcon's Lea | 14920 Windbluff St. | 24 | PVC | CIRC. | 164 |  |
| 8-33 | Ivanhoe-Crossbow | Falconsgate Ave. \& FPL Easement | 24 | ${ }^{\text {VC }}$ | CIRC. | 60 |  |
| 8-34 | Ivanhoe - Crossbow | Falconsgate Ave. \& Archevale St. | j \& 24 | PVC | CIRC. | 132 |  |
| 8-35 | Coquina Flats | Lowe's Lake To Brittania Canal | 48 | RCP | CIRC. | 54 |  |
| 8-36 | Green Meadows | SW 164th Ter. \& Griffin Rd. | 36 | RCP | CIRC. | 177 | Flood Gate |
| 8-37 | Green Meadows | SW 164th Ter. \& SW 49th St. | 36 | CMP | CIRC. | 60 |  |
| 8-38 | Green Meadows | SW 164th Ter. \& SW 51st Mnr. | 36 | CMP | CIRC. | 60 |  |
| 8-39 | Green Meadows | SW 164th Ter. \& SW 5^ | 24 | CMP | CIRC. | 91 |  |
| 8-40 | Green Meadows | 4710 SW 164th Ter | 12 | CMP | CIRC. | 59 |  |
| 8-41 | Green Meadows | 5010 SW 164th ' | 12 | CMP | CIRC. | 56 |  |
| 8-42 | Green Meadows | 5710 SW 164th Ter. | 48 | CMP | CIRC. | 60 |  |
| 8-43 | Green Meadows / Landmark Ranch Estates | $5700^{\text {c }}$ 166tn. | 48 | RCP/CMP | CIRC. | 100 |  |
| 8-44 | Deems Ranches | $S^{\top} \quad$ 68th Ave. \& G ${ }^{\text {c }}$ (in Rd. | 48 | RCP | CIRC. | 191 | Flood Gate |
| 8-45 | Deems Ranches | (W) W 168th Ave c SW 49th St. | $60 \times 36$ | CMP | ELLIP. | 60 |  |
| 8-46 | Deems Ranches | 4821 SW '9th Av' | 18 | CMP | CIRC. | 64 |  |
| 8-47 | Deems Ranches | 5020 SW 16b ve. | 15 | CMP | CIRC. | 50 |  |
| 8-48 | Landmark Ranch Estates | SW 172nd Ave. \& (S) of Windsor Blvd. | 72 | RCP | CIRC. | 140 |  |
| 8-49 | SBDD Headquarters | 6591 SW 160th Ave. | 18 | RCP | CIRC. | 72 | Control Structure |
| 8-50 | Estates of Stirling Lakes | 16201 Owasco Dr. | 30 | RCP | CIRC. | 385 |  |
| 8-51 | Estates of Stirling Lakes | 16407 Huron Ter. | 30 | RCP | CIRC. | 350 |  |
| 8-52 | Stoneridge Lake Estates | Stoneridge Lake Estates - Mitigation | 24 | CAP | CIRC. | 50 | Control Structure |
| 8-53 | Stoneridge Lake Estates | 6698 SW 166th Dr. | 48 | RCP | CIRC. | 360 |  |
| 8-54 | Stoneridge Lake Estates | 16164 Mariposa Circle N. | 48 | RCP | CIRC. | 350 |  |
| 8-55 | Rolling Oaks - Lateral \# 2 Outfall | Behind 17320 SW 54th St. | 48 | RCP | CIRC. | 53 |  |
| 8-56 | Rolling Oaks - Lateral \# 3 Outfall | SW 172nd Ave. \& (N) of SW 58th St. | 48 | RCP | CIRC. | 53 |  |

TABLE II-G-2

## BASIN S-8 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8-57 | Rolling Oaks - Lateral \# 4 Outfall | SW 172nd Ave. \& Stirling Rd. | 48 | RCP | CIRC. | 53 |  |
| 8-58 | Rolling Oaks - Lateral \# 5 Outfall | SW 172nd Ave. \& (N) of SW 63rd Mnr. | 48 | RCP | CIRC. | 53 |  |
| 8-59 | Rolling Oaks - Lateral \# 6 Outfall | SW 172nd Ave. \& (S) of SW 65th Ct. | 48 | RCP | CIRC. | 57 |  |
| 8-60 | Rolling Oaks - Lateral \# 7 Outfall | Behind 17210 SW 68th Court | 48 | RCP | CIRC. | 57 |  |
| 8-62 | Rolling Oaks - Canal 2 Outfall | SW 181st Ave. \& Griffin Rd. | 54 | RCP | CIRC. | 181 | Flood Gate |
| 8-63 | Rolling Oaks | 18050 SW 50th St. | 1 | CMP | CIRC. | 42 |  |
| 8-64 | Rolling Oaks | 18050 SW 50th Ct. | $4{ }^{\text {c }}$ | CMP | CIRC. | 40 |  |
| 8-65 | Rolling Oaks | 18031 SW 52nd Ct. | 36 | CMP | CIRC. | 40 |  |
| 8-66 | Rolling Oaks | Behind 17933 SW 55th St. | BRIDGE |  |  |  |  |
| 8-67 | Rolling Oaks | 17933 SW 55th St. | 48 | CMP | CIRC. | 41 |  |
| 8-68 | Rolling Oaks | (E) of 18100 SW 66th St. | 48 | CMP | CIRC. | 50 |  |
| 8-69 | Rolling Oaks / Hart's Nursery | (E) of 18100 SW 66th St. \& (S) of SV ${ }^{\top}$ 66th St. | 48 | HDPE | CIRC. | 40 |  |
| 8-70 | Rolling Oaks | 18100 SW 68th Ct. | 48 | CMP | CIRC. | 44 |  |
| 8-71 | Rolling Oaks | 18070 SW 70th Pl. | 48 | CMP | CIRC. | 32 |  |
| 8-72.1 | Academic Village | (E) of SW 172nd Ave. 8 Sheridan | 42 | RCP | CIRC. | 128 |  |
| 8-72.2 | Academic Village | (E) of SW 172nd A \& (N) oo heridan S | 42 | RCP | CIRC. | 128 |  |
| 8-73 | Rolling Oaks - Lateral \# 1 | SW 178th Ave. \& of SW | 48 | RCP | CIRC. | 170 |  |
| 8-74 | Rolling Oaks | (E) of 17620 SW 51sı | 36 | RCP | CIRC. | 33 |  |
| 8-75 | Rolling Oaks | (E) of 320 Sw 'nd Ct. | 36 | RCP | CIRC. | 33 |  |
| 8-76 | Rolling Oaks - Lateral \# 2 | $\mathrm{S}^{\top}$ 178th Ave. \& (S, ${ }^{\text {f SW 5-.th St. }}$ | 48 | RCP | CIRC. | 58 |  |
| 8-77 | Rolling Oaks | 180c W 57th St. | 48 | CMP | CIRC. | 34 |  |
| 8-78 | Rolling Oaks - Lateral \# 3 | SW 178u ve. \& ${ }^{\text {r }}$, of SW 57th St. | 48 | RCP | CIRC. | 56 |  |
| 8-79 | Rolling Oaks | 18231 Stirlin $_{5}$ | 21 | CMP | CIRC. | 22 |  |
| 8-80.1 | Rolling Oaks | 18221 Stirling Rd. - East Pipe | 36 | CMP | CIRC. | 16 |  |
| 8-80.2 | Rolling Oaks | 18221 Stirling Rd. - West Pipe | 36 | CMP | CIRC. | 20 |  |
| 8-81 | Rolling Oaks | (W) of 18001 Stirling Rd. | 36 | CMP | CIRC. | 41 |  |
| 8-82 | Rolling Oaks | (W) of 18001 Stirling Rd. | BRIDGE |  |  |  |  |
| 8-83 | Rolling Oaks | 18001 Stirling Rd. | 48 | CMP | CIRC. | 50 |  |
| 8-84 | Rolling Oaks - Lateral \# 4 | SW 178th Ave. \& Stirling Rd. | 48 | RCP | CIRC. | 56 |  |
| 8-85 | Rolling Oaks | (N) of 6310 SW 183rd Way | 18 | RCP | CIRC. | 34 |  |
| 8-86 | Rolling Oaks | SW 181st Ave. \& (S) of SW 61st Ct. | 36 | CMP | CIRC. | 40 |  |
| 8-87 | Rolling Oaks - Lateral \# 5 | (S) of 6201 SW 178th Ave. | 48 | RCP | CIRC. | 58 |  |

TABLE II-G-2
BASIN S-8 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8-88 | Rolling Oaks | SW 183rd Way \& SW 66th St. | 18 | RCP/CMP | CIRC. | 36 |  |
| 8-89 | Rolling Oaks | 6520 SW 181st Ln. | 18 | CMP | CIRC. | 40 |  |
| 8-90 | Rolling Oaks | (E) of 6520 SW 181st Ln. | 36 | CMP | CIRC. | 41 |  |
| 8-91 | Rolling Oaks - Lateral \# 6 | SW 178th Ave. \& SW 66th St. | 48 | RCP | CIRC. | 105 |  |
| 8-92 | Rolling Oaks - Lateral \# 7 | (S) of 6921 SW 178th Ave. | 48 | RCP | CIRC. | 57 |  |
| 8-93 | Towngate | (W) of NW 158th Ln. \& NW 5th St. | ᄃ | RCP | CIRC. | 491 |  |
| 8-94 | Towngate | NW 155th Ave. \& (N) of Pines Blvd. | 4 | RCP | CIRC. | 218 |  |
| 8-95 | Towngate | (W) of NW 155th Ave. \& NW 5th St. | 42 | RCP | CIRC. | 301 |  |
| 8-96 | Towngate | NW 155th Ave. \& (N) of NW 5th St. | 48 | ${ }^{\text {? }}$ CP | CIRC. | 223 |  |
| 8-97 | Towngate | NW 160th Ave. \& (S) of NW 12th St. | 60 | RCP | CIRC. | 617 |  |
| 8-98 | Towngate | NW 159th Ter. \& NW 12th St. | 60 | RCP | CIRC. | 1405 |  |
| 8-99 | Towngate | NW 155th Ave. \& NW 14th Ct. | 48 | RCP | CIRC. | 398 |  |
| 8-100 | Towngate | NW 158th Way \& NW 15th St. | 48 | RCP | CIRC. | 615 |  |
| 8-101 | Towngate | (W) of NW 158th Way \& NW 16th Ct. | 48 | RCP | CIRC. | 336 |  |
| 8-102 | Towngate | NW 160th Ave. \& NW - | 60 | RCP | CIRC. | 761 |  |
| 8-103 | Spring Valley | NW 163rd Ave. \& ${ }^{\prime}$ of NW 11 1 St. | 48 | RCP | CIRC. | 136 |  |
| 8-104 | Spring Valley | (E) of NW 163ra ${ }^{\text {a }}$ \& NV | 48 | RCP | CIRC. | 398 |  |
| 8-105 | Spring Valley | NW 163rd Ave. \& N $\quad$ n Ct . | 54 | RCP | CIRC. | 627 |  |
| 8-106 | Spring Valley | NW 1' u Ave. V) of ${ }^{\text {r }}$ 12th St. | 72 | RCP | CIRC. | 163 |  |
| 8-107 | Spring Valley | $\mathrm{N}^{\top} \quad 163$ rd Ave. \& ( $i$ | 48 | RCP | CIRC. | 150 |  |
| 8-108 | Spring Valley | NW ${ }^{\text {ra }}$ Ave. \& NV 1th St. | 54 | RCP | CIRC. | 419 |  |
| 8-109 | Spring Valley | (W) of $\mathrm{N}{ }^{161 \mathrm{st}{ }^{\text {P }} \text {. \& NW 12th St. }}$ | 48 | RCP | CIRC. | 330 |  |
| 8-110 | Spring Valley | NW 163rd A, (N) of NW 10th St. | 48 | RCP | CIRC. | 141 |  |
| 8-111 | Spring Valley | NW 163rd Ave. \& NW 10th St. | 48 | RCP | CIRC. | 528 |  |
| 8-112 | Spring Valley | NW 163rd Ave. \& (S) of NW 9th Dr. | 48 | RCP | CIRC. | 150 |  |
| 8-113 | Spring Valley | NW 163rd Ave. \& NW 8th Dr. | 48 | RCP | CIRC. | 392 |  |
| 8-114 | Spring Valley | NW 163rd Ave. \& (S) of NW 8th Dr. | 30 | RCP | CIRC. | 166 |  |
| 8-115 | Westfork Commercial / Spring Valley | NW 160th Ave. \& NW 8th Dr. | 48 | RCP | CIRC. | 302 |  |
| 8-116 | Spring Valley | 905 NW 164th Ave. | 30 | RCP | CIRC. | 333 |  |
| 8-117.1 | Academic Village | (N) of Sheridan St. \& Jaguar Way | $38 \times 60$ | RCP | ELLIP. | 114 |  |
| 8-117.2 | Academic Village | (N) of Sheridan St. \& Jaguar Way | 38 X 60 | RCP | ELLIP. | 114 |  |
| 8-118 | Spring Valley | NW 163rd Ave. \& (S) of NW 4th St. | 30 | RCP | CIRC. | 153 |  |

TABLE II-G-2
BASIN S-8 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8-119 | Spring Valley | 355 NW 164th Ave. | 30 | RCP | CIRC. | 351 |  |
| 8-120 | Academic Village | (E) of SW 172nd Ave. \& (N) of Sheridan St. | 60 | RCP | CIRC. | 105 | Control Structure |
| 8-121 | Spring Valley | NW 163rd Ave. \& NW 2nd Dr. | 48 | RCP | CIRC. | 185 |  |
| 8-122 | Spring Valley | NW 164th Ave. \& NW 2nd Dr. | 24 | RCP | CIRC. | 370 |  |
| 8-123 | Spring Valley | 16456 NW 13th St. | 30 | RCP | CIRC. | 365 |  |
| 8-124 | Parkside at Spring Valley | NW 163rd Ave. \& (S) of NW 24th St. | 1 | RCP | CIRC. | 340 |  |
| 8-125 | Parkside at Spring Valley | NW 163rd Ave. \& (S) of Sheridan St. | 4 c | RCP | CIRC. | 204 |  |
| 8-126 | Pembroke Isles | NW 169th Ave. \& NW 15th St. | 48 | RCP | CIRC. | 140 |  |
| 8-127 | Pembroke Isles | (E) of NW 172nd Ave. \& NW 14th St. | 48 | ${ }^{\text {' } С Р ~}$ | CIRC. | 113 |  |
| 8-129 | Rolling Oaks Estates | 18000 SW 58th St. | 48 | CAP | CIRC. | 100 |  |
| 8-130 | Rolling Oaks - Mongeotti | 18091 SW 66th St. | 48 | RCP | CIRC. | 47 |  |
| 8-131 | Rolling Oaks - Otero | 18001 SW 66th St. | 48 | RCP | CIRC. | 56 |  |
| 8-132 | Rolling Oaks - JC Freeman | Behind 18130 SW 68th Ct. | 36 | CMP | CIRC. | 37 |  |
| 8-133 | Spring Valley Park/Parkside Emergency Rd. | (W) end of Spring Valley Park | 48 | RCP | CIRC. | 60 |  |
| 8-134 | Muvico - Outfall | 15601 Sheridan St. | 48 | RCP | CIRC. | 60 |  |
| 8-135 | Stirling Acres | SW 166th Ave \& S' ${ }^{\text {r }}$ o2nd St. | 15 | HDPE | CIRC. | 144 |  |
| 8-135.1 | Stirling Acres | SW 166th Ave \& ${ }^{\text {T }}$ 62nd ${ }^{\circ}$ | 15 | CMP | CIRC. | 48 |  |
| 8-136.1 | Griffin Rd. \& 172nd Ave | Griffin Rd. \& SW 17¢ .ve. | 96 | RCP | CIRC. | 184 |  |
| 8-136.2 | Griffin Rd. \& 172nd Ave | Griffir . . \& ゝ, ${ }^{72 n d}$ | 96 | RCP | CIRC. | 184 |  |
| 8-136.3 | Griffin Rd. \& 172nd Ave | C an Rd. \& SW 1; ' ل Ave. | 96 | RCP | CIRC. | 184 |  |
| 8-137 | Landmark Ranches | (E) ८ W 172nd Ave :Windsor Blvd. | 72 | RCP | CIRC. | 136 |  |
| 8-138 | Green Meadows | Behind b ' SW 1' ${ }^{\text {¢ }}$ ¢ Ave. | 12 | CMP | CIRC. | 24 |  |
| 8-139 | Rolling Oaks - Dominguez | (W) of SW 1c ier. \& Stirling Rd. | 48 | RCP | CIRC. | 44 |  |
| 8-140 | Rolling Oaks - Camacho | 17861 SW 66th St. | 48 | RCP | CIRC. | 53 |  |
| 8-141 | I-75 (S) of Sheridan St. | South Bound I-75 \& (S) of Sheridan St. | 60 | RCP | CIRC. | 172 |  |
| 8-142 | I-75 (S) of Sheridan St. | North Bound I-75 \& (S) of Sheridan St. | 60 | RCP | CIRC. | 172 |  |
| 8-143 | I-75 (N) of Pines Blvd. | I-75 \& (N) of Pines Blvd. | $29 \times 45$ | RCP | ELLIP. | 419 |  |



## Legend

$\sim \sim$ SFWMD Canal
——Proposed Features
$\sum$ Water Bodies



SOUTH BROWARD DRAINAGE DISTRICT GIS BASIN: S-8 CONTROL WATER ELEVATION MAP

Calvin, Giordano \& Associates, Inc


SFWMD C-11 CANAL


BASIN S-8


## Legend

- Flood Gate
$\sim$ SFWMD Canal
5 Water Bodies


1,000 2,000
4,000
6,000


BASIN S-8 FLOOD GATE SCHEDULE

Location
8-7 $\quad$ Ivanhoe

8-11
8-36
8-44

8-62
8-62

Sessa's - Hawke's Bluff Ave.
Hawke's Bluff Ave. \& Sledgemill Rd.
Griffin Rd. \& SW 164th Ter.
Deems Ranches Rolling Oaks

Description
(1) 60" W X 60" H \& (1) 32" W X 32" H
120" W X 24" H
36" W X 36" H
48" W X 48" H

60" W X 60" H


SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-8 CONTROL STRUCTURES MAP

## Legend

$\triangle$ Control Structures
$\sim$ SFWMD Canal
$\sum$ Water Bodies


TABLE II-G-4
BASIN S-8 CONTROL STRUCTURE SCHEDULE

| Subdivision | Location |  |  |
| :--- | :--- | :--- | :--- | :--- |
| $8-11$ | Waverly Hundred at Ivanhoe | Hawkes Bluff Ave. \& FPL Crossing |  |
| $8-18$ | Ivanhoe Estates | 5310 Saxon Circle West |  |
| $8-20$ | Chelsea at Ivanhoe | Behind 15090 SW 51st Ct. |  |
| $8-49$ | South Broward Drainage District Headquarters | 6591 SW 160th Ave. |  |
| $8-52$ | Stoneridge Lake Estates | Behind 16595 Mariposa Cir. N | Bubble-Up Structure |
| $8-120$ | Academic Village | Sheridan St. \& Jaguar Way | Over-Flow Structure (USF 4155-6210) |
|  |  |  | Flashboard Riser |

SFWMD C-11 CANAL


BASIN S-8


SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-8 STAFF GAUGE MAP

## Legend

$\diamond$ Staff Gauge
$\sim$ SFWMD Canal
5 Water Bodies


4,000

TABLE II-G-5
BASIN S-8 STAFF GAUGE SCHEDULE

| ID | Subdivision | Location | Description |
| :---: | :---: | :---: | :---: |
| 29 | Towngate | NW 155th Ave. \& (N) of Pines Blvd. | Water Level Recorder |
| 47 | Rolling Oaks | Sheridan St. and C-2 Canal |  |
| 49 | Spring Valley Outfall | SW 166th Ave. \& Sheridan St. |  |
| 53 | Rolling Oaks | SW 181st Ave. \& Griffin Rd. |  |
| 54 | S-8 Pump Station Upstream | (N) side of 17221 SW 46th St. |  |
| 55 | S-8 Pump Station Downstream | (S) side of 17221 SW 46th St. |  |
| 56 | Deems Ranches | SW 170th Ave. \& SW 49th St. |  |
| 57 | Green Meadows | SW 164th Ave. \& Stirling Rd. |  |
| 58 | Ivanhoe Flood Gate (N) | Hawke's Bluff Ave. \& Griffin Rd. | Water Level Recorder |
| 59 | Ivanhoe Estates | 5241 Saxon Circle (W) |  |
| 60 | Crossbow at Ivanhoe | Falconsgate Ave. \& Archevale St. |  |
| 61 | Ivanhoe Flood Gate (S) | Hawke's Bluff Ave. \& Sledgemill Rd. |  |
| 62 | SBDD Headquarters | 6591 SW 160th Ave. |  |
| 70 | Deems Ranches | SW 170th Ave. \& Griffin Rd. |  |
| 71 | Green Meadows | SW 164th Ave \& Griffin Rd. |  |

SFWMD C-11 CANAL


BASIN S-8


## Legend

- Fish Guards
$\sim$ SFWMD Canal
$\sum$ Water Bodies


BASIN S-8 FISH GUARD SCHEDULE
Location



## BASIN S-8

# BASIN MAXIMUM STAGE REPORT 

10-YEAR, 3-DAY ST $J R_{L_{*}}{ }^{\text {' }}$ 25-YEAR, 3-DAV $\mathbf{~}$ TORM<br>100-YEAR, 3-DA ${ }^{\top}$ © ORM

SOUTH BROWARD DRAINAGE DISTRICT (SBDD) BASIN S-8 MAX STAGE REPORI

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | $\begin{array}{r} \text { Max Delta } \\ \text { Stage } \\ \text { ft } \end{array}$ | Max Surf <br> Area ft2 | Max Time Inflow hrs | Inflow cfs | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 \mathrm{K01}$ | BASIN-S8 | 100YR_3DAY | 73.23 | 6.92 | 8.00 | 0.0048 | 1197937 | 60.00 | 183.31 | 120.00 | 22.84 |
| $1 \mathrm{K01}$ | BASIN-S8 | 10 YR -3DAY | 72.99 | 6.11 | 8.00 | 0.0048 | 822277 | 60.00 | 97.18 | 120.00 | 14.61 |
| $1 \mathrm{K01}$ | BASIN-S8 | 25YR_3DAY | 73.08 | 6.41 | 8.00 | 0.0048 | 967650 | 60.00 | 124.25 | 120.00 | 17.71 |
| $1 \mathrm{K02}$ | BASIN-S8 | 100YR_3DAY | 72.73 | 6.89 | 8.00 | 0.0008 | 1670853 | 60.08 | 307.38 | 120.00 | 24.34 |
| $1 \mathrm{K02}$ | BASIN-S8 | 10YR ${ }^{\text {-3DAY }}$ | 72.67 | 6.10 | 8.00 | 0.0005 | 1116110 | 60.08 | 167.81 | 120.00 | 15.37 |
| $1 \mathrm{K02}$ | BASIN-S8 | 25YR_3DAY | 72.70 | 6.39 | 8.00 | 0.0006 | 1327187 | 50.08 | 214.10 | 120.00 | 18.74 |
| 1K02A | BASIN-S8 | 100YR_3DAY | 65.04 | 6.02 | 7.50 | 0.0006 | 31332 | 60.71 | 91.74 | 60.82 | 88.49 |
| 1K02A | BASIN-S8 | 10YR_3DAY | 63.80 | 5.40 | 7.50 | 0.0007 | 2837 | 60.11 | 97.18 | 60.15 | 89.85 |
| 1K02A | BASIN-S8 | 25YR_3DAY | 64.41 | 5.63 | 7.50 | 0.0007 | 29 | 59.98 | 93.14 | 60.75 | 86.27 |
| $1 \mathrm{K03}$ | BASIN-S8 | 100YR_3DAY | 62.81 | 6.23 | 7.50 | 0.0016 | 1950676 | 77 | 380.82 | 60.57 | 75.07 |
| $1 \mathrm{K03}$ | BASIN-S8 | 10YR-3DAY | 61.71 | 5.69 | 7.50 | 0.0024 | S41617 | $6 \mathrm{C}=$ | 154.44 | 60.11 | 90.31 |
| 1 K 03 | BASIN-S8 | 25YR_3DAY | 62.17 | 5.88 | 7.50 | 0.0026 | 987563 | 59. | 409.57 | 59.98 | 85.23 |
| 1 K 04 | BASIN-S8 | 100 YR 3 SAY | 62.81 | 6.23 | 7.50 | 0.0 | 1250 i | 60.25 | 214.82 | 59.77 | 301.17 |
| $1 \mathrm{KO4}$ | BASIN-S8 | 10 YR -3DAY | 61.71 | 5.69 | 7.50 | 0.04 | 8.060 | 60.25 | 111.24 | 1.03 | 121.14 |
| 1 K 04 | BASIN-S8 | 25YR_3DAY | 62.17 | 5.88 | 7.50 | 0.002 l | , 7598 | 60.25 | 145.60 | 59.97 | 305.33 |
| 1 K 15 | BASIN-S8 | 100YR_3DAY | 65.20 | 6.01 | 7.50 | 0.0006 | -0776 | 60.79 | 89.39 | 61.82 |  |
| 1 K 15 | BASIN-S8 | 10YR_3DAY | 64.11 | 5.38 | 7.5 | 0006 | + 725 | 60.13 | 92.10 | 61.29 | 78.74 |
| 1 K 15 | BASIN-S8 | 25YR_3DAY | 64.56 | 5.62 | 7.54 |  | 14. 5 | 60.00 | 90.67 | 61.47 | 78.43 |
| 1L02 | BASIN-S8 | 100YR_3DAY | 74.47 | 6.92 | 8.00 | $0 . r$ o | 3594 | 60.00 | 243.15 | 0.00 | 39.22 |
| 1 L 02 | BASIN-S8 | 10 YR -3DAY | 73.67 | 6.12 | 8.00 | - 003 | 1658053 | 60.00 | 147.04 | 0.00 | 39.22 |
| 1L02 | BASIN-S8 | 25YR_3DAY | 73.95 | 6.47 | 8.00 | . 0003 | 1842101 | 60.00 | 179.34 | 0.00 | 39.22 |
| 1 L 03 | BASIN-S8 | 100YR_3DAY | 74.47 | ' 22 | . 00 | 2005 | 1656691 | 60.27 | 167.04 |  |  |
| 1 L 03 | BASIN-S8 | 10YR - 3 DAY | 73.67 | . 12 | 3.00 | c 003 | 1292176 | 59.74 | 73.87 | 60.83 | 51.45 |
| 1 L 03 | BASIN-S8 | 25YR_3DAY | 73.95 | $\bigcirc 41$ |  | 0.0003 | 1459672 | 60.41 | 119.01 | 74.18 | 159.06 |
| $1 \mathrm{LO4}$ | BASIN-S8 | 100YR_3DAY | 74.47 | 6. | 8.00 | 0.0025 | 98457 | 95.98 | 182.66 | 75.97 | 182.36 |
| $1 \mathrm{LO4}$ | BASIN-S8 | $10 \mathrm{YR}{ }^{-3 \mathrm{BAP}}$ | 73. | 6.1 | 8.00 | 0.0007 | 94734 | 60.83 | 71.71 | 113.64 | 114.87 |
| 1L04 | BASIN-S8 | 25YR_3DAY | $7{ }^{\circ}$ | $\bigcirc .41$ | 8.00 | -0.0015 | 96186 | 74.99 | 161.16 | 72.31 | 154.73 |
| 1L05 | BASIN-S8 | 100YR_3DAY | 14.46 | 6 ? | 8.00 | 0.0005 | 2142809 | 60.10 | 307.94 | 58.32 |  |
| 1 L 05 | BASIN-S8 | 10YR-3DAY | 73.66 | 6. | 8.00 | 0.0003 | 1689514 | 60.88 | 143.44 | 50.98 0.98 | 43.45 |
| 1L05 | BASIN-S8 | 25YR_3DAY | . 94 | 6. | 8.00 | 0.0003 | 1899995 | 60.45 | 210.82 | 78.80 | 45.77 |
| 1L06 | BASIN-S8 | 100YR_3DAY | 74. |  | 8.00 | 0.0019 | 388568 | 58.33 | 60.21 | 120.00 | 13.41 |
| 1 L 06 | BASIN-S8 | 10 YR -3DAY | 73.64 | . 12 | 8.00 | 0.0019 | 289876 | 0.98 | 43.45 | 120.00 | 13.41 9.00 |
| 1L06 | BASIN-S8 | 25YR_3DAY | 73.93 | 6.41 | 8.00 | 0.0019 | 335589 | 78.80 | 45.77 | 120.00 | 10.68 |
| 1 L 07 | BASIN-S8 | 100YR_3DAY | 73.97 | 6.92 | 8.00 | 0.0006 | 2095553 | 60.00 | 229.09 | 120.00 |  |
| 1 L 07 | BASIN-S8 | 10YR-3DAY | 73.42 | 6.12 | 8.00 | 0.0004 | 1488344 | 60.00 | 126.72 | 120.00 | 15.22 9.94 |
| 1L07 | BASIN-S8 | 25YR_3DAY. | 73.62 | 6.41 | 8.00 | 0.0005 | 1751546 | 60.00 | 161.01 | 120.00 | 11.96 |
| 1001 | BASIN-S8 | 100YR_3DAY | 72.62 | 6.25 | 7.50 | 0.0005 | 1073701 | 60.50 | 100.39 | 55.84 | 40.59 |
| 1001 | BASIN-S8 | 10 YR 3DAY | 68.97 | 5.66 | 7.50 | -0.0006 | 815571 | 60.50 | 50.44 | 1.08 | 12.21 |
| 1001 | BASIN-S8 | 25YR_3DAY | 71.95 | 5.87 | 7.50 | -0.0004 | 914456 | 60.50 | 66.92 | 117.80 | 50.42 |
| 1002 | BASIN-S8 | 100YR_3DAY | 72.62 | 6.25 | 7.50 | 0.0005 | 1073701 | 60.58 | 89.32 | 60.69 | 10.31 |
| 1002 | BASIN-S8 | 10YR-3DAY | 68.96 | 5.66 | 7.50 | -0.0006 | 652564 | 60.67 | 38.06 | 61.12 | 9.48 |
| 1002 | BASIN-S8 | 25YR-3DAY | 71.95 | 5.87 | 7.50 | -0.0005 | 850334 | 60.58 | 53.95 | 117.60 | 10.39 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ f t \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | Inflow cfs | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { Cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1003 | BASIN-S8 | 100YR_3DAY | 72.49 | 6.20 | 7.50 | -0.0007 | 962215 | 60.50 | 101.47 | 55.89 |  |
| 1003 | BASIN-S8 | 10YR-3DAY | 68.78 | 5.61 | 7.50 | -0.0005 | 723143 | 60.50 | 54.54 | 1.07 | 15.06 |
| 1003 | BASIN-S8 | 25YR_3DAY | 70.23 | 5.82 | 7.50 | -0.0004 | 812837 | 60.50 | 70.56 | 117.35 | 45.91 |
| 1004 | BASIN-S8 | 100YR_3DAY | 72.49 | 6.20 | 7.50 | 0.0008 | 962187 | 60.50 | 101.17 | 113.62 | 17.39 |
| 1004 | BASIN-S8 | 10YR-3DAY | 68.78 | 5.61 | 7.50 | -0.0005 | 723101 | 30.50 | 53.27 | 59.45 | 14.84 |
| 1004 | BASIN-S8 | 25YR_3DAY | 70.23 | 5.82 | 7.50 | -0.0006 | 812798 | 60.50 | 69.46 | 112.23 | 16.55 |
| 1005 | BASIN-S8 | 100YR_3DAY | 69.04 | 6.03 | 7.50 | 0.0004 | 8985' | 60.50 | 100.87 | 108.14 | 21.11 |
| 1005 | BASIN-S8 | 10 YR -3DAY | 65.03 | 5.46 | 7.50 | -0.0004 | $65^{4}$ < | 60.50 | 52.00 | 59.50 | 19.81 |
| 1005 | BASIN-S8 | 25YR ${ }^{\text {- }}$ 3DAY | 66.20 | 5.66 | 7.50 | 0.0003 | 73 35 | 7.50 | 68.36 | 118.09 | 26.95 |
| 1006 | BASIN-S8 | 100YR_3DAY | 69.03 | 6.03 | 7.50 | 0.0004 | 897700 | 60 | 104.04 | 56.69 | 25.70 |
| 1006 | BASIN-S8 | $10 \mathrm{YR}{ }^{\text {-3DAY }}$ | 65.02 | 5.46 | 7.50 | -0.0000 | 653896 | 60.5 | 56.03 | 59.78 | 25.75 |
| 1006 | BASIN-S8 | 25YR_3DAY | 66.19 | 5.66 | 7.50 | $0.00{ }^{\prime}$ | 738613 | 60.50 | 71.71 | 59.19 | 25.47 |
| 1007 | BASIN-S8 | 100YR_3DAY | 68.22 | 5.92 | 7.50 | -0.0c. | $\bigcirc 164$ | 60.50 | 107.20 | 58.84 | 83.93 |
| 1007 | BASIN-S8 | 10YR-3DAY | 64.56 | 5.37 | 7.50 | 0.001 | +5434 | 60.50 | 60.07 | 1.08 | 28.76 |
| 1007 | BASIN-S8 | 25YR ${ }^{-3 D A Y}$ | 65.02 | 5.56 | 7.50 | -0.0022 | 599441 | 60.50 | 75.07 | 59.73 | 28.65 |
| 1008 | BASIN-S8 | 100YR_3DAY | 68.21 | 5.92 | 7.5 | n019 | 1' '86 | 60.44 | 207.12 | 58.85 |  |
| 1008 | BASIN-S8 | 10YR-3DAY | 64.56 | 5.37 | 7.56 | $u$. | 1234 6 | 60.50 | 125.09 | 58.85 59.96 | 65.98 |
| 1008 | BASIN-S8 | 25YR_3DAY | 65.02 | 5.56 | 7.50 | 0.00 | 298449 | 59.73 | 186.37 | 59.78 | 61.56 |
| 1009 | BASIN-S8 | 100YR_3DAY | 68.21 | 5.92 | 7.50 | -. 008 | 854947 | 60.50 | 91.26 | 58.84 | 74.95 |
| 1009 | BASIN-S8 | 10 YR -3DAY | 64.56 | $5.3{ }^{-}$ | 7.50 | . 0011 | 615164 | 60.50 | 45.85 | 1.07 | 28.55 |
| 1009 | BASIN-S8 | 25YR_3DAY | 65.02 | 5 | . 50 | 0021 | 699230 | 60.50 | 60.84 | 59.73 | 74.18 |
| 1016 | BASIN-S8 | 100YR_3DAY | 77.59 | J. 84 | 1.50 | 0004 | 728570 | 60.33 | 124.44 | 59.82 | 68.78 |
| 1016 | BASIN-S8 | 10YR-3DAY | 81.10 | 34 |  | $\bigcirc .0004$ | 535893 | 60.25 | 105.23 | 60.25 | 102.07 |
| 1016 | BASIN-S8 | 25 YR -3DAY | 78.84 |  | 7.50 | 0.0004 | 611932 | 60.33 | 105.19 | 60.24 | 100.41 |
| 1017 | BASIN-S8 | 100YR_3DAY | 77 | 5.84 | 7.50 | 0.0004 | 1670046 | 59.82 | 254.22 | 64.00 | 120.32 |
| 1017 | BASIN-S8 | $10 \mathrm{YR}{ }^{-3 \mathrm{BDAY}}$ | $9 \quad 49$ | . 34 | 7.50 | 0.0003 | 1473496 | 60.00 | 207.98 | 63.95 | 120.32 94.53 |
| 1017 | BASIN-S8 | 25YR_3DAY | 3.84 | 54 | 7.50 | 0.0004 | 1551218 | 60.00 | 241.12 | 64.78 | 103.70 |
| 1018 | BASIN-S8 | 100YR_3DAY | 7.52 | 5. | 7.50 | 0.0004 | 729250 | 60.56 | 150.97 | 64.97 | 125.95 |
| 1018 | BASIN-S8 | 10 YR -3DAY | 08 | 5. | 7.50 | 0.0003 | 535592 | 61.54 | 103.67 | 64.56 | 128.39 |
| 1018 | BASIN-S8 | 25 YR -3DAY | 7.0 |  | 7.50 | 0.0004 | 612013 | 60.96 | 119.49 | 64.71 | 108.23 |
| 1P01 | BASIN-S8 | 100YR_3DAY | 77.61 | , 97 | 7.50 | 0.0005 | 498591 |  |  | 60.07 |  |
| 1P01 | BASIN-S8 | 10YR_3DAY | 75.22 | 5.36 | 7.50 | 0.0005 | 377537 | 60.19 | 137.38 97.17 | 61.25 | 75.94 76.10 |
| $1 \mathrm{PO1}$ | BASIN-S8 | 25 YR -3DAY | 76.65 | 5.58 | 7.50 | 0.0005 | 422574 | 60.17 | 107.04 | 61.66 | 73.43 |
| $1 \mathrm{P02}$ | BASIN-S8 | 100YR_3DAY | 77.60 | 5.97 | 7.50 | 0.0005 | 372954 | 60.08 | 132.07 | 60.13 | 90.40 |
| 1 P 02 | BASIN-S8 | 10YR-3DAY | 75.21 | 5.36 | 7.50 | 0.0004 | 270265 | 60.79 | 86.63 | 61.12 | 75.09 |
| 1 P 02 | BASIN-S8 | 25YR_3DAY | 76.61 | 5.58 | 7.50 | 0.0005 | 308461 | 60.31 | 98.80 | 60.37 | 75.21 |
| 1 P 03 | BASIN-S8 | 100YR_3DAY | 77.75 | 5.96 | 7.50 | 0.0005 | 664475 | 60.17 | 93.77 | 59.77 | 29.72 |
| 1 P 03 | BASIN-S8 | $10 \mathrm{YR}{ }^{\text {- }}$ 3DAY | 75.17 | 5.36 | 7.50 | 0.0005 | 463963 | 60.25 | 47.29 | 60.25 | 44.83 |
| 1 P 03 | BASIN-S8 | 25YR_3DAY | 76.55 | 5.58 | 7.50 | 0.0006 | 538697 | 60.25 | 62.58 | 60.07 | 50.83 |
| 1 PO 4 | BASIN-S8 | 100YR_3DAY | 77.75 | 5.96 | 7.50 | 0.0005 | 2747222 | 60.00 | 335.71 | 90.58 | 21.08 |
| 1 P 04 | BASIN-S8 | 10YR_3DAY | 75.20 | 5.36 | 7.50 | 0.0003 | 2156315 | 60.00 | 219.08 | 67.19 | 17.95 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD) BASIN S-8 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf <br> Area ft2 | Max Time Inflow hrs | Inflow cfs | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1P04 | BASIN-S8 | 25YR_3DAY | 76.67 | 5.58 | 7.50 | 0.0004 | 2376554 | 60.00 | 274.95 | 90.01 | 20.51 |
| 1P05 | BASIN-S8 | 100YR_3DAY | 77.58 | 5.97 | 7.50 | 0.0005 | 389785 | 60.17 | 111.18 | 66.48 | 87.13 |
| 1 P 05 | BASIN-S8 | 10YR_3DAY | 75.19 | 5.36 | 7.50 | 0.0004 | 275448 | 64.02 | 111.18 72.03 | 64.21 | 87.136 |
| 1 P 05 | BASIN-S8 | 25 YR -3DAY | 76.58 | 5.58 | 7.50 | 0.0005 | 317966 | 64.20 | 76.51 | 65.38 | 75.99 |
| 1 P 06 | BASIN-S8 | 100YR_3DAY | 77.55 | 5.96 | 7.50 | 0.0005 | 2645532 | 60.50 | 545.92 | 64.57 | 361.56 |
| 1 P 06 | BASIN-S8 | 10 YR -3DAY | 75.04 | 5.35 | 7.50 | 0.0005 | 1846237 | 61.61 | 291.72 | 64.48 | 271.27 |
| 1 1P06 | BASIN-S8 | 25YR-3DAY | 76.25 | 5.58 | 7.50 | 0.0005 | 2143065 | 60.67 | 376.72 | 64.52 | 308.28 |
| 1 P 07 | BASIN-S8 | 100YR 3DAY | 77.54 | 5.97 | 7.50 | 0.0005 | $910{ }^{-}$ | 60.53 | 318.87 | 63.19 | 255.62 |
| $1 P 07$ | BASIN-S8 | 10YR-3DAY | 74.22 | 5.36 | 7.50 | 0.0007 | $6 ?$ | -2.88 | 191.35 | 67.02 | 190.89 |
| 1 P 07 | BASIN- 58 | 25YR_3DAY | 75.03 | 5.59 | 7.50 | 0.0006 | 73:489 | 12 | 227.31 | 64.07 | 217.05 |
| 1 P 08 | BASIN-S8 | 100YR_3DAY | 72.57 | 6.15 | 7.50 | 0.0004 | 1066211 | 60. | 102.67 | 56.42 | 4.97 |
| $1 \mathrm{P08}$ | BASIN-S8 | 10YR-3DAY | 68.74 | 5.55 | 7.50 | -0.000 | 782977 | 60.54 | 51.58 | 59.61 | 4.59 |
| 1 P 08 | BASIN-S8 | 25YR_3DAY | 71.46 | 5.76 | 7.50 | -0.0' | $887{ }^{\circ} 2$ | 60.50 | 68.44 | 117.10 | 5.09 |
| 1 P 09 | BASIN-S8 | 100YR 3DAY | 72.57 | 6.15 | 7.50 | 0.000 | 1 0115 | 60.50 | 105.56 | 56.43 | 9.94 |
| 1 PO 9 | BASIN-S8 | 10 YR -3DAY | 68.73 | 5.55 | 7.50 | 0.0003 | 182761 | 60.50 | 53.86 | 59.61 | 9.17 |
| 1 P 09 | BASIN-S8 | 25YR_3DAY | 71.48 | 5.76 | 7.50 | -0.0003 | 27382 | 60.50 | 70.97 | 117.06 | 10.10 |
| 1P10 | BASIN-S8 | 100YR_3DAY | 72.56 | 6.10 | 7.51 |  | 104. 6 | 60.50 | 108.39 |  |  |
| $1 \mathrm{P10}$ | BASIN-S8 | 10 YR -3DAY | 68.49 | 5.50 | 7.50 | 0.0 | 751563 | 60.50 | 56.14 | 59.61 | 14.86 |
| 1 P10 | BASIN-S8 | 25YR_3DAY | 72.43 | 5.71 | 7.50 | 0.0 | 7844 | 60.50 | 73.47 | 58.64 | 15.26 |
| 1P11 | BASIN-S8 | 100YR_3DAY | 72.57 | 6.10 | 7.50 | . 0004 | 1152711 | 60.50 | 120.64 | 57.08 | 22.48 |
| 1 P 11 | BASIN-S8 | 10YR-3DAY | 68.50 | 5. | $\bigcirc .50$ | . 0003 | 831086 | 60.50 | 65.81 | 59.72 | 22.22 |
| 1 PII | BASIN-S8 | 25YR_3DAY | 72.47 |  | . 50 | 0003 | 949777 | 60.50 | 83.71 | 59.09 | 22.45 |
| 1P12 | BASIN-S8 | 100YR_3DAY | 77.54 | . 96 |  | 0. 0005 | 852787 | 60.25 | 119.94 | 59.73 | 43.26 |
| 1 P 12 | BASIN-S8 | 10YR-3DAY | 75.18 | 35 | 1. | J. 0004 | 593642 | 60.25 | 70.17 | 60.25 | 67.10 |
| 1P12 | BASIN-S8 | 25YR-3DAY | 76.50 | 5. | 7.50 | 0.0005 | 689831 | 60.25 | 84.31 | 60.05 | 68.60 |
| 1 P 13 | BASIN-S8 | 100YR_3DAY | 75 | 5.96 | 7.50 | 0.0005 | 554244 | 64.44 | 385.86 | 65.92 | 384.38 |
| 1 1P13 | BASIN-S8 | $10 \mathrm{YR}{ }^{-3 \mathrm{SAPY}}$ | . 20 | 35 | 7.50 | 0.0004 | 410897 | 64.41 | 293.03 | 65.05 | 292.05 |
| 1 P 13 | BASIN-S8 | 25YR_3DAY | 16.51 | 8 | 7.50 | 0.0005 | 464110 | 64.44 | 330.36 | 65.42 | 329.20 |
| 1P14 | BASIN-S8 | 100YR_3DAY | '. 52 | 5. | 7.50 | 0.0005 | 916035 | 60.90 | 405.02 | 64.99 | 391.21 |
| $1 \mathrm{P14}$ | BASIN-S8 | 10 YR -3DAY | 1. ${ }^{11}$ | 5. | 7.50 | 0.0004 | 644023 | 64.33 | 298.50 | 64.91 | 296.58 |
| 1P14 | BASIN-S8 | 25 YR -3DAY | 76. | ᄃ 8 | 7.50 | -0.0009 | 744967 | 64.30 | 337.20 | 65.07 | 334.45 |
| 2 K 05 | BASIN-S8 | 100YR_3DAY | 78.27 | 6.96 | 8.00 | 0.0007 | 1627493 | 60.00 | 221.11 | 62.25 | 7.82 |
| 2 K 05 | BASIN-S8 | 10YR 3DAY | 76.02 | 6.12 | 8.00 | 0.0004 | 1156682 | 60.00 | 132.21 | 61.51 | 7.13 |
| 2K05 | BASIN-S8 | 25YR_3DAY | 76.67 | 6.43 | 8.00 | 0.0005 | 1353839 | 60.00 | 162.06 | 61.71 | 7.39 |
| 2K06 | BASIN-S8 | 100YR_3DAY | 78.12 | 6.96 | 8.00 | 0.0007 | 379201 | 60.00 | 62.19 | 64.38 | 3.86 |
| $2 \mathrm{K06}$ | BASIN-S8 | 10 YR -3DAY | 75.97 | 6.12 | 8.00 | 0.0004 | 283888 | 60.00 | 35.55 | 63.39 | 3.75 |
| 2K06 | BASIN-S8 | 25 YR -3DAY | 76.57 | 6.43 | 8.00 | 0.0004 | 327330 | 60.00 | 44.25 | 63.73 | 3.80 |
| $2 \mathrm{K07}$ | BASIN-S8 | 100YR 3DAY | 77.03 | 6.96 |  |  | 811998 | 60.00 | 129.92 | 61.44 | 3.18 |
| $2 \mathrm{K07}$ | BASIN-S8 | 10 YR -3DAY | 75.42 | 6.12 | 8.00 | 0.0004 | 611933 | 60.00 | 73.73 | 61.06 | 2.99 |
| 2K07 | BASIN-S8 | 25YR_3DAY | 75.84 | 6.43 | 8.00 | 0.0005 | 705635 | 60.00 | 92.49 | 61.16 | 3.12 |
| 2K08 | BASIN-S8 | 100YR_3DAY | 75.73 | 6.97 | 8.00 | 0.0007 | 637369 | 60.00 | 115.75 | 60.24 | 3.45 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf Area ft2 | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2K08 | BASIN-S8 | 10YR_3DAY | 74.39 | 6.12 | 8.00 | 0.0004 | 501446 | 60.00 | 65.73 | 60.21 | 2.16 |
| 2K08 | BASIN-S8 | 25 YR _3DAY | 74.70 | 6.43 | 8.00 | 0.0004 | 565249 | 60.00 | 82.46 | 60.22 | 2.68 |
| 2K09 | BASIN-S8 | 100YR 3DAY | 72.58 | 7.00 | 8.00 | 0.0005 | 1799808 | 60.00 | 216.30 | 120.00 | 4.29 |
| 2K09 | BASIN-S8 | 10 YR -3DAY | 72.67 | 6.13 | 8.00 | 0.0003 | 1380376 | 60.00 | 127.82 | 120.00 | 2.83 |
| 2K09 | BASIN-S8 | 25YR - 3DAY | 72.63 | 6.45 | 8.00 | 0.0004 | 1578260 | 60.00 | 157.57 | 120.00 | 3.39 |
| 2K10 | BASIN-S8 | 100YR_3DAY | 64.27 | 7.01 | 8.00 | 0.0008 | 271658 | 60.00 | 36.01 | 120.00 | 4.52 |
| 2K10 | BASIN-S8 | 10 YR -3DAY | 62.93 | 6.16 | 8.00 | 0.0005 | 194054 | 60.00 | 13.98 | 118.19 | 2.96 |
| 2K10 | BASIN-S8 | 25YR_3DAY | 63.35 | 6.47 | 8.00 | 0.0006 | 2313 r | 60.00 | 20.75 | 120.00 | 3.56 |
| 2 K 11 | BASIN-S8 | 100YR_3DAY | 72.17 | 7.00 | 8.00 | 0.0010 | 15, 67 | ๆ. 00 | 54.72 | 60.28 | 8.59 |
| 2 K 11 | BASIN-S8 | 10YR-3DAY | 72.68 | 6.13 | 8.00 | 0.0006 | 16758 | - 70 | 35.61 | 60.24 | 6.78 |
| 2K11 | BASIN-S8 | 25YR_3DAY | 72.63 | 6.45 | 8.00 | 0.0007 | 124947 | 60 | 42.11 | 60.24 | 7.44 |
| 2 K 12 | BASIN-S8 | 100YR_3DAY | 72.98 | 6.93 | 8.00 | $0.00{ }^{\prime}$ | 1229156 | 60.00 | 215.24 | 64.03 | 23.07 |
| 2 K 12 | BASIN-S8 | $10 \mathrm{YR}=3 \mathrm{DAY}$ | 72.91 | 6.12 | 8.00 | 0.6 | 935.2 | 60.00 | 135.95 | 63.28 | 20.24 |
| 2K12 | BASIN-S8 | 25YR-3DAY | 72.94 | 6.41 | 8.00 | 0.00 | 1 c 254 | 60.00 | 163.12 | 63.55 | 21.30 |
| 2 K 13 | BASIN-S8 | 100YR_3DAY | 62.77 | 7.07 | 8.00 | 0.0011 | 123926 | 60.25 | 287.95 | 61.12 | 22.57 |
| $2 \mathrm{K13}$ | BASIN-S8 | 10 YR -3DAY | 62.25 | 6.24 | 8.00 | 0.0007 | 2175 | 60.25 | 172.75 | 60.66 | 22.82 |
| 2K13 | BASIN-S8 | 25YR_3DAY | 62.47 | 6.55 | 8.0 | $\bigcirc 008$ | ¢. 63 | 60.25 | 212.17 | 60.79 | 22.51 |
| $2 \mathrm{K14}$ | BASIN-S8 | 100YR_3DAY | 63.50 | 6.99 | 8.00 | 0.00 | 8809 | 61.12 | 22.57 | 61.31 | 21.88 |
| $2 \mathrm{K14}$ | BASIN-S8 | 10YR-3DAY | 62.60 | 6.15 | 8.00 | $0 . r$, 6 | 8809 | 60.66 | 22.82 | 60.95 | 21.81 |
| 2K14 | BASIN-S8 | 25YR-3DAY | 62.82 | 6.46 | 8.00 | -. 007 | 8809 | 60.79 | 22.51 | 61.08 | 21.64 |
| 2L09 | BASIN-S8 | 100YR_3DAY | 73.64 | 6 | . 00 | 0004 | 3168228 | 60.50 | 274.39 | 120.00 | 4.79 |
| 2L09 | BASIN-S8 | 10YR_3DAY | 73.39 | 12 | . 00 | - 7002 | 2417914 | 60.50 | 142.89 | 120.00 | 3.55 |
| 2L09 | BASIN-S8 | 25YR_3DAY | 73.44 | 0.42 | 3.00 | $\bigcirc 003$ | 2765030 | 60.50 | 187.38 | 120.00 | 4.05 |
| 2L10 | BASIN-S8 | 100YR_3DAY | 73.47 | 1 | 8.00 | 0.0007 | 8735 | 120.00 | 4.79 | 0.27 |  |
| 2L10 | BASIN-S8 | 10YR_3DAY | 73.34 | 6. | 8.00 | 0.0007 | 8735 | 120.00 | 3.55 | 0.27 | 5.07 |
| 2L10 | BASIN-S8 | 25YR_3DAY | 73 | 6.42 | 8.00 | 0.0005 | 8735 | 120.00 | 4.05 | 0.90 | 6.13 |
| 2 L 11 | BASIN-S8 | 100YR_3DAY | 3.37 | 34 | 8.00 | -0.0028 | 1195043 | 60.42 | 257.09 | 61.17 | 50.51 |
| 2L11 | BASIN-S8 | 10 YR -3DAY | 73.30 | 6 ? | 8.00 | -0.0050 | 757902 | 60.42 | 146.18 | 60.71 | 52.28 |
| 2L11 | BASIN-S8 | 25 YR -3DAY | '3.43 | 6. | 8.00 | -0.0050 | 933274 | 60.42 | 184.69 | 60.94 | 50.16 |
| 2L12 | BASIN-S8 | 100YR_3DAY | $7 . ?$ |  | 8.00 | 0.0005 | 1448737 | 60.50 | 186.48 |  |  |
| 2 L 12 | BASIN-S8 | 10YR-3DAY | 73. | $\ldots 2$ | 8.00 | 0.0003 | 1100760 | 60.00 | 135.80 | 61.92 | 28.12 |
| 2L12 | BASIN-S8 | 25YR_3DAY | 73.64 | . 42 | 8.00 | 0.0004 | 1262672 | 60.50 | 146.99 | 62.40 | 28.01 |
| 2 L 13 | BASIN-S8 | 100YR_3DAY | 100.44 | 6.86 | 8.00 | 0.0007 | 2287215 | 60.00 | 342.83 | 61.80 | 10.69 |
| 2 L 13 | BASIN-S8 | 10YR 3DAY | 97.20 | 6.05 | 8.00 | 0.0003 | 1715189 | 60.00 | 200.22 | 61.33 | 10.69 8.72 |
| 2L13 | BASIN-S8 | 25YR_3DAY | 98.83 | 6.35 | 8.00 | 0.0004 | 1954432 | 60.00 | 248.00 | 61.33 61.49 | 8.72 9.53 |
| 2L14 | BASIN-S8 | 100YR_3DAY | 100.44 | 6.86 | 8.00 | 0.0006 | 1068905 | 60.00 | 162.51 | 60.32 |  |
| 2L14 | BASIN-S8 | 10YR-3DAY | 97.20 | 6.05 | 8.00 | 0.0003 | 809363 | 60.00 | 89.26 | 60.28 | 2.70 |
| 2L14 | BASIN-S8 | 25YR_3DAY | 98.83 | 6.35 | 8.00 | 0.0004 | 924199 | 60.00 | 113.86 | 60.31 | 3.27 |
| 2L15 | BASIN-S8 | 100YR_3DAY | 74.09 | 6.91 | 8.00 | 0.0004 | 8721 | 60.32 | 4.03 | 60.31 | 2.78 |
| 2L15 | BASIN-S8 | 10YR-3DAY | 73.94 | 6.09 | 8.00 | 0.0002 | 8721 | 60.28 | 2.70 | 60.27 | 1.68 |
| 2L15 | BASIN-S8 | 25YR_3DAY | 73.97 | 6.39 | 8.00 | 0.0003 | 8721 | 60.31 | 3.27 | 60.30 | 2.14 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | $\begin{aligned} & \text { Max } \text { Delta } \\ & \text { Stage } \\ & \text { ft } \end{aligned}$ | $\begin{aligned} & \text { Max } \text { Surf } \\ & \text { Area } \\ & \text { ft2 } \end{aligned}$ | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2L18 | BASIN-S8 | 100YR_3DAY | 72.36 | 6.96 | 8.00 | 0.0009 | 1146974 | 60.00 | 263.44 | 60.54 | 22.67 |
| 2L18 | BASIN-S8 | 10YR_3DAY | 72.51 | 6.13 | 8.00 | 0.0005 | 835253 | 60.00 | 168.26 | 60.93 | 15.99 |
| 2L18 | BASIN-S8 | 25YR_3DAY | 72.43 | 6.43 | 8.00 | 0.0006 | 921180 | 60.00 | 200.67 | 60.68 | 18.85 |
| 2L19 | BASIN-S8 | 100YR_3DAY | 72.56 | 6.96 | 8.00 | 0.0007 | 22165 | 60.54 | $22.67^{\circ}$ | 60.75 | 19.65 |
| 2L19 | BASIN-S8 | 10 YR -3DAY | 72.71 | 6.13 | 8.00 | 0.0004 | 18844 | 60.93 | 15.99 | 61.12 | 14.74 |
| 2L19 | BASIN-S8 | 25YR_3DAY | 72.62 | 6.43 | 8.00 | 0.0005 | 20051. | 50.68 | 18.85 | 60.86 | 16.89 |
| 2L20 | BASIN-S8 | 100YR_3DAY | 72.60 | 6.96 | 8.00 | 0.0007 | 22121 | 60.75 | 19.65 | 61.26 | 17.29 |
| 2L20 | BASIN-S8 | 10 YR -3DAY | 72.86 | 6.12 | 8.00 | 0.0003 | $188{ }^{\circ}$ | 61.12 | 14.74 | 61.40 | 13.30 |
| 2I20 | BASIN-S8 | 25 YR _3DAY | 72.71 | 6.43 | 8.00 | 0.0005 | 2 C | 60.86 | 16.89 | 61.32 | 15.01 |
| 2010 | BASIN-S8 | 100YR_3DAY | 78.14 | 5.83 | 7.50 | 0.0016 | 45402 | - 50 | 91.26 | 59.90 | 280.33 |
| 2010 | BASIN-S8 | $10 \mathrm{YR}=3 \mathrm{DAY}$ | 81.08 | 5.34 | 7.50 | 0.0011 | 632011 | 60. | 45.85 | 1.08 | 98.41 |
| 2010 | BASIN-S8 | 25YR_3DAY | 79.04 | 5.54 | 7.50 | -0.003 | 717904 | 60.5 | 60.84 | 60.17 | 280.86 |
| 2011 | BASIN-S8 | 100YR_3DAY | 78.14 | 5.83 | 7.50 | $0 . C \quad 1$ | $110^{-}, 5$ | 59.90 | 356.84 | 63.87 | 19.25 |
| 2011 | BASIN-S8 | 10 YR -3DAY | 81.08 | 5.34 | 7.50 | 0.00 | \% 995 | 1.08 | 98.42 | 63.67 | 12.38 |
| 2011 | BASIN-S8 | 25 YR -3DAY | 79.04 | 5.54 | 7.50 | 0.0005 | 09179 | 60.17 | 340.16 | 63.67 | 14.95 |
| 2012 | BASIN-S8 | 100YR_3DAY | 77.68 | 5.84 | $7.5{ }^{\text {r }}$ | 0.0016 | 9970 | 60.57 | 95.73 | 59.89 | 266.42 |
| 2012 | BASIN-S8 | 10 YR -3DAY | 81.08 | 5.34 | 7.5 | ${ }^{1} 012$ | 6. 29 | 60.74 | 46.74 | 1.08 | 95.17 |
| 2012 | BASIN-S8 | 25YR_3DAY | 78.89 | 5.54 | 7.56 | -0. | 718. 6 | 60.67 | 61.87 | 60.35 | 281.58 |
| 2013 | BASIN-S8 | 100YR_3DAY | 77.69 | 5.84 | 7.50 | 0.1 J4 | + 33317 | 59.89 | 390.80 | 62.82 | 47.48 |
| 2013 | BASIN-S8 | 10 YR -3DAY | 81.07 | 5.34 | 7.50 | r. 003 | 1471521 | 60.90 | 97.09 | 63.28 | 29.60 |
| 2013 | BASIN-S8 | $25 \mathrm{YR}_{-}^{-3 D A Y}$ | 78.89 | 5.5 | 7.50 | . 0004 | 1627246 | 60.35 | 396.73 | 62.92 | 36.01 |
| 2014 | BASIN-S8 | 100YR_3DAY | 77.61 | 34 | . 50 | 7004 | 753886 | 60.75 | 105.14 | 61.80 | 58.03 |
| 2014 | BASIN-S8 | 10 YR -3DAY | 81.09 | 0.34 | 1.50 | 0003 | 560928 | 61.21 | 48.90 | 62.71 | 35.57 |
| 2014 | BASIN-S8 | 25 YR _3DAY | 78.86 | 54. |  | n. 0004 | 637490 | 60.88 | 70.29 | 62.43 | 43.55 |
| 2015 | BASIN-S8 | 100YR_3DAY | 77.59 | 5. | 7.50 | 0.0005 | 818391 | 60.50 | 91.26 | 59.82 |  |
| 2015 | BASIN-S8 | 10YR-3DAY | 81 | 5.34 | 7.50 | 0.0004 | 598637 | 60.50 | 45.85 | 60.51 | 44.06 |
| 2015 | BASIN-S8 | 25YR_3DAY | ¢4 | . 54 | 7.50 | 0.0005 | 685535 | 60.50 | 60.84 | 60.19 | 44.85 |
| 3L16 | BASIN-S8 | 100 YR 3DAY | 74.89 |  | 8.00 | 0.0016 | 641940 | 60.17 | 78.15 | 58.54 | 5.57 |
| 3L16 | BASIN-S8 | 10 YR -3DAY | '3.85 | 6. | 8.00 | 0.0016 | 469099 | 60.25 | 39.41 | 60.20 | 12.21 |
| 3L16 | BASIN-S8 | 25YR_3DAY | 33 | 6. | 8.00 | 0.0016 | 549418 | 60.25 | 52.15 | 59.88 | 9.58 |
| 3 L 17 | BASIN-S8 | 100YR_3DAY | 74. | 92 | 8.00 | 0.0048 | 641967 | 60.25 | 81.52 |  |  |
| 3 L 17 | BASIN-S8 | 10YR_3DAY | 73.84 | ง. 12 | 8.00 | 0.0048 | 469124 | 60.25 | 51.54 | 60.04 | 24.85 |
| 3L17 | BASIN-S8 | 25YR_3DAY | 74.33 | 6.41 | 8.00 | 0.0048 | 549445 | 60.25 | 61.25 | 59.86 | 19.51 |
| B1-1 | BASIN-S8 | 100 YR _3DAY | 106.80 | 5.53 | 7.50 | 0.0002 | 584946 | 59.92 | 24.54 | 120.00 | 8.33 |
| B1-1 | BASIN-S8 | 10 YR -3DAY | 116.83 | 4.88 | 7.50 | 0.0001 | 472630 | 59.92 | 15.42 | 120.00 | 4.23 |
| B1-1 | BASIN-S8 | 25 YR _3DAY | 112.51 | 5.10 | 7.50 | 0.0001 | 516181 | 59.92 | 18.31 | 120.00 | 5.76 |
| B1-2 | BASIN-S8 | 100 YR _3DAY | 106.88 | 5.53 | 7.50 | 0.0002 | 198062 | 120.00 | 7.27 | 120.00 |  |
| B1-2 | BASIN-S8 | 10 YR -3DAY | 116.92 | 4.88 | 7.50 | 0.0001 | 160462 | 59.92 | 4.97 | 120.00 | 3.83 |
| B1-2 | BASIN-S8 | 25YR_3DAY | 112.60 | 5.10 | 7.50 | 0.0001 | 175027 | 59.92 | 5.67 | 120.00 | 5.19 |
| B1-3 | BASIN-S8 | 100YR_3DAY | 109.01 | 5.55 | 7.50 | 0.0002 | 1178390 | 60.00 | 50.26 | 120.00 | 7.22 |
| B1-3 | BASIN-S8 | 10YR_3DAY | 118.69 | 4.89 | 7.50 | 0.0001 | 949250 | 60.00 | 32.03 | 120.00 | 3.76 |
| B1-3 | BASIN-S8 | 25YR_3DAY | 114.50 | 5.11 | 7.50 | 0.0001 | 1036904 | 59.94 | 38.11 | 120.00 | 5.06 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPORT
BASIN S-8 MAX STAGE REPORT TABLE II-G-7

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | Inflow cfs | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B1-4 | BASIN-S8 | 100YR_3DAY | 109.15 | 5.55 | 7.50 | 0.0002 | 1051975 | 60.00 | 46.81 | 120.00 | 5.23 |
| B1-4 | BASIN-S8 | 10YR-3DAY | 118.91 | 4.89 | 7.50 | 0.0001 | 847935 | 60.00 | 29.65 | 120.00 | 2.73 |
| B1-4 | BASIN-S8 | 25YR_3DAY | 114.69 | 5.11 | 7.50 | 0.0001 | 925901 | 60.00 | 35.24 | 120.00 | 3.67 |
| B1-5 | BASIN-S8 | 100YR_3DAY | 109.61 | 5.56 | 7.50 | 0.0002 | 1015337 | 60.00 | 46.07 | 120.00 | 3.44 |
| B1-5 | BASIN-S8 | 10 YR -3DAY | 119.28 | 4.89 | 7.50 | 0.0001 | 813403 | 50.00 | 28.89 | 120.00 | 1.80 |
| B1-5 | BASIN-S8 | 25YR_3DAY | 115.09 | 5.11 | 7.50 | 0.0001 | 890481 | 60.00 | 34.47 | 120.00 | 2.42 |
| B1-6 | BASIN-S8 | 100YR_3DAY | 109.67 | 5.56 | 7.50 | 0.0002 | 10155' | 60.00 | 45.35 | 120.00 | 1.71 |
| B1-6 | BASIN-S8 | 10 YR -3DAY | 119.33 | 4.89 | 7.50 | 0.0001 | 81.3 | 59.92 | 28.18 | 120.00 | 0.89 |
| B1-6 | BASIN-S8 | 25 YR -3DAY | 115.14 | 5.11 | 7.50 | 0.0001 | 85 373 | 7.92 | 33.73 | 120.00 | 1.20 |
| B2-0 | BASIN-S8 | 100YR_3DAY | 77.61 | 5.50 | 7.50 | 0.0003 | 294530 |  | 14.64 | 101.85 | 15.11 |
| B2-0 | BASIN-S8 | 10 YR -3DAY | 83.36 | 4.98 | 7.50 | 0.0001 | 252539 | 120.6 | 7.05 | 120.00 | 7.35 |
| B2-0 | BASIN-S8 | 25YR_3DAY | 81.00 | 5.17 | 7.50 | $0.00{ }^{\prime}$ | 267816 | 119.22 | 9.51 | 119.50 | 9.92 |
| B2-1 | BASIN-S8 | 100YR_3DAY | 78.62 | 5.48 | 7.50 | 0.00 | - 866 | 60.00 | 13.82 | 80.01 | 3.41 |
| B2-1 | BASIN-S8 | 10YR-3DAY | 84.01 | 4.97 | 7.50 | 0.000 | ง3200 | 60.00 | 8.16 | 90.01 | 2.17 |
| B2-1 | BASIN-S8 | 25YR_3DAY | 81.67 | 5.15 | 7.50 | 0.0002 | 2.79640 | 60.00 | 9.93 | 87.32 | 2.56 |
| B2-2 | BASIN-S8 | 100YR_3DAY | 79.02 | 5.47 | 7.5 | n003 | - 85 | 76.05 | 20.75 | 77.66 | 16.58 |
| B2-2 | BASIN-S8 | $10 \mathrm{YR}{ }^{\text {- }}$ 3DAY | 84.56 | 4.95 | 7.56 |  | $25 \% 9$ | 78.20 | 16.03 | 80.68 | 14.17 |
| B2-2 | BASIN-S8 | 25YR_3DAY | 82.30 | 5.13 | 7.50 | 0.00 | 275875 | 76.52 | 18.51 | 79.00 | 15.77 |
| B2-3 | BASIN-S8 | 100YR_3DAY | 84.25 | 5.43 | 7.50 | - 004 | 286239 | 60.00 | 46.47 | 60.25 | 21.79 |
| B2-3 | BASIN-S8 | 10YR-3DAY | 89.45 | $4.8{ }^{\prime}$ | 7.50 | . 0002 | 235156 | 60.00 | 23.46 | 81.62 | 12.40 |
| B2-3 | BASIN-S8 | 25YR_3DAY | 86.83 | 5 | . 50 | 0003 | 257293 | 60.00 | 30.98 | 60.22 | 15.34 |
| B2-4 | BASIN-S8 | 100YR_3DAY | 85.86 | $\bigcirc .43$ | 1.50 | C 003 | 472576 | 60.00 | 39.77 | 60.91 | 11.94 |
| B2-4 | BASIN-S8 | 10 YR -3DAY | 90.40 | 85 |  | n. 0002 | 385868 | 60.00 | 23.00 | 82.76 | 11.26 |
| B2-4 | BASIN-S8 | 25YR_3DAY | 87.69 |  | 7.50 | 0.0002 | 423376 | 60.00 | 28.67 | 80.41 | 11.93 |
| B3-0 | BASIN-S8 | 100 YR 3DAY | 79 | 5.4) | 7.50 | 0.0002 | 783047 | 59.92 | 30.41 | 96.28 | 15.81 |
| B3-0 | BASIN-S8 | 10YR 3DAY | ¢ 35 | . 93 | 7.50 | 0.0001 | 656161 | 59.92 | 19.37 | 115.97 | 7.42 |
| B3-0 | BASIN-S8 | 25YR_3DAY | 4.07 | 1.3 | 7.50 | 0.0002 | 706411 | 59.92 | 22.93 | 112.15 | 10.03 |
| B3-1 | BASIN-S8 | 100YR_3DAY | 7.12 | 5. | 7.50 | 0.0002 | 969388 | 60.00 | 40.54 | 98.89 | 12.20 |
| B3-1 | BASIN-S8 | 10 YR -3DAY | 32 | 4. | 7.50 | 0.0001 | 796864 | 59.92 | 25.04 | 119.62 | 5.71 |
| B3-1 | BASIN-S8 | 25YR_3DAY | 8. 4 |  | 7.50 | 0.0001 | 866478 | 59.92 | 30.04 | 114.25 | 7.73 |
| B3-2 | BASIN-S8 | 100YR_3DAY | 87.5 L | , 49 | 7.50 | 0.0002 | 250766 | 60.00 | 9.82 | 107.86 | 7.42 |
| B3-2 | BASIN-S8 | 10YR-3DAY | 97.37 | 4.89 | 7.50 | 0.0001 | 207160 | 59.92 | 5.81 | 120.00 | 3.50 |
| B3-2 | BASIN-S8 | 25YR_3DAY | 88.53 | 5.09 | 7.50 | 0.0001 | 224332 | 59.92 | 7.07 | 120.00 | 4.84 |
| B3-3 | BASIN-S8 | 100YR_3DAY | 87.80 | 5.49 | 7.50 | 0.0002 | 250844 | 60.00 | 12.84 | 120.00 | 10.81 |
| B3-3 | BASIN-S8 | 10YR 3 DAY | 97.38 | 4.89 | 7.50 | 0.0001 | 207176 | 60.00 | 8.23 | 120.00 | 5.86 |
| B3-3 | BASIN-S8 | 25YR-3DAY | 91.41 | 5.09 | 7.50 | 0.0001 | 224349 | 60.00 | 9.69 | 120.00 | 7.87 |
| B3-3A | BASIN-S8 | 100YR 3DAY | 88.48 | 5.50 | 7.50 | -0.0008 | 5803 | 79.97 | 4.56 | 80.00 | 4.51 |
| B3-3A | BASIN-S8 | 10YR-3DAY | 98.39 | 4.90 | 7.50 | 0.0009 | 4072 | 84.95 | 3.87 | 84.97 | 3.84 |
| B3-3A | BASIN-S8 | 25YR_3DAY | 93.48 | 5.10 | 7.50 | 0.0012 | 4653 | 83.15 | 4.36 | 83.17 | 4.33 |
| B3-4 | BASIN-S8 | 100YR_3DAY | 87.96 | 5.49 | 7.50 | 0.0002 | 251392 | 60.00 | 11.31 | 99.74 | 1.84 |
| B3-4 | BASIN-S8 | 10YR_3DAY | 97.44 | 4.89 | 7.50 | 0.0001 | 207682 | 59.92 | 6.50 | 117.82 | 0.90 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPORT
TABLE II-G-7


SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | $\begin{array}{r} \text { Warning } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | $\begin{array}{r} \text { Max } \begin{array}{c} \text { Delta } \\ \text { Stage } \\ \mathrm{ft} \end{array} \end{array}$ |  | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B5-3 | BASIN-S8 | 10YR_3DAY | 98.79 | 4.91 | 7.50 | 0.0001 | 410777 | 60.00 | 12.79 | 101.32 | 4.13 |  |
| B5-3 | BASIN-S8 | 25YR_3DAY | 94.44 | 5.11 | 7.50 | 0.0001 | 437971 | 60.00 | 15.57 | 95.29 | 5.70 |  |
| B5-4 | BASIN-S8 | 100YR_3DAY | 94.33 | 5.55 | 7.50 | 0.0002 | 759312 | 60.00 | 34.66 | 115.89 | 3.12 |  |
| B5-4 | BASIN-S8 | 10YR_3DAY | 104.92 | 4.91 | 7.50 | 0.0001 | 617285 | 59.92 | 21.29 | 120.00 | 1.53 |  |
| B5-4 | BASIN-S8 | 25YR_3DAY | 99.56 | 5.13 | 7.50 | 0.0002 | 671123 | 60.00 | 25.58 | 119.65 | 2.06 |  |
| B5-4A | BASIN-S8 | 100YR_3DAY | 90.20 | 5.51 | 7.50 | 0.0002 | 5843 | 15.89 | 3.12 | 115.88 | 3.14 |  |
| B5-4A | BASIN-S8 | 10YR_3DAY | 101.01 | 4.90 | 7.50 | 0.0001 | 4100 | 120.00 | 1.53 | 120.00 | 1.54 |  |
| B5-4A | BASIN-S8 | 25YR_3DAY | 95.84 | 5.11 | 7.50 | 0.0001 | $46^{\circ}$ | 119.65 | 2.06 | 119.68 | 2.08 |  |
| B6-0 | BASIN-S8 | 100YR_3DAY | 87.51 | 5.49 | 7.50 | 0.0002 | $75 \quad 09$ | Э. 00 | 35.83 | 100.78 | 13.80 |  |
| B6-0 | BASIN-S8 | 10 YR -3DAY | 98.22 | 4.91 | 7.50 | 0.0001 | -57694 | - 98 | 21.71 | 115.88 | 7.20 |  |
| B6-0 | BASIN-S8 | 25YR_3DAY | 93.23 | 5.10 | 7.50 | 0.0001 | 109661 | 60 | 26.22 | 112.93 | 9.50 |  |
| B6-1 | BASIN-S8 | 100 YR _3DAY | 87.84 | 5.50 | 7.50 | $0.00{ }^{\prime}$ | 793770 | 60.00 | 37.01 | 104.83 | 9.98 |  |
| B6-1 | BASIN-S8 | 10 YR -3DAY | 98.54 | 4.91 | 7.50 | 0.6 | $65^{-} 4$ | 59.98 | 22.18 | 118.93 | 5.27 |  |
| B6-1 | BASIN-S8 | 25YR_3DAY | 93.52 | 5.11 | 7.50 | 0.00 | 7944 | 59.97 | 26.91 | 115.05 | 6.96 |  |
| B6-2 | BASIN-S8 | 100YR_3DAY | 88.22 | 5.50 | 7.50 | 0.0002 | 187294 | 59.95 | 13.21 | 67.07 | 6.75 |  |
| B6-2 | BASIN-S8 | 10 YR -3DAY | 98.57 | 4.91 | $7.5 r$ | 0.0001 | 3987 | 78.70 | 5.78 | 78.77 | 4.75 |  |
| B6-2 | BASIN-S8 | 25 YR -3DAY | 93.82 | 5.11 | 7.5 | n001 | $1{ }^{54}$ | 75.46 | 6.44 | 75.55 | 5.03 |  |
| B6-3 | BASIN-S8 | 100YR_3DAY | 88.85 | 5.50 | 7.50 | 0.00 | $\bigcirc 06667$ | 60.00 | 14.20 | 90.54 | 8.24 | s |
| B6-3 | BASIN-S8 | 10YR_3DAY | 98.39 | 4.91 | 7.50 | $0 . r$ J1 | 1576 | 59.97 | 7.62 | 59.95 | 5.75 | $\delta$ |
| B6-3 | BASIN-S8 | 25 YR - 3 DAY | 94.17 | 5.11 | 7.50 | ¢, 001 | 184948 | 59.97 | 9.36 | 93.72 | 6.25 |  |
| B6-3A | BASIN-S8 | 100YR_3DAY | 88.68 | 5 |  | 0036 | 5822 | 70.55 | 5.96 | 70.55 | 5.89 |  |
| B6-3A | BASIN-S8 | 10 YR -3DAY | 98.60 | 91 | . 50 | - 7027 | 4099 | 80.14 | 5.23 | 80.14 | 5.20 |  |
| B6-3A | BASIN-S8 | 25YR_3DAY | 94.02 | 0.11 | 1.50 | -0 027 | 4678 | 77.31 | 5.56 | 77.31 | 5.52 |  |
| B6-4 | BASIN-S8 | 100YR_3DAY | 91.85 | - 1 | 7.50 | 0.0002 | 376018 | 60.00 | 18.42 | 115.93 | 1.44 |  |
| B6-4 | BASIN-S8 | 10 YR -3DAY | 100.38 | 4. | 7.50 | 0.0001 | 308531 | 60.00 | 10.88 | 120.00 | 0.73 |  |
| B6-4 | BASIN-S8 | 25 YR -3DAY | 96 | 5.11 | 7.50 | 0.0002 | 334250 | 60.00 | 13.24 | 120.00 | 0.97 |  |
| B6-4A | BASIN-S8 | 100YR_3DAY | J. 18 | 51 | 7.50 | 0.0002 | 5829 | 115.93 | 1.44 | 115.90 |  |  |
| B6-4A | BASIN-S8 | 10YR_3DAY | 99.61 | 41 | 7.50 | 0.0001 | 4123 | 120.00 | 0.73 | 120.00 | 0.74 |  |
| B6-4A | BASIN-S8 | 25 YR -3DAY | 75.23 | 5. | 7.50 | 0.0002 | 4699 | 120.00 | 0.97 | 120.00 | 0.98 |  |
| B6-4B | BASIN-S8 | 100YR_3DAY | 8. 9 | 5 J | 7.50 | 0.0003 | 5822 | 115.90 | 1.46 | 115.53 | 1.48 |  |
| B6-4B | BASIN-S8 | 10 YR -3DAY | 98. | 91 | 7.50 | 0.0003 | 4119 | 120.00 | 0.74 | 120.00 | 0.75 |  |
| B6-4B | BASIN-S8 | 25YR_3DAY | 94.21 | J. 11 | 7.50 | 0.0003 | 4693 | 120.00 | 0.98 | 120.00 | 1.00 |  |
| B7-0 | BASIN-S8 | 100 YR 3DAY | 87.05 | 5.52 | 7.50 | 0.0002 | 315560 | 60.00 | 14.73 | 108.76 |  |  |
| B7-0 | BASIN-S8 | 10 YR -3DAY | 97.57 | 4.92 | 7.50 | 0.0001 | 261723 | 60.00 | 8.92 | 118.50 | 6.18 |  |
| B7-0 | BASIN-S8 | 25YR-3DAY | 92.40 | 5.12 | 7.50 | 0.0001 | 282082 | 60.00 | 10.78 | 118.85 | 7.95 |  |
| B7-1 | BASIN-S8 | 100YR_3DAY | 87.86 | 5.53 | 7.50 | 0.0002 | 881846 | 60.00 | 40.42 | 110.61 | 9.16 |  |
| B7-1 | BASIN-S8 | 10YR_3DAY | 97.87 | 4.92 | 7.50 | 0.0001 | 725944 | 59.92 | 24.33 | 120.00 | 5.50 |  |
| B7-1 | BASIN-S8 | 25YR_3DAY | 92.89 | 5.12 | 7.50 | 0.0001 | 785038 | 60.00 | 29.49 | 120.00 | 7.04 |  |
| B7-2 | BASIN-S8 | 100YR_3DAY | 87.99 | 5.53 | 7.50 | 0.0002 | 298389 | 60.00 | 15.83 | 66.43 | 6.05 |  |
| B7-2 | BASIN-S8 | 10YR_3DAY | 97.95 | 4.92 | 7.50 | 0.0001 | 246659 | 60.00 | 8.75 | 78.52 | 3.64 |  |
| B7-2 | BASIN-S8 | 25 YR -3DAY | 92.99 | 5.12 | 7.50 | 0.0001 | 266274 | 60.00 | 10.97 | 120.00 | 4.16 |  |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPORT
TABLE II-G-7

| Name | Group | Simulation | Max Time Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Warning Stage ft | Max Delta <br> Stage ft | $\begin{aligned} & \text { Max } \text { Surf } \\ & \text { Area } \\ & \text { ft2 } \end{aligned}$ | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B7-3 | BASIN-S8 | 100YR_3DAY | 88.12 | 5.53 | 7.50 | 0.0002 | 581338 | 60.00 | 28.16 | 65.69 | 6.07 |
| B7-3 | BASIN-S8 | 10YR-3DAY | 98.05 | 4.92 | 7.50 | 0.0001 | 478641 | 60.00 | 16.12 | 81.76 | 4.19 |
| B7-3 | BASIN-S8 | 25YR_3DAY | 93.12 | 5.12 | 7.50 | 0.0001 | 517609 | 60.00 | 19.90 | 79.80 | 4.72 |
| B7-4 | BASIN-S8 | 100YR_3DAY | 88.23 | 5.53 | 7.50 | 0.0002 | 326468 | 60.00 | 13.94 | 97.77 | 1.37 |
| B7-4 | BASIN-S8 | 10YR_3DAY | 98.11 | 4.92 | 7.50 | 0.0001 | 267878 | 60.00 | 8.19 | 109.17 | 0.69 |
| B7-4 | BASIN-S8 | 25YR_3DAY | 93.20 | 5.12 | 7.50 | 0.0001 | 289802 | 50.00 | 9.98 | 113.85 | 0.90 |
| B7-4A | BASIN-S8 | 100YR_3DAY | 88.21 | 5.53 | 7.50 | 0.0002 | 4933. | 97.77 | 1.37 | 98.13 | 1.52 |
| B7-4A | BASIN-S8 | $10 \mathrm{YR}-3 \mathrm{DAY}$ | 98.09 | 4.92 | 7.50 | 0.0001 | 399 | 109.17 | 0.69 | 109.20 | 0.77 |
| B7-4A | BASIN-S8 | 25 YR -3DAY | 93.18 | 5.12 | 7.50 | 0.0001 | $4^{\sim}$ - 6 | 113.85 | 0.90 | 114.34 | 1.01 |
| B8-0 | BASIN-S8 | 100YR_3DAY | 87.55 | 5.52 | 7.50 | 0.0005 | ${ }^{1} 09139$ | 00 | 38.03 | 108.89 | 11.40 |
| B8-0 | BASIN-S8 | 10YR_3DAY | 97.80 | 4.92 | 7.50 | 0.0003 | 339013 | 6 l | 19.10 | 118.19 | 6.59 |
| B8-0 | BASIN-S8 | 25YR_3DAY | 86.78 | 5.13 | 7.50 | $0.000{ }^{\circ}$ | 366429 | 60.1 | 25.01 | 118.83 | 8.55 |
| B8-1 | BASIN-S8 | 100 YR 3DAY | 87.68 | 5.52 | 7.50 | 0.13 | $53^{-}$-4 | 59.83 | 14.51 | 109.14 | 9.95 |
| B8-1 | BASIN-S8 | 10YR 3DAY | 97.87 | 4.92 | 7.50 | 0.04 | , . 035 | 59.83 | 9.97 | 118.52 | 5.86 |
| B8-1 | BASIN-S8 | 25YR_3DAY | 87.69 | 5.13 | 7.50 | 0.000 | 18382 | 59.83 | 11.39 | 119.12 | 7.53 |
| B8-2 | BASIN-S8 | 100YR_3DAY | 88.02 | 5.53 | $7.5 r$ | 0.0002 | '3005 | 59.92 | 17.35 | 112.58 | 7.66 |
| B8-2 | BASIN-S8 | 10 YR -3DAY | 98.02 | 4.92 | 7.2 | - 0001 | \& 176 | 59.92 | 11.59 | 120.00 | 4.66 |
| B8-2 | BASIN-S8 | 25 YR -3DAY | 93.12 | 5.12 | 7.51 |  | 46. 5 | 59.92 | 13.39 | 120.00 | 5.96 |
| B8-3 | BASIN-S8 | 100YR_3DAY | 88.06 | 5.53 | 7.50 | 0.1 J2 | J9961 | 60.00 | 10.05 | 66.37 | 1.09 |
| B8-3 | BASIN-S8 | 10 YR -3DAY | 98.03 | 4.92 | 7.50 | r. 0001 | 174481 | 60.00 | 5.63 | 98.76 | 0.48 |
| B8-3 | BASIN-S8 | 25 YR -3DAY | 93.12 | 5.1 | 7.50 | . 0001 | 187894 | 60.00 | 6.97 | 114.25 | 0.55 |
| BC1-01 | BASIN-S8 | 100YR_3DAY | 77.51 | 92 | . 50 | 0004 | 123555 | 65.64 | 372.78 | 66.14 | 372.61 |
| BC1-01 | BASIN-S8 | $10 \mathrm{YR}-3 \mathrm{DAY}$ | 78.81 | 0.34 | 7.50 | ( 004 | 102110 | 64.96 | 283.40 | 65.13 | 283.30 |
| BC1-01 | BASIN-S8 | $25 \mathrm{YR}^{-} 3 \mathrm{DAY}$ | 78.80 | . 56 |  | n. 0010 | 110113 | 65.29 | 319.07 | 65.69 | 318.98 |
| BC1-02 | BASIN-S8 | 100YR_3DAY | 77.51 | 5. | 7.50 | -0.0005 | 123340 |  |  |  | 373.30 |
| BC1-02 | BASIN-S8 | 10 YR -3DAY | 79 | 5.3. | 7.50 | -0.0005 | 101999 | 65.14 | 283.84 | 65.33 | 283.77 |
| BC1-02 | BASIN-S8 | 25 YR - 3 DAY | - 00 | 5.55 | 7.50 | -0.0013 | 109964 | 65.69 | 319.62 | 65.91 | 319.56 |
| BC1-03 | BASIN-S8 | 100YR_3DAY | 77.50 | $\llcorner 0$ | 7.50 | 0.0005 | 122969 | 66.35 | 374.13 | 66.47 | 374.00 |
| BC1-03 | BASIN-S8 | 10 YR -3DAY | 79.53 | 5. 1 | 7.50 | 0.0005 | 101938 | 65.33 | 284.32 | 65.48 | 284.27 |
| BC1-03 | BASIN-S8 | 25 YR -3DAY | 80 |  | 7.50 | 0.0011 | 109800 | 65.91 | 320.20 | 66.06 | 320.15 |
| BCI-04 | BASIN-S8 | 100YR_3DAY | 77. | 90 | 7.50 | 0.0005 | 161949 |  |  | 66.57 | 374.65 |
| BCI-04 | BASIN-S8 | 10 YR -3DAY | 79.7 | J. 34 | 7.50 | 0.0003 | 139770 | 65.48 | 284.82 | 65.63 | 284.77 |
| BC1-04 | BASIN-S8 | 25YR_3DAY | 78.80 | 5.55 | 7.50 | -0.0004 | 148060 | 66.06 | 320.79 | 66.22 | 320.74 |
| BCI-05 | BASIN-S8 | 100YR_3DAY | 77.50 | 5.90 | 7.50 | -0.0004 | 161791 | 68.00 | 362.72 | 68.07 | 362.55 |
| BC1-05 | BASIN-S8 | 10YR-3DAY | 80.02 | 5.34 | 7.50 | 0.0003 | 139740 | 65.82 | 274.77 | 65.93 | 274.76 |
| BC1-05 | BASIN-S8 | 25 YR -3DAY | 78.80 | 5.55 | 7.50 | 0.0003 | 147981 | 66.86 | 309.53 | 66.86 | 309.51 |
| BC1-06 | BASIN-S8 | 100YR_3DAY | 77.50 | 5.89 | 7.50 | -0.0006 | 161723 | 68.00 | 476.61 | 68.12 |  |
| BC1-06 | BASIN-S8 | 10YR 3DAY | 80.12 | 5.34 | 7.50 | 0.0002 | 139754 | 65.59 | 363.45 | 65.69 | 363.42 |
| BC1-06 | BASIN-S8 | 25YR_3DAY | 78.80 | 5.54 | 7.50 | -0.0004 | 147954 | 66.50 | 406.70 | 66.60 | 406.67 |
| BC1-07 | BASIN-S8 | 100YR_3DAY | 77.50 | 5.89 | 7.50 | -0.0008 | 161674 | 90.01 | 483.39 | 90.00 | 485.22 |
| BC1-07 | BASIN-S8 | 10 YR -3DAY | 81.08 | 5.34 | 7.50 | 0.0002 | 139718 | 65.87 | 355.77 | 65.95 | 355.76 |
| BC1-07 | BASIN-S8 | 25YR-3DAY | 78.80 | 5.54 | 7.50 | 0.0005 | 147933 | 66.86 | 398.70 | 66.86 | 398.67 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | Max Delta <br> Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BC1-08 | BASIN-S8 | 100YR_3DAY | 77.50 | 5.89 | 7.50 | -0.0014 | 161693 | 90.00 | 485.22 | 77.58 | 657.52 |
| BC1-08 | BASIN-S8 | 10 YR -3DAY | 80.14 | 5.34 | 7.50 | -0.0008 | 139729 | 65.95 | 356.31 | 66.01 | 356.31 |
| BC1-08 | BASIN-S8 | 25YR-3DAY | 78.80 | 5.54 | 7.50 | -0.0006 | 147902 | 66.86 | 399.32 | 66.86 | 399.30 |
| BC1-09 | BASIN-S8 | 100YR_3DAY | 77.50 | 5.89 | 7.50 | -0.0802 | 122538 | 77.58 | 657.52 | 77.58 | 38675.00 |
| BC1-09 | BASIN-S8 | 10YR-3DAY | 80.14 | 5.34 | 7.50 | -0.0050 | 101838 | 36.01 | 356.86 | 81.09 | 858.07 |
| BC1-09 | BASIN-S8 | $25 \mathrm{YR}{ }^{-3 \mathrm{~B} A Y}$ | 78.80 | 5.54 | 7.50 | -0.0391 | 109579 | 66.86 | 399.94 | 78.80 | 34302.35 |
| BC1-10 | BASIN-S8 | 100YR_3DAY | 75.00 | 6.00 | 7.50 | 0.3000 |  | 77.58 | 38675.00 | 0.00 | 0.00 |
| BC1-10 | BASIN-S8 | 10 YR -3DAY | 75.00 | 6.00 | 7.50 | 0.3000 |  | 81.09 | 858.07 | 0.00 | 0.00 |
| BC1-10 | BASIN-S8 | 25YR_3DAY | 75.00 | 6.00 | 7.50 | 0.3000 | 0 | 9.80 | 34302.35 | 0.00 | 0.00 |
| BC2-01 | BASIN-S8 | 100YR_3DAY | 88.41 | 5.52 | 7.50 | 0.0002 | 754139 | 66 | 34.76 | 94.39 | 4.44 |
| BC2-01 | BASIN-S8 | 10 YR -3DAY | 98.29 | 4.92 | 7.50 | $0.000^{-}$ | 618339 | 59. | 21.31 | 103.54 | 2.22 |
| BC2-01 | BASIN-S8 | 25YR_3DAY | 93.46 | 5.12 | 7.50 | $0.0 r$ | 669 ค2 | 60.00 | 25.62 | 99.96 | 2.93 |
| BC2-02 | BASIN-S8 | 100YR_3DAY | 88.76 | 5.51 | 7.50 | 0.04 | J110 | 60.00 | 20.42 | 88.20 | 7.53 |
| BC2-02 | BASIN-S8 | 10YR-3DAY | 98.39 | 4.91 | 7.50 | 0.000 | , 08679 | 60.00 | 12.15 | 98.42 | 4.45 |
| BC2-02 | BASIN-S8 | 25YR_3DAY | 93.80 | 5.11 | 7.50 | 0.0001 | 334382 | 60.00 | 14.81 | 92.77 | 4.95 5.97 |
| BC2-03 | BASIN-S8 | 100YR_3DAY | 88.09 | 5.48 | $7 . 亡$ | 0002 | 1 '88 | 60.00 | 36.08 | 120.00 | 8.33 |
| BC2-03 | BASIN-S8 | 10YR-3DAY | 97.51 | 4.88 | 7.51 |  | 60, 44 | 60.00 | 22.48 | 120.00 | 4.53 |
| BC2-03 | BASIN-S8 | 25YR-3DAY | 90.95 | 5.09 | 7.50 | 0.0 r | - 62932 | 60.00 | 26.86 | 120.00 | 6.09 |
| BC2-04 | BASIN-S8 | 100YR_3DAY | 93.98 | 5.46 | 7.50 | J002 | 673649 | 60.00 | 34.66 | 120.00 | 5.80 |
| BC2-04 | BASIN-S8 | 10 YR -3DAY | 108.59 | 4.8 | 7.50 | . 0001 | 550289 | 60.00 | 21.29 | 120.00 | 3.10 |
| BC2~04 | BASIN-S8 | 25YR_3DAY | 102.48 |  | $\bigcirc .50$ | . 0002 | 600122 | 60.00 | 21.29 25.61 | 120.00 | 3.10 4.23 |
| BC2-04A | BASIN-S8 | 100YR_3DAY | 91.52 | 5.47 | 7.50 | ( 050 | 5714 | 120.00 | 5.80 | 120.00 | 5.81 |
| BC2-04A | BASIN-S8 | 10YR-3DAY | 106.68 | 86 |  | 0.0043 | 3962 | 120.00 | 3.10 | 120.00 | 3.11 |
| BC2-04A | BASIN-S8 | 25YR_3DAY | 89.78 |  | 7.50 | 0.0050 | 4560 | 120.00 | 4.23 | 120.00 | 4.24 |
| BC2-05 | BASIN-S8 | 100YR_3DAY | 90 | $5.4 t$ | 7.50 | 0.0002 | 568434 | 59.95 | 24.44 |  |  |
| BC2-05 | BASIN-S8 | 10 YR -3DAY | 1. .96 | . 86 | 7.50 | 0.0001 | 463019 | 59.92 | 15.11 | 120.00 | 7.23 |
| BC2-05 | BASIN-S8 | 25 YR -3DAY | 3.00 | 76 | 7.50 | 0.0002 | 505582 | 59.92 | 18.08 | 120.00 | 9.92 |
| BC2-06 | BASIN-S8 | 100YR_3DAY | $\bigcirc 1.25$ | 5. ) | 7.50 | 0.0002 | 572374 | 59.95 | 24.49 | 120.00 | 13.00 |
| BC2-06 | BASIN-S8 | 10 YR -3DAY | + 52 | 4.1 | 7.50 | 0.0001 | 463457 | 59.92 | 15.10 | 120.00 | 6.47 |
| BC2-06 | BASIN-S8 | 25 YR - 3 DAY |  | 58 | 7.50 | 0.0001 | 506569 | 59.92 | 18.09 | 120.00 | 8.91 |
| BC2-07 | BASIN-S8 | 100YR_3DAY | 101.75 | 0.50 | 7.50 | 0.0002 | 572821 | 59.92 |  |  |  |
| BC2-07 | BASIN-S8 | 10YR-3DAY | 113.09 | 4.87 | 7.50 | 0.0001 | 463736 | 59.92 | 15.07 | 120.00 | 11.90 5.93 |
| BC2-07 | BASIN-S8 | 25YR_3DAY | 108.28 | 5.08 | 7.50 | 0.0001 | 506850 | 59.92 | 18.07 | 120.00 | 8.16 |
| BC2-08 | BASIN-S8 | 100YR_3DAY | 103.72 | 5.51 | 7.50 | 0.0002 | 751637 | 60.00 | 32.04 | 120.00 | 10.83 |
| BC2-08 | BASIN-S8 | 10YR-3DAY | 114.54 | 4.87 | 7.50 | 0.0001 | 605197 | 59.92 | 19.42 | 120.00 | 5.41 |
| BC2-08 | BASIN-S8 | $25 \mathrm{YR}-3 \mathrm{DAY}$ | 109.92 | 5.09 | 7.50 | 0.0001 | 662695 | 59.92 | 23.40 | 120.00 | 7.44 |
| BC2-09 | BASIN-S8 | 100YR_3DAY | 106.61 | 5.53 | 7.50 | 0.0002 | 390403 | 60.00 | 15.45 | 120.00 |  |
| BC2-09 | BASIN-S8 | 10YR_3DAY | 116.63 | 4.88 | 7.50 | 0.0001 | 315790 | 59.92 | 9.12 | 120.00 | 4.65 |
| BC2-09 | BASIN-S8 | 25YR_3DAY | 112.31 | 5.09 | 7.50 | 0.0001 | 344755 | 59.92 | 11.05 | 120.00 | 6.42 |
| BC2-10 | BASIN-S8 | 100YR_3DAY | 106.69 | 5.53 | 7.50 | 0.0002 | 402096 | 59.92 | 16.07 | 120.00 | 8.86 |
| BC2-10 | BASIN-S8 | 10YR_3DAY | 116.70 | 4.88 | 7.50 | 0.0001 | 327004 | 59.92 | 9.95 | 120.00 | 4.44 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPORT

| Name | Group | Simulation | $\begin{array}{r} \text { Max Time } \\ \text { Stage } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft |  | Delta <br> Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BC2-10 | BASIN-S8 | 25YR_3DAY | 112.39 | 5.10 | 7.50 |  | 0.0001 | 356121 | 59.92 | 11.85 | 120.00 | 6.09 |
| SV-A | BASIN-S8 | 100YR_3DAY | 62.07 | 6.16 | 7.50 |  | 0.0012 | 561372 | 60.00 | 176.47 | 60.86 | 24.54 |
| SV-A | BASIN-S8 | 10 YR -3DAY | 66.73 | 5.41 | 7.50 |  | 0.0006 | 336828 | 60.00 | 106.98 | 60.83 | 24.54 17.76 |
| SV-A | BASIN-S8 | 25 YR -3DAY | 68.01 | 5.68 | 7.50 |  | 0.0008 | 397750 | 60.00 | 130.44 | 60.84 | 20.93 |
| SV-B | BASIN-S8 | 100YR_3DAY | 68.13 | 6.09 | 7.50 |  | 0.0010 | 365212 | 50.00 | 109.26 | 60.23 | 33.68 |
| SV-B | BASIN-S8 | 10 YR 3DAY | 66.16 | 5.40 | 7.50 |  | 0.0006 | 201515 | 60.00 | 64.38 | 60.21 | 23.33 |
| SV-B | BASIN-S8 | 25YR_3DAY | 67.18 | 5.66 | 7.50 |  | 0.0007 | $25589{ }^{\circ}$ | 60.00 | 79.47 | 60.24 | 28.19 |
| SV-C | BASIN-S8 | 100YR_3DAY | 68.15 | 6.11 | 7.50 |  | 0.0007 | $25^{\circ} 3$ | 60.00 | 93.52 | 60.14 | 50.84 |
| SV-C | BASIN-S8 | 10YR_3DAY | 66.69 | 5.41 | 7.50 |  | 0.0004 | 14. 990 | $\bigcirc .00$ | 52.89 | 60.09 | 23.18 |
| SV-C | BASIN-S8 | 25YR_3DAY | 68.04 | 5.68 | 7.50 |  | 0.0005 | $\bigcirc 93677$ | 30 | 67.18 | 60.24 | 32.84 |
| SV-D | BASIN-S8 | 100YR_3DAY | 68.16 | 6.11 | 7.50 |  | $0.000{ }^{\text {r }}$ | 446189 | 60.1 | 120.42 | 60.31 |  |
| SV-D | BASIN-S8 | 10YR-3DAY | 66.82 | 5.41 | 7.50 |  | 0.00 | $270 \div 16$ | 60.00 | 72.19 | 60.21 | 15.83 |
| SV-D | BASIN-S8 | 25 YR -3DAY | 68.04 | 5.68 | 7.50 |  | 0.6 | 3. 08 | 60.00 | 88.45 | 60.25 | 19.08 |
| SV-E | BASIN-S8 | 100YR_3DAY | 68.15 | 6.09 | 7.50 |  | 0.000 , | . 23222 | 60.00 | 36.52 | 60.06 | 13.81 |
| SV-E | BASIN-S8 | 10YR-3DAY | 66.10 | 5.40 | 7.50 |  | 0.0004 | -83992 | 60.00 | 21.94 | 60.00 | 13.81 5.94 |
| SV-E | BASIN-S8 | 25 YR -3DAY | 67.06 | 5.66 | 7.5 |  | 0.0005 | - 5878 | 60.00 | 26.86 | 60.01 | 7.97 |
| SV-F | BASIN-S8 | 100YR_3DAY | 68.09 | 6.14 | 7.51 |  |  | 12. 49 | 60.00 | 41.70 | 60.13 | 17.99 |
| SV-F | BASIN-S8 | 10YR 3 DAY | 65.62 | 5.44 | 7.50 |  | 0.0 r | 55675 | 60.00 | 24.50 | 60.10 | 11.97 |
| SV-F | BASIN-S8 | 25 YR -3DAY | 66.36 | 5.70 | 7.50 |  | 0.07 | 86084 | 60.00 | 30.30 | 60.11 | 14.62 |
| SV-H | BASIN-S8 | 100YR_3DAY | 68.09 | 6.1 | 7.50 |  | . 0009 | 110704 | 60.00 | 62.67 | 60.14 | 44.19 |
| SV-H | BASIN-S8 | 10YR-3DAY | 65.61 | 5. | . 50 |  | 0005 | 62258 | 60.00 | 39.73 | 60.12 | 29.32 |
| SV-H | BASIN--58 | 25YR_3DAY | 66.35 | . 70 | . 50 |  | 0006 | 79363 | 60.00 | 48.36 | 60.14 | 35.47 |
| SV-I | BASIN-S8 | 100YR_3DAY | 67.55 | 37 |  |  | 2.0011 | 654688 | 60.00 | 173.84 |  |  |
| SV-I | BASIN-S8 | 10 YR -3DAY | 64.83 |  | 7.50 |  | 0.0006 | 418976 | 60.00 | 104.19 | 60.72 | 6.37 |
| SV-I | BASIN-S8 | $25 \mathrm{YR}^{-3 \mathrm{SAY}}$ | 65.78 | 5. | 7.50 |  | 0.0008 | 579747 | 60.00 | 127.65 | 60.73 | 7.88 |
| SV-J | BASIN-S8 | 100YR_3DAY | . 04 | 29 | 7.50 |  | 0.0009 | 621158 | 60.00 | 154.20 | 68.59 | 11.52 |
| SV-J | BASIN-S8 | 10 YR -3DAY | J5.06 | 56 | 7.50 |  | 0.0005 | 443540 | 60.00 | 95.59 | 66.52 | 10.08 |
| SV-J | BASIN-S8 | $25 \mathrm{YR}{ }^{-3 \mathrm{~B} A Y}$ | 65.88 |  | 7.50 |  | 0.0006 | 512634 | 60.00 | 115.77 | 67.57 | 10.78 |
| SV-K | BASIN-S8 | 100YR_3DAY | 58 |  | 7.50 |  | 0.0012 | 364635 | 60.00 | 88.61 |  |  |
| SV-K | BASIN-S8 | 10YR-3DAY | 6.1 | 56 | 7.50 |  | 0.0008 | 146376 | 60.00 | 49.10 | 60.20 | 21.16 |
| SV-K | BASIN-S8 | 25 YR -3DAY | 64. | 95 | 7.50 |  | 0.0009 | 202996 | 60.00 | 61.49 | 60.24 | 23.01 |
| SV-L | BASIN-S8 | 100YR_3DAY | 68.02 | 6.29 | 7.50 |  | 0.0009 | 123560 | 60.00 | 37.25 | 66.90 | 19.92 |
| SV-L | BASIN-S8 | 10 YR -3DAY | 64.97 | 5.56 | 7.50 |  | 0.0005 | 79451 | 60.00 | 24.13 | 64.44 | 18.06 |
| SV-L | BASIN-S8 | $25 \mathrm{YR}^{-} 3 \mathrm{DAY}$ | 65.73 | 5.84 | 7.50 |  | 0.0006 | 96644 | 60.00 | 28.83 | 65.15 | 18.97 |
| SV-M | BASIN-S8 | 100YR_3DAY | 65.93 | 6.37 | 7.50 |  | 0.0011 | 295201 | 60.00 | 95.07 |  |  |
| SV-M | BASIN-S8 | 10YR-3DAY | 64.23 | 5.64 | 7.50 |  | 0.0007 | 194138 | 60.00 | 60.61 | 60.37 | 10.44 |
| $S V-M$ | BASIN--S8 | 25 YR -3DAY | 64.43 | 5.92 | 7.50 |  | 0.0008 | 234324 | 60.00 | 72.84 | 60.47 | 11.88 |
| SV-N | BASIN-S8 | 100YR_3DAY | 66.08 | 6.34 | 7.50 |  | 0.0010 | 351524 | 60.00 | 77.11 | 61.45 | 23.76 |
| SV-N | BASIN-S8 | 10YR_3DAY | 64.28 | 5.61 | 7.50 |  | 0.0006 | 195860 | 60.00 | 47.52 | 61.19 | 25.08 |
| SV-N | BASIN-S8 | 25YR-3DAY | 64.63 | 5.90 | 7.50 |  | 0.0007 | 257735 | 60.00 | 56.67 | 61.00 | 25.40 |
| SV-O | BASIN-S8 | 100YR_3DAY | 68.11 | 6.09 | 7.50 |  | 0.0010 | 276647 | 60.00 | 94.95 | 60.16 | 32.38 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 MAX STAGE REPOR
TABLE II-G-7

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | Max Delta Stage ft | $\begin{array}{r} \text { Max Surf } \\ \text { Area } \\ \text { ft2 } \end{array}$ | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SV-O | BASIN-S8 | 10YR_3DAY | 66.14 | 5.40 | 7.50 | 0.0006 | 154308 | 60.00 | 55.93 | 60.14 | 22.39 |
| SV-O | BASIN-S8 | 25YR_3DAY | 67.14 | 5.66 | 7.50 | 0.0007 | 194634 | 60.00 | 69.08 | 60.16 | 26.75 |
| SV-P | BASIN-S8 | 100YR_3DAY | 64.29 | 6.13 | 7.50 | 0.0011 | 435056 | 60.00 | 138.23 | 60.32 | 38.54 |
| SV-P | BASIN-S8 | 10YR-3DAY | 66.58 | 5.41 | 7.50 | 0.0006 | 238819 | 60.00 | 82.55 | 60.33 | 29.22 |
| SV-P | BASIN-S8 | 25YR_3DAY | 68.01 | 5.67 | 7.50 | 0.0008 | 303444 | 60.00 | 100.40 | 60.40 | 33.75 |
| SV-Q | BASIN-S8 | 100YR_3DAY | 68.19 | 6.09 | 7.50 | 0.0007 | 7279217 | 60.00 | 1378.29 | 68.01 | 247.46 |
| SV-Q | BASIN-S8 | 10 YR -3DAY | 66.08 | 5.40 | 7.50 | 0.0004 | 4952269 | 60.00 | 828.91 | 67.21 | 186.49 |
| SV-Q | BASIN-S8 | 25YR_3DAY | 67.05 | 5.66 | 7.50 | 0.0005 | $57354^{\circ}$ | 60.00 | 1002.92 | 64.06 | 211.45 |
| TG-1 | BASIN-S8 | 100YR_3DAY | 72.85 | 6.41 | 7.50 | 0.0007 | 59, 181 | 7.00 | 820.58 | 120.00 | 40.18 |
| TG-1 | BASIN-S8 | 10YR_3DAY | 72.29 | 5.68 | 7.50 | 0.0004 | - 80528 | no | 510.62 | 104.25 | 26.39 |
| TG-1 | BASIN-S8 | $25 \mathrm{YR}{ }^{-3} 3 \mathrm{DAY}$ | 72.51 | 5.97 | 7.50 | 0.0004 | . 880237 | 6 c , | 617.25 | 109.01 | 32.45 |
| TG-2 | BASIN-S8 | 100YR_3DAY | 68.58 | 6.20 | 7.50 | 0.00 | 1680457 | 60.00 | 326.36 | 60.48 | 45.19 |
| TG-2 | BASIN-S8 | 10YR_3DAY | 68.22 | 5.48 | 7.50 | 0.6 | $79^{\prime}$ J3 | 60.00 | 195.22 | 60.71 | 39.79 |
| TG~2 | BASIN-S8 | 25YR_3DAY | 68.32 | 5.75 | 7.50 | 0.06 | $1^{1}$, 166 | 60.00 | 238.58 | 60.61 | 43.93 |
| TG-3 | BASIN-S8 | 100YR_3DAY | 70.49 | 6.23 | 7.50 | 0.0007 | 173566 | 60.00 | 304.14 | 112.46 | 47.46 |
| TG-3 | BASIN-S8 | 10YR-3DAY | 68.72 | 5.50 | 7.5 | 0.0004 | $\bigcirc 0984$ | 60.00 | 185.53 | 71.26 | 32.19 |
| TG-3 | BASIN-S8 | 25YR_3DAY | 69.01 | 5.78 | $7 .$. | - 0005 | $16{ }^{\text {²7 }}$ | 60.00 | 225.73 | 99.31 | 38.82 |
| TG-4 | BASIN-S8 | 100YR_3DAY | 72.85 | 6.41 | 7.50 | 0.00 | 374330 | 60.00 | 88.52 | 60.13 | 24.66 |
| TG-4 | BASIN-S8 | 10YR-3DAY | 72.28 | 5.68 | 7.50 | 0.1 J4 | 19391 | 60.00 | 53.45 | 60.12 | 18.24 |
| TG-4 | BASIN-S8 | 25YR_3DAY | 72.52 | 5.97 | 7.50 | r, 005 | 298388 | 60.00 | 65.31 | 60.13 | 21.55 |
| TG-5 | BASIN-S8 | 100YR 3DAY | 72.41 | 6 | . 50 | 0007 | 4349777 | 60.42 | 501.73 | 61.53 |  |
| TG-5 | BASIN-S8 | 10YR-3DAY | 72.08 | . 72 | . 50 | 3004 | 2387235 | 60.00 | 309.62 | 61.52 | 33.53 |
| TG-5 | BASIN-S8 | 25YR_3DAY | 72.15 | 0.02 | 7.50 | c 005 | 3155271 | 60.00 | 372.90 | 61.53 | 33.81 |
| TG-6 | BASIN-S8 | 100YR_3DAY | 64.07 | 3 | 7.50 | 0.0010 | 1311339 | 60.42 | 184.88 | 62.25 | 34.82 |
| TG-6 | BASIN-S8 | 10YR_3DAY | 62.89 | 5. | 7.50 | 0.0006 | 775217 | 60.50 | 118.42 | 61.70 | 34.03 |
| TG-6 | BASIN-S8 | 25YR_3DAY | 63 | 5.92 | 7.50 | 0.0007 | 1039125 | 60.42 | 141.07 | 61.93 | 34.00 |
| WP-1 | BASIN-S8 | 100YR_3DAY | 0.14 | 11 | 7.50 | 0.0007 | 9365793 | 60.00 | 1661.58 | 60.05 | 82.28 |
| WP-1 | BASIN-S8 | 10YR-3DAY | 66.30 | 51 | 7.50 | 0.0004 | 6183943 | 60.00 | 1038.95 | 67.48 | 54.18 |
| WP-1 | BASIN-S8 | 25YR_3DAY | ¢7. 27 |  | 7.50 | 0.0005 | 7251402 | 60.00 | 1249.16 | 67.47 | 62.45 |

## BASIN S-8

# 72-HOUR NODAL STAGE RF ${ }^{\text {PORT }}$ 

10-YEAR, 3-DA ${ }^{*}$ STORM<br>25-YEAR, 3-DA) ${ }^{\circ}$ ©ORM<br>100-YEAR, ヶ- ^ Y S . ORM

BASIN S-8 72 HR NODAL STAGE DRAINAGE DISTRICT (SBDD)
BASI S-8 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM

| Simulation | Node | Group | Time | Stage ft | $\begin{gathered} \text { Warning } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Surface Area ft2 | Total Inflow cfs | Total Outflow cfs | Total <br> Vol In <br> af | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10YR_3DAY | 1K01 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 818818 | 14.18 | 11.22 | 20.4 | -2.1 |
| 10YR-3DAY | $1 \mathrm{K02}$ | BASIN-S8 | 71.83 | 6.10 | 8.00 | 1111667 | 18.04 | 13.99 | 42.8 | 16.0 |
| 10 YR -3DAY | 1K02A | BASIN-S8 | 71.83 | 5.33 | 7.50 | 28056 | 23.94 | 21.56 | 63.6 | 57.0 |
| 10 YR 3DAY | 1 K 03 | BASIN-S8 | 71.83 | 5.34 | 7.50 | 59807 | -258.71 | 9.95 | -311.5 | 47.6 |
| 10YR-3DAY | 1 K 04 | BASIN-S8 | 71.83 | 5.34 | 7.50 | 59791 | 4.68 | -263.40 | 23.8 | -335.2 |
| 10 YR -3DAY | 1 K 15 | BASIN-S8 | 71.83 | 5.33 | 7.50 | 135871 | 21.65 | 20.30 | 57.8 | 54.2 |
| 10YR-3DAY | 1 L 02 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 1651590 | 5.99 | 19.93 | 38.5 | 4.0 |
| 10YR-3DAY | 1 L 03 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 1286299 | 27.29 | 87.87 | 45.1 | -130.1 |
| 10 YR -3DAY | 1 L 04 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 94683 | -89.28 | 92.03 | -128.6 | 102.6 |
| $10 \mathrm{YR}{ }^{-3 \mathrm{SAM}}$ | 1 L 05 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 1682187 | 97.0 | -23.58 | 138.4 | -77.5 |
| 10 YR -3DAY | 1 L 06 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 288287 | -22, | 1.81 | -73.1 | -33.6 |
| 10YR 3 DAY | 1 L 07 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 1480233 | 47 | 3.77 | 14.2 | -27.0 |
| 10 YR -3DAY | 1001 | BASIN-S8 | 71.83 | 5.65 | 7.50 | 811955 | 2.85 | 72 | 13.7 | -35.4 |
| 10YR-3DAY | 1002 | BASIN-S8 | 71.83 | 5.65 | 7.50 | 645335 | 6.57 |  | -21.7 | 11.0 |
| 10YR-3DAY | 1003 | BASIN-S8 | 71.83 | 5.60 | 7.50 | 718402 | 9.85 | 10.4 | 23.4 | -15.1 |
| 10 YR -3DAY | 1004 | BASIN-S8 | 71.83 | 5.60 | 7.50 | $7183^{5}$ | 13.45 | 14.47 | -2.7 | 17.0 |
| 10YR-3DAY | 1005 | BASIN-S8 | 71.83 | 5.41 | 7.50 | 63 c 3 | 17. | 18.62 | 29.4 | 9.8 |
| 10YR-3DAY | 1006 | BASIN-S8 | 71.83 | 5.41 | 7.50 | 6304 | 1.21 | 22.77 | 22.2 | 30.0 |
| 10 YR -3DAY | 1007 | BASIN-S8 | 71.83 | 5.31 | 7.50 | 58877 | . 5.35 | 25.15 | 42.4 | -14.2 |
| 10 YR -3DAY | 1008 | BASIN-S8 | 71.83 | 5.31 | 7.50 | 1177045 | 30.33 | 32.37 | -37.7 | 62.4 |
| 10 YR -3DAY | 1009 | BASIN-S8 | 71.83 | 5.31 | 7.50 | 588521 | 2.59 | 0.00 | 12.5 | -48.4 |
| 10YR-3DAY | 1016 | BASIN-S8 | 71.83 | 5.23 | 7.5 | -94153 | 62 | 27.89 | 73.3 | 65.7 |
| 10 YR -3DAY | 1017 | BASIN-S8 | 71.83 | 5.23 | 7.51 | 120 | - 3 | -24.04 | 113.9 | 70.2 |
| 10 YR -3DAY | 1018 | BASIN-S8 | 71.83 | 5.23 | 7.50 | 4930. | -21.79 | -29.01 | 81.2 | 75.7 |
| 10 YR 3DAY | $1 \mathrm{P01}$ | BASIN-S8 | 71.83 | 5.32 | 7.50 | 37 C 1 | 1.64 | 17.50 | 61.6 | 50.3 |
| 10 YR 10 YR -3DAY 3DAY | $1 \mathrm{P02}$ | BASIN-S8 | 71.83 | 5.32 | 7.50 | 2507 | 18.47 | 15.52 | 55.1 | 56.5 |
| 10 YR -3DAY | 1 P 04 | BASIN-S8 BASIN-S8 | 71.83 71.83 | 5.31 | 7.50 .50 | $\begin{array}{r}9904 \\ \hline 14948\end{array}$ | 1.93 6.52 | -1.46 -9.52 | 9.4 53.7 | 5.6 -7.9 |
| 10YR-3DAY | 1 P 05 | BASIN-S8 | 71.83 | - 2 | . 50 | - 9996 | 7.05 | 4.07 | 53.6 | -76.1 |
| 10 YR -3DAY | 1 P 06 | BASIN-S8 | 71.83 | . 32 | . 50 | 18317 | 135.22 | 115.13 | 232.7 | 284.3 |
| 10 YR -3DAY | 1 P 07 | BASIN-S8 | 71.83 | 34 |  | 624154 | 128.92 | 123.39 | 185.0 | 159.3 |
| 10 YR -3DAY | 1 P 08 | BASIN-S8 | 71.83 | , | 7.50 | 178292 | 2.91 | 3.74 | 14.0 | 4.8 |
| 10 YR -3DAY | $1 \mathrm{P09}$ | BASIN-S8 | 71.83 | 5. | 7.50 | 778081 | 6.65 | 7.47 | 18.8 | 9.6 |
| 10 YR -3DAY | 1 P 10 | BASIN-S8 | 71. | 5.4 | 7.50 | 747673 | 10.38 | 10.40 | 23.6 | 15.6 |
| 10 YR -3DAY | 1 P 11 | BASIN-S8 | 7.3 | -. 49 | 7.50 | 827149 | 13.63 | 13.53 | 31.2 | 22.0 |
| 10 YR -3DAY | 1 P12 | BASIN-S8 | . 83 | 32 | 7.50 | 578417 | 16.00 | 9.19 | 33.8 | 38.0 |
| 10 YR -3DAY | 1 P 13 | BASIN-S8 | 11.83 | 5 ? | 7.50 | 402500 | 125.61 | 120.88 | 328.6 | 210.8 |
| 10 YR -3DAY | $1 \mathrm{P14}$ | BASIN-S8 | 71.83 | 5. | 7.50 | 627156 | 123.47 | 115.78 | 223.3 | 306.3 |
| 10 YR -3DAY | 2 K 05 | BASIN-S8 | 83 | 6. | 8.00 | 1143561 | 5.80 | 0.00 | 37.1 | 5.0 |
| 10YR-3DAY | 2K06 | BASIN-S8 | 7. ${ }^{3}$ | 6 , | 8.00 | 280997 | 1.05 | -0.46 | 11.1 | 2.9 |
| 10YR-3DAY | 2K07 | BASIN-S8 | 71. | +. 0 | 8.00 | 605954 | 1.96 | -1.19 | 17.5 | -0.7 |
| 10YR-3DAY | 2K08 | BASIN-S8 | 71.8 | . 11 | 8.00 | 498558 | 0.58 | -1.85 | 10.3 | -5.9 |
| 10YR-3DAY | $2 \mathrm{K09}$ | BASIN-S8 | 71.83 | 6.13 | 8.00 | 1377346 | 3.81 | -0.13 | 27.6 | -16.1 |
| 10 YR - 3 DAY | 2K10 | BASIN-S8 | 71.83 | 6.13 | 8.00 | 190800 | 0.75 | 0.21 | -11.0 | -16.0 |
| 10 YR -3DAY | 2K11 | BASIN-S8 | 71.83 | 6.13 | 8.00 | 116655 | 0.72 | 0.39 | 6.1 | 1.3 |
| 10YR-3DAY | 2 K 12 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 936093 | 8.89 | 5.61 | 45.7 | 15.2 |
| 10 YR -3DAY | 2K13 | BASIN-S8 | 71.83 | 6.13 | 8.00 | 698397 | 6.82 | 4.81 | 34.1 | 18.6 |
| 10 YR 3DAY | $2 \mathrm{Kl4}$ | BASIN-S8 | 71.83 | 6.12 | 8.00 | 8809 | 4.81 | 4.78 | 18.6 | 18.2 |
| 10 YR 3DAY | 2L09 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 2405629 | 6.27 | -2.21 | 43.6 | -23.4 |
| 10 YR -3DAY | 2 L 10 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 8735 | -2.21 | -2.24 | -23.4 | -23.5 |
| 10 YR -3DAY | 2L11 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 752736 | 5.74 | 3.07 | 36.2 | 27.2 |
| 10 YR -3DAY | 2 L 12 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 1095610 | 7.55 | 3.64 | 54.5 | 21.0 |
| 10 YR -3DAY | 2L13 | BASIN-S8 | 71.83 | 5.95 | 8.00 | 1633447 | 7.52 | -2.08 | 48.1 | -0.0 |
| 10 YR -3DAY | 2L14 | BASIN-S8 | 71.83 | 5.96 | 8.00 | 772015 | 0.57 | -3.92 | 14.9 | -7.0 |
| 10YR_3DAY | 2L15 | BASIN-S8 | 71.83 | 6.08 | 8.00 | 8721 | -3.92 | -3.95 | -7.0 | -7.4 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM

| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{gathered} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{gathered}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total <br> Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10YR_3DAY | 2L18 | BASIN-S8 | 71.83 | 6.12 | 8.00 | 833996 | 5.30 | 2.65 | 41.7 | 11.4 |
| 10 YR -3DAY | 2L19 | BASIN-S8 | 71.83 | 6.12 | 8.00 | 18822 | 2.65 | 2.58 | 11.4 | 10.7 |
| 10YR-3DAY | 2L20 | BASIN-S8 | 71.83 | 6.12 | 8.00 | 18777 | 2.58 | 2.52 | 10.7 | 10.0 |
| 10YR_3DAY | 2010 | BASIN-S8 | 71.83 | 5.21 | 7.50 | 577727 | 2.59 | -32.52 | 12.5 | -221.2 |
| 10YR-3DAY | 2011 | BASIN-S8 | 71.83 | 5.21 | 7.50 | 822014 | -29.35 | -8.17 | -204.0 | 7.8 |
| 10YR-3DAY | 2012 | BASIN-S8 | 71.83 | 5.22 | 7.50 | 580538 | -5.58 | -26.28 | 20.3 | -188.5 |
| 10YR_3DAY | 2013 | BASIN-S8 | 71.83 | 5.22 | 7.50 | 1378554 | -20.89 | 35.65 | -159.5 | 7.8 |
| 10 YR -3DAY | 2014 | BASIN-S8 | 71.83 | 5.22 | 7.50 | 516270 | -23.39 | -30.39 | 18.7 | 12.1 |
| 10 YR 3DAY | 2015 | BASIN-S8 | 71.83 | 5.23 | 7.50 | 549435 | 2.59 | -5.30 | 12.5 | 8.9 |
| 10YR_3DAY | 3L16 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 466165 | 1.5 | 0.00 | 7.9 | 1.5 |
| 10 YR -3DAY | 3L17 | BASIN-S8 | 71.83 | 6.11 | 8.00 | 466193 |  | -1.41 | 9.4 | 1.5 |
| 10YR-3DAY | B1-1 | BASIN-S8 | 71.83 | 4.28 | 7.50 | 330407 | -. 89 | 5.43 | 0.9 | -3.4 |
| 10 YR -3DAY | B1-2 | BASIN-S8 | 71.83 | 4.28 | 7.50 | 112832 | -4.20 | 77 | -1.6 | -3.1 |
| 10 YR -3DAY | BI-3 | BASIN-S8 | 71.83 | 4.26 | 7.50 | 651897 | -0.81 | -b | 4.7 | -3.5 |
| 10 YR -3DAY | B1-4 | BASIN-S8 | 71.83 | 4.26 | 7.50 | 581360 | 0.39 | -3. | 5.1 | -2.2 |
| 10 YR 3DAY | B1-5 | BASIN-S8 | 71.83 | 4.25 | 7.50 | $5476^{\circ}$ | 1.57 | -2.39 | 5.7 | -1.1 |
| 10YR 3DAY | B1-6 | BASIN-S8 | 71.83 | 4.25 | 7.50 | 54 c | - 3 | -1.22 | 6.2 | -0.6 |
| 10YR 3DAY | B2-0 | BASIN-S8 | 71.83 | 4.61 | 7.50 | 2081 | . 28 | -17.47 | -6.2 | -9.9 |
| 10YR-3DAY | B2-1 | BASIN-S8 | 71.83 | 4.57 | 7.50 | 21559: | 1.38 | -2.63 | 2.2 | -1.5 |
| 10YR 3DAY | B2-2 | BASIN-S8 | 71.83 | 4.55 | 7.50 | 210291 | 13.42 | 9.79 | 9.2 | 5.7 |
| 10 YR -3DAY | B2-3 | BASIN-S8 | 71.83 | 4.40 | 7.5 r | 180958 | 0.67 | 8.62 | 10.2 | 7.6 |
| 10YR-3DAY | B2-4 | BASIN-S8 | 71.83 | 4.39 | 7.5 | ${ }^{\sim} 4514$ | 43 | 7.30 | 10.9 | 6.6 |
| 10 YR -3DAY | B3-0 | BASIN-S8 | 71.83 | 4.54 | 7.51 | $\cdots{ }^{-}$ | - 9 | -18.02 | -2.4 | -11.1 |
| 10 YR -3DAY | B3-1 | BASIN-S8 | 71.83 | 4.40 | 7.50 | 6005 | -4.16 | -11.01 | 1.3 | -7.3 |
| 10 YR -3DAY | B3-2 | BASIN-S8 | 71.83 | 4.39 | 7.50 | 15 ¢ 6 | 5.05 | -6.77 | -2.2 | -4.5 |
| 10 YR -3DAY | B3-3 | BASIN-S8 | 71.83 | 4.36 | 7.50 | 1.036 | -3.19 | -4.72 | 0.8 | 3.0 |
| 10 YR 3DAY | B3-3A | BASIN-S8 | 71.83 | 4.3 ' | 7.50 | 2498 | 1.50 | 1.47 | 7.0 | -2.6 |
| 10YR 3DAY | B3-4 | BASIN-S8 | 71.83 | 4 | . 50 | i4452 | 0.90 | -0.62 | 1.6 | -0.7 |
| 10 YR -3DAY | B3-5 | BASIN-S8 | 71.83 | 36 | . 50 | 4406 | 1.21 | -0.31 | 1.9 | -0.3 |
| 10YR_3DAY | B4-0 | BASIN-S8 | 71.83 | +. 55 | 1.50 | 3006 | -11.54 | -17.97 | -5.9 | -11.6 |
| 10YR 3DAY | B4-1 | BASIN-S8 | 71.83 | 42 |  | $5_{48590}$ | -6.63 | -13.34 | -1.0 | -9.2 |
| 10YR_3DAY | B4-3 | BASIN-S8 | 71.83 71.83 | 4. | 7.50 7.50 | 239629 | -6.23 | -8.97 -8.12 | -2.8 -2.4 | -6.3 |
| 10YR-3DAY | B4-4 | BASIN-S8 | 71 | 4.36 | 7.50 | 291312 | -5.79 | -8.12 | - $\begin{array}{r}-2.4 \\ -15.5\end{array}$ | -5.8 -5.4 |
| 10YR_3DAY | B4-5 | BASIN-S8 | 733 | . 35 | 7.50 | 221126 | 1.89 | -0.13 | - 3.0 | -5.4 1.5 |
| 10YR_3DAY | B4-5A | BASIN-S8 | 1.83 | 35 | 7.50 | 2488 | -0.13 | -1.53 | 1.5 | -9.3 |
| 10YR_3DAY | B4-5B | BASIN-S8 | 71.83 | 45 | 7.50 | 2500 | -1.53 | 2.70 | -9.3 | -9.3 |
| 10YR_3DAY | B4-5C | BASIN-S8 | ${ }^{1} 1.83$ | 4. | 7.50 | 2496 | 2.70 | -1.39 | 23.2 | -8.6 |
| 10 YR -3DAY | B5-0 | BASIN-S8 | 83 | 4. | 7.50 | 581569 | 5.49 | 0.00 | 8.0 | -8.0 |
| 10YR_3DAY | B5-1 | BASIN-S8 | 7.3 | 41 | 7.50 | 582359 | 8.39 | 2.88 | 10.3 | 2.2 |
| 10YR 3DAY | B5-2 | BASIN-S8 | 71. | 35 | 7.50 | 233771 | 8.02 | 5.78 | 7.6 | 4.4 |
| 10 YR -3DAY | B5-3 | BASIN-S8 | 71.8 | . 36 | 7.50 | 320845 | 1.39 | -1.64 | 3.6 | -2.7 |
| 10 YR 3DAY | B5-4 | BASIN-S8 | 71.83 | 4.26 | 7.50 | 411107 | 2.42 | -0.48 | 4.9 | -0.1 |
| 10 YR 3DAY | B5-4A | BASIN-S8 | 71.83 | 4.35 | 7.50 | 2506 | -0.48 | -0.50 | -0.1 | 0.2 |
| 10 YR -3DAY | B6-0 | BASIN-S8 | 71.83 | 4.34 | 7.50 | 477892 | 4.50 | 0.00 | 6.6 | 0.0 |
| 10YR-3DAY | B6-1 | BASIN-S8 | 71.83 | 4.34 | 7.50 | 478248 | 6.59 | 2.08 | 8.5 | 1.7 |
| 10YR 3DAY | B6-2 | BASIN-S8 | 71.83 | 4.35 | 7.50 | 110194 | 5.22 | 4.17 | -11.6 | 3.6 |
| 10YR 3DAY | B6-3 | BASIN-S8 | 71.83 | 4.36 | 7.50 | 126790 | 5.24 | 3.92 | 2.2 | 20.6 |
| 10YR 3DAY | B6-3A | BASIN-S8 | 71.83 | 4.35 | 7.50 | 2485 | 3.92 | 3.90 | 20.2 | -13.4 |
| 10 YR 3DAY | B6-4 | BASIN-S8 | 71.83 | 4.34 | 7.50 | 219300 | 1.84 | -0.19 | 3.0 | -0.0 |
| 10YR_3DAY | B6-4A | BASIN-S8 | 71.83 | 4.34 | 7.50 | 2485 | -0.19 | -0.21 | -0.0 | -0.0 |
| 10YR_3DAY | B6-4B | BASIN-S8 | 71.83 | 4.36 | 7.50 | 2516 | -0.21 | -0.23 | -0.0 | -2.7 |
| 10YR_3DAY | B7-0 | BASIN-S8 | 71.83 | 4.37 | 7.50 | 194067 | 1.85 | 0.00 | 2.8 | 0.0 |
| 10YR_3DAY | B7-1 | BASIN-S8 | 71.83 | 4.37 | 7.50 | 528617 | 5.48 | 0.44 | 8.0 | 0.6 |
| 10YR_3DAY | B7-2 | BASIN-S8 | 71.83 | 4.37 | 7.50 | 181333 | 4.93 | 3.19 | 5.4 | 2.8 |



| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{gathered} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{gathered}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10YR_3DAY | B7-3 | BASIN-S8 | 71.83 | 4.37 | 7.50 | 350232 | 6.88 | 3.52 | 8.2 | 3.1 |
| 10 YR -3DAY | B7-4 | BASIN-S8 | 71.83 | 4.37 | 7.50 | 197146 | 1.46 | -0.43 | 2.3 | -0.5 |
| 10YR_3DAY | B7-4A | BASIN-S8 | 71.83 | 4.37 | 7.50 | 31589 | -0.43 | -0.73 | -0.5 | -1.0 |
| 10YR-3DAY | B8-0 | BASIN-S8 | 71.83 | 4.61 | 7.50 | 289210 | -14.43 | -17.96 | -8.8 | -13.9 |
| 10YR_3DAY | B8-1 | BASIN-S8 | 71.83 | 4.58 | 7.50 | 374823 | -11.28 | -15.62 | -8.5 | -15.0 |
| 10YR-3DAY | B8-2 | BASIN-S8 | 71.83 | 4.45 | 7.50 | 339460 | -9.68 | -13.10 | -6.5 | -11.8 |
| 10YR_3DAY | B8-3 | BASIN-S8 | 71.83 | 4.40 | 7.50 | 132789 | 1.39 | 0.07 | 1.9 | -0.1 |
| 10YR-3DAY | BC1-01 | BASIN-S8 | 71.83 | 5.28 | 7.50 | 99999 | 98.19 | 96.63 | 295.7 | 208.2 |
| 10 YR -3DAY | BC1-02 | BASIN-S8 | 71.83 | 5.28 | 7.50 | 99783 | 97.00 | 95.40 | 211.5 | 314.4 |
| 10YR-3DAY | BC1-03 | BASIN-S8 | 71.83 | 5.27 | 7.50 | 99485 | $95 .-$ | 94.09 | 317.8 | 222.0 |
| 10 YR -3DAY | BC1-04 | BASIN-S8 | 71.83 | 5.27 | 7.50 | 137046 | $9{ }^{\circ}$ | 92.11 | 225.3 | 288.4 |
| 10 YR -3DAY | BC1-05 | BASIN-S8 | 71.83 | 5.26 | 7.50 | 136897 | -. 51 | 1.73 | 280.1 | 229.5 |
| 10YR-3DAY | BC1-06 | BASIN-S8 | 71.83 | 5.26 | 7.50 | 136828 | 25.06 | 13 | 297.3 | 338.8 |
| 10YR-3DAY | BC1-07 | BASIN-S8 | 71.83 | 5.26 | 7.50 | 136791 | 12.02 | -21 | 332.3 | 282.8 |
| 10 YR -3DAY | BC1-08 | BASIN-S8 | 71.83 | 5.26 | 7.50 | 136798 | -20.63 | 26. | 286.1 | 325.8 |
| 10 YR 3DAY | BC1-09 | BASIN-S8 | 71.83 | 5.26 | 7.50 | 990 | 27. 7.1 | 0.00 | 329.1 | 327.0 |
| 10YR-3DAY | BC1-10 | BASIN-S8 | 71.83 | 5.30 | 7.50 | 0 | - 0 | 0.00 | 327.0 | 0.0 |
| $10 \mathrm{YR}-3 \mathrm{DAY}$ | BC2-01 | BASIN-S8 | 71.83 | 4.37 | 7.50 | 446 L | . 48 | -1.79 | 5.0 | -1.1 |
| 10YR-3DAY | BC2-02 | BASIN-S8 | 71.83 | 4.36 | 7.50 | 22225 | 6.29 | 4.16 | 6.5 | 3.1 |
| 10YR-3DAY | BC2-03 | BASIN-S8 | 71.83 | 4.35 | 7.50 | 440633 | 0.47 | -3.73 | 0.8 | -0.5 |
| 10YR-3DAY | BC2-04 | BASIN-S8 | 71.83 | 4.34 | $7.5 r$ | 407654 | 1.85 | -1.98 | 6.1 | 5.4 |
| 10 YR -3DAY | BC2-04A | BASIN-S8 | 71.83 | 4.35 | $7 . 亡$ | 2.463 | 98 | -2.01 | 5.4 | -4.1 |
| 10 YR -3DAY | BC2-05 | BASIN-S8 | 71.83 | 4.33 | 7.51 |  | -. 3 | -7.62 | -0.1 | -4.9 |
| 10 YR -3DAY | BC2-06 | BASIN-S8 | 71.83 | 4.30 | 7.50 | 3294 | -4.08 | -6.78 | 0.1 | -4.2 |
| 10YR 3DAY | BC2-07 | BASIN-S8 | 71.83 | 4.30 | 7.50 | $32^{\circ}$, 6 | -3.67 | -6.33 | 0.4 | -3.9 |
| 10 YR -3DAY | BC2-08 | BASIN-S8 | 71.83 | 4.29 | 7.50 | 1. 964 | -2.57 | -5.92 | 1.7 | -3.7 |
| 10 YR -3DAY | BC2-09 | BASIN-S8 | 71.83 | $4.2{ }^{\prime}$ | 7.50 | 21529 | -3.33 | -5.04 | -0.4 | -3.2 |
| 10 YR 3DAY | BC2-10 | BASIN-S8 | 71.83 | 4 3 | . 50 | 32239 | -3.49 | -5.27 | -0.3 | -3.5 |
| 10 YR -3DAY | SV-A | BASIN-S8 | 71.83 | 38 | . 50 | 3517 | 2.87 | 2.71 | 20.2 | 7.7 |
| 10YR 3DAY | SV-B | BASIN-S8 | 71.83 | 0.38 | 7.50 | 1056 | 1.71 | 1.40 | 11.2 | 4.5 |
| 10YR-3DAY | SV-C | BASIN-S8 | 71.83 | 39 |  | 700795 | 21.49 | 21.32 | 28.3 | 22.2 |
| 10YR-3DAY | SV-D | BASIN-S8 | 71.83 | '9 | 7.50 | 268068 | 1.81 | 1.58 | 12.4 | 2.7 |
| 10YR 3DAY | SV-E | BASIN-S8 | 71.83 | 5. | 7.50 | 83461 | 0.48 | 0.34 | 3.4 | 0.1 |
| 10 YR -3DAY | SV-F | BASIN-S8 | 71 | 5.44 | 7.50 | 64045 | 0.56 | 0.55 | 3.7 | 1.6 |
| 10 YR -3DAY | SV-H | BASIN-S8 | - 03 | -. 40 | 7.50 | 60891 | 13.70 | 13.69 | 25.3 | 23.2 |
| 10 YR -3DAY | SV-I | BASIN-S8 | 1.83 | 49 | 7.50 | 347886 | 2.65 | 4.50 | 18.5 | . 4.9 |
| 10 YR -3DAY | SV-J | BASIN-S8 | 71.83 | $5 \quad 6$ | 7.50 | 424510 | 6.12 | 7.76 | 23.3 | 6.4 |
| 10 YR -3DAY | SV-K | BASIN-S8 | 71.83 | 5. | 7.50 | 114978 | 3.20 | 3.83 | 17.7 | 14.1 |
| 10 YR -3DAY | SV-L | BASIN-S8 | - 83 | 5. | 7.50 | 74707 | 12.38 | 12.66 | 23.2 | 20.4 |
| 10 YR -3DAY | SV-M | BASIN-S8 | i. ${ }^{\text {'3 }}$ | 59 | 7.50 | 174514 | 5.33 | 6.26 | 18.0 | 11.4 |
| 10 YR -3DAY | SV-N | BASIN-S8 | 71. | 48 | 7.50 | 169372 | 8.89 | 9.68 | 28.1 | 22.4 |
| 10 YR 3DAY | SV-O | BASIN-S8 | 71.8 | J. 38 | 7.50 | 152565 | 1.28 | 1.04 | 8.5 | 3.3 |
| $10 Y \mathrm{YR}$ 10 YR -3DAY | SV-P | BASIN-S8 | 71.83 | 5.38 | 7.50 | 235261 | 4.65 | 4.48 | 20.7 | 12.6 |
| 10 YR -3DAY | SV-Q | BASIN-S8 | 71.83 | 5.38 | 7.50 | 4915272 | 134.26 | 126.26 | 329.8 | 172.2 |
| 10 YR -3DAY | TG-1 | BASIN-S8 | 71.83 | 5.67 | 7.50 | 4176288 | 31.42 | 23.93 | 155.5 | 11.6 |
| 10YR 3DAY | TG-2 | BASIN-S8 | 71.83 | 5.46 | 7.50 | 775517 | 20.83 | 21.17 | 53.5 | 30.0 |
| 10YR-3DAY | TG-3 | BASIN-S8 | 71.83 | 5.50 | 7.50 | 1391730 | 31.39 | 32.05 | 63.6 | 18.0 |
| 10YR_3DAY | TG-4 | BASIN-S8 | 71.83 | 5.67 | 7.50 | 249106 | 1.18 | 0.73 | 8.2 | 0.1 |
| 10YR-3DAY | TG-5 | BASIN-S8 | 71.83 | 5.71 | 7.50 | 2386305 | 14.73 | 13.31 | 106.5 | 33.2 |
| 10 YR -3DAY | TG-6 | BASIN-S8 | 71.83 | 5.49 | 7.50 | 597381 | 5.46 | 8.75 | 43.0 | 23.2 |
| 10YR_3DAY | WP-1 | BASIN-S8 | 71.83 | 5.38 | 7.50 | 6119260 | 34.31 | 32.26 | 241.5 | 31.2 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
BASIN S-8 72 HR NODAL STAGE REPORT FOR 25 YR 3 DAY STORM

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Total Outflow cfs | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25YR_3DAY | $1 \mathrm{KO1}$ | BASIN-S8 | 71.83 | 6.40 | 8.00 | 963681 | 17.41 | 13.58 | 34.4 | -5.5 |
| 25YR_3DAY | $1 \mathrm{K02}$ | BASIN-S8 | 71.83 | 6.39 | 8.00 | 1322295 | 21.87 | 16.72 | 50.8 | 20.1 |
| 25 YR -3DAY | 1K02A | BASIN-S8 | 71.83 | 5.56 | 7.50 | 29138 | 29.58 | 29.51 | 70.4 | 74.1 |
| 25 YR -3DAY | $1 \mathrm{K03}$ | BASIN-S8 | 71.83 | 5.57 | 7.50 | 751393 | 5.86 | 12.86 | 332.1 | 50.3 |
| 25YR-3DAY | $1 \mathrm{K04}$ | BASIN-S8 | 71.83 | 5.57 | 7.50 | 751393 | 5.86 | 0.00 | 31.7 | 300.5 |
| 25YR-3DAY | 1 K 15 | BASIN-S8 | 71.83 | 5.56 | 7.50 | 140820 | 29.62 | 29.22 | 75.0 | 68.2 |
| 25 YR -3DAY | 1 LO 2 | BASIN-S8 | 71.83 | 6.40 | 8.00 | 1834245 | 7.32 | 13.20 | 48.5 | -42.1 |
| 25 YR -3DAY | 1 L 03 | BASIN-S8 | 71.83 | 6.40 | 8.00 | 1452481 | -3.80 | 65.93 | 8.8 | 137.3 |
| $25 \mathrm{YR}=3 \mathrm{DAY}$ | 1 L 04 | BASIN-S8 | 71.83 | 6.40 | 8.00 | 96131 | 66.11 | -59.83 | 138.8 | -169.6 |
| 25 YR -3DAY | 1 L 05 | BASIN-S8 | 71.83 | 6.40 | 8.00 | 1891151 | -52.6 | 17.88 | -124.1 | 34.6 |
| 25 YR -3DAY | 1 L 06 | BASIN-S8 | 71.83 | 6.40 | 8.00 | 333693 | 19 | 1.58 | 40.6 | -41.1 |
| 25YR-3DAY | 1 L 07 | BASIN-S8 | 71.83 | 6.40 | 8.00 | 1741964 | 1.93 | 3.91 | 19.4 | -27.3 |
| 25 YR -3DAY | 1001 | BASIN-S8 | 71.83 | 5.87 | 7.50 | 914452 | 3.59 | 38 | 18.5 | 45.1 |
| 25YR-3DAY | 1002 | BASIN-S8 | 71.83 | 5.87 | 7.50 | 850326 | 7.97 | , 1 | 63.6 | 11.1 |
| $25 \mathrm{YR}-3 \mathrm{DAY}$ | 1003 | BASIN-S8 | 71.83 | 5.82 | 7.50 | 812245 | 10.41 | 10. | 27.9 | 39.2 |
| 25 YR -3DAY | 1004 | BASIN-S8 | 71.83 | 5.82 | 7.50 | $8122{ }^{\text {r }}$ | 14.00 | 14.32 | 56.0 | 18.9 |
| 25 YR - 3 DAY | 1005 | BASIN-S8 | 71.83 | 5.63 | 7.50 | 72 F \% | 17 9 | 19.21 | 35.7 | 32.3 |
| 25 YR -3DAY | 1006 | BASIN-S8 | 71.83 | 5.63 | 7.50 | 725 | . 47 | 24.10 | 49.1 | 33.1 |
| 25YR 3DAY | 1007 | BASIN-S8 | 71.83 | 5.52 | 7.50 | 67936: | -7.36 | 28.44 | 49.9 | 98.7 |
| 25 YR -3DAY | 1008 | BASIN-S8 | 71.83 | 5.52 | 7.50 | 1358297 | 39.30 | 41.43 | 204.9 | 67.3 |
| 25 YR -3DAY | 1009 | BASIN-S8 | 71.83 | 5.52 | 7.50 | 679147 | 3.26 | 4.33 | 16.8 | 72.6 |
| 25 YR -3DAY | 1016 | BASIN-S8 | 71.83 | 5.39 | 7.5 | -54730 | 27 | 41.59 | 82.1 | 80.0 |
| 25 YR -3DAY | 1017 | BASIN-S8 | 71.83 | 5.38 | 7.51 | $120{ }^{\text {a }}$ | 4.9 | 38.23 | 150.5 | 96.5 |
| 25 YR -3DAY | 1018 | BASIN-S8 | 71.83 | 5.38 | 7.50 | 5500 | 41.07 | 35.98 | 111.2 | 105.9 |
| 25 YR -3DAY | 1 P 01 | BASIN-S8 | 71.83 | 5.54 | 7.50 | 41.3 | 0.90 | 28.92 | 77.9 | 67.1 |
| 25 YR -3DAY | 1 P 02 | BASIN-S8 | 71.83 | 5.54 | 7.50 | 3.351 | 30.14 | 28.56 | 73.5 | 68.9 |
| 25 YR -3DAY | 1 P 03 | BASIN-S8 | 71.83 | 5.51 | 7.50 | -5123 | 2.44 | 1.68 | 12.7 | 6.3 |
| 25 YR -3DAY | 1 P 04 | BASIN-S8 | 71.83 | 5. | . 50 | 36460 | 11.52 | 8.03 | 67.8 | -5.9 |
| 25 YR -3DAY | 1 P 05 | BASIN-S8 | 71.83 | - 4 | . 50 | 9136 | 37.93 | 36.15 | 69.7 | 62.3 |
| 25 YR -3DAY | 1806 | BASIN-S8 | 71.83 | ,. 53 | . 50 | 20146 | 220.18 | 203.66 | 344.5 | 329.2 |
| 25 YR -3DAY | 1 P 07 | BASIN-S8 | 71.83 | 55 |  | $7: 2223$ | 178.48 | 174.24 | 246.0 | 231.8 |
| 25 YR -3DAY | 1 1P08 | BASIN-S8 | 71.83 | 6 | 7.50 | 687547 | 3.67 | 3.68 | 18.9 | 5.4 |
| 25 YR 3DAY | $1 \mathrm{P09}$ 1 P 10 | BASIN-S8 | 71.83 | 5. | 7.50 | 887379 | 7.35 | 7.36 | 24.3 | 10.9 |
| 25YR 3 3 YRAY | 1 P 10 | BASIN-S8 BASIN-S8 | 71 | 5.71 -.71 | 7.50 7.50 | 857495 | 11.03 | 10.75 | 29.8 | 17.5 |
| 25 YR -3DAY | $1 \mathrm{P11}$ | BASIN-S8 BASIN-S8 | $\begin{array}{r}7.83 \\ \hline .83\end{array}$ | $\bigcirc .71$ | 7.50 7.50 | 949277 663795 | 14.83 17.55 | 14.43 11.20 | 38.5 41.3 | 25.3 33.4 |
| 25 YR -3DAY | 1 P13 | BASIN-S8 | 11.83 | 5 ? | 7.50 | 449700 | 216.49 | 212.16 | 371.1 | 356.7 |
| 25 YR -3DAY | 1 P14 | BASIN-S8 | 71.83 | 5. | 7.50 | 713638 | 215.42 | 207.20 | 373.5 | 366.2 |
| 25 YR -3DAY | 2 K 05 | BASIN-S8 | 83 | 6. | 8.00 | 1340252 | 7.07 | 0.27 | 46.7 | 5.8 |
| 25 YR -3DAY | 2 K 06 | BASIN-S8 | 7. ${ }^{3}$ |  | 8.00 | 324317 | 1.57 | -0.15 | 13.8 | 3.5 |
| 25 YR -3DAY | $2 \mathrm{KO7}$ | BASIN-S8 | 71. | -11 | 8.00 | 698897 | 2.81 | -1.12 | 22.1 | -0.6 |
| 25 YR -3DAY | 2K08 | BASIN-S8 | 71.8 | . 41 | 8.00 | 561453 | 1.04 | -2.28 | 13.3 | -6.7 |
| 25 YR -3DAY | $2 \mathrm{K09}$ | BASIN-S8 | 71.83 | 6.44 | 8.00 | 1575623 | 4.72 | 0.67 | 35.9 | -18.4 |
| 25 YR -3DAY | 2K10 | BASIN-S8 | 71.83 | 6.44 | 8.00 | 228357 | 1.74 | 1.15 | -11.8 | -18.3 |
| $25 \mathrm{YR}-3 \mathrm{DAY}$ | $2 \mathrm{Kl1}$ | BASIN-S8 | 71.83 | 6.44 | 8.00 | 124878 | 0.85 | 0.54 | 7.3 | 1.6 |
| $25 \mathrm{YR}-3 \mathrm{DAY}$ | $2 \mathrm{KI2}$ | BASIN-S8 | 71.83 | 6.41 | 8.00 | 1059310 | 11.70 | 7.69 | 55.4 | 21.5 |
| 25 YR -3DAY | $2 \mathrm{KI3}$ | BASIN-S8 | 71.83 | 6.44 | 8.00 | 855303 | 8.98 | 6.73 | 42.6 | 21.6 |
| 25 YR -3DAY | $2 \mathrm{K14}$ | BASIN-S8 | 71.83 | 6.43 | 8.00 | 8809 | 6.73 | 6.70 | 21.6 | 21.1 |
| 25 YR -3DAY | 2 L 09 | BASIN-S8 | 71.83 | 6.41 | 8.00 | 2751484 | 8.98 | -1.59 | 58.1 | -26.5 |
| 25 YR -3DAY | 2 L 10 | BASIN-S8 | 71.83 | 6.41 | 8.00 | 8735 | -1.59 | -1.62 | -26.5 | -26.6 |
| $25 \mathrm{YR}-3 \mathrm{DAY}$ | $2 \mathrm{L11}$ | BASIN-S8 | 71.83 | 6.41 | 8.00 | 927078 | 7.84 | 4.24 | 46.1 | 31.1 |
| 25YR-3DAY | 2 L 12 | BASIN-S8 | 71.83 | 6.41 | 8.00 | 1256425 | 9.74 | 4.76 | 65.8 | 24.5 |
| 25YR-3DAY | 2L13 | BASIN-S8 | 71.83 | 6.25 | 8.00 | 1876403 | 9.18 | -1.98 | 60.6 | 0.6 |
| 25YR_3DAY | 2L14 | BASIN-S8 | 71.83 | 6.26 | 8.00 | 888460 | 1.32 | -3.92 | 19.9 | -7.6 |
| 25YR_3DAY | 2L15 | BASIN-S8 | 71.83 | 6.37 | 8.00 | 8721 | -3.92 | -3.96 | -7.6 | -8.1 |

BASIN S-8 72 HR NODAL STAGE REPORT FOR 25 YR 3 DAY STORM TABLE II-G-8

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25YR_3DAY | 2L18 | BASIN-S8 | 71.83 | 6.43 | 8.00 | 920034 | 6.28 | 3.44 | 50.4 | 14.0 |
| 25YR_3DAY | 2L19 | BASIN-S8 | 71.83 | 6.42 | 8.00 | 20029 | 3.44 | 3.37 | 14.0 | 13.2 |
| 25YR-3DAY | 2L20 | BASIN-S8 | 71.83 | 6.42 | 8.00 | 19984 | 3.37 | 3.30 | 13.2 | 12.3 |
| 25YR-3DAY | 2010 | BASIN-S8 | 71.83 | 5.38 | 7.50 | 650814 | 3.26 | -16.96 | 16.8 | 203.3 |
| 25YR-3DAY | 2011 | BASIN-S8 | 71.83 | 5.38 | 7.50 | 898739 | -13.00 | 1.37 | 225.8 | 3.2 |
| 25 YR -3DAY | 2012 | BASIN-S8 | 71.83 | 5.38 | 7.50 | 650750 | 4.63 | 15.19 | 20.1 | 240.8 |
| 25YR ${ }^{\text {-3DAY }}$ | 2013 | BASIN-S8 | 71.83 | 5.38 | 7.50 | 1505321 | 21.92 | 0.00 | 278.9 | 13.1 |
| 25YR-3DAY | 2014 | BASIN-S8 | 71.83 | 5.38 | 7.50 | 577532 | 2.86 | 0.00 | 27.8 | 25.5 |
| 25 YR -3DAY | 2015 | BASIN-S8 | 71.83 | 5.38 | 7.50 | 617453 | 3.26 | 0.00 | 16.8 | 11.2 |
| 25YR-3DAY | 3L16 | BASIN-S8 | 71.83 | 6.40 | 8.00 | 545940 | $2 . r$ | 0.00 | 10.6 | -0.5 |
| 25 YR - 3 DAY | 3L17 | BASIN-S8 | 71.83 | 6.40 | 8.00 | 545969 |  | 0.18 | 11.1 | 1.5 |
| 25 YR -3DAY | B1-1 | BASIN-S8 | 71.83 | 4.47 | 7.50 | 376471 | -. 96 | 5.78 | -1.3 | -4.5 |
| 25YR-3DAY | B1-2 | BASIN-S8 | 71.83 | 4.47 | 7.50 | 128178 | -5.26 | 56 | -2.2 | -4.3 |
| 25YR-3DAY | B1-3 | BASIN-S8 | 71.83 | 4.44 | 7.50 | 738853 | 0.02 | -i | 6.2 | -5.0 |
| 25 YR -3DAY | B1-4 | BASIN-S8 | 71.83 | 4.44 | 7.50 | 658236 | 1.49 | -4. | 6.8 | -3.1 |
| 25 YR -3DAY | B1-5 | BASIN-S8 | 71.83 | 4.43 | 7.50 | 6229 | 2.97 | -3.03 | 7.5 | -1.6 |
| 25 YR - 3 DAY | B1-6 | BASIN-S8 | 71.83 | 4.43 | 7.50 | 622. | 1.3 | -1.55 | 8.3 | -0.9 |
| 25 YR -3DAY | $\mathrm{B} 2-0$ B2-1 | BASIN-S8 BASIN-S8 | 71.83 | 4.78 4.75 | 7.50 | 2283 | . 38 | -17.37 | -6.0 | -10.5 |
| 25YR_3DAY | B2-2 | BASIN-S8 | 71.83 71.83 | 4.75 4.73 | 7.50 7.50 | 23691. | 2.31 14.75 | -2.25 | 3.2 | $-1.4$ |
| 25 YR -3DAY | B2-3 | BASIN-S8 | 71.83 | 4.60 | 7.50 | 204388 | 1.74 | 9.03 | 12.6 | 9.5 |
| 25 YR -3DAY | B2-4 | BASIN-S8 | 71.83 | 4.58 | 7.5 | -23197 | 00 | 7.82 | 13.7 | 8.1 |
| 25 YR -3DAY | B3-0 | BASIN-S8 | 71.83 | 4.70 | 7.51 |  | -. 5 | -18.33 | -1.5 | -12.4 |
| 25 YR -3DAY | B3-1 | BASIN-S8 | 71.83 | 4.59 | 7.50 | 6774 | -2.20 | -11.30 | 3.2 | -8.3 |
| 25YR_3DAY | B3-2 | BASIN-S8 | 71.83 | 4.58 | 7.50 | 175.6 | 4.14 | -6.43 | -1.6 | -4.6 |
| 25YR-3DAY | B3-3 | BASIN-S8 | 71.83 | 4.56 | 7.50 | 1.328 | -2.32 | -4.48 | 1.7 | -2.0 |
| 25 YR -3DAY | B3-3A | BASIN-S8 | 71.83 | $4.5 r$ | 7.50 | 3087 | 1.60 | 1.57 | 2.3 | 4.0 |
| 25YR-3DAY | B3-4 | BASIN-S8 | 71.83 | 4 | . 50 | 74798 | 1.78 | -0.25 | 2.5 | -0.5 |
| 25YR-3DAY | B3-5 | BASIN-S8 | 71.83 | -6 | . 50 | 1755 | 2.03 | -0.25 | 2.7 | -0.2 |
| 25YR 3 DAY | B4-0 | BASIN-S8 | 71.83 | . 73 | 1.50 | 3530 | -10.79 | -18.34 | -5.9 | -13.1 |
| 25YR 3 DAY | B4-1 | BASIN-S8 | 71.83 | 62 |  | ¢18730 | -5.01 | -13.76 | 0.3 | -10.5 |
| 25 YR - 3 DAY | B4-2 | BASIN-S8 | 71.83 |  | 7.50 | 270857 | -5.18 | -8.81 | -2.1 | -6.8 |
| 25 YR -3DAY | B4-3 B4-4 | BASIN-S8 BASIN-S8 | 71.83 | 4. ${ }^{\text {4. }}$ | 7.50 7.50 | 268025 | -4.90 | -8.35 | $-1.9$ | -6.5 |
| 25YR_3DAY | B4-5 | BASIN-S8 | 7 , 3 | $\because .56$ | 7.50 | 253116 | -4.74 3.17 | -8.06 0.16 | -8.8 4.3 | -6.2 |
| 25YR-3DAY | B4-5A | BASIN-S8 | . 83 | ${ }^{5} 6$ | 7.50 | 3076 | 0.16 | -0.61 | 1.7 | 1.7 -9.1 |
| 25YR-3DAY | B4-5B | BASIN-S8 | 11.83 | 45 | 7.50 | 3077 | -0.61 | 1.58 | -9.1 | 23.3 |
| 25YR 3 DAY | B4-5C | BASIN-S8 | 71.83 | 4. | 7.50 | 3076 | 1.58 | -0.60 | 23.3 | -8.5 |
| 25YR-3DAY | B5-0 | BASIN-S8 | 83 | 4. | 7.50 | 659269 | 7.92 | 0.00 | 10.8 | 0.0 |
| 25YR_3DAY | B5-1 | BASIN-S8 | 7.3 | 4 : | 7.50 | 660350 | 11.62 | 3.69 | 13.8 | 2.9 |
| 25YR-3DAY | B5-2 | BASIN-S8 | 71. | , 5 | 7.50 | 265509 | 10.60 | 7.39 | 10.3 | 6.0 |
| 25 YR -3DAY | B5-3 | BASIN-S8 | 71.8 | . 56 | 7.50 | 353962 | 2.86 | -1.43 | 5.0 | -2.6 |
| 25 YR -3DAY | B5-4 | BASIN-S8 | 71.83 | 4.45 | 7.50 | 473407 | 3.96 | -0.95 | 6.8 | -0.3 |
| 25 YR -3DAY | B5-4A | BASIN-S8 | 71.83 | 4.55 | 7.50 | 3085 | -0.95 | -0.99 | -0.3 | -0.4 |
| 25YR-3DAY | B6-0 | BASIN-S8 | 71.83 | 4.54 | 7.50 | 540963 | 6.40 | 0.00 | 8.9 | 0.0 |
| 25 YR -3DAY | B6-1 | BASIN-S8 | 71.83 | 4.54 | 7.50 | 541317 | 8.84 | 2.44 | 11.4 | 2.2 |
| 25 YR -3DAY | B6-2 | BASIN-S8 | 71.83 | 4.55 | 7.50 | 125834 | 6.38 | 4.89 | -9.6 | 4.6 |
| 25YR_3DAY | B6-3 B6-3A | BASIN-S8 BASIN-S8 | 71.83 71.83 | 4.56 4.55 | 7.50 7.50 | 143210 3069 | 6.93 4.61 | 5.30 4.58 | 4.2 20.4 | 21.5 -12.2 |
| 25 YR - 3 DAY | B6-4 | BASIN-S8 | 71.83 | 4.56 | 7.50 | 253061 | 3.08 | 0.02 | 4.3 | 0.1 |
| 25YR_3DAY | B6-4A | BASIN-S8 | 71.83 | 4.56 | 7.50 | 3107 | 0.02 | 0.00 | 0.1 | 0.1 |
| 25YR-3DAY | B6-4B | BASIN-S8 | 71.83 | 4.56 | 7.50 | 3106 | 0.00 | -0.15 | 0.1 | -2.5 |
| 25YR-3DAY | B7-0 | BASIN-S8 | 71.83 | 4.57 | 7.50 | 219510 | 2.66 | 0.00 | 3.8 | 0.0 |
| 25YR_3DAY | B7-1 | BASIN-S8 | 71.83 | 4.57 | 7.50 | 602751 | 7.61 | 0.31 | 10.7 | 0.6 |
| 25YR_3DAY | B7-2 | BASIN-S8 | 71.83 | 4.58 | 7.50 | 206063 | 6.39 | 3.89 | 7.2 | 3.7 |



| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total <br> Vol In | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25YR_3DAY | B7-3 | BASIN-S8 | 71.83 | 4.58 | 7.50 | 399443 | 8.83 | 4.03 | 10.8 | 3.9 |
| 25YR-3DAY | B7-4 | BASIN-S8 | 71.83 | 4.58 | 7.50 | 224247 | 2.44 | -0.25 | 3.3 | -0.5 |
| 25 YR -3DAY | B7-4A | BASIN-S8 | 71.83 | 4.58 | 7.50 | 34796 | -0.25 | -0.67 | -0.5 | -1.2 |
| $25 \mathrm{YR}{ }^{-3 \mathrm{BDAY}}$ | B8-0 | BASIN-S8 | 71.83 | 4.81 | 7.50 | 321055 | -15.02 | -19.15 | -9.8 | -16.3 |
| 25 YR -3DAY | B8-1 | BASIN-S8 | 71.83 | 4.78 | 7.50 | 416058 | -11.46 | -16.54 | -9.7 | -18.1 |
| 25 YR -3DAY | B8-2 | BASIN--S8 | 71.83 | 4.66 | 7.50 | 382532 | -9.95 | -14.47 | -7.3 | -14.4 |
| 25 YR - 3 DAY | B8-3 | BASIN-S8 | 71.83 | 4.62 | 7.50 | 150224 | 1.90 | 0.09 | 2.8 | 0.1 |
| 25YR-3DAY | BC1-01 | BASIN-S8 | 71.83 | 5.41 | 7.50 | 104624 | 188.48 | 185.49 | 353.8 | 354.2 |
| 25 YR -3DAY | BC1-02 | BASIN-S8 | 71.83 | 5.39 | 7.50 | 104071 | 185.91 | 182.65 | 358.1 | 348.4 |
| 25 YR -3DAY | BC1-03 | BASIN-S8 | 71.83 | 5.37 | 7.50 | 102981 | 183.r | 179.23 | 352.3 | 354.4 |
| 25 YR -3DAY | BC1-04 | BASIN-S8 | 71.83 | 5.35 | 7.50 | 140368 | $17{ }^{\circ}$ | 173.96 | 358.3 | 357.0 |
| $25 \mathrm{YR}-3 \mathrm{DAY}$ | BC1-05 | BASIN-S8 | 71.83 | 5.34 | 7.50 | 139851 | 15. 05 | 9.92 | 347.9 | 340.7 |
| 25 YR -3DAY | BC1-06 | BASIN-S8 | 71.83 | 5.33 | 7.50 | 139483 | . 67.99 | 1. 41 | 438.1 | 417.8 |
| 25 YR - 3 DAY | BC1-07 | BASIN-S8 | 71.83 | 5.32 | 7.50 | 139015 | 144.47 | 136 | 411.2 | 439.3 |
| 25 YR -3DAY | BC1-08 | BASIN-S8 | 71.83 | 5.31 | 7.50 | 138690 | 137.32 | 114.2 | 443.2 | 403.7 |
| 25 YR -3DAY | BC1-09 | BASIN-S8 | 71.83 | 5.30 | 7.50 | 1006 | 114.97 | 837.28 | 407.7 | 408.5 |
| $25 \mathrm{YR}{ }^{-3} 3 \mathrm{DAY}$ | BC1-10 | BASIN-S8 | 71.83 | 5.30 | 7.50 | 510 | $83^{-}-8$ | 0.00 | 408.5 | 0.0 |
| 25YR-3DAY | BC2-01 | BASIN-S8 | 71.83 | 4.57 | 7.50 | 510ヶ | . 06 | -2.06 | 6.8 | -1.4 |
| 25 YR -3DAY | BC2-02 | BASIN-S8 | 71.83 | 4.57 | 7.50 | $25433 /$ | 8.33 | 5.27 | 8.6 | 4.1 |
| 25YR-3DAY | BC2-03 | BASIN-S8 | 71.83 | 4.55 | 7.50 | 503780 | 2.01 | -4.02 | 11.7 | -0.5 |
| 25YR 3 DAY | BC2-04 | BASIN-S8 | 71.83 | 4.54 | $7.5 r$ | 463229 | 3.46 | -2.01 | 8.7 | -3.1 |
| 25YR 3DAY | BC2-04A | BASIN-S8 | 71.83 | 4.55 | 7.6 | 3047 | 01 | -2.05 | -3.1 | 4.8 |
| 25YR-3DAY | BC2-05 | BASIN-S8 | 71.83 | 4.54 | 7.56 |  | - 3 | -7.91 | 0.8 | -5.4 |
| 25 YR -3DAY | BC2-06 | BASIN-S8 | 71.83 | 4.50 | 7.50 | 3761 | -3.10 | -7.15 | 1.0 | -4.9 |
| 25YR-3DAY | BC2-07 | BASIN-S8 | 71.83 | 4.50 | 7.50 | $375-0$ | 2.81 | -6.83 | 1.2 | -4.7 |
| 25YR-3DAY | BC2-09 BC2-10 | BASIN-S8 BASIN-S8 | 71.83 71.83 | $4.4{ }_{4}$ | 7.50 .50 | 22258 53090 | -2.96 | -5.53 | 0.1 | -3.8 |
| 25 YR -3DAY | SV-A | BASIN-S8 | 71.83 | 0.6 | . 50 | +3649 | -3.53 3.45 | -6.21 3.87 | -0.1 | -4.3 |
| 25YR-3DAY | SV-B | BASIN-S8 | 71.83 | 3. 64 | 1.50 | < 610 | 2.08 | 2.15 | 14.1 | 10.3 |
| 25YR-3DAY | SV-C | BASIN-S8 | 71.83 | 66 |  | 190915 | 24.24 | 24.34 | 37.4 | 30.5 |
| 25 YR -3DAY | SV-D | BASIN-S8 | 71.83 | 5 | 7.50 | 325124 | 2.24 2.19 | 2.30 2.40 | 15.4 | 30.5 3.9 |
| 25 YR -3DAY | SV-E | BASIN-S8 | 71.83 | 5. | 7.50 | 95663 | 0.58 | 0.60 | 4.2 | 0.5 |
| 25YR-3DAY | SV-F | BASIN-S8 | 71 | 5.6 | 7.50 | 83262 | 0.68 | 0.79 | 4.7 | 2.1 |
| 25 YR -3DAY | SV-H | BASIN-S8 | - 03 | . 67 | 7.50 | 77002 | 17.47 | 17.57 | 30.5 | 28.0 |
| 25 YR -3DAY | SV-I | BASIN-S8 | 1.83 | 92 | 7.50 | 529116 | 3.20 | 5.94 | 22.9 | 6.0 |
| 25YR-3DAY | SV-J SV-K | BASIN-S8 BASIN-S8 | 71.83 71.83 | 5 5. | 7.50 7.50 | 495927 | 7.74 | 9.73 | 28.3 | 8.2 |
| 25 YR -3DAY | SV-K | BASIN-S8 BASIN-S8 | 1.83 83 | 5. | 7.50 7.50 | 178154 92402 | 3.95 15.73 | 4.89 16.09 | 21.1 | 16.5 |
| 25YR-3DAY | SV-M | BASIN-S8 | 7.3 | 52 | 7.50 | 219808 | 6.86 | 16.09 8.00 | 21.6 | 16.5 13.5 |
| 25YR_3DAY | SV-N | BASIN-S8 | 71. | 30 | 7.50 | 236537 | 11.35 | 12.46 | 33.3 | 26.2 |
| 25 YR -3DAY | SV-O | BASIN-S8 | 71.8 | J. 64 | 7.50 | 190736 | 1.55 | 1.60 | 10.6 | 4.4 |
| 25YR 3DAY | SV-P | BASIN-S8 | 71.83 | 5.65 | 7.50 | 295470 | 6.23 | 6.49 | 26.5 | 16.9 |
| 25 YR -3DAY | SV-Q | BASIN-S8 | 71.83 | 5.64 | 7.50 | 5665699 | 174.16 | 175.13 | 423.7 | 228.7 |
| 25YR-3DAY | TG-1 | BASIN-S8 | 71.83 | 5.96 | 7.50 | 4872280 | 36.71 | 24.35 | 189.5 | 15.6 |
| 25YR_3DAY | TG-2 | BASIN-S8 | 71.83 | 5.74 | 7.50 | 1050835 | 22.84 | 23.87 | 66.3 | 37.0 |
| 25YR 3DAY | TG-3 | BASIN-S8 | 71.83 | 5.78 | 7.50 | 1685811 | 33.33 | 34.26 | 79.9 | 24.3 |
| 25YR 3DAY | TG-4 | BASIN-S8 | 71.83 | 5.96 | 7.50 | 297851 | 1.42 | 0.66 | 10.2 | 0.3 |
| 25YR 25 YDAY | TG-5 | BASIN-S8 BASIN-S8 | 71.83 | 6.02 | 7.50 | 3153441 | 17.65 | 15.08 | 130.6 | 38.4 |
| 25 YR -3DAY | WP-1 | BASIN-S8 | 71.83 | 5.65 | 7.50 | 7130867 | 6.46 41.50 | 11.27 50.05 | 298.3 | 26.4 49.4 |

$\begin{array}{llllll} & \text { SOUTH BROWARD DRAINAGE DISTRICT (SBDD) } \\ \text { BASIN S-8 } \\ 72 \text { HR NODAL STAGE REPORT FOR } 100 \text { YR } 3 \text { DAY STORM }\end{array}$

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total <br> Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100YR_3DAY | $1 \mathrm{K01}$ | BASIN-S8 | 71.83 | 6.91 | 8.00 | 1193419 | 22.85 | 17.27 | 47.7 | -1.7 |
| 100 YR -3DAY | $1 \mathrm{K02}$ | BASIN-S8 | 71.83 | 6.88 | 8.00 | 1665713 | 28.44 | 21.38 | 77.5 | 28.7 |
| 100YR_3DAY | 1K02A | BASIN-S8 | 71.83 | 5.97 | 7.50 | 31109 | 47.25 | 47.27 | 93.2 | 96.3 |
| 100YR 3DAY | $1 \mathrm{K03}$ | BASIN-S8 | 71.83 | 6.02 | 7.50 | 1093804 | 31.16 | 25.87 | 430.8 | 64.5 |
| 100 YR -3DAY | $1 \mathrm{K04}$ | BASIN-S8 | 71.83 | 6.02 | 7.50 | 1093817 | 8.17 | 22.99 | 48.2 | 382.6 |
| $100 \mathrm{YR}{ }^{-3 D A Y}$ | 1 K 15 | BASIN-S8 | 71.83 | 5.97 | 7.50 | 149804 | 47.40 | 47.40 | 97.6 | 89.5 |
| 100 YR -3DAY | 1L02 | BASIN-S8 | 71.83 | 6.91 | 8.00 | 2077877 | 9.92 | 17.27 | 68.7 | -13.6 |
| $100 \mathrm{YR}{ }^{-3 D A Y}$ | 1L03 | BASIN-S8 | 71.83 | 6.91 | 8.00 | 1650686 | 31.15 | -84.51 | 56.4 | -60.6 |
| 100YR 3DAY | $1 \mathrm{LO4}$ | BASIN-S8 | 71.83 | 6.91 | 8.00 | 98394 | -86.68 | 92.28 | -61.8 | 19.7 |
| 100YR-3DAY | 1L05 | BASIN-S8 | 71.83 | 6.91 | 8.00 | 2135556 | 102.' | -19.34 | 85.2 | 25.6 |
| $100 \mathrm{YR}{ }^{-3 D A Y}$ | 1L06 | BASIN-S8 | 71.83 | 6.91 | 8.00 | 386985 | -17 | 1.77 | 34.8 | -50.6 |
| 100 YR -3DAY | 1L07 | BASIN-S8 | 71.83 | 6.91 | 8.00 | 2086498 | 1.38 | 3.96 | 35.7 | -34.1 |
| $100 \mathrm{YR}-3 \mathrm{DAY}$ | 1001 | BASIN-S8 | 71.83 | 6.25 | 7.50 | 1072551 | 5.05 | 53 | 28.5 | 54.4 |
| $100 \mathrm{YR}-3 \mathrm{DAY}$ 100 YR 3DAY | 1002 | BASIN-S8 | 71.83 | 6.25 | 7.50 | 1072551 | 9.58 | $\checkmark$, | 83.0 | 14.0 |
| 100YR_3DAY | 1003 | BASIN-S8 BASIN-S8 | 71.83 71.83 | 6.20 6.20 | 7.50 7.50 | $96158{ }^{\circ}$ | 11.41 | 10.- | 40.0 | 55.0 |
| 100YR-3DAY | 1005 | BASIN-S8 | 71.83 | 6.02 | 7.50 | $89{ }^{\circ}$ | 15.1 | 19.54 | 80.9 50.3 | 24.4 43.3 |
| 100 YR -3DAY | 1006 | BASIN-S8 | 71.83 | 6.02 | 7.50 | 894: | . 14 | 25.17 | 69.3 | 42.2 |
| 100YR 3DAY | 1007 | BASIN-S8 | 71.83 | 5.90 | 7.50 | 84642 . | $\angle 9.76$ | 31.16 | 68.2 | 122.1 |
| 100 YR -3DAY | 1008 | BASIN-S8 | 71.83 | 5.90 | 7.50 | 1692390 | 46.33 | 49.12 | 264.7 | 86.5 |
| 100YR-3DAY | 1009 | BASIN-S8 | 71.83 | 5.90 | $7.5 r$ | 846197 | 4.59 | 5.99 | 25.9 | 90.7 |
| 100YR-3DAY | 1016 | BASIN-S8 | 71.83 | 5.72 | 7.2 | -Q1865 | 11 | 51.90 | 109.3 | 102.1 |
| 100YR_3DAY | 1017 | BASIN-S8 | 71.83 | 5.71 | 7.51 | lu. ${ }^{\text {a }}$ | 8. 8 | 84.04 | 209.4 | 143.7 |
| 100YR_3DAY | 1018 | BASIN-S8 | 71.83 | 5.69 | 7.50 | 6700 | 88.03 | 84.66 | 166.5 | 157.6 |
| 100 YR -3DAY | 1 P 01 | BASIN-S8 | 71.83 | 5.92 | 7.50 | $49 \mathrm{r}, 2$ | ¢9.74 | 48.76 | 103.9 | 89.7 |
| $100 \mathrm{YR}{ }^{-3 D A Y}$ | 1 P 02 | BASIN-S8 | 71.83 | 5.92 | 7.50 | = 905 | 50.47 | 49.60 | 99.6 | 88.6 |
| 100YR-3DAY | 1 P 03 | BASIN-S8 | 71.83 | 5.9 | 7.50 | 06602 | 3.43 | 3.58 | 19.6 | 7.8 |
| 100YR-3DAY | 1 P 04 | BASIN-S8 | 71.83 | 5 | . 50 | ? 3738 | 17.05 | 17.62 | 96.6 | -0.4 |
| 100 YR -3DAY | 1 P 05 | BASIN-S8 | 71.83 | ${ }^{91}$ | . 50 | ${ }^{2} 9744$ | 69.11 | 68.02 | 98.8 | 99.5 |
| 100YR_3DAY | 1 l 06 | BASIN-S8 BASIN-S8 | 71.83 71.83 | J. 89 92 | 1.50 | 25 889067 | 312.73 | 300.16 | 535.3 | 455.1 |
| 100YR_3DAY | 1 P 08 | BASIN-S8 | 71.83 | 5 | 7.50 | . 065206 | 234.08 5.16 | 230.94 3.72 | 363.3 29.2 | 357.9 7.0 |
| 100YR_3DAY | 1 P 09 | BASIN-S8 | 71.83 | 6. | 7.50 | 1065110 | 8.88 | 7.44 | 36.1 | 13.9 |
| 100 YR -3DAY | 1 P 10 | BASIN-S8 | 71 | 6.14 | 7.50 | 1039383 | 12.60 | 11.45 | 43.1 | 22.3 |
| 100YR 3DAY | 1 P 11 | BASIN-S8 | $\checkmark 3$ | -. 10 | 7.50 | 1151714 | 17.19 | 15.88 | 54.8 | 32.1 |
| 100YR_3DAY | 1 P 12 | BASIN-S8 | 1.83 | 97 | 7.50 | 812784 | 20.28 | 15.25 | 57.0 | 38.2 |
| 100YR_3DAY | $1 \mathrm{P13}$ | BASIN-S8 | 71.83 | $\llcorner 7$ | 7.50 | 532057 | 317.70 | 314.38 | 506.4 | 556.9 |
| 100YR 3DAY | 1P14 | BASIN-S8 | 71.83 | 5. | 7.50 | 865525 | 318.97 | 312.25 | 582.9 | 517.2 |
| 100 YR -3DAY | 2 K 05 | BASIN-S8 | 83 | 6. | 8.00 | 1617492 | 9.55 | 1.58 | 66.2 | 7.1 |
| 100YR-3DAY | $2 \mathrm{K06}$ | BASIN-S8 | i. ${ }^{3}$ | 61 | 8.00 | 376974 | 3.37 | 1.22 | 18.7 | 4.1 |
| 100YR 3DAY | $2 \mathrm{K07}$ | BASIN-S8 | 71. | $\pm 3$ | 8.00 | 805428 | 5.27 | -1.18 | 31.0 | -0.7 |
| 100YR_3DAY | $2 \mathrm{K08}$ | BASIN-S8 | 71.8 | J. 93 | 8.00 | 633241 | 1.77 | -3.21 | 19.2 | -7.9 |
| 100YR_3DAY | $2 \mathrm{K09}$ | BASIN-S8 | 71.83 | 6.99 | 8.00 | 1798252 | 6.28 | 1.45 | 53.2 | -22.5 |
| 100YR_3DAY | $2 \mathrm{K10}$ | BASIN-S8 | 71.83 | 6.99 | 8.00 | 270497 | 2.92 | 2.20 | -13.0 | -22.6 |
| 100YR_3DAY | 2 K 11 | BASIN-S8 | 71.83 | 6.99 | 8.00 | 155426 | 1.10 | 0.69 | 9.6 | 2.1 |
| 100YR_3DAY | $2 \mathrm{K12}$ | BASIN-S8 | 71.83 | 6.92 | 8.00 | 1226725 | 16.20 | 11.11 | 73.9 | 25.6 |
| 100YR_3DAY | 2 K 13 | BASIN-S8 | 71.83 | 6.99 | 8.00 | 1088874 | 12.40 | 9.51 | 59.6 | 26.4 |
| 100 YR -3DAY | $2 \mathrm{K14}$ | BASIN-S8 | 71.83 | 6.97 | 8.00 | 8809 | 9.51 | 9.48 | 26.4 | 25.7 |
| 100YR-3DAY | 2 LO 9 | BASIN-S8 | 71.83 | 6.93 | 8.00 | 3158054 | 14.22 | -0.49 | 87.7 | -32.2 |
| 100YR_3DAY | 2 L 10 | BASIN-S8 | 71.83 | 6.93 | 8.00 | 8735 | -0.49 | 0.38 | -32.2 | -32.9 |
| 100 YR -3DAY | 2L11 | BASIN-S8 | 71.83 | 6.93 | 8.00 | 1188837 | 12.71 | 6.77 | 65.2 | 38.8 |
| 100YR_3DAY | 2 L 12 | BASIN-S8 | 71.83 | 6.92 | 8.00 | 1444007 | 14.24 | 7.42 | 88.6 | 30.7 |
| 100 YR -3DAY | $2 \mathrm{L13}$ | BASIN-S8 | 71.83 | 6.77 | 8.00 | 2234585 | 12.42 | -1.87 | 86.1 | 1.6 |
| 100YR-3DAY | 2L14 | BASIN-S8 | 71.83 | 6.77 | 8.00 | 1048383 | 2.73 | -3.96 | 30.3 | -8.8 |
| 100YR_3DAY | 2L15 | BASIN-S8 | 71.83 | 6.89 | 8.00 | 8721 | -3.96 | -4.00 | -8.8 | -9.4 |

$\begin{array}{lllll} & \text { SOUTH BROWARD DRAINAGE DISTRICT (SBDD) } \\ \text { BA.SIN S-8 } \\ & 72 \mathrm{HR} \text { NODAL STAGE REPORT FOR } 100 \text { YR } 3 \text { DAY STORM } \\ \text { TABLE II-G-8 }\end{array}$

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In | Total Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100YR_3DAY | 2L18 | BASIN-S8 | 71.83 | 6.96 | 8.00 | 1145445 | 8.18 | 4.93 | 67.5 | 18.5 |
| 100YR-3DAY | 2L19 | BASIN-S8 | 71.83 | 6.95 | 8.00 | 22145 | 4.93 | 4.86 | 18.5 | 17.4 |
| 100 YR -3DAY | 2L20 | BASIN-S8 | 71.83 | 6.95 | 8.00 | 22099 | 4.86 | 4.79 | 17.4 | 16.3 |
| 100 YR -3DAY | 2010 | BASIN-S8 | 71.83 | 5.73 | 7.50 | 801724 | 4.59 | 0.00 | 25.9 | 273.8 |
| 100 YR -3DAY | 2011 | BASIN-S8 | 71.83 | 5.73 | 7.50 | 1057188 | 5.51 | 11.90 | 307.4 | 9.2 |
| 100 YR -3DAY | 2012 | BASIN-S8 | 71.83 | 5.72 | 7.50 | 795832 | 16.49 | 15.69 | 35.1 | 305.4 |
| 100 YR -3DAY | 2013 | BASIN-S8 | 71.83 | 5.72 | 7.50 | 1767332 | 25.06 | ?2.86 | 362.2 | 30.1 |
| 100YR 3DAY | 2014 | BASIN-S8 | 71.83 | 5.71 | 7.50 | 705667 | 26.87 | 25.78 | 52.8 | 44.7 |
| 100 YR 3DAY | 2015 | BASIN-S8 | 71.83 | 5.71 | 7.50 | 761771 | 4.59 | 3.06 | 25.9 | 15.1 |
| 100YR 3DAY | 3L16 | BASIN-S8 | 71.83 | 6.90 | 8.00 | 638834 | 2.5 | 0.00 | 16.4 | -0.9 |
| 100YR 3DAY | 3L17 | BASIN-S8 | 71.83 | 6.90 | 8.00 | 638862 |  | -2.17 | 15.4 | -1.1 |
| 100 YR -3DAY | B1-1 | BASIN-S8 | 71.83 | 4.89 | 7.50 | 474474 | . 56 | 9.41 | 2.9 | -6.8 |
| 100 YR -3DAY | B1-2 | BASIN-S8 | 71.83 | 4.88 | 7.50 | 160826 | -7.77 | - 10 | -3.4 | -6.9 |
| 100 YR -3DAY | B1-3 | BASIN-S8 | 71.83 | 4.83 | 7.50 | 920555 | 3.23 | -14? | 10.3 | -8.2 |
| 100 YR -3DAY | B1-4 | BASIN-S8 | 71.83 | 4.82 | 7.50 | 81916 C | 5.08 | -6.- | 11.2 | -5.1 |
| 100YR-3DAY | B1-5 | BASIN-S8 | 71.83 | 4.81 | 7.50 | 7801 | 7.12 | -4.26 | 12.5 | -2.7 |
| 100YR-3DAY | B1-6 | BASIN-S8 | 71.83 | 4.81 | 7.50 | 7751 | +.5 | -2.21 | 13.8 | -1.4 |
| 100YR-3DAY | B2-0 | BASIN-S8 | 71.83 | 5.11 | 7.50 | 263 し | . 53 | -14.13 | -3.7 | -10.1 |
| 100 YR 3DAY | B2-1 | BASIN-S8 | 71.83 | 5.09 | 7.50 | 27462 | 4.18 | -1.21 | 5.7 | -0.9 |
| 100 YR 3DAY | B2-2 | BASIN-S8 | 71.83 | 5.08 | 7.50 | 271107 | 15.68 | 10.62 | 14.3 | 7.8 |
| 100 YR 3DAY | B2-3 | BASIN-S8 | 71.83 | 5.00 | $7.5 r$ | 252115 | 2.19 | 7.96 | 17.1 | 11.4 |
| 100YR_3DAY | B2-4 | BASIN-S8 | 71.83 | 4.99 | 7.1 | - 3129 | 20 | 7.47 | 19.5 | 10.5 |
| 100 YR -3DAY | B3-0 | BASIN-S8 | 71.83 | 5.05 | 7.51 |  | -. 5 | -16.47 | 2.1 | -14.0 |
| 100 YR -3DAY | B3-1 | BASIN-S8 | 71.83 | 4.99 | 7.50 | $837 r$ | 3.67 | -10.59 | 9.1 | -9.4 |
| 100 YR -3DAY | B3-2 | BASIN-S8 | 71.83 | 4.99 | 7.50 | 21 , 9 | 1.49 | -5.07 | 1.0 | -4.0 |
| 100 YR 3DAY | B3-3 | BASIN-S8 | 71.83 | 4.98 | 7.50 | -,221 | 0.30 | -3.16 | 4.4 | 3.7 |
| 100 YR -3DAY | B3-3A | BASIN-S8 | 71.83 | 4.9r | 7.50 | 4301 | 1.85 | 1.78 | 7.6 | -1.5 |
| 100 YR _3DAY | B3-4 B3-5 3 | BASIN-S8 BASIN-S8 | 71.83 71.83 | $4{ }^{4} 8$ | .50 .50 | 16715 6683 | 3.68 | 0.46 | 5.1 | 0.1 |
| $100 \mathrm{YR}^{-3 \mathrm{Cay}}$ | B4-0 | BASIN-S8 | 71.83 | $\bigcirc .10$ | 1.50 | $4 \quad 697$ | 3.68 -7.21 | 0.00 -16.56 | 5.0 -4.2 | 0.1 -15.0 |
| 100 YR -3DAY | B4-1 | BASIN-S8 | 71.83 | . 02 |  | 700000 | -0.27 | -13.44 | -4.8 | -12.3 |
| 100 YR -3DAY | B4-2 | BASIN-S8 | 71.83 | 1 | 7.50 | 334502 | -2.64 | -8.12 | 0.6 | -12.3 |
| 100YR-3DAY | B4-3 | BASIN-S8 | 71.83 | 5. | 7.50 | 333094 | -3.04 | -8.37 | 0.2 | -7.9 |
| 100 YR -3DAY | B4-4 | BASIN-S8 | 71 | 4.92 | 7.50 | 390285 | -2.61 | -8.77 | 5.8 | -7.6 |
| 100 YR -3DAY | B4-5 | BASIN-S8 | - 63 | 1.98 | 7.50 | 319514 | 5.73 | 0.87 | 7.8 | -0.6 |
| 100 YR -3DAY | B4-5A | BASIN-S8 | 1.83 | 98 | 7.50 | 4291 | 0.87 | 0.80 | -0.6 | 9.9 |
| 100 YR -3DAY | B4-5B | BASIN-S8 | 71.83 | 48 | 7.50 | 4291 | 0.80 | 0.73 | 9.9 | -22.2 |
| 100 YR -3DAY | B4-5C | BASIN-S8 | 71.83 | 4.3 | 7.50 | 4290 | 0.73 | 0.67 | -22.2 | 9.0 |
| 100 YR -3DAY | B5-0 | BASIN-S8 | . 83 | 4. | 7.50 | 820586 | 13.77 | 0.00 | 17.7 | 0.0 |
| 100 YR -3DAY | B5-1 | BASIN-S8 | 7. ${ }^{3}$ | 4 5 | 7.50 | 822008 | 18.69 | 5.03 | 22.4 | 4.7 |
| 100 YR -3DAY | B5-2 | BASIN-S8 | 71. | 97 | 7.50 | 331309 | 15.27 | 9.95 | 16.7 | 9.3 |
| 100 YR -3DAY | B5-3 | BASIN-S8 | 71.8 | . 98 | 7.50 | 422303 | 5.43 | -1.24 | 8.1 | -0.5 |
| 100 YR -3DAY | B5-4 | BASIN-S8 | 71.83 | 4.88 | 7.50 | 606934 | 8.25 | -1.86 | 11.5 | -0.9 |
| 100 YR -3DAY | B5-4A | BASIN-S8 | 71.83 | 4.96 | 7.50 | 4255 | -1.86 | -1.93 | -0.9 | -1.3 |
| 100 YR -3DAY | B6-0 | BASIN-S8 | 71.83 | 4.95 | 7.50 | 671679 | 11.02 | 0.00 | 14.7 | 0.0 |
| 100 YR - 3DAY | B6-1 B6-2 | BASIN-S8 | 71.83 | 4.95 | 7.50 | 671984 | 13.77 | 2.78 | 17.6 | 3.3 |
| 100YR_3DAY | B6-3 | BASIN-S8 | 71.83 71.83 | 4.96 4.98 | 7.50 | 158089 177098 | 8.06 10.27 | 5.53 7.48 | 25.1 13.8 | 6.1 -8.9 |
| 100 YR -3DAY | B6-3A | BASIN-S8 | 71.83 | 4.97 | 7.50 | 4275 | 5.85 | 5.78 | -10.5 | 20.5 |
| 100 YR -3DAY | B6-4 | BASIN-S8 | 71.83 | 5.00 | 7.50 | 322385 | 5.57 | 0.78 | 7.6 | 0.6 |
| 100YR-3DAY | B6-4A | BASIN-S8 | 71.83 | 4.99 | 7.50 | 4351 | 0.78 | 0.71 | 0.6 | 0.5 |
| 100 YR -3DAY | B6-4B | BASIN-S8 | 71.83 | 4.98 | 7.50 | 4316 | 0.71 | 0.64 | 0.5 | 2.8 |
| $100 \mathrm{YR}{ }^{-3 D A Y}$ | B7-0 | BASIN-S8 | 71.83 | 5.00 | 7.50 | 271977 | 4.44 | 0.00 | 6.2 | 0.0 |
| 100 YR -3DAY | B7-1 | BASIN-S8 | 71.83 | 5.00 | 7.50 | 755747 | 12.53 | 0.18 | 17.2 | 0.4 |
| 100YR_3DAY | B7-2 | BASIN-S8 | 71.83 | 5.01 | 7.50 | 256904 | 9.02 | 4.86 | 11.4 | 5.6 |

$\begin{array}{ll} & \text { SOUTH BROWARD DRAINAGE DISTRICT (SBDD) } \\ \text { BASIN S-8 } \\ 72 \mathrm{HR} \text { NODAL STAGE REPORT FOR } 100 \text { YR } 3 \text { DAY STORM }\end{array}$

| Simulation | Node | Group | Time hrs | Stage ft | $\begin{gathered} \text { Warning } \\ \text { Stage } \\ \text { ft } \end{gathered}$ | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100YR_3DAY | B7-3 | BASIN-S8 | 71.83 | 5.01 | 7.50 | 499954 | 12.78 | 4.77 | 16.8 | 5.6 |
| 100 YR -3DAY | B7-4 | BASIN-S8 | 71.83 | 5.01 | 7.50 | 279597 | 4.41 | 0.00 | 6.0 | -0.3 |
| 100 YR -3DAY | B7-4A | BASIN-S8 | 71.83 | 5.01 | 7.50 | 41397 | 0.00 | -0.71 | -0.3 | -1.4 |
| 100 YR -3DAY | B8-0 | BASIN-S8 | 71.83 | 5.19 | 7.50 | 372436 | -14.17 | -19.68 | -10.4 | -19.9 |
| 100 YR -3DAY | B8-1 | BASIN-S8 | 71.83 | 5.17 | 7.50 | 484425 | -9.26 | -16.32 | -10.5 | -22.9 |
| 100YR 3DAY | B8-2 | BASIN-S8 | 71.83 | 5.09 | 7.50 | 462927 | -8.51 | -15.57 | -7.4 | -18.6 |
| 100YR-3DAY | B8-3 | BASIN-S8 | 71.83 | 5.05 | 7.50 | 184090 | 2.40 | -0.49 | 4.8 | 0.4 |
| 100YR_3DAY | BC1-01 | BASIN-S8 | 71.83 | 5.62 | 7.50 | 112517 | 293.13 | 290.47 | 502.4 | 547.9 |
| $100 \mathrm{YR}{ }^{-3 D A Y}$ | BC1-02 | BASIN-S8 | 71.83 | 5.59 | 7.50 | 111359 | 291.02 | 288.09 | 553.0 | 488.1 |
| 100YR-3DAY | BC1-03 | BASIN-S8 | 71.83 | 5.52 | 7.50 | 108649 | 288. | 285.14 | 493.1 | 543.4 |
| $100 \mathrm{YR}{ }^{-3 D A Y}$ | BC1-04 | BASIN-S8 | 71.83 | 5.49 | 7.50 | 145619 | $28^{\circ}$, 9 | $\bigcirc 80.53$ | 548.5 | 506.2 |
| $100 \mathrm{YR}{ }^{-3 D A Y}$ | BC1-05 | BASIN-S8 | 71.83 | 5.45 | 7.50 | 144328 | 2 L .52 | 2. 92 | 496.3 | 516.5 |
| 100YR-3DAY | BC1-06 | BASIN-S8 | 71.83 | 5.42 | 7.50 | 143224 | $\bigcirc 27.66$ | 3.51 | 665.2 | 634.3 |
| 100YR_3DAY | BC1-07 | BASIN-S8 | 71.83 | 5.38 | 7.50 | 141474 | 308.03 | 301 , | 629.3 | 653.3 |
| 100YR-3DAY | BC1-08 | BASIN-S8 | 71.83 | 5.34 | 7.50 | $13992{ }^{\text {- }}$ | 301.75 | 303.6 | 658.4 | 626.4 |
| 100YR_3DAY | BC1-09 | BASIN-S8 | 71.83 | 5.30 | 7.50 | 1005 | 30413 | 0.00 | 631.4 | 632.1 |
| 100YR_3DAY | BC1-10 | BASIN-S8 | 71.83 | 5.30 | 7.50 | ? | - 0 | 0.00 | 632.1 | 0.0 |
| 100 YR -3DAY | BC2-01 | BASIN-S8 | 71.83 | 5.00 | 7.50 | $643 \%$. | . 46 | -1.85 | 11.7 | -2.5 |
| 100 YR -3DAY | BC2-02 | BASIN-S8 | 71.83 | 4.99 | 7.50 | 32049 | 12.41 | 7.35 | 13.1 | 6.4 |
| 100YR-3DAY | BC2-03 | BASIN-S8 | 71.83 | 4.97 | 7.50 | 635735 | 6.61 | -3.68 | 17.7 | -0.6 |
| 100YR_3DAY | BC2-04 | BASIN-S8 | 71.83 | 4.97 | $7.5{ }^{\prime}$ | 579785 | 7.62 | -1.79 | 14.4 | -3.1 |
| 100YR_3DAY | $\mathrm{BC} 2-04 \mathrm{~A}$ | BASIN-S8 | 71.83 | 4.97 | 7.5 | 1271 | 79 | -1.86 | -3.1 | 6.1 |
| 100YR_3DAY | BC2-05 | BASIN-S8 | 71.83 | 4.96 | 7.56 | 40. | ᄂ 3 | -7.25 | 4.1 | -6.3 |
| 100YR 3DAY | BC2-06 | BASIN-S8 | 71.83 | 4.92 | 7.50 | $476{ }^{\circ}$ | 0.28 | -7.19 | 4.2 | -5.9 |
| 100YR_3DAY | BC2-07 | BASIN-S8 | 71.83 | 4.92 | 7.50 | $47-1$ | -0.10 | -7.53 | 4.2 | -5.8 |
| 100YR-3DAY | BC2-08 | BASIN-S8 | 71.83 | 4.91 | 7.50 | 「,953 | 1.51 | -7.91 | 7.0 | -5.8 |
| 100 YR -3DAY | BC2-09 | BASIN-S8 | 71.83 | 4.9 | 7.50 | 17606 | -2.37 | -6.96 | 2.0 | -4.7 |
| 100YR-3DAY | BC2-10 | BASIN-S8 | 71.83 | 4 , | . 50 | ? 8692 | -3.52 | -8.26 | 1.1 | -6.0 |
| 100YR-3DAY | SV-A | BASIN-S8 | 71.83 | 09 | . 50 | 7426 | 4.59 | 5.48 | 34.5 | 15.1 |
| 100YR_3DAY | SV-B | BASIN-S8 | 71.83 | 0.07 | 7.50 | § 562 | 2.79 | 3.16 | 19.8 | 8.9 |
| 100YR_3DAY | SV-C | BASIN-S8 | 71.83 | 09 |  | $\bigcirc 53237$ | 27.28 | 27.53 | 54.7 | 45.6 |
| 100YR-3DAY | SV-D | BASIN-S8 | 71.83 |  | 7.50 | 442226 | 2.93 | 3.41 | 21.5 | 6.1 |
| 100 YR -3DAY | SV-E | BASIN-S8 | 71.83 | 6. | 7.50 | 122178 | 0.77 | 0.88 | 5.8 | 1.1 |
| 100YR-3DAY | SV-F | BASIN-S8 | 73 | 6.12 | 7.50 | 121463 | 0.92 | 1.10 | 6.6 | 2.9 |
| 100YR-3DAY | SV-H | BASIN-S8 | -. 83 | . 12 | 7.50 | 109055 | 20.84 | 21.01 | 39.4 | 36.0 |
| 100YR-3DAY | SV-I | BASIN-S8 | 1.83 | 32 | 7.50 | 651515 | 4.28 | 6.64 | 31.7 | 7.7 |
| 100YR-3DAY | SV-J | BASIN-S8 | 71.83 | 65 | 7.50 | 612625 | 9.49 | 11.30 | 37.7 | 11.4 |
| 100YR-3DAY | SV-K | BASIN-S8 | 1.83 | 6. | 7.50 | 338574 | 4.94 | 6.22 | 27.7 | 20.2 |
| 100YR 3DAY | SV-L | BASIN-S8 | 83 | 6. | 7.50 | 121411 | 18.59 | 18.95 | 35.4 | 30.8 |
| 100YR-3DAY | SV-M | BASIN-S8 | 7.3 | 62 | 7.50 | 288682 | 8.39 | 9.45 | 28.1 | 17.0 |
| 100YR 3DAY | SV-N | BASIN-S8 | 71. | 30 | 7.50 | 341713 | 13.68 | 14.85 | 42.6 | 32.1 |
| 100YR_3DAY | SV-O | BASIN-S8 | 71.85 | 0.07 | 7.50 | 273230 | 2.08 | 2.34 | 14.9 | 6.5 |
| 100YR 3DAY | SV-P | BASIN-S8 | 71.83 | 6.09 | 7.50 | 423922 | 8.64 | 9.29 | 37.9 | 24.7 |
| 100YR_3DAY | SV-Q | BASIN-S8 | 71.83 | 6.07 | 7.50 | 7214655 | 222.91 | 229.37 | 601.1 | 336.7 |
| 100YR 3DAY | TG-1 | BASIN-S8 | 71.83 | 6.41 | 7.50 | 5956068 | 44.75 | 23.63 | 256.4 | 27.1 |
| 100YR_3DAY | TG-2 | BASIN-S8 | 71.83 | 6.19 | 7.50 | 1667327 | 25.60 | 26.84 | 95.6 | 52.1 |
| 100YR_3DAY | TG-3 | BASIN-S8 | 71.83 | 6.23 | 7.50 | 2173353 | 35.57 | 35.66 | 115.9 | 40.1 |
| 100YR-3DAY | TG-4 | BASIN-S8 | 71.83 | 6.41 | 7.50 | 373318 | 1.88 | 0.56 | 14.1 | 0.7 |
| 100YR_3DAY | TG-5 | BASIN-S8 | 71.83 | 6.47 | 7.50 | 4344532 | 23.32 | 16.27 | 178.7 | 47.3 |
| 100YR_3DAY | TG-6 | BASIN-S8 | 71.83 | 6.33 | 7.50 | 1254769 | 8.39 | 13.23 | 69.2 | 31.1 |
| 100YR_3DAY | WP-1 | BASIN-S8 | 71.83 | 6.09 | 7.50 | 9261993 | 55.50 | 70.50 | 412.3 | 79.8 |

## SOUTH BROWARD DRAINAGE DISTRICT



## BASINS S-9 arıd S-I 0



## DESCRIPTION

Basins S-9 and S-10 are located in the northwest quadrant of SBDD and have a total area of approximately 11 square miles. Both basins include portions of the Town of Southwest Ranches and the City of Pembroke Pines.

The basin boundaries and existing facilities for the S-9 and S-10 basins are presented in Figure II-H-1, and Table II-H-1 provides a summary of the Basin S-9/S-10 characteristics. For purposes of the Facilities Report, Basin S-9 and Basin S-10 have been modeled and are represented as a single, interconnected drainage basin.

The land use in these basins is a mixture of rural and urban residential development, and includes a concentration of commercial and indus rial uses west of SW 196 th Avenue. Most of Section 11 is a wetland preserve an' a part of the Florida Wetlands Bank.

Basins S-9/S-10 have three (3) primary control cructures $\mathrm{t}_{\mathrm{t}}+$ regulate discharge into the SFWMD C-11 Canal and three (3) inte rediat control structures that regulate discharge from the City of Pembroke Pines to $t_{1} T$ wn of SW Ranches. Discharge from the basin is conveyed through three SRDD prin. V canals: Canal 12, Canal 13, and Canal 13A. The two basins are hydrau ica. ronnt ed through a 72 " diameter culvert at the Laguna Isles residential developme $t$, s $\mu$ ı. "Stirling Road.

Since 2005, there has been v y lir ted r. w development within the S-9/S-10 Basins and all of the required b er m inceme $i$ systems (lake areas) are in place and operational.

The following imprr ements 'ave `een completed within the S-9/S-10 Basins since 2005:

- All direct, gravity $\urcorner \mathrm{nr}$-tions into the SFWMD C-11 Canal have been removed.
- The District comple. d the installation of control structures at the SFWMD C-11 Canal at SBDD Canal No. 12 (CS-12), SBDD Canal No. 13 (CS-13) and SBDD Canal No. 13A (CS-13A).
- The installation of three (3) intermediate control structures at the southern limits of the Town of SW Ranches at SBDD Canal No. 12 (ICS-12), SBDD Canal No. 13 (ICS-13) and SBDD Canal No. 13A (ICS-13A) was completed. These intermediate structures were installed as part of a pilot project under a Memorandum of Agreement (MOA) among SFWMD, SW Ranches, SBDD and the Department of Agriculture and Consumer Services with the primary objectives to lower groundwater elevations in SW Ranches and improve water quality.
- An interconnect between SBDD Canal Nos. 13 and 13A, south of Stirling Road and west of SW 196th Avenue, was completed.
- Installation of a rear yard drainage system at SW 196 th Avenue, south of Griffin Road.
- Canal excavation between Canal No. 12 and Laguna Isles development.
- Miscellaneous culvert replacements.
- Miscellaneous lake bank restorations following Hurricane Wilma.
- Installation of revetment stabilization at miscellaneous lake interconnects.
- Miscellaneous culvert cleanings, swale improvements and weir removals.

The following new developments have been completed:

* Auto Zone at Silver Lakes, SW Area Bus Facility, Insurance Auto Auction, Raychel Industries, Mobil Mini, Verizon, Bergeron Nursery, Somerset Academy Gym, and West Broward High School.

The following infrastructure improvements are proposed for the S-9/S-10 Basins:

- Continued hardening of lake banks and headwalls at critical lake interconnect locations.
- Installation of boat ramps for improved access by SBDD maintenance crews.
- Miscellaneous swale and culvert repairs/replaceme .s.
- Continue to meet the objectives of the MOA ? convert the pilot project to a permanent, year-round, permitted project.
- Installation of an automated control gate $\mathfrak{c}$ the basir tivide between Basin S-9 and Basin S-5 at Pines Boulevard.


## METHODOLOGY

The water management systems for Basi s $r 9 / \mathrm{S}-0$ are interconnected with regulated discharge to the SFWMD C-11 $\sim a .1$ thi ugh three (3) control structures located on SBDD Canal Nos. 12, 13 ar 13A. 'hese , ructures provide for the total water quality treatment required for the $\mathrm{ba}_{\mathrm{a}} \mathrm{ns}^{\mathrm{n}}$. $1 \mathrm{u} . .$. a combined maximum discharge rate of 363 cfs. Water quality reqי ment. 'nd discharge rates from the S-9 and S-10 Basins are regulated by the SFV aD Per. 't \# , T-01400-S.

The control elevatior ` 7 r Basin $\mathrm{S}-9 / \mathrm{S}-10$ was modified to 4.0' NGVD in 2004. Three intermediate control stı . tur, were installed in 2011 to allow SBDD to lower the control water elevation in the SW anches area to elevation 3.0' NGVD during the rainy season as dictated under the pilot program described above. The installation of the intermediate control structures was permitted under a modification to SFWMD Permit \#06-01400-S.

Figure II-H-1 depicts the existing facilities in Basins S-9/S-10 and Table II-H-2 provides the existing culvert schedule for the basins. Figures II-H-2, II-H-3, II-H-4, and II-H-5 show the existing flood gates, control structures, staff gauges, and fish guards within the basins, respectively, with corresponding Schedule Tables II-H-3, II-H-4, II-H-5 and II-H6.

## MODEL ANALYSIS

The AdICPR model for Basins S-9/S-10 has been updated to reflect the current operating conditions of these interconnected basins.

All discharge structures for the primary canals were modeled as gated drop structures with a maximum, permitted discharge rate of 363 cfs . The intermediate structures were modeled as open culvert connections since these structures do not have any discharge or water quality restrictions.

The flood stages at critical locations in Basins S-9/S-10 were evaluated to ensure that the required Level of Service for both basins is being met.

Based on the AdICPR model results, all properties within Basins S-9/S-10 meet the District's adopted Level of Service. The model results also show that SBDD's three primary canals which serve the basins, Canal No. 12, Canal No. 13 and Canal No. 13A are not restrictive and the peak stages and cumulative head loss in these canals are acceptable. The required water quality for the basins is provided through three control structures located at the SFWMD C-11 Canal.

Figure II-H-6 shows the AdICPR nodal diagram for Basins S-9/S-10 and Tables II-H-7 and II-H-8 list the AdICPR output data for maximum star $s$ and 72 -hour stages at each node within the basins.

## SUMMARY \& RECOMMENDATIONS

The model results show that Basins S-9/S-10. adequately served by the existing water management and conveyance sy: $e_{1}$ that $a_{1}$ currently in place; and that both basins meet the District's adopted Level of $S . v . \quad$ The required water quality for the basins is met behind SBDD C $\quad 1$ Stru ares 12,13 and 13 A and these structures regulate the total allowable dj narge of 36i fs to the SFWMD C-11 Canal.

The installation of the intern. $\mathrm{Hi}_{\text {i }}$.e conuul structures and implementation of the pilot project have allowed $\mathrm{S}^{\text {r }} \ldots$ ' n lo ${ }^{\circ} \mathrm{r}$ the water table elevation in SW Ranches during the rainy season and $b$, resulte in 1 , jer flood stages and a reduction in the duration of peak stages.

The following recommen , tj , s are proposed in order to improve the performance of the water management system in the S-9/S-10 Basins:

- Continue to meet the objectives of the MOA and convert the pilot project to a permanent, year-round, permitted project.

Install an automated control gate at the basin divide between Basin S-9 and Basin S-5 at Pines Boulevard. This will provide the District more flexibility in operating and managing the overall water management system between the S-9 Basin and the S-5 Basin, especially during extreme rainfall events. There currently exists a 72 " diameter interconnect with a manually operated sluice gate at this location.

## SUMMARY OF BASIN CHARACTERISTICS BASIN S-9 \& 10

GENERAL
TOTAL BASIN AREA
TOTAL PERVIOUS AREA
TOTAL IMPERVIOUS AREA
LAKE AREA
DESIGN CONTROL ELEVATION
10-YEAR 3-DAY FLOOD ELEVATION
(MINIMUM ROAD CROWN)
100-YEAR 3-DAY FLOOD ELEVATION
(MINIMUM FINISHED FLOOR ELEVATION)

| $(\mathrm{AC})$ | 6925 |
| :--- | :---: |
| $(\mathrm{AC})$ | $3265(47 \%)$ |
| $(\mathrm{AC})$ | $2410(35 \%)$ |
| $(\mathrm{AC})$ | $1250(18 \%)$ |


| (FT NGVD) | 4.00 |
| :--- | :--- |
| (FT NGVD) | 6.50 |

(FT N「JD) 8.00
(MINIMUM FINISHED FLOOR ELEVATION)

FLOOD GATES
DISCHARGE CONTROL STRUCT ${ }^{\prime}$, ES

121
(CFS)
121
(CFS)
121
SFWMD C-11




SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-9 \& S-10 EXISTING FACILITIES MAP

## Legend

$\sim \sim$ SFWMD Canal

- Culverts 2012SBDD Pump Station
5 Water Bodies


1,000

TABLE II-H-2

| ID | BASIN S-9 \& S-10 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Subbivsion | Location | Sire | Material | Shape | Lengh | General Commens |
| ${ }^{9+1.1}$ | SBDD CS 12 | 188840 Grifin Rd . | 72 | ${ }_{\text {RCP }}$ | circ. | 234 | Flood Gae |
| -1.2 | SBDD CS-12 | 18880 G infifind. | 72 | RCP | circ. | ${ }^{234}$ | ${ }^{\text {flod }}$ Gate |
| 9.2 | SBDD Canal 12 | sw 188id Av. Canal 8 sW 544 pl Pl. | ${ }_{60}$ | CMP | circ. | ${ }^{45}$ |  |
| $0 \cdot 3$ | SBDD Canal 12 | sw 188 h Ave. Canal 8 sw 57 ch C. | 60 | CMP | circ. | ${ }^{50}$ |  |
| 9.4 | SBDD Canal 12 | Sw 188id Ave. Canal 8 Surimg Rd. | 60 | RCP | circ. | ${ }^{48}$ |  |
| 0.5 | SBDDICS-12 | 118850 SW 63 s ct C . | 60 | ${ }_{\text {RCP }}$ | circ. | ${ }^{65}$ | ${ }^{\text {Flod }}$ Sate |
| 9.6 | Kessono Lale Outall | Sw 188h Ave. Canal S Sheridan St. | ${ }^{72}$ | RCP | circ. | ${ }^{796}$ |  |
| 9.24 | Silver Lates |  |  | ${ }_{\text {RCP }}$ | circ. | ${ }_{178}$ |  |
| 9.25 | Silver Lates |  | , | RCP | circ. | ${ }^{190}$ |  |
| ${ }^{9.26}$ | Silver Lakes- Susuet Ises | (W) of NW 180hW Way \& Nw 15hich. | 24 | RCP | circ. | 329 |  |
| 9.27 | Silver Lakes |  | 2 | RCP | circ. | ${ }^{170}$ |  |
| ${ }^{9.28}$ | Silver Lakes/ Keystone Lakes |  | 12 | ${ }_{\text {RCP }}$ | circ. | ${ }_{508}$ |  |
| 9.29 | Keystone Lakes |  | ${ }_{48}^{48}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{320}$ |  |
| 9.50 | Lagman lies | Sw 139 d Ave 2 ( (N) of Sheridal | ${ }_{48}^{48}$ | RCP | circ. | 200 |  |
| 9.51 | Lagma lises | sw 193id Ave es - | ${ }_{4}^{48}$ | ${ }_{\text {RCP }}$ | circ. | 200 |  |
| 9.52 | Lagma lises |  | ${ }_{48}^{48}$ | RCP | circ. | 200 |  |
| 9.53 | Lagmarales | sw 193d/ ${ }^{\text {d }}$ (N) | ${ }_{4}^{48}$ | RCP | circ. | ${ }^{190}$ |  |
| 9.554 .1 | Lagma lises |  | 54 | RCP | circ. | ${ }^{78}$ |  |
| 0.54.2 | Lagum Istes |  | ${ }_{5} 5$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{78}$ |  |
| 0.54 .3 | Lagman lises |  | ${ }_{5} 5$ | RCP | circ. | ${ }^{78}$ |  |
| 9.55 | Lagma lises |  | ${ }_{5}^{54}$ | RCP | circ. | ${ }^{142}$ |  |
| 9.56 .1 | Lagum Istes | sw TdAvv sw 5 St St | 54 | RCP | circ. | ${ }_{350}$ |  |
| ${ }^{9.56 .2}$ | Lagmanalses | sw 19. | 54 | RCP | CIRC. | ${ }^{365}$ |  |
| 9.56 .3 | Lagma lises |  | ${ }_{5} 5$ | RCP | circ. | ${ }^{379}$ |  |
| 9.57.1 | Lagma sles |  | 72 | ${ }_{\text {RCP }}$ | circ. | ${ }^{320}$ |  |
| 9.57.2 | Lagun Isles |  | 72 | RCP | CIRC. | ${ }^{320}$ |  |
| 9.58 | Chiliders Stabour | (E) of 5 W 196. | ${ }_{4}^{48}$ | RCP | circ. | ${ }^{165}$ |  |
| 9,59.1 | West Foward hidustial Pak |  | 54 | RCP | circ. | ${ }^{185}$ |  |
| 9.59.2 | West Browad hndsusial Pak | Sw 196id Ave. 2 Surining Rd. Cenere Pipe | 54 | RCP | circ. | ${ }^{185}$ |  |
| 9.59.3 | West Broward hatustial Pak | sw 196 L Ave. 2 S Surining Rd. Sout Pipe | ${ }_{5}$ | RCP | circ. | ${ }^{185}$ |  |
| ${ }^{9.84}$ | Silver Lakes- Flod Cate | (E) of NW 1788. Ave \& 8 Pines Blvd. | ${ }^{72}$ | CMP | ${ }_{\text {circ. }}$ | ${ }^{233}$ | Flod Sate |
| ${ }^{\text {a }} 9.95$ | Countr Esates | 4831 SW 188h Ave. | ${ }^{36}$ | cMp | circ. | ${ }^{74}$ |  |

TABLE II-H-2

|  | BASIN S-9 \& S-10 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{\text {d }}$ | Sulduvison | Locat | Sire | Material | Shape | Length | General Commens |
| $\stackrel{9}{9.96}$ | Commy Esales | 51919 SW 1884. Ave. | $24 \times 48$ | CMP | Elup. | ${ }^{76}$ |  |
| 9.97 | Commy Esates | 59915 SW 18 Bah Ave. | $24 \times 48$ | CMP | ELIP. | ${ }^{67}$ |  |
| 9.98 | Commy Esates | 58815 sw 1884. Ave. | $24 \times 48$ | CMP | ELup. | ${ }^{76}$ |  |
| -999 | Commy Esates | 6121 SW 1884 Ave. | $24 \times 48$ | CMP | ELIP. | 65 |  |
| 9 | Foomier Trals | 4433 SW 193 d LI. | ${ }^{4 \times 48}$ | CMP | ELIP. | 70 |  |
| 9.101 | Foomier Trais | 4970 SW 193 s LL L. | $\frac{24 \times 48}{}$ | CMP | ELup. | ${ }^{76}$ |  |
| 9.102 | Westifed Esates | (s) of 5155 sw 192 d Terace | 15 | CAP | CIRC. | ${ }^{136}$ |  |
| 9 | Westifid Esates |  |  | CAP | Clirc. | ${ }^{118}$ |  |
| 9.104 | Westified Esates | (S) of 5455 SW 19 22d Terance | ${ }_{10}$ | CAP | CIRC. | 118 |  |
| 9.105 | Westifed Esates | (s) of 5555 sw 192 n T Terace | 15 | CAP | CIRC. | 118 |  |
| 9.106 | Westifid Estates | (N) 0 f 5955 SW 192 zan Terace | 15 | CAP | CIRC. | 125 |  |
| 9.107 | Westifid Estates | (s) 0 f 5 s5s 5w 192 dad Terace | ${ }^{15}$ | ${ }_{\text {Cap }}$ | CIRC. | ${ }^{126}$ |  |
| 9 | Silver Llates Chapel T Tail |  | ${ }_{8}$ | ${ }_{\text {RCP }}$ | CIRC. | ${ }^{345}$ |  |
| 9 | Silver Lates |  | BRIDGE |  |  |  |  |
| ${ }^{10.1}$ | Trais |  | 84 | ${ }_{\text {CAP }}$ | CIRC. | ${ }^{30}$ |  |
| 10.21 | SBDD CS-13A | 4701 Sw $199 \%$ | 72 | RCP | ${ }_{\text {circ. }}$ | ${ }^{227}$ | flod Gate |
| 10.22 | SBDD CS.13A | 4701 SW 1s, | 72 | RCP | CIRC. | 227 | Flod Gate |
| 10.71 | SBDD CS-13 | 19860 Cififin R . | 72 | RCP | CIRC. | ${ }^{227}$ | Flod Cate |
| 10.72 | sBbo cs-13 | 1 . 0 Gri. ${ }^{\text {d }}$ d | 72 | RCP | CIRC. | ${ }^{227}$ | Flood cate |
| 10.8 .1 | SBDD ICS-13 | .18900 Stiring, | ${ }^{66}$ | CMP | Clirc. | 162 | Flod Cate |
| 10.8 .2 | SBDD ICS.13 | ${ }^{20} 0$ | ${ }^{66}$ | CMP | Circ. | 162 | Flod Gate |
| 10.0.0.1 | SBDD Canal $13 / \mathrm{W}$. Broward l mulusial Park |  | 2 | RCP | CIRC. | , |  |
| 10.0.2.2 | SBDD Canal $13 / \mathrm{W}$. Broward Indussalal Park |  | 72 | RCP | CIRC. | ${ }^{90}$ |  |
| 10.1.1. | SBDD Canal $13 / \mathrm{W}$. Broward Indussalal Pak | (W) of Sw 196th Ave. 8 Dun Raver Pas | ${ }_{6}$ | RCP | ${ }_{\text {circ. }}$ | ${ }^{98}$ |  |
| 10.1.2 |  | (W) of SW 19gih Ave. E Dum Reven Pas | ${ }^{66}$ | RCP | CIRC. | ${ }_{98}$ |  |
| 10,12.1 | Chapel Trill Outall | (W) of sw 196. | 72 | смp | CIRC. | ${ }^{228}$ |  |
| 10,12.2 | Chapel Trial - outall | (W) of Sw 196it Ave. \& Steridan St. | 72 | CMP | CIRC. | ${ }^{228}$ |  |
| ${ }^{0.13}$ | Trils of El Rancto Acres | (W) of Sw 202 nd Ave. 8 G Giffin Rd. | ${ }_{48}^{48}$ | CMP | CIRC. | ${ }^{206}$ |  |
| ${ }^{0.10 .5 .1}$ | Trais | 22036 SW 544 pl P. | ${ }^{60}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{106}$ |  |
| ${ }^{00-15.2}$ | Trais | 22306 SW 544 Pl P. | ${ }^{60}$ | ${ }_{\text {RCP }}$ | ${ }_{\text {circ. }}$ | ${ }^{106}$ |  |
| ${ }^{10.16}$ | Brovard Comy Landill Insuraxe Aluo | Sutring R. \& ( W) of sw 199 h Ave. | ${ }^{96}$ | $\stackrel{\text { RCP }}{ }$ | ${ }_{\text {circ. }}$ | ${ }^{120}$ |  |
| ${ }^{00.77 .1}$ | Biovard Conny Lendifil | Broward Comely Landifll | ${ }^{42}$ | CMP | CiRC. | 40 |  |

TABLE II-H-2

| ${ }^{\text {d }}$ | BASIN S-9 \& S-10 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Subdivision | Loc | sire | Material | Shope | Lengh | General Commer |
| $1{ }^{10.17 .2}$ | Bioward Comy Landill | Browad Couny Landiil | ${ }_{4}$ | CMP | circ. | 40 |  |
| 10.17.3 | Broward Comy L Ladiflil | Broward Couny Landilil | ${ }^{42}$ | CMP | circ. | ${ }^{40}$ |  |
| ${ }^{0,1-18.1}$ | Bioward Comut Landill | Broward Comy Landill | ${ }_{6}^{66}$ | cMP | circ. | ${ }^{60}$ |  |
| 10-18.2 | Bioward Conyy Landill | Broward Couny Landill | ${ }_{66}$ | CMP | circ. | ${ }_{60}$ |  |
| ${ }^{10,19}$ | Bioward Couny Womens Corectional Facility | Browad Count Womens Corectional Fail | ${ }^{24}$ | ${ }_{\text {CAP }}$ | circ. | ${ }^{130}$ |  |
| ${ }^{10.20}$ | Assenly Hal Of felenoxas Winess | (N) of 20350 Cirfifin Rd | ${ }_{48}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{80}$ |  |
| ${ }^{10.21}$ | Assenly Hall of felevax W Winess | 20950 Gififin Rd. | ${ }^{48}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{258}$ | Contol Smucture |
| 10.22 | Menoral Cardess \& Fimeal Chapels | (N) of 21100 Girfifin Rd |  | cMp | circ. | ${ }_{85}$ |  |
| ${ }^{1023}$ | Menorah Gardess \& Finearl Chapels | 21100 Giffifind. | 6 | ${ }_{\text {RCP }}$ | circ. | ${ }_{105}$ |  |
| 10.30 | Chapel Trail Rese Price Pak |  | ${ }^{42}$ | ${ }_{\text {RCP }}$ | CiRC. | ${ }^{145}$ |  |
| 10.31 | Chapel Trail |  | ${ }^{36}$ | cMp | circ. | ${ }_{164}$ |  |
| 10:32 | Chapel Triil Pasasden Esates | 440 NW 200 OH Ave. | ${ }^{36}$ | $\mathrm{CAP}^{\text {a }}$ | circ. | ${ }^{320}$ |  |
| 10.33 | Chape TTill Pasasien Estates | NW 197h Ave. $\alpha$ ( (N) of NW 4 St | 42 | ${ }^{\text {RCP } / \text { CMP }}$ | circ. | ${ }_{810}$ |  |
| 10.34 | Chapel Trill - Chapel oals | NW 190ht Ave. $\&$ ( ( ) ofNW 1 st | ${ }^{48}$ | ${ }_{\text {RCP }}$ | ${ }_{\text {circ. }}$ | ${ }^{309}$ |  |
| 10.35 | Chapel Trail |  | ${ }^{24}$ | RCP | circ. | ${ }^{503}$ |  |
| ${ }^{10.36}$ | Chapel Tail - Chapel Oals | NW 187h Av ${ }^{\text {dWW }}$ St | ${ }_{48}^{48}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{351}$ |  |
| 10.37 | Chapel Tail Chapel Lake Estates | $\mathrm{NW}_{186 \mathrm{~h} / \mathrm{h}} \mathrm{8NW}$ | ${ }^{36}$ | ${ }_{\text {RCP } / \mathrm{CMP}}$ | circ. | ${ }^{1440}$ |  |
| ${ }_{10.38}$ | Chapel Trill - Chapel Lleke Estates | 18499 NW 13th | ${ }^{36}$ | ${ }_{\text {RCP / CMP }}$ | ${ }_{\text {cric. }}$ | ${ }^{325}$ |  |
| 10.39 | Chapel Trill - Dimensioss Sorth |  | ${ }^{30}$ | ${ }_{\text {RCP / CMP }}$ | circ. | ${ }^{295}$ |  |
| 10.40 | Chapel Trill - Dimensioss Sorth |  | ${ }^{30} 0.36$ | ${ }^{\text {RCP } / \mathrm{CMP}}$ | circ. | ${ }_{540}$ |  |
| 10.41 | Chapel Trail Profilies 1 |  | ${ }^{30-48}$ | RCP / CMP | circ. | ${ }^{614}$ |  |
| 10.42 | Chapel Trail Trapesty | Nu | ${ }^{42}$ | RCP/ CMP | circ. | ${ }^{133}$ |  |
| 10.43 | Chapel Trail C Chapel Trail Esates | 1250 N, | ${ }^{60}$ | ${ }^{\text {RCP }}$ | circ. | ${ }^{367}$ |  |
| 10.44 | Chapel Tail Esates floridid Welands Sank |  | 60 | ${ }_{\text {RCP }}$ | circ. | ${ }^{15}$ |  |
| 10.45 | Chapel Trail Malibu Bay |  | ${ }_{4}$ | $\mathrm{cmp}^{\text {c }}$ | circ. | ${ }^{995}$ |  |
| 10.46 | Chapel Trial Commere Cenerer-Cinas | 1111 Nw 209th Ave. | 24 | cMp | circ. | ${ }_{131}$ |  |
| 10.47 .1 | Chapel Trill - Hideen Late |  | ${ }_{4}^{48}$ | ${ }^{\text {RCP }}$ | circ. | ${ }^{125}$ |  |
| 10.472 | Chapel Trial Hidelen Lale |  | ${ }_{48}^{48}$ | cMp | circ. | ${ }^{125}$ |  |
| 10.48 | Florida Welands Bank- Contro S smacure | Florid Welalastsonk \& (N) of Taf St. | ${ }^{48}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{45}$ | mol smature |
| 10.6 .1 .1 | SBDD Canal 138 FPL Lines | SBDD Canal 138 PPL Lines | 72 | ${ }_{\text {RCP }}$ | circ. | ${ }^{132}$ |  |
| 10.61 .2 | SBDD Canal 138 FPL Lines | SBDD Canal 138 FPL Lines | ${ }^{72}$ | ${ }_{\text {RCP }}$ | ${ }_{\text {circ. }}$ | ${ }^{132}$ |  |
| 10.6 | Copr Fire Stion\# 101 |  | ${ }^{84}$ | ${ }_{\text {RCP }}$ | CIRC. | ${ }^{138}$ |  |

TABLE II-H-2

| BASIN S-9 \& S-10 EXISTING CUIVFRTSCMEJUTE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| 10-63.2 | COPP Fire Station \# 101 | (w) of SW 196th Ave. \& Stirling Rd. | 84 | RCP | CIRC. | 138 |  |
| 10-66.1 | Seligman/Durango Estates | 199th Ave. \& SW 50th Manor | 60 | RCP | CIRC. | 80 |  |
| 10-66.2 | Seligman/Durango Estates | 199th Ave. \& SW 50th Manor | 60 | RCP | CIRC. | 80 |  |
| 10-67.1 | Trails | (W) of SW 199th Ave. \& SW 54th Pl. | 60 | RCP | CIRC. | 120 |  |
| 10-67.2 | Trails | (W) of SW 199th Ave. \& SW 54th Pl. | 60 | RCP | CIRC. | 120 |  |
| 10-68 | Durango Estates | 5600 SW 199th Ave. | 30 | CAP | CIRC. | 122 |  |
| 10-70 | Durango Estates | 5900 SW 199th Ave. | 30 | CAP | CIRC. | 122 |  |
| 10-71 | Trails of El Rancho Acres | (N) of 20201 SW 50th Pl. | $\cdots{ }^{\text {v }} 24$ | CMP | ELLIP. | 110 |  |
| 10-72 | Trails of El Rancho Acres | Front of 5020 SW 201st Ter. | 36 | CMP | CIRC. | 85 |  |
| 10-87 | WBIP - Central Concrete Supermix | (W) of SW 196th Ave. \& Dun Raven Pas | 24 | RCP | CIRC. | 50 | Control Structure |
| 10-88.1 | Trails of El Rancho Acres | SW 205th Ave. \& (S) of SW 49th Ct. | $24 \times 35$ | CAP | ELLIP. | 63 |  |
| 10-88.2 | Trails of El Rancho Acres | SW 205th Ave. \& (S) of SW 49+1 Ct. | $24 \times 35$ | CAP | ELLIP. | 63 |  |
| 10-90 | Durango Estates | 5310 SW 199th Ave. | 30 | CMP | CIRC. | 125 |  |
| 10-91 | Seligman / Durango Estates | 5020 SW 199th Ave. | $30 \times 36$ | CMP | ELLIP. | 65 |  |
| 10-92 | Seligman / Durango Estates | 4810 SW 199th Ar | $30 \times 36$ | CMP | ELLIP. | 65 |  |
| 10-93 | Seligman / Durango Estates | (E) of $5020 \mathrm{~S}^{\text {r }}$-01st Ter | 30 | CMP | CIRC. | 25 |  |
| 10-94 | Trails of El Rancho Acres | Behind 202 W 49th | 18 | CMP | CIRC. | 24 |  |
| 10-113 | Cemetery Trails Canal | 5425 SW 210th | 60 | RCP | CIRC. | 689 |  |
| 10-114 | Rose Tree Farm | SW < ' Lane | 60 | RCP | CIRC. | 64 |  |
| 10-115 | Trails Lake / Cemetery Trails | , Behind 20526 : 54th F . | 60 | RCP | CIRC. | 24 |  |
| 10-116 | SBDD ICS-13A | + 950 Stirling R | 84 | RCP | CIRC. | 195 | Flood Gate |
| 10-117 | Weekley Property - (W) Pipe | SW 3th Avr < (S) of SW 50th St. | 24 | HDPE | CIRC. | 20 |  |
| 10-118 | Weekley Property - (E) Pipe | Behind $\ldots$ SW 50th Pl. | 36 | HDPE | CIRC. | 20 |  |



SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-9 \& S-10 FLOOD GATE MAP

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## Legend

- Flood Gate
$\sim$ SFWMD Canal
- SBDD Pump Station

3 Water Bodies


BASIN S-9 \& S-10 FLOOD GATE SCHEDULE

| 9-1.1 | SBDD Control Structure 12 | Griffin Rd. \& 196th Ln. | 72" W X 72" H |
| :---: | :---: | :---: | :---: |
| 9-1.2 | SBDD Control Structure 12 | Griffin Rd. \& 196th Ln. | 72" W X 72" H |
| 9-5 | SBDD ICS-12 | 18850 SW 63rd St. | 60" W X 60" H |
| 9-84 | Silver Lakes | Pines Blvd. \& (E) of SW 178th Ave. | 78" X 78" CIRC. |
| 10-2.1 | SBDD Control Structure 13-A | 4701 SW 199th Ave. | 72" W X 72" H |
| 10-2.2 | SBDD Control Structure 13-A | 4701 SW 199th Ave. | 72" W X 72" H |
| 10-7.1 | SBDD Control Structure 13 | Griffin Rd. \& 198th Ter. | 72" W X 72" H |
| 10-7.2 | SBDD Control Structure 13 | Griffin Rd. \& 198th Ter. | 72" W X 72" H |
| 10-8.1 | SBDD ICS-13 | 19800 SW 60th St. | 66" W X 66" H |
| 10-8.2 | SBDD ICS-13 | 19800 SW 60th St. | 66" W X 66" H |
| 10-116 | SBDD ICS-13A | 19950 SW 60th St. | 84" W X 84" H |



Calvin, Giordano EAssocians, lnc: GIS

## Legend

$\triangle$ Control Structures
$\sim \sim$ SFWMD CanalSBDD Pump Station
5 Water Bodies

## SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-9 \& S-10 CONTROL STRUCTURE MAP

## TABLE II-H-4

BASIN S-9 \& S-10 CONTROL STRUCTURE SCHEDULE

| ID | Locabdivision | General Comments |  |
| :--- | :--- | :--- | :--- |
| $9-46$ | Griffin 345 | 190th Ave. \& 57th Ct. | Cross Drain |
| $10-21$ | Kingdom Hall of Jehova's Witness | 20850 Griffin Rd. |  |
| $10-48$ | Wetlands Bank | 1.25 Miles (S) of Sheridan St. \& (W) of SW 196th Ave. | Concrete Weir w/ 6" Rect. Notch @ 4.00 NGVD |
| $10-87$ | West Broward Industrial Park (S) | 19703 Dun Raven Pass | Concrete Weir w/ 6" Bleeder @ 4.00 NGVD |



SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-9 \& S-10 STAFF GAUGE MAP

$\sim$ SFWMD Canal

- SBDD Pump Station

5 Water Bodies


TABLE II-H-5

## BASIN S-9 \& S-10 STAFF GAUGE SCHEDULE

| ID | Subdivision | Location | Description |
| :---: | :---: | :---: | :---: |
| 30 | Silver Lakes Park | NW 178th Ave. \& NW 10th St. |  |
| 40 | Chapel Trails | NW 202nd Ave. \& (N) of NW 4th St. | Water Level Recorder |
| 44 | Florida Wetland's Bank | 1.25 miles (S) of Sheridan St. by Weir |  |
| 46 | Chapel Trail Outfall | (W) of SW 196th Ave. \& Sheridan St. | Water Level Recorder |
| 48 | Keystone Lakes | (W) of SW 184th Ave. at Entrance |  |
| 50 | Trails of El Rancho Acres | Griffin Rd. \& SW 205th Ave. | Water Level Recorder |
| 51 | Durango Estates | SW 199th Ave. \& SW 54th Pl. |  |
| 66 | Hidden Lake | NW 208th Ave. \& (S) of NW 14th St. |  |
| 67 | Menorah Gardens \& Funeral Chapels | 21100 Griffin Rd. |  |
| 68 | SBDD CS-13A Upstream | 4701 SW 199th Ave. |  |
| 69 | SBDD CS-13A Downstream | (N) of 4701 SW 199th Ave. in C-11 Canal |  |
| 74 | SBDD CS-13 | 19640 Griffin Rd. |  |
| 75 | SBDD CS-12 | 18840 Griffin Rd. |  |
| 77 | SBDD ICS-13A | 19950 SW 60th St. |  |
| 78 | SBDD ICS-12 | 18850 SW 63rd St. |  |
| 79 | SBDD ICS-13 | 19800 SW 60th St. |  |
| 81 | Hidden Lake (W) | (N) of 1111 NW 209th Ave. | Water Level Recorder |



Calvin, Giordano $£$ Associates, Inc
SOUTH BROWARD DRAINAGE DISTRICT BASIN: S-9 \& S-10 FISH GUARD MAP

## Legend

$\square$ Fish Guards
$\sim \sim$ SFWMD Canal

- SBDD Pump Station
$\sum$ Water Bodies


BASIN S-9 \& S-10 FISH GUARD SCHEDULE

Subdivision
9-29
Keystone Lake
Laguna Isles

Silver Lakes / C
Chapel Trail Estates

Mlaibu Bay
NW 208th Ave. \& (S) of Johnson St.


# BASINS S-9 \& S-10 BASIN MAXIMUM STAGE REPORT 

10-YEAR, 3-DAY ST $J R_{{ }_{*}}{ }^{\text {' }}$ 25-YEAR, 3-DAV $\mathbf{~}$ TORM<br>100-YEAR, 3-DA ${ }^{\top}$ © ORM

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 MAX STAGE REPORT TABLE II-H-7


SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | $\begin{array}{r} \text { Max } \begin{array}{r} \text { Delta } \\ \text { Stage } \\ \mathrm{ft} \end{array} \end{array}$ | MaxSurf <br> Area <br> ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 \mathrm{C15}$ | BASIN-10 | 100YR_3DAY | 73.28 | 6.61 | 8.00 | 0.0261 | 814121 | 60.00 | 95.35 | 18.69 | 184.46 |
| $1 \mathrm{C15}$ | BASIN-10 | 10 YR -3DAY | 73.69 | 5.61 | 8.00 | 0.0002 | 592039 | 60.00 | 60.29 | 8.54 | 7.15 |
| 1 C 15 | BASIN-10 | 25YR_3DAY | 73.08 | 5.98 | 8.00 | 0.0230 | 674162 | 60.00 | 67.95 | 21.44 | 184.07 |
| 1 C 16 | BASIN-10 | 100YR_3DAY | 68.69 | 6.75 | 8.00 | 0.0065 | 531359 | 60.00 | 120.67 | 61.50 | 9.09 |
| 1 Cl 6 | BASIN-10 | 10 YR -3DAY | 64.21 | 5.68 | 8.00 | 0.0004 | 354404 | 50.00 | 79.08 | 61.79 | 7.94 |
| 1 C 16 | BASIN-10 | 25YR_3DAY | 64.47 | 6.08 | 8.00 | 0.0067 | 400100 | 60.00 | 89.73 | 61.80 | 8.04 |
| $1 \mathrm{CTO1}$ | BASIN-10 | 100YR_3DAY | 72.80 | 6.72 | 8.00 | 0.0003 | 17552- | 60.00 | 168.50 | 114.34 | 5.71 |
| $1 \mathrm{CTO1}$ | BASIN-10 | 10YR 3DAY | 72.15 | 5.93 | 8.00 | 0.0002 | 1165 | 60.00 | 104.17 | 71.44 | 5.29 |
| $1 \mathrm{CTO1}$ | BASIN-10 | 25YR_3DAY | 72.33 | 6.16 | 8.00 | 0.0002 | 13. 15 | ?.00 | 120.41 | 72.60 | 5.41 |
| 1 CT 02 | BASIN-10 | 100YR_3DAY | 72.53 | 6.64 | 8.00 | 0.0003 | . 673670 | 60 | 190.17 | 67.89 | 22.60 |
| 1 CT 02 | BASIN-10 | 10YR_3DAY | 72.19 | 5.85 | 8.00 | 0.0007 | 1163762 | 60.1 | 119.42 | 67.01 | 21.33 |
| 1 CT 02 | BASIN-10 | 25YR_3DAY | 72.27 | 6.07 | 8.00 | 0.00 | 1308 r 74 | 60.00 | 137.18 | 67.23 | 22.03 |
| 1 CTO 0 | BASIN-10 | 100YR_3DAY | 72.67 | 6.59 | 8.00 | 0.00 | 3. 146 | 60.50 | 414.20 | 62.07 | 70.97 |
| $1 \mathrm{CT03}$ | BASIN-10 | 10 YR -3DAY | 72.41 | 5.81 | 8.00 | 0.000 | 93402 | 60.50 | 238.79 | 62.65 | 58.63 |
| 1 CT 03 | BASIN-10. | 25YR_3DAY | 72.48 | 6.03 | 8.00 | 0.0003 | 177892 | 60.50 | 282.38 | 62.43 | 63.32 |
| 1 CT 04 | BASIN-10 | 100YR_3DAY | 74.28 | 6.48 | 8.1 | n003 | 2) 337 | 60.00 | 517.96 | 60.85 | 166.91 |
| 1 CTO 04 | BASIN-10 | 10 YR -3DAY | 73.42 | 5.73 | 8.0 | $\checkmark$ | 234: 9 | 60.00 | 336.27 | 60.95 | 114.84 |
| 1 CT 04 | BASIN-10 | 25YR_3DAY | 73.69 | 5.94 | 8.00 | $0.0 r$ | -515577 | 60.00 | 382.72 | 60.95 | 130.09 |
| 1 1Ст05 | BASIN-10 | 100YR_3DAY | 74.35 | 6.48 | 8.00 | - 0003 | 2696072 | 60.00 | 511.09 | 64.99 | 123.62 |
| 1 CT 05 | BASIN-10 | 10YR 3DAY | 73.49 | 5.7 | 9.00 | . 0002 | 2690708 | 60.00 | 325.65 | 64.95 | 106.56 |
| 1 CT 05 | BASIN-10 | 25YR_3DAY | 73.77 |  | . 00 | 0003 | 2692189 | 60.00 | 374.37 | 64.75 | 112.65 |
| $1 \mathrm{CTO6}$ | BASIN-10 | 100YR_3DAY | 120.00 | 0.52 | 8.00 | C. 002 | 15096589 | 60.00 | 1739.50 | 34.81 | 0.01 |
| 1 CT 06 | BASIN-10 | 10YR 3DAY | 120.00 | 01 |  | n. 0001 | 13648618 | 60.00 | 1174.12 | 53.25 | 0.03 |
| 1Ст06 | BASIN-10 | 25YR_3DAY | 120.00 |  | 8.00 | 0.0002 | 14007957 | 60.00 | 1318.37 | 50.35 | 0.03 |
| $1 \mathrm{CT07}$ | BASIN-10 | 100YR_3DAY | 74 | 6.45 | 8.00 | 0.0003 | 521247 | 64.74 | 117.99 | 97.37 | 111.58 |
| 1 CTO 7 | BASIN-10 | 10YR 3DAY | -. 68 | . 70 | 8.00 | 0.0002 | 512127 | 64.91 | 105.81 | 65.47 | 98.41 |
| $1 \mathrm{CT07}$ | BASIN-10 | 25YR_3DAY | 3.93 | 91 | 8.00 | 0.0002 | 514647 | 64.72 | 111.69 | 65.20 | 102.78 |
| 1 CT 08 | BASIN-10 | 100YR_3DAY | 4.45 | 6.1 | 8.00 | 0.0003 | 2700522 | 60.00 | 453.60 | 98.79 | 122.08 |
| $1 \mathrm{CT08}$ | BASIN-10 | 10 YR -3DAY | 79 | 5. | 8.00 | 0.0002 | 2695552 | 59.89 | 268.41 | 87.40 | 103.59 |
| $1 \mathrm{CT08}$ | BASIN-10 | 25YR_3DAY |  |  | 8.00 | 0.0003 | 2696924 | 59.83 | 307.44 | 90.63 | 109.16 |
| 1 CT 13 | BASIN-10 | 100YR_3DAY | 72.44 | 0.94 | 8.00 | 0.0003 | 4930035 | 60.42 | 547.18 | 71.52 | 9.98 |
| 1 CT13 | BASIN-10 | $10 \mathrm{YR}{ }^{-3 \mathrm{SAPY}}$ | 72.01 | 6.10 | 8.00 | 0.0003 | 3250777 | 60.42 | 340.86 | 69.09 | 9.30 |
| 1 CT 13 | BASIN-10 | 25YR_3DAY | 72.11 | 6.34 | 8.00 | 0.0003 | 3667592 | 60.42 | 392.62 | 69.93 | 9.55 |
| 1 CT 14 | BASIN-10 | 100 YR 3DAY | 72.70 | 6.80 | 8.00 | 0.0003 | 829296 | 60.50 | 115.15 | 61.20 | 25.22 |
| $1 \mathrm{CT14}$ | BASIN-10 | 10 YR -3DAY | 72.25 | 5.99 | 8.00 | 0.0003 | 546803 | 60.50 | 73.22 | 61.15 | 18.46 |
| $1 \mathrm{CT14}$ | BASIN-10 | 25YR_3DAY | 72.39 | 6.22 | 8.00 | 0.0003 | 613087 | 60.50 | 83.97 | 61.12 | 20.76 |
| 1CT15 | BASIN-10 | 100YR_3DAY | 72.31 | 6.95 | 8.00 | 0.0004 | 462096 | 60.00 |  | 60.39 | 11.11 |
| $1 \mathrm{CT15}$ | BASIN-10 | 10YR-3DAY | 72.04 | 6.12 | 8.00 | 0.0003 | 314924 | 60.00 | 52.16 | 60.34 | 8.72 |
| $1 \mathrm{CT15}$ | BASIN-10 | 25YR_3DAY | 72.12 | 6.35 | 8.00 | 0.0004 | 347192 | 60.00 | 59.58 | 60.36 | 9.43 |
| $1 \mathrm{CT16}$ | BASIN-10 | 100YR_3DAY | 72.84 | 7.04 | 8.00 | 0.0005 | 417019 | 60.17 | 71.51 | 60.82 | 3.37 |
| $1 \mathrm{CT16}$ | BASIN-10 | 10YR_3DAY | 72.45 | 6.21 | 8.00 | 0.0004 | 264710 | 60.17 | 44.47 | 60.74 | 3.54 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 MAX STAGE REPORT

| Name | Group | Simulation | $\begin{array}{r} \text { Max Time } \\ \text { Stage } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf <br> Area ft2 | Max Time Inflow hrs | $\begin{array}{r} \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { Cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 \mathrm{CT16}$ | BASIN-10 | 25YR_3DAY | 72.57 | 6.44 | 8.00 | 0.0004 | 296672 | 60.17 | 51.31 | 60.76 | 3.52 |
| $1 \mathrm{CT17}$ | BASIN-10 | 100YR_3DAY | 73.66 | 7.08 | 8.00 | 0.0004 | 964601 | 60.00 | 134.96 | 62.61 | 8.33 |
| 1 Ст17 | BASIN-10 | 10YR-3DAY | 72.65 | 6.24 | 8.00 | 0.0003 | 667639 | 60.00 | 87.93 | 62.15 | 7.68 |
| 1 СT17 | BASIN-10 | 25YR_3DAY | 72.82 | 6.48 | 8.00 | 0.0003 | 729116 | 60.00 | 100.01 | 62.36 | 7.92 |
| $1 \mathrm{CT18}$ | BASIN-10 | 100YR_3DAY | 73.55 | 7.08 | 8.00 | 0.0004 | 958095 | 50.00 | 178.24 | 0.00 | 0.00 |
| $1 \mathrm{CT18}$ | BASIN-10 | 10YR-3DAY | 72.67 | 6.24 | 8.00 | 0.0003 | 752613 | 60.00 | 115.72 | 0.00 | 0.00 |
| $1 \mathrm{CT18}$ | BASIN-10 | 25YR_3DAY | 72.87 | 6.48 | 8.00 | 0.0003 | 801598 | 60.00 | 131.22 | 0.00 | 0.00 |
| $1 \mathrm{CT19}$ | BASIN-10 | 100YR_3DAY | 72.54 | 7.08 | 8.00 | 0.0003 | 160 - 8 | 60.50 | 185.95 | 63.23 | 7.13 |
| $1 \mathrm{CT19}$ | BASIN-10 | 10YR_3DAY | 72.43 | 6.23 | 8.00 | 0.0003 | 10-198 | $\bigcirc .50$ | 115.88 | 62.76 | 7.02 |
| 1CT19 | BASIN-10 | 25YR_3DAY | 72.53 | 6.48 | 8.00 | 0.0003 | . 52529 | 50 | 133.59 | 62.94 | 7.14 |
| 1 CT 21 | BASIN-10 | 100YR_3DAY | 72.34 | 7.05 | 8.00 | $0.000^{-}$ | 1653213 | 60. | 196.99 | 65.63 | 15.33 |
| 1 CT 21 | BASIN-10 | 10YR-3DAY | 69.28 | 6.20 | 8.00 | $0.0 r$ | $1103{ }^{\text {c }} 3$ | 60.50 | 126.36 | 65.36 | 14.17 |
| 1 Ст21 | BASIN-10 | 25YR_3DAY | 72.05 | 6.44 | 8.00 | 0.3 | 123 30 | 60.50 | 144.40 | 65.44 | 14.79 |
| 1 CT 22 | BASIN-10 | 100YR_3DAY | 72.38 | 7.35 | 8.00 | $0.000{ }^{2}$ | 96915 | 60.33 | 142.08 | 61.33 | 5.14 |
| 1 CT 22 | BASIN-10 | 10 YR -3DAY | 70.83 | 6.47 | 8.00 | 0.0003 | 598294 | 60.33 | 94.54 | 71.43 | 4.66 |
| 1CT22 | BASIN-10 | 25YR_3DAY | 72.04 | 6.74 | 8.01 | 0.0003 | $\cdot 0476$ | 60.33 | 106.73 | 72.01 | 4.86 |
| 1 D 01 | BASIN-10 | 100YR_3DAY | 61.42 | 4.67 | 8.0 |  | 45. 2 | 60.92 | 302.77 | 61.38 | 291.73 |
| 1 D 01 | BASIN-10 | 10YR-3DAY | 61.93 | 4.34 | 8.00 | $0.0 r$ | ${ }^{2} 19171$ | 61.61 | 209.74 | 61.90 | 208.25 |
| 1D01 | BASIN-10 | 25YR_3DAY | 61.81 | 4.43 | 8.00 | $0 . \mathrm{J} 2$ | د3269 | 61.44 | 235.64 | 61.79 | 232.57 |
| 1D01A | BASIN-10 | 100YR_3DAY | 61.42 | 4.6 | 9.00 | . 0002 | 27063 | 61.38 | 291.73 | 61.42 | 291.70 |
| 1D01A | BASIN-10 | 10 YR -3DAY | 61.93 | 4 S | . 00 | . 0001 | 26047 | 61.90 | 208.25 | 61.93 | 208.24 |
| 1D01A | BASIN-10 | 25YR_3DAY | 61.81 | . 41 | . 00 | 0001 | 26308 | 61.79 | 232.57 | 61.81 | 232.56 |
| 1D01B | BASIN-10 | 100YR_3DAY | 61.42 | 67 |  | 2.0007 | 27125 | 64.68 | 31.11 | 59.92 | 47.62 |
| 1D01B | BASIN-10 | $10 \mathrm{YR}{ }^{-3 D A Y}$ | 61.93 | , | 8.00 | -0.0005 | 26110 | 63.96 | 23.14 | 59.75 | 36.00 |
| 1D01B | BASIN-10 | 25YR_3DAY | 61.81 | 4. | 8.00 | -0.0007 | 26373 | 64.29 | 25.68 | 59.87 | 45.33 |
| 1D02 | BASIN-10 | 100YR_3DAY | . 12 | 39 | 8.00 | 0.0003 | 614073 | 60.00 | 108.42 | 62.28 | 43.35 |
| $1 \mathrm{DO2}$ | BASIN-10 | 10YR-3DAY | ,2.30 | 92 | 8.00 | 0.0002 | 427249 | 60.00 | 48.12 | 62.28 | 26.95 |
| 1D02 | BASIN-10 | 25YR_3DAY | 62.22 |  | 8.00 | 0.0002 | 478973 | 60.00 | 60.41 | 62.18 | 32.82 |
| 1D02A | BASIN-10 | 100YR_3DAY | 11 | 5.3 | 8.00 | 0.0003 | 29371 | 62.89 | 190.00 | 62.92 | 190.62 |
| 1D02A | BASIN-10 | 10YR-3DAY | 6.7 | $\triangle 1$ | 8.00 | 0.0002 | 27528 | 62.71 | 148.18 | 62.78 | 148.47 |
| 1D02A | BASIN-10 | 25 YR -3DAY |  | . 97 | 8.00 | 0.0002 | 28038 | 62.76 | 160.61 | 62.80 | 161.00 |
| 1D02B | BASIN-10 | 100YR_3DAY | 62.12 | 5.40 | 8.00 | 0.0003 | 29404 | 0.72 | 13.48 | 0.00 | 0.00 |
| 1D02B | BASIN-10 | 10YR-3DAY | 62.31 | 4.82 | 8.00 | 0.0002 | 27556 | 59.81 | 3.83 | 0.00 | 0.00 |
| 1D02B | BASIN-10 | 25YR_3DAY | 62.22 | 4.98 | 8.00 | 0.0002 | 28068 | 0.94 | 13.20 | 0.00 | 0.00 |
| 1 0 03 | BASIN-10 | 100YR_3DAY | 62.38 | 5.85 | 8.00 | 0.0004 | 1002633 | 60.50 | 258.87 | 63.78 | 351.95 |
| 1 D03 | BASIN-10 | 10YR ${ }^{\text {- }}$ 3DAY | 62.49 | 5.14 | 8.00 | 0.0003 | 663596 | 60.50 | 175.74 | 63.12 | 297.46 |
| 1 D03 | BASIN-10 | 25YR_3DAY | 62.49 | 5.33 | 8.00 | 0.0003 | 728110 | 60.50 | 198.92 | 63.32 | 319.45 |
| 1D03A | BASIN-10 | 100YR_3DAY | 62.38 | 5.85 | 8.00 | 0.0050 | 11655 | 63.78 | 351.95 | 68.51 | 167.58 |
| 1D03A | BASIN-10 | $10 \mathrm{YR}{ }^{-3} 3 \mathrm{DAY}$ | 62.52 | 5.14 | 8.00 | -0.0056 | 10800 | 63.12 | 297.46 | 68.21 | 131.87 |
| 1D03A | BASIN-10 | 25YR_3DAY | 62.49 | 5.33 | 8.00 | 0.0050 | 11032 | 63.32 | 319.45 | 68.20 | 142.69 |
| 1D03B | BASIN-10 | 100YR_3DAY | 62.36 | 5.85 | 8.00 | 0.0003 | 69352 | 60.64 | 112.13 | 60.69 | 100.77 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft |  | $\begin{array}{r} \text { Max } \begin{array}{r} \text { Surf } \\ \text { Area } \\ \text { ft2 } \end{array} \end{array}$ | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | Inflow cfs | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1D03B | BASIN-10 | 10YR_3DAY | 62.52 | 5.14 | 8.00 | 0.0002 | 64357 | 60.53 | 92.92 | 60.50 | 85.59 |
| 1D03B | BASIN-10 | 25YR_3DAY | 62.49 | 5.33 | 8.00 | 0.0003 | 65719 | 60.56 | 96.84 | 60.60 | 88.14 |
| 1 104 | BASIN-10 | 100YR_3DAY | 61.70 | 5.90 | 8.00 | 0.0005 | 38527 | 0.00 | 0.00 | 1.52 | 2.30 |
| 1D04 | BASIN-10 | $10 \mathrm{YR}-3 \mathrm{DAY}$ | 62.19 | 5.17 | 8.00 | 0.0004 | 37640 | 0.00 | 0.00 | 1.06 | 2.43 |
| 1D04 | BASIN-10 | 25YR_3DAY | 61.67 | 5.35 | 8.00 | 0.0004 | 37879 | 0.00 | 0.00 | 1.74 | 2.31 |
| $1 \mathrm{E01}$ | BASIN-10 | 100YR_3DAY | 64.41 | 4.65 | 8.00 | 0.0001 | 63855 | 64.33 | 294.14 | 64.41 | 294.11 |
| $1 \mathrm{EO1}$ | BASIN-10 | 10YR_3DAY | 65.17 | 4.30 | 8.00 | 0.0001 | 59190 | 65.12 | 198.37 | 65.17 | 198.36 |
| $1 \mathrm{E01}$ | BASIN-10 | 25 YR -3DAY | 64.91 | 4.38 | 8.00 | 0.0001 | 603 | 64.85 | 224.81 | 64.91 | 224.80 |
| $1 \mathrm{EO2}$ | BASIN-10 | 100YR 3DAY | 64.37 | 5.34 | 8.00 | 0.0002 | 32. J 38 | $\bigcirc .00$ | 452.54 | 64.33 | 294.14 |
| $1 \mathrm{EO2}$ | BASIN-10 | 10 YR 3DAY | 65.14 | 4.73 | 8.00 | 0.0001 | $\bigcirc 34611$ | 00 | 250.73 | 65.12 | 198.37 |
| 1E02 | BASIN-10 | 25YR_3DAY | 64.87 | 4.89 | 8.00 | 0.0002 | -509813 | 6 L | 298.18 | 64.85 | 224.81 |
| 1E02A | BASIN-10 | 100YR_3DAY | 64.37 | 5.44 | 8.00 | $0.0 r$ | 70.39 | 73.48 | 152.43 | 73.31 | 153.21 |
| 1E02A | BASIN-10 | 10YR-3DAY | 65.02 | 4.83 | 8.00 | 0.2 | F. 1 | 61.11 | 126.08 | 61.19 | 124.05 |
| 1E02A | BASIN-10 | 25YR_3DAY | 64.81 | 4.99 | 8.00 | 0.0 l | , 374 | 61.13 | 133.01 | 61.21 | 130.42 |
| $1 \mathrm{F01}$ | BASIN-09 | 100YR 3DAY | 62.78 | 4.90 | 8.00 | 0.0002 | 54074 | 62.70 | 346.55 | 62.78 | 346.48 |
| $1 \mathrm{F01}$ | BASIN-09 | 10 YR -3DAY | 63.48 | 4.40 | $8.0{ }^{\prime}$ | 0.0001 | -1140 | 63.43 | 229.27 | 63.48 | 229.26 |
| $1 \mathrm{F01}$ | BASIN-09 | 25YR-3DAY | 63.20 | 4.52 | 8.1 | $\bigcirc 001$ | 259 | 63.15 | 262.72 | 63.20 | 262.69 |
| $1 \mathrm{F02}$ | BASIN-09 | 100YR 3DAY | 62.77 | 5.02 | 8.00 | 0.00 | ¢19534 | 60.00 | 508.70 | 62.70 | 346.55 |
| $1 \mathrm{F02}$ | BASIN-09 | 10 YR -3DAY | 63.48 | 4.46 | 8.00 | $0 . \quad 11$ | 35484 | 60.00 | 260.67 | 63.43 | 229.27 |
| $1 \mathrm{F02}$ | BASIN-09 | 25YR_3DAY | 63.20 | 4.60 | 8.00 | - 0002 | 1870272 | 60.00 | 318.16 | 63.15 | 262.72 |
| 1F02A | BASIN-09 | 100YR_3DAY | 62.81 |  | . 00 | . 0003 | 54559 | 67.64 | 163.61 | 67.50 | 164.74 |
| 1F02A. | BASIN-09 | 10YR-3DAY | 63.52 | . 48 | . 00 | 0001 | 51413 | 65.96 | 124.98 | 65.93 | 125.73 |
| 1F02A | BASIN-09 | $25 \mathrm{YR}{ }^{-3 \mathrm{BdAY}}$ | 63.23 | 4.62 | 8.00 | c , 002 | 52197 | 66.34 | 136.12 | 66.26 | 137.02 |
| 1 FO 4 | BASIN-09 | 100YR_3DAY | 63.57 | 5 | 8.00 | 0.0003 | 1020829 | 60.00 | 184.33 | 67.66 | 163.21 |
| $1 F 04$ | BASIN-09 | 10 YR -3DAY | 64.04 | 4. | 8.00 | 0.0002 | 640270 | 62.50 | 125.06 | 65.94 | 124.72 |
| $1 \mathrm{F04}$ | BASIN-09 | 25YR_3DAY | 63 | 4. | 8.00 | 0.0002 | 739894 | 62.00 | 138.35 | 66.34 | 135.80 |
| 1F04A | BASIN-09 | 100YR_3DAY | 3.58 | 45 | 8.00 | 0.0003 | 19059 | 73.57 | 132.94 |  |  |
| 1F04A | BASIN-09 | 10YR_3DAY | 64.05 | 48 | 8.00 | 0.0002 | 17790 | 70.10 | 102.89 | 70.04 | 103.04 |
| 1F04A | BASIN-09 | 25YR_3DAY | 73.86 | 4. | 8.00 | 0.0002 | 18122 | 70.68 | 111.41 | 70.61 | 111.59 |
| 1F04B | BASIN-09 | 100YR_3DAY | 6. 6 | 54 | 8.00 | 0.0003 | 19046 | 67.66 | 163.21 | 67.64 | 163.61 |
| $1 \mathrm{F04B}$ | BASIN-09 | 10YR-3DAY | 64. | 77 | 8.00 | 0.0004 | 17777 | 65.94 | 124.72 | 65.96 | 124.98 |
| 1F04B | BASIN-09 | 25YR_3DAY | 63.8 - | $\pm .94$ | 8.00 | 0.0002 | 18109 | 66.34 | 135.80 | 66.34 | 136.12 |
| $1 \mathrm{F05}$ | BASIN-09 | 100YR 3DAY | 64.41 | 5.64 | 8.00 | 0.0003 | 1379895 | 60.00 | 203.66 |  |  |
| 1 F 05 | BASIN-09 | 10YR-3DAY | 64.49 | 4.93 | 8.00 | 0.0002 | 933803 | 60.00 | 125.59 | 70.14 | 102.73 |
| 1 F05 | BASIN-09 | 25YR_3DAY | 64.39 | 5.12 | 8.00 | 0.0002 | 1035079 | 60.00 | 144.57 | 70.73 | 111.24 |
| 1F05A | BASIN-09 | 100YR_3DAY | 64.42 | 5.64 | 8.00 | 0.0003 | 19431 | 78.02 | 113.66 | 77.95 | 113.88 |
| 1F05A | BASIN-09 | 10 YR -3DAY | 64.49 | 4.94 | 8.00 | -0.0004 | 18116 | 73.31 | 90.77 | 73.31 | 90.91 |
| 1F05A | BASIN-09 | 25YR_3DAY | 64.39 | 5.12 | 8.00 | 0.0002 | 18465 | 73.95 | 97.40 | 73.95 | 97.57 |
| 1F05B | BASIN-09 | 100YR_3DAY | 64.40 | 5.63 | 8.00 | 0.0003 | 19402 | 73.57 | 132.67 | 73.57 | 132.94 |
| 1F05B | BASIN-09 | 10 YR -3DAY | 64.48 | 4.93 | 8.00 | 0.0002 | 18087 | 70.14 | 102.73 | 70.10 | 102.89 |
| 1F05B | BASIN-09 | 25YR_3DAY | 64.38 | 5.12 | 8.00 | 0.0002 | 18436 | 70.73 | 111.24 | 70.68 | 111.41 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 MAX STAGE REPORT

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{array}$ | Warning Stage ft | Max Delta Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 1F06 | BASIN-09 | 100YR_3DAY | 65.14 | 5.76 | 8.00 | 0.0003 | 1631407 | 59.82 | 347.88 | 78.06 | 113.43 |
| 1506 | BASIN-09 | 10 YR -3DAY | 64.74 | 5.05 | 8.00 | 0.0002 | 1126213 | 60.00 | 177.35 | 73.28 | 90.63 |
| 1 F 06 | BASIN-09 | 25YR_3DAY | 64.79 | 5.23 | 8.00 | 0.0002 | 1207596 | 60.00 | 262.67 | 73.93 | 97.23 |
| 1F06A | BASIN-09 | 100YR_3DAY | 65.14 | 5.76 | 8.00 | 0.0022 | 19644 | 83.49 | 99.25 | 83.42 | 99.42 |
| 1F06A | BASIN-09 | 10YR-3DAY | 64.74 | 5.05 | 8.00 | 0.0002 | 18308 | 78.65 | 78.76 | 78.61 | 78.88 |
| 1F06A | BASIN-09 | 25YR_3DAY | 64.79 | 5.23 | 8.00 | -0.0018 | 18660 | 90.32 | 84.97 | 80.27 | 85.11 |
| 1F06B | BASIN-09 | 100YR_3DAY | 65.13 | 5.76 | 8.00 | 0.0003 | 19659 | 78.06 | 113.43 | 78.02 | 113.66 |
| 1F06B | BASIN-09 | 10YR_3DAY | 64.73 | 5.04 | 8.00 | 0.0004 | $183^{\circ}$ | 73.28 | 90.63 | 73.31 | 90.77 |
| 1F06B | BASIN-09 | 25YR_3DAY | 64.79 | 5.23 | 8.00 | 0.0002 | 154 | 73.93 | 97.23 | 73.95 | 97.40 |
| 1 F 08 | BASIN-09 | 100YR_3DAY | 65.45 | 5.80 | 8.00 | 0.0003 | ${ }^{1} 59850$ | 00 | 574.52 | 83.64 | 98.76 |
| $1 \mathrm{F08}$ | BASIN-09 | 10YR-3DAY | 64.76 | 5.10 | 8.00 | 0.0002 | ,156581 | 6 l , | 363.62 | 78.83 | 78.38 |
| 1 F 08 | BASIN-09 | 25YR_3DAY | 64.99 | 5.28 | 8.00 | $0.00{ }^{-}$ | 3340409 | 60.4 | 416.90 | 80.46 | 84.57 |
| 1F08A | BASIN-09 | 100YR_3DAY | 65.49 | 5.80 | 8.00 | 0.3 | 5.10 | 104.38 | 82.05 | 104.08 | 82.25 |
| 1F08A | BASIN-09 | 10YR-3DAY | 64.80 | 5.10 | 8.00 | 0.02 | , 506 | 95.10 | 64.16 | 94.89 | 64.32 |
| 1F08A | BASIN-09 | 25YR-3DAY | 65.03 | 5.28 | 8.00 | 0.000 | 54518 | 97.49 | 68.89 | 97.20 | 69.06 |
| 1F08B | BASIN-09 | 100YR_3DAY | 65.43 | 5.80 | 8.0 | 0.0003 | 7281 | 83.64 | 98.76 | 83.49 | 99.25 |
| 1F08B | BASIN-09 | 10YR-3DAY | 64.76 | 5.10 | 8.1 | - $n 002$ | 112 | 78.83 | 78.38 | 78.65 | 78.76 |
| 1F08B | BASIN-09 | 25YR_3DAY | 64.98 | 5.28 | 8.0 |  | 5. -6 | 80.46 | 84.57 | 80.32 | 84.97 |
| 1LFI | BASIN-10 | 100YR_3DAY | 73.25 | 6.61 | 8.00 | $0 . J 3$ | 48516 | 60.00 | 1230.43 | 0.00 | 0.00 |
| 1LF1 | BASIN-10 | 10YR-3DAY | 73.69 | 5.62 | 8.00 | r 0002 | 6784004 | 60.00 | 800.72 | 0.00 | 0.00 |
| 1LF1 | BASIN-10 | 25YR_3DAY | 73.07 | 5.0 | 8.00 | . 0002 | 7175661 | 60.00 | 879.52 | 0.00 | 0.00 |
| $1 \mathrm{SLO1}$ | BASIN-09 | 100YR_3DAY | 73.12 | . 81 | . 00 | 0003 | 186864 | 60.00 | 65.23 | 120.00 |  |
| $1 \mathrm{SLO1}$ | BASIN-09 | $10 \mathrm{YR}{ }^{-3 \mathrm{BdAY}}$ | 72.25 | 5.14 | 8.00 | ( 0002 | 143455 | 60.00 | 49.51 | 114.85 | 46.22 |
| 1SL01 | BASIN-09 | 25YR_3DAY | 72.37 | 32 |  | $\bigcirc .0002$ | 150621 | 60.00 | 53.50 | 118.03 | 49.51 |
| $1 \mathrm{SLO2}$ | BASIN-09 | 100YR_3DAY | 74.34 | 5. | 8.00 | 0.0003 | 20517009 | 60.00 | 3530.01 | 120.00 | 58.03 |
| $1 \mathrm{SLO2}$ | BASIN-09 | 10YR-3DAY | 72 | 5.14 | 8.00 | 0.0002 | 18554414 | 60.00 | 2352.04 | 115.04 | 45.94 |
| 1SL02 | BASIN-09 | 25YR_3DAY | -. 24 | . 33 | 8.00 | 0.0002 | 19116561 | 60.00 | 2652.28 | 118.21 | 49.94 49.20 |
| 1SLO4 | BASIN-09 | 100YR_3DAY | 74.36 | $\llcorner 2$ | 8.00 | 0.0003 | 2873903 | 60.00 | 596.75 | 61.28 | 55.06 |
| $1 \mathrm{SLO4}$ | BASIN-09 | 10YR-3DAY | 72.80 | 5. ; | 8.00 | 0.0002 | 2588061 | 60.00 | 392.30 | 61.08 | 42.68 |
| 1SLO4 | BASIN-09 | 25YR_3DAY | 19 | 5. 3 | 8.00 | 0.0003 | 2637089 | 60.00 | 444.34 | 61.12 | 46.00 |
| 1SL05 | BASIN-09 | 100YR_3DAY | 63. | 52 | 8.00 | 0.0005 | 1215071 | 60.25 | 299.10 | 62.30 | 56.89 |
| 1 SL05 | BASIN-09 | 10 YR -3DAY | 62.65 | 0.70 | 8.00 | 0.0004 | 847840 | 60.25 | 196.16 | 62.06 | 56.89 49.20 |
| 1 SL 05 | BASIN-09 | 25YR_3DAY | 62.77 | 5.92 | 8.00 | 0.0004 | 945847 | 60.25 | 222.54 | 62.12 | 51.78 |
| 2 CT 01 | BASIN-10 | 100YR_3DAY | 68.04 | 7.41 | 8.00 | 0.0004 | 1947364 | 60.42 | 373.57 | 63.95 | 32.14 |
| $2 \mathrm{CT01}$ | BASIN-10 | $10 \mathrm{YR}{ }^{-3 \mathrm{SAM}}$ | 65.60 | 6.38 | 8.00 | 0.0003 | 1478979 | 60.42 | 232.55 | 62.60 | 27.11 |
| 2 CT 01 | BASIN-10 | 25YR_3DAY | 65.82 | 6.66 | 8.00 | 0.0004 | 1605658 | 60.42 | 268.49 | 63.80 | 28.57 |
| $2 \mathrm{CT02}$ | BASIN-10 | 100YR_3DAY | 72.80 | 6.51 | 8.00 | 0.0004 | 1093395 | 60.50 | 133.06 | 61.10 | 54.99 |
| $2 \mathrm{CT02}$ | BASIN-10 | 10YR-3DAY | 72.89 | 5.74 | 8.00 | 0.0003 | 512157 | 60.42 | 77.38 | 60.82 | 42.58 |
| 2 CTO 2 | BASIN-10 | 25YR_3DAY | 72.98 | 5.95 | 8.00 | 0.0003 | 667900 | 60.42 | 88.25 | 60.87 | 46.36 |
| 2 CT 03 | BASIN-10 | 100YR_3DAY | 73.07 | 6.52 | 8.00 | 0.0003 | 4899443 | 60.00 | 746.72 | 111.39 | 17.67 |
| $2 \mathrm{CT03}$ | BASIN-10 | $10 \mathrm{YR}{ }^{-3 \mathrm{BDAY}}$ | 73.35 | 5.75 | 8.00 | 0.0002 | 4114578 | 60.00 | 493.94 | 109.59 | 15.91 |
| 2CT03 | BASIN-10 | 25 YR -3DAY | 73.41 | 5.95 | 8.00 | 0.0002 | 4325146 | 60.00 | 558.33 | 108.08 | 16.15 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 MAX STAGE REPORT

| Name | Group | Simulation | Max Time <br> Stage hrs | $\begin{gathered} \text { Max } \\ \text { Stage } \\ \mathrm{ft} \end{gathered}$ | Warning Stage ft | Max Delta Stage ft |  | Max Time Inflow hrs | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 E 03 | BASIN-10 | 100YR_3DAY | 79.12 | 6.50 | 8.00 | 0.0002 | 2621805 | 60.00 | 234.82 | 108.78 |  |
| 2 E 03 | BASIN-10 | 10 YR _3DAY | 75.86 | 5.56 | 8.00 | 0.0002 | 2158418 | 60.00 | 139.97 | 8.54 | 8.54 |
| 2 E 03 | BASIN-10 | 25YR_3DAY | 76.92 | 5.90 | 8.00 | 0.0002 | 2326294 | 60.00 | 161.84 | 105.02 | 8.03 |
| BSN_1 | BASIN-09 | 100YR_3DAY | 65.44 | 5.80 | 8.00 | 0.0003 | 2513473 | 60.17 | 568.58 | 60.27 | 146.45 |
| $\mathrm{BSN}^{-1}$ | BASIN-09 | 10YR-3DAY | 64.76 | 5.10 | 8.00 | 0.0002 | 2425740 | 50.17 | 379.08 | 60.28 | 115.70 |
| BSN-1 | BASIN-09 | 25YR_3DAY | 64.98 | 5.28 | 8.00 | 0.0002 | 2448796 | 60.17 | 427.63 | 60.27 | 124.57 |
| BSN_2 | BASIN-09 | 100YR_3DAY | 65.21 | 5.80 | 8.00 | 0.0004 | $2513{ }^{\circ}$ | 60.17 | 545.70 | 76.19 | 55.64 |
| $\mathrm{BSN}^{-2}$ | BASIN-09 | $10 \mathrm{YR}{ }^{-3 \mathrm{~B} A Y}$ | 62.75 | 5.10 | 8.00 | 0.0003 | 241 J7 | 60.17 | 348.91 | 75.26 | 37.99 |
| BSN-2 | BASIN-09 | 25 YR _3DAY | 64.56 | 5.28 | 8.00 | 0.0003 | 24, 405 | $\bigcirc .17$ | 398.98 | 75.18 | 41.64 |
| BSN_3 | BASIN-10 | 100YR_3DAY | 61.09 | 6.01 | 8.00 | 0.0007 | 1083938 | 6 L | 793.51 | 60.33 | 447.14 |
| $\mathrm{BSN}^{-3}$ | BASIN-10 | 10 YR -3DAY | 60.80 | 5.30 | 8.00 | 0.000 | 788383 | 60. | 512.43 | 60.28 | 351.21 |
| BSN-3 | BASIN-10 | 25YR_3DAY | 60.88 | 5.48 | 8.00 | 0.0 r | $851 \sim 0$ | 60.17 | 584.71 | 60.30 | 375.43 |
| BSN_4 | BASIN-10 | 100YR_3DAY | 61.62 | 5.97 | 8.00 | 0.0 c | 4088 | 60.17 | 13.35 | 62.16 | 5.40 |
| $\mathrm{BSN}^{-4}$ | BASIN-10 | 10YR-3DAY | 61.18 | 5.27 | 8.00 | 0.000 | . 13738 | 60.17 | 8.90 | 61.52 | 4.76 |
| BSN-4 | BASIN-10 | 25YR_3DAY | 61.31 | 5.45 | 8.00 | 0.0003 | 116370 | 60.17 | 10.04 | 61.67 | 4.73 |
| BSN_5 | BASIN-09 | 100YR_3DAY | 64.52 | 5.80 | 8.1 | n004 | 567 | 60.17 | 12.88 | 0.00 | 0.00 |
| BSN ${ }^{5}$ | BASIN-09 | 10YR-3DAY | 62.72 | 5.10 | 8.0 | u. ${ }^{\text {a }}$ | 5. 38 | 60.17 | 8.29 | 0.00 | 0.00 |
| BSN-5 | BASIN-09 | 25YR_3DAY | 64.40 | 5.28 | 8.00 | 0.0 r | 53173 | 60.17 | 9.41 | 0.00 | 0.00 |
| BSN_SB\#1 | BASIN-10 | 100YR_3DAY | 72.16 | 6.11 | 8.00 | J005 | 28512 | 98.79 | 122.08 | 98.74 | 122.19 |
| BSN_SB\#1 | BASIN-10 | 10YR-3DAY | 72.13 | 5.1 | 8.00 | 1.0003 | 27897 | 87.40 | 103.59 | 87.38 | 123.70 |
| BSN-SB\#1 | BASIN-10 | 25YR_3DAY | 72.14 |  | 3.00 | . 0005 | 28065 | 90.63 | 109.16 | 90.59 | 109.27 |
| BSN_SB\#2 | BASIN-10 | 100YR_3DAY | 68.38 | 5.94 | 8 no | ( J 005 | 17260 | 98.74 | 122.19 | 98.68 | 122.26 |
| BSN_SB\#2 | BASIN-10 | 10YR-3DAY | 68.42 | 25 |  | 0.0004 | 17110 | 87.38 | 103.70 | 87.34 | 103.76 |
| BSN_SB\#2 | BASIN-10 | 25YR ${ }^{\text {- }}$ 3DAY | 68.40 |  | 8.00 | 0.0005 | 17150 | 90.59 | 109.27 | 90.56 | 109.33 |
| BSN_SB\#3 | BASIN-10 | 100YR_3DAY | 61 | 5.92 | 8.00 | 0.0005 | 174105 | 98.05 | 122.84 | 97.41 | 123.51 |
| BSN-SB\#3 | BASIN-10 | 10YR-3DAY | . 06 | . 26 | 8.00 | 0.0004 | 164381 | 86.97 | 104.31 | 86.52 | 104.93 |
| BSN_SB\#3 | BASIN-10 | 25YR_3DAY | د1.19 | 44 | 8.00 | 0.0005 | 166851 | 90.09 | 109.89 | 89.60 | 110.52 |
| BSN_SB\#3A | BASIN-10 | 100YR 3DAY | -1. 52 |  | 8.00 | 0.0005 | 35999 | 98.68 | 122.26 | 98.55 | 122.39 |
| BSN-SB\#3A | BASIN-10 | 10YR-3DAY | 09 | 5 5 | 8.00 | 0.0004 | 33911 | 87.34 | 103.76 | 87.26 | 103.89 |
| BSN_SB\#3A | BASIN-10 | 25YR_3DAY | 6. ${ }^{1}$ | ᄃ. 3 | 8.00 | 0.0005 | 34442 | 90.56 | 109.33 | 90.45 | 109.46 |
| BSN_SB\#4 | BASIN-10 | 100YR_3DAY | 61.6 , | 5.90 | 8.00 | 0.0005 | 391360 | 60.27 | 336.64 | 60.70 | 232.61 |
| BSN_SB\#4 | BASIN-10 | 10YR-3DAY | 62.17 | 5.17 | 8.00 | 0.0005 | 370890 | 59.94 | 259.62 | 60.54 | 192.54 |
| BSN_SB\#4 | BASIN-10 | 25YR_3DAY | 61.60 | 5.35 | 8.00 | 0.0004 | 376156 | 60.26 | 278.28 | 60.59 | 203.14 |
| BSN_SB\#4A | BASIN-10 | 100YR_3DAY | 61.15 | 6.00 | 8.00 | 0.0006 | 33777 | 97.41 | 123.51 | 97.29 | 123.64 |
| BSN_SB\#4A | BASIN-10 | 10YR_3DAY | 60.84 | 5.29 | 8.00 | 0.0006 | 31776 | 86.52 | 104.93 | 86.41 | 105.05 |
| BSN_SB\#4A | BASIN-10 | 25YR_3DAY | 60.92 | 5.47 | 8.00 | 0.0008 | 32282 | 89.60 | 110.52 | 89.49 | 110.65 |
| BSN_SB\#5 | BASIN-10 | 100YR_3DAY | 64.26 | 5.79 | 8.00 | 0.0004 | 72592 | 60.70 | 232.61 | 60.80 | 223.55 |
| BSN_SB\#5 | BASIN-10 | 10YR ${ }^{\text {- }}$ 3DAY | 62.64 | 5.10 | 8.00 | 0.0003 | 70196 | 60.54 | 192.54 | 60.61 | 185.48 |
| BSN_SB\#5 | BASIN-10 | 25YR_3DAY | 62.83 | 5.28 | 8.00 | 0.0003 | 70819 | 60.59 | 203.14 | 60.68 | 195.53 |
| C-11 | BASE | 100YR_3DAY | 0.00 | 4.00 | 5.00 | 0.0000 | 225 | 62.75 | 894.22 | 0.00 | 0.00 |
| C-11 | BASE | 10YR_3DAY | 0.00 | 4.00 | 5.00 | 0.0000 | 225 | 63.28 | 613.68 | 0.00 | 0.00 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 MAX STAGE REPORT
TABLE II-H-7

| Name | Group | Simulation | Max Time Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Stage } \\ \text { ft } \end{array}$ | $\begin{array}{r} \text { Warning } \\ \text { Stage } \\ \text { ft } \end{array}$ | Max | Delta <br> Stage ft | Max Surf <br> Area ft2 | $\begin{array}{r} \text { Max Time } \\ \text { Inflow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | Max Time Outflow hrs | $\begin{array}{r} \text { Max } \\ \text { Outflow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| C-11 | BASE | 25YR_3DAY | 0.00 | 4.00 | 5.00 |  | 0.0000 | 225 | 63.07 | 693.70 | 0.00 | 0.00 |
| PARK_1 | BASIN-09 | 100YR_3DAY | 64.62 | 5.81 | 8.00 |  | 0.0004 | 956214 | 60.17 | 118.46 | 74.26 | 9.57 |
| PARK-1 | BASIN-09 | 10 YR -3DAY | 62.72 | 5.12 | 8.00 |  | 0.0003 | 598007 | 60.17 | 78.97 | 62.71 | 10.05 |
| PARK_1 | BASIN-09 | 25 YR -3DAY | 63.10 | 5.30 | 8.00 |  | 0.0003 | 689086 | 60.17 | 89.09 | 63.13 | 9.07 |

TABLE II-H-8

## BASINS S-9 \& S-10

# 72-HOUR NODAL STAGE RF ?ORT 

10-YEAR, 3-DA ${ }^{*}$ STORM<br>25-YEAR, 3-DA) ${ }^{\circ}$ IORM<br>100-YEAR, ヶ-^ • Y S . JRM

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM

| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{gathered} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{gathered}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10YR_3DAY | 1A02 | BASIN-10 | 71.83 | 5.53 | 8.00 | 356798 | 2.65 | 2.17 | 5.3 | -3.5 |
| 10YR-3DAY | 1A03 | BASIN-10 | 71.83 | 5.53 | 8.00 | 8150447 | 50.78 | 39.83 | 211.4 | 27.6 |
| 10YR-3DAY | 1A03A | BASIN-10 | 71.83 | 5.53 | 8.00 | 50586 | 1.84 | 1.77 | 12.6 | 11.3 |
| 10YR-3DAY | 1A04 | BASIN-10 | 71.83 | 5.52 | 8.00 | 78216 | 41.41 | 41.31 | 40.3 | 37.8 |
| 10YR_3DAY | 1A05 | BASIN-10 | 71.83 | 5.25 | 8.00 | 22690 | 41.31 | 41.38 | 37.8 | 30.9 |
| 10YR ${ }^{\text {- }}$ 3DAY | 1A06 | BASIN-10 | 71.83 | 5.24 | 8.00 | 22605 | 41.38 | 41.44 | 30.9 | 36.9 |
| 10YR_3DAY | $1 \mathrm{B01}$ | BASIN-10 | 71.83 | 5.54 | 8.00 | 143026 | 2.04 | 1.84 | 15.7 | 12.6 |
| 10YR_3DAY | 1BG02 | BASIN-09 | 71.83 | 5.12 | 8.00 | 7388737 | 42.36 | 35.23 | 242.3 | 66.7 |
| 10YR-3DAY | 1 CO 2 | BASIN-10 | 71.83 | 5.19 | 8.00 | 1152479 | 7.74 | 11.87 | 38.2 | 20.1 |
| 10 YR -3DAY | 1 C 04 | BASIN-10 | 71.83 | 5.19 | 8.00 | 464547 | -1. | 0.00 | 6.7 | 0.0 |
| 10 YR -3DAY | $1 \mathrm{C05}$ | BASIN-10 | 71.83 | 5.19 | 8.00 | 1428595 | 8 - 6 | 87.22 | 179.5 | 141.9 |
| 10 YR -3DAY | 1C05A | BASIN-10 | 71.83 | 5.19 | 8.00 | 43658 | -. 55 | 7.70 | 41.1 | 43.5 |
| 10 YR -3DAY | $1 \mathrm{Cl0}$ | BASIN-10 | 71.83 | 5.54 | 8.00 | 620775 | 30.47 | 55 | 72.1 | 41.1 |
| 10 YR -3DAY | 1 C 14 | BASIN-10 | 71.83 | 5.61 | 8.00 | 544527 | 4.36 | - ? | 14.5 | 11.9 |
| 10 YR -3DAY | $1 \mathrm{Cl5}$ | BASIN-10 | 71.83 | 5.61 | 8.00 | 59018 ? | 5.37 | 3. | 22.2 | 4.4 |
| 10 YR -3DAY | $1 \mathrm{C16}$ | BASIN-10 | 71.83 | 5.66 | 8.00 | 3515 | 2.74 | 2.40 | 21.0 | 9.3 |
| 10 YR 3DAY | $1 \mathrm{CTO1}$ | BASIN-10 | 71.83 | 5.93 | 8.00 | 116 6 | - 7 | 5.28 | 37.3 | 3.6 |
| 10 YR 3DAY | $1 \mathrm{CTO2}$ | BASIN-10 | 71.83 | 5.85 | 8.00 | 1163 | . 24 | 19.18 | 58.2 | 22.2 |
| 10 YR -3DAY | 1 CTO | BASIN-10 | 71.83 | 5.81 | 8.00 | 209003 | 35.08 | 32.06 | 120.3 | 68.4 |
| 10 YR -3DAY | 1 CT 04 | BASIN-10 | 71.83 | 5.73 | 8.00 | 2343135 | 73.92 | 65.83 | 219.4 | 150.8 |
| 10 YR -3DAY | 1 CT05 | BASIN-10 | 71.83 | 5.72 | 8.0 | 2690648 | 77.16 | 97.78 | 272.0 | 185.3 |
| 10 YR -3DAY | 1 1Ст06 | BASIN-10 | 71.83 | 4.98 | 8.1 | -69274 | 59 | -2.33 | 268.3 | -1.8 |
| 10 YR -3DAY | 1 CT 07 | BASIN-10 | 71.83 | 5.69 | 8.0 |  | 9. -9 | 94.38 | 190.2 | 175.7 |
| 10 YR -3DAY | 1 CT 08 | BASIN-10 | 71.83 | 5.66 | 8.00 | 2695* | 99.62 | 89.98 | 223.5 | 156.0 |
| 10 YR -3DAY | $1 \mathrm{CT13}$ | BASIN-10 | 71.83 | 6.10 | 8.00 | 325.56 | 9.34 | 9.21 | 117.0 | 18.7 |
| 10 YR -3DAY | $1 \mathrm{CT14}$ | BASIN-10 | 71.83 | 5.99 | 8.00 | 「 5007 | 4.17 | 3.61 | 29.0 | 13.0 |
| 10YR_3DAY | $1 \mathrm{CT15}$ $1 \mathrm{CT1}$ | BASIN-10 BASIN-10 | 71.83 71.83 | 6.1 , | 8.00 3.00 | 14901 64142 | 1.98 -0.64 | 1.90 -1.45 | 14.4 | 4.2 |
| 10YR 3 - ${ }^{\text {d }}$ | $1 \mathrm{CT17}$ | BASIN-10 | 71.83 | . 23 | . 00 | 6300 | 2.39 | 0.19 | 27.7 | - 4.6 |
| 10YR-3DAY | $1 \mathrm{CT18}$ | BASIN-10 | 71.83 | 0.23 | 8.00 | . 659 | 2.42 | 0.00 | 30.2 | 0.0 |
| 10 YR -3DAY | 1 CT19 | BASIN-10 | 71.83 | . 23 |  | 1 n 32758 | 0.89 | -0.79 | 35.3 | 3.2 |
| 10 YR -3DAY | 1 CT 21 | BASIN-10 | 71.83 | $\bigcirc$ | 8.00 | -102931 | 11.71 | 11.73 | 60.4 | 24.2 |
| 10 YR -3DAY | 1 CT 22 | BASIN-10 | 71.83 | 6. | 8.00 | 598235 | 4.52 | 4.66 | 36.7 | 11.0 |
| 10 YR 3DAY | 1D01 | BASIN-10 | 71 | 4.2 | 8.00 | 264990 | 162.15 | 162.49 | 401.0 | 326.3 |
| 10 YR -3DAY | 1D01A | BASIN-10 | -. 03 | 1.20 | 8.00 | 25633 | 162.49 | 162.52 | 326.3 | 333.0 |
| 10 YR 3DAY | 1D01B | BASIN-10 | 1.83 | 21 | 8.00 | 25690 | 21.82 | 21.86 | 40.5 | 107.2 |
| 10 YR -3DAY | 1 DO 2 | BASIN-10 | 71.83 | 41 | 8.00 | 361082 | 4.16 | 5.18 | 18.4 | -0.6 |
| 10 YR -3DAY | 1D02A | BASIN-10 | 71.83 | $4 . \quad 1$ | 8.00 | 26876 | 135.02 | 135.10 | 266.9 | 271.0 |
| 10 YR -3DAY | 1D02B | BASIN-10 | . 83 | 4. | 8.00 | 26905 | -0.34 | 0.00 | -20.3 | 0.0 |
| $10 \mathrm{YR}-3 \mathrm{DAY}$ 10 YR 3DAY | $1 \mathrm{DO3}$ 1 D 03 A | BASIN-10 | i ${ }^{\text {'3 }}$ | 48 | 8.00 | 611349 | 126.95 | 176.23 | 251.4 | 694.3 |
| 10 YR 3DAY | 1D03A | BASIN-10 | 71. | 98 | 8.00 | 10611 | 176.23 | 129.49 | 694.3 | 247.3 |
| 10YR_3DAY | 1D03B 1 104 | BASIN-10 BASIN-10 | 71.8 71.83 | +.99 5.02 | 8.00 8.00 | 63253 37455 | 37.35 0.00 | 37.07 0.14 | 102.5 0.0 | 85.9 -0.7 |
| 10YR-3DAY | 1 E 01 | BASIN-10 | 71.83 | 4.20 | 8.00 | 57931 | 163.19 | 163.38 | 314.9 | 314.6 |
| 10YR-3DAY | 1E02 | BASIN-10 | 71.83 | 4.53 | 8.00 | 1890733 | 149.37 | 163.19 | 332.3 | 314.9 |
| 10 YR -3DAY | 1E02A | BASIN-10 | 71.83 | 4.67 | 8.00 | 61685 | 117.58 | 117.94 | 242.3 | 241.4 |
| 10 YR - 3 DAY | $1 \mathrm{FO1}$ | BASIN-09 | 71.83 | 4.15 | 8.00 | 49723 | 142.48 | 142.63 | 304.4 | 304.3 |
| 10 YR -3DAY | $1 \mathrm{FO2}$ | BASIN-09 | 71.83 | 4.18 | 8.00 | 1224545 | 138.10 | 142.48 | 308.9 | 304.4 |
| 10YR 3 DAY | 1F02A | BASIN-09 | 71.83 | 4.20 | 8.00 | 49851 | 114.09 | 114.28 | 219.1 | 218.9 |
| 10 YR -3DAY | $1 \mathrm{F04}$ | BASIN-09 | 71.83 | 4.47 | 8.00 | 471368 | 111.02 | 113.99 | 218.8 | 222.9 |
| $10 \mathrm{YR}{ }^{-3 \mathrm{DAY}}$ | 1F04A | BASIN-09 | 71.83 | 4.48 | 8.00 | 17229 | 102.31 | 102.41 | 193.2 | 188.8 |
| 10YR_3DAY | 1F04B | BASIN-09 | 71.83 | 4.47 | 8.00 | 17214 | 113.99 | 114.09 | 222.9 | 219.1 |
| 10YR_3DAY | $1 \mathrm{F05}$ | BASIN-09 | 71.83 | 4.70 | 8.00 | 805923 | 96.64 | 102.18 | 206.6 | 190.1 |
| 10 YR -3DAY | 1 F 05 A | BASIN-09 | 71.83 | 4.70 | 8.00 | 17678 | 90.16 | 90.28 | 178.9 | 181.9 |
| 10YR_3DAY | 1F05B | BASIN-09 | 71.83 | 4.70 | 8.00 | 17645 | 102.18 | 102.31 | 190.1 | 193.2 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 72 HR NODAL STAGE REPORT FOR 10 YR 3 DAY STORM
TABLE II-H-8

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { cfs } \end{array}$ | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10YR_3DAY | 1 1F06 | BASIN-09 | 71.83 | 4.90 | 8.00 | 1064904 | 83.99 | 90.06 | 194.1 | 182.1 |
| 10YR_3DAY | 1F06A | BASIN-09 | 71.83 | 4.91 | 8.00 | 18045 | 74.85 | 74.95 | 152.9 | 149.4 |
| 10YR-3DAY | 1F06B | BASIN-09 | 71.83 | 4.90 | 8.00 | 18055 | 90.06 | 90.16 | 182.1 | 178.9 |
| 10YR-3DAY | $1 \mathrm{F08}$ | BASIN-09 | 71.83 | 5.04 | 8.00 | 3095392 | 62.70 | 74.64 | 214.9 | 154.1 |
| $10 \mathrm{YR}{ }^{-3 D A Y}$ | 1F08A | BASIN-09 | 71.83 | 5.04 | 8.00 | 53177 | 35.23 | 35.44 | 66.7 | 65.4 |
| 10 YR -3DAY | 1F08B | BASIN-09 | 71.83 | 5.03 | 8.00 | 53062 | 74.64 | 74.85 | 154.1 | 152.9 |
| 10 YR -3DAY | 1LFI | BASIN-10 | 71.83 | 5.61 | 8.00 | 6775200 | 24.06 | 0.00 | 218.4 | 0.0 |
| $10 \mathrm{YR}{ }^{-3 \mathrm{BDAY}}$ | 1SL01 | BASIN-09 | 71.83 | 5.14 | 8.00 | 143368 | 18.50 | 18.19 | 75.3 | 72.1 |
| 10 YR -3DAY | 1 SLO2 | BASIN-09 | 71.83 | 5.15 | 8.00 | 18540504 | 70.15 | 17.13 | 535.4 | 65.3 |
| 10 YR -3DAY | 1 SL 04 | BASIN-09 | 71.83 | 5.15 | 8.00 | 2586937 | 11 | 3.90 | 89.7 | 25.5 |
| 10YR-3DAY | $1 \mathrm{SLO5}$ | BASIN-09 | 71.83 | 5.18 | 8.00 | 708081 | $\bigcirc{ }^{1} 4$ | 8.19 | 65.6 | 49.1 |
| 10YR-3DAY | $2 \mathrm{CTO1}$ | BASIN-10 | 71.83 | 6.28 | 8.00 | 1432520 | +. .00 | 1.80 | 86.8 | 39.0 |
| 10YR-3DAY | $2 \mathrm{CT02}$ | BASIN-10 | 71.83 | 5.74 | 8.00 | 507255 | 12.07 | 24 | 51.6 | 42.2 |
| 10 YR -3DAY | 2 CTO 3 | BASIN-10 | 71.83 | 5.74 | 8.00 | 4106173 | 17.09 |  | 129.3 | -19.2 |
| 10 YR -3DAY | 2E03 | BASIN-10 | 71.83 | 5.53 | 8.00 | $21400{ }^{\circ}$ | 5.99 | -7. | 35.4 | -12.2 |
| 10 YR -3DAY | BSN_1 | BASIN-09 | 71.83 | 5.04 | 8.00 | $2418{ }^{\text {r }}$ | 1244 | 21.76 | 102.0 | 45.5 |
| 10YR-3DAY | BSN-2 | BASIN-09 | 71.83 | 5.03 | 8.00 | 240.4 | ? 32 | 34.62 | 88.4 | 33.2 |
| 10 YR -3DAY | $\mathrm{BSN}^{-3}$ | BASIN-10 | 71.83 | 5.05 | 8.00 | 7014 | +.32 | 113.64 | 316.8 | 313.7 |
| $10 \mathrm{YR}-3 \mathrm{DAY}$ | $\mathrm{BSN}^{-4}$ | BASIN-10 | 71.83 | 5.15 | 8.00 | 11193 | 0.29 | 0.55 | 2.4 | -0.3 |
| $10 \mathrm{YR}=3 \mathrm{DAY}$ | $\mathrm{BSN}^{-5}$ | BASIN-09 | 71.83 | 5.02 | 8.00 | 50878 | -0.20 | 0.00 | 1.0 | 0.0 |
| 10 YR -3DAY | BSN_SB\#\#1 | BASIN-10 | 71.83 | 5.40 | 8.0 | 27896 | $\bigcirc 9.98$ | 89.97 | 156.0 | 155.1 |
| 10 YR -3DAY | BSN-SB\#2 | BASIN-10 | 71.83 | 5.23 | 8.1 | 17106 | 97 | 89.99 | 155.1 | 154.7 |
| 10 YR -3DAY | BSN-SB\#3 | BASIN-10 | 71.83 | 5.15 | 8.0 |  | 9 9 -0 | 90.97 | 153.5 | 149.5 |
| 10 YR -3DAY | BSN_S SB\#3A | BASIN-10 | 71.83 | 5.16 | 8.00 | $33 \cdot$ | 89.99 | 90.06 | 154.7 | 153.8 |
| 10 YR -3DAY | BSṄ ${ }^{\text {SB\#4 }}$ | BASIN-10 | 71.83 | 5.02 | 8.00 | 35.64 | 16.43 | 77.74 | 210.4 | 202.1 |
| 10 YR -3DAY | BSN_SB\#4A | BASIN-10 | 71.83 | 5.07 | 8.00 | 1136 | 90.97 | 91.07 | 149.5 | 148.7 |
| $10 \mathrm{YR}{ }^{-3 \mathrm{BDAY}}$ | BSN_SB\#5 | BASIN-10 | 71.83 | 5.9 | 8.00 | 69832 | 77.74 | 78.01 | 202.1 | 200.6 |
| 10 YR 3DAY | C-11 | BASE | 71.83 | $\checkmark$ J | . 00 | 225 | 468.53 | 0.00 | 951.9 | 0.0 |
| 10YR_3DAY | PARK_I | BASIN-09 | 71.83 | . 02 | 3.00 | 6159 | 2.59 | 4.75 | 21.2 | 9.5 |



| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | $\begin{array}{r} \text { Total } \\ \text { Inflow } \\ \text { Cfs } \end{array}$ | Total Outflow cfs | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25YR_3DAY | 1A02 | BASIN-10 | 71.83 | 5.76 | 8.00 | 387526 | 2.95 | 2.20 | 6.6 | -4.1 |
| $25 \mathrm{YR}-3 \mathrm{DAY}$ | 1A03 | BASIN-10 | 71.83 | 5.75 | 8.00 | 9455849 | 57.55 | 39.35 | 254.7 | 25.9 |
| 25YR-3DAY | 1A03A | BASIN-10 | 71.83 | 5.75 | 8.00 | 53914 | 1.98 | 1.88 | 14.1 | 12.4 |
| 25YR-3DAY | 1 A04 | BASIN-10 | 71.83 | 5.75 | 8.00 | 79048 | 41.13 | 40.98 | 40.4 | 37.4 |
| 25YR-3DAY | 1A05 | BASIN-10 | 71.83 | 5.47 | 8.00 | 23149 | 40.98 | 41.06 | 37.4 | 35.7 |
| 25YR_3DAY | 1A06 | BASIN-10 | 71.83 | 5.47 | 8.00 | 23064 | 41.06 | 41.14 | 35.7 | 36.1 |
| 25 YR -3DAY | $1 \mathrm{B01}$ | BASIN-10. | 71.83 | 5.76 | 8.00 | 158927 | 2.30 | 1.98 | 18.0 | 14.1 |
| 25 YR -3DAY | 1BG02 | BASIN-09 | 71.83 | 5.30 | 8.00 | 7568768 | 44.30 | 33.70 | 272.2 | 66.5 |
| 25 YR - 3 DAY | $1 \mathrm{CO2}$ | BASIN-10 | 71.83 | 5.42 | 8.00 | 1344512 | 9.0 r | 15.14 | 46.8 | 22.3 |
| 25 YR -3DAY | 1 C 04 | BASIN-10 | 71.83 | 5.42 | 8.00 | 548712 | -2 | 0.00 | 9.4 | 2.0 |
| 25 YR - 3 DAY | $1 \mathrm{C05}$ | BASIN-10 | 71.83 | 5.42 | 8.00 | 1534148 | 8.5 | 94.20 | 179.2 | 135.8 |
| 25YR-3DAY | 1C05A | BASIN-10 | 71.83 | 5.42 | 8.00 | 45503 | -. 29 | $\bigcirc 1.49$ | 30.6 | 29.2 |
| 25 YR - 3 DAY | 1 C 10 | BASIN-10 | 71.83 | 5.87 | 8.00 | 620775 | 34.47 | 29 | $-365.6$ | 30.6 |
| 25 YR -3DAY | 1 C 14 | BASIN-10 | 71.83 | 5.98 | 8.00 | 544527 | 5.59 | - 7 | 727.5 | -7768.1 |
| 25YR-3DAY | 1 C 15 | BASIN-10 | 71.83 | 5.98 | 8.00 | $67296{ }^{\prime}$ | 6.45 | 4. | 22.5 | 716.2 |
| 25 YR -3DAY | 1 Cl 6 | BASIN-10 | 71.83 | 6.06 | 8.00 | 3971 | 399 | 3.19 | 24.2 | 7.2 |
| 25 YR -3DAY | 1 CT 01 | BASIN-10 | 71.83 | 6.15 | 8.00 | 133 1 | 11 | 5.40 | 44.2 | 4.0 |
| 25 YR -3DAY | 1 CT 02 | BASIN-10 | 71.83 | 6.07 | 8.00 | 13074 | +. 52 | 20.09 | 66.8 | 24.4 |
| 25 YR - 3 DAY | 1 Ст03 | BASIN-10 | 71.83 | 6.03 | 8.00 | 247362 | 38.34 | 34.26 | 140.2 | 77.0 |
| 25 YR -3DAY | 1 CT 04 | BASIN-10 | 71.83 | 5.93 | 8.00 | 2507409 | 80.56 | 70.46 | 250.4 | 170.4 |
| 25YR-3DAY | 1 CT 06 | BASIN-10 | 71.83 71.83 | 5.93 5.09 | 8.0 | 2692112 | 3.96 34 | 103.00 | 305.0 | 205.8 |
| 25 YR -3DAY | 1 CT 07 | BASIN-10 | 71.83 | 5.90 | 8.0 | - | 9. 12 | -47.12 | 302.6 210.8 | -2.6 193.7 |
| 25 YR 3DAY | 1 CT 08 | BASIN-10 | 71.83 | 5.87 | 8.00 | 2696 | 103.48 | 92.20 | 247.5 | 180.0 |
| 25 YR - 3 DAY | $1 \mathrm{CT13}$ | BASIN-10 | 71.83 | 6.34 | 8.00 | 365 54 | 11.49 | 9.51 | 137.5 | 20.3 |
| 25YR-3DAY | $1 \mathrm{CT14}$ | BASIN-10 | 71.83 | 6.22 | 8.00 | $\angle 517$ | 4.73 | 3.75 | 33.6 | 14.6 |
| 25 YR - 3 DAY | $1 \mathrm{CT15}$ | BASIN-10 | 71.83 | 6.7 | 8.00 | ,47105 | 2.25 | 1.97 | 16.7 | 1.6 4.6 |
| 25YR_3DAY | $1 \mathrm{CT16}$ | BASIN-10 | 71.83 | 64 | 3.00 | 95881 | -0.38 | -1.48 | 9.1 | -0.2 |
| 25YR-3DAY | $1 \mathrm{CT17}$ | BASIN-10 | 71.83 | . 47 | 3.00 | 7096 | 2.87 | -0.61 | 32.1 | 5.1 |
| 25 YR -3DAY | 1 Ст18 | BASIN-10 | 71.83 | 6.47 | 8.00 | と 3289 | 3.33 | 0.00 | 34.5 | 0.0 |
| 25YR-3DAY | 1CT19 | BASIN-10 | 71.83 | 47 |  | 7.51272 | 1.97 | 0.51 | 41.7 | 3.5 |
| 25YR-3DAY | 1 CT 21 | BASIN-10 | 71.83 | $\cdot 4$ | 8.00 | 1219206 | 12.85 | 12.59 | 69.1 | 26.4 |
| 25YR 3DAY | 1 CT 22 | BASIN-10 | 71.83 | 6. | 8.00 | 740369 | 5.08 | 4.86 | 41.7 | 11.9 |
| 25 YR -3DAY | $1 \mathrm{D01}$ | BASIN-10 | ? | 4.2 | 8.00 | 281757 | 177.50 | 177.86 | 356.5 | 361.0 |
| 25 YR - 3DAY | 1D01A | BASIN-10 BASIN-10 | . 83 | 1.24 | 8.00 | 25761 | 177.86 | 177.90 | 361.0 | 358.6 |
| 25 YR - 3DAY | 1D02 | BASIN-10 | 71.83 | 15 4 | 8.00 8.00 | 25820 398507 | 24.23 4.91 | 24.27 6.20 | 43.3 22.6 | 39.6 |
| 25YR-3DAY | 1D02A | BASIN-10 | 71.83 | 4 ? | 8.00 | 27244 | 147.01 | 147.10 | 291.7 | 288.8 |
| 25YR_3DAY | 1D02B | BASIN-10 | 83 | 43 | 8.00 | 27277 | -0.07 | 0.00 | 5.9 | 0.0 |
| 25 YR -3DAY | $1{ }^{103}$ | BASIN-10 | 7. ${ }^{\text {71 }}$ | 5.7 | 8.00 | 671832 | 137.81 | 140.69 | 287.2 | 207.9 |
| 25YR 3 3DAY | 1D03A | BASIN-10 | 71. | . 16 | 8.00 | 10829 | 140.69 | 140.73 | 207.9 | 273.9 |
| 25 YR -3DAY | 1D03B | BASIN-10 | 71.8 | 0.17 | 8.00 | 64533 | 37.24 | 37.56 | 119.4 | 119.6 |
| 25YR_3DAY | $1 \mathrm{DO4}$ | BASIN-10 | 71.83 | 5.20 | 8.00 | 37685 | 0.00 | 0.15 | 0.0 | -1.0 |
| 25YR 3DAY | 1 E 01 | BASIN-10 | 71.83 | 4.25 | 8.00 | 58514 | 181.30 | 181.55 | 349.2 | 348.9 |
| 25YR_3DAY | 1 E 02 | BASIN-10 | 71.83 | 4.63 | 8.00 | 2064974 | 162.99 | 181.30 | 371.4 | 349.2 |
| 25 YR -3DAY | 1E02A | BASIN-10 | 71.83 | 4.78 | 8.00 | 62941 | 127.52 | 127.96 | 259.4 | 258.3 |
| 25YR_3DAY | $1 \mathrm{F01}$ | BASIN-09 | 71.83 | 4.19 | 8.00 | 49942 | 158.88 | 159.08 | 343.5 | 343.4 |
| 25YR 3DAY | $1 \mathrm{F02}$ | BASIN-09 | 71.83 | 4.22 | 8.00 | 1291863 | 152.85 | 158.88 | 349.3 | 343.5 |
| 25YR_3DAY | 1F02A | BASIN-09 | 71.83 | 4.25 | 8.00 | 50110 | 125.44 | 125.68 | 238.9 | 238.5 |
| 25YR 3DAY | $1 F 04$ | BASIN-09 | 71.83 | 4.58 | 8.00 | 529648 | 121.07 | 125.30 | 246.7 | 236.2 |
| 25YR_3DAY | 1F04A | BASIN-09 | 71.83 | 4.58 | 8.00 | 17424 | 111.14 | 111.28 | 206.5 | 209.4 |
| 25YR_3DAY | 1F04B | BASIN-09 | 71.83 | 4.57 | 8.00 | 17407 | 125.30 | 125.44 | 236.2 | 238.9 |
| 25YR 3DAY | 1 F 05 | BASIN-09 | 71.83 | 4.84 | 8.00 | 884485 | 103.52 | 110.99 | 217.1 | 209.8 |
| 25YR_3DAY | 1F05A | BASIN-09 | 71.83 | 4.85 | 8.00 | 17949 | 96.17 | 96.32 | 190.4 | 187.1 |
| 25YR_3DAY | 1F05B | BASIN-09 | 71.83 | 4.84 | 8.00 | 17915 | 110.99 | 111.14 | 209.8 | 206.5 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 72 HR NODAL STAGE REPORT FOR 25 YR 3 DAY STORM

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface Area ft2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25YR_3DAY | 1 F06 | BASIN-09 | 71.83 | 5.08 | 8.00 | 1139448 | 88.62 | 96.05 | 216.2 | 187.9 |
| 25YR 3DAY | 1F06A | BASIN-09 | 71.83 | 5.08 | 8.00 | 18367 | 78.04 | 78.16 | 159.0 | 162.0 |
| 25 YR -3DAY | 1F06B | BASIN-09 | 71.83 | 5.07 | 8.00 | 18377 | 96.05 | 96.17 | 187.9 | 190.4 |
| 25YR-3DAY | 1 F08 | BASIN-09 | 71.83 | 5.22 | 8.00 | 3276811 | 64.70 | 77.82 | 236.1 | 160.7 |
| 25YR-3DAY | 1F08A | BASIN-09 | 71.83 | 5.22 | 8.00 | 54176 | 33.70 | 33.91 | 66.5 | 65.0 |
| 25YR-3DAY | 1F08B | BASIN-09 | 71.83 | 5.21 | 8.00 | 54062 | 77.82 | 78.04 | 160.7 | 159.0 |
| 25 YR -3DAY | 1LF1 | BASIN-10 | 71.83 | 5.98 | 8.00 | 7170011 | 22.24 | 0.00 | -7089.9 | 0.0 |
| 25YR-3DAY | 1 SL01 | BASIN-09 | 71.83 | 5.31 | 8.00 | 150504 | 16.95 | 16.56 | 78.5 | 74.7 |
| 25 YR -3DAY | 1 SL 02 | BASIN-09 | 71.83 | 5.32 | 8.00 | 19097388 | 80.69 | 15.41 | 610.3 | 67.0 |
| 25 YR -3DAY | 1 SLO 04 | BASIN-09 | 71.83 | 5.32 | 8.00 | 2635536 | 12. | 3.79 | 102.7 | 28.3 |
| 25 YR -3DAY | 1 SL 05 | BASIN-09 | 71.83 | 5.36 | 8.00 | 739309 | r. 1 | 11.09 | 75.1 | 55.5 |
| 25 YR -3DAY | $2 \mathrm{CTO1}$ | BASIN-10 | 71.83 | 6.58 | 8.00 | 1568137 | -. 82 | 3.56 | 101.2 | 43.2 |
| 25 YR -3DAY | $2 \mathrm{CT02}$ | BASIN-10 | 71.83 | 5.94 | 8.00 | 662235 | 14.11 | 54 | 61.6 | 49.4 |
| 25YR_3DAY | 2 CTO 3 | BASIN-10 | 71.83 | 5.95 | 8.00 | 4316044 | 19.37 | - ? | 148.4 | -20.2 |
| 25YR-3DAY | 2E03 | BASIN-10 | 71.83 | 5.83 | 8.00 | $229282^{-}$ | 6.91 | -13. | 41.3 | -26.6 |
| 25 YR -3DAY | BSN_1 | BASIN-09 | 71.83 | 5.22 | 8.00 | 24409 | 1399 | 23.76 | 116.1 | 50.9 |
| 25YR-3DAY | BSN-2 | BASIN-09 | 71.83 | 5.21 | 8.00 | 2424 | 298 | 37.85 | 104.1 | 38.8 |
| 25 YR -3DAY | $\mathrm{BSN}^{-3}$ | BASIN-10 | 71.83 | 5.23 | 8.00 | 764 | J. 21 | 119.08 | 349.9 | 343.9 |
| 25YR-3DAY | $\mathrm{BSN}^{-4}$ | BASIN-10 | 71.83 | 5.33 | 8.00 | 11462. | 0.33 | 0.62 | 2.7 | -0.5 |
| 25 YR -3DAY | BSN-5 | BASIN-09 | 71.83 | 5.20 | 8.00 | 52442 | -0.22 | 0.00 | 1.3 | 0.0 |
| 25YR-3DAY | BSN_SB\#1 | BASIN-10 | 71.83 | 5.59 | $8.0{ }^{\prime}$ | 28064 | ?2.20 | 92.18 | 180.0 | 150.5 |
| 25YR-3DAY | BSN-SB\#2 | BASIN-10 | 71.83 | 5.42 | 8.1 | 17146 | 18 | 92.20 | 150.5 | 167.9 |
| 25YR_3DAY | BSN-SB\#3 | BASIN-10 | 71.83 | 5.33 | 8.0 |  | 4. 31 | 93.33 | 164.1 | 159.8 |
| 25 YR -3DAY | BSN $\overline{\text { SB }}$ \#3A | BASIN-10 | 71.83 | 5.34 | 8.00 | 34. | 92.20 | 92.28 | 167.9 | 164.6 |
| 25YR-3DAY | BSN_SB\#4 | BASIN-10 | 71.83 | 5.20 | 8.00 | 37 د2 | 61.99 | 83.50 | 223.6 | 213.6 |
| 25YR 3DAY | BSN SB\#4A | BASIN-10 | 71.83 | 5.25 | 8.00 | +634 | 93.33 | 93.44 | 159.8 | 158.8 |
| 25 YR -3DAY | ${ }^{\mathrm{BS} \overline{\mathrm{N}}_{-} \mathrm{SBH5}}$ | BASIN-10 | 71.83 | 5.7 | 8.00 | 70439 | 83.50 | 83.80 | 213.6 | 211.8 |
| 25YR 3DAY | C-11 PARK 1 | BASE BASIN-09 | 71.83 71.83 | ${ }^{4} .21$ | 3.00 3.00 | 225 0768 | 518.52 | 0.00 | 1050.9 | 0.0 |
| - | - |  |  |  |  | 076 | 2.91 | 5.65 | 24.2 | 10.0 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 72 HR NODAL STAGE REPORT FOR 100 YR 3 DAY STORM

| Simulation | Node | Group | Time | Stage ft | Warning Stage ft | Surface Area ft2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100YR_3DAY | 1 A02 | BASIN-10 | 71.83 | 6.29 | 8.00 | 461422 | 3.67 | 2.19 | 10.8 | -5.2 |
| 100 YR -3DAY | 1A03 | BASIN-10 | 71.83 | 6.29 | 8.00 | 12595262 | 77.66 | 37.22 | 390.8 | 26.0 |
| 100YR-3DAY | 1A03A | BASIN-10 | 71.83 | 6.29 | 8.00 | 61917 | 2.41 | 2.21 | 18.7 | 16.4 |
| 100YR_3DAY | 1A04 | BASIN-10 | 71.83 | 6.29 | 8.00 | 192910 | 39.57 | 38.97 | 45.8 | 41.5 |
| 100YR 3DAY | 1A05 | BASIN-10 | 71.83 | 6.04 | 8.00 | 24280 | 38.97 | 39.06 | 41.5 | 37.4 |
| 100YR 3DAY | 1A06 | BASIN-10 | 71.83 | 6.04 | 8.00 | 24195 | 39.06 | 39.16 | 37.4 | 39.6 |
| 100YR_3DAY | $1 \mathrm{B01}$ | BASIN-10 | 71.83 | 6.30 | 8.00 | 197239 | 3.06 | 2.41 | 24.8 | 18.7 |
| 100YR_3DAY | 1BG02 | BASIN-09 | 71.83 | 5.79 * | 8.00 | 8341809 | 49.50 | 27.90 | 357.4 | 61.8 |
| 100YR_3DAY | $1 \mathrm{CO2}$ | BASIN-10 | 71.83 | 5.99 | 8.00 | 2211105 | 13.06 | 25.37 | 73.9 | 26.4 |
| 100YR-3DAY | 1 CO 4 | BASIN-10 | 71.83 | 5.99 | 8.00 | 913260 | -5.r | 0.00 | 19.0 | 0.0 |
| 100YR 3DAY | $1 \mathrm{CO5}$ | BASIN-10 | 71.83 | 5.99 | 8.00 | 1617820 | 9r y | 99.23 | 233.4 | 168.5 |
| $100 \mathrm{YR}{ }^{-3 D A Y}$ | 1C05A | BASIN-10 | 71.83 | 5.99 | 8.00 | 50065 | -. 75 | -2.01 | 38.5 | 36.4 |
| 100YR_3DAY | 1C10 | BASIN-10 | 71.83 | 6.45 | 8.00 | 620775 | 35.57 | 75 | -310.9 | 38.5 |
| 100YR_3DAY | 1 C 14 | BASIN-10 | 71.83 | 6.60 | 8.00 | 544527 | 6.71 | - 1 | 664.8 | -7753.1 |
| 100YR-3DAY | 1 C 15 | BASIN-10 | 71.83 | 6.60 | 8.00 | 812436 | 8.37 | 5. | 32.3 | 649.8 |
| 100 YR -3DAY | $1 \mathrm{C16}$ | BASIN-10 | 71.83 | 6.74 | 8.00 | 5300 | 4.12 | 4.06 | 33.3 | 9.8 |
| 100YR-3DAY | $1 \mathrm{CTO1}$ | BASIN-10 | 71.83 | 6.72 | 8.00 | 175-7 | - 5 | 5.24 | 65.1 | 4.9 |
| 100YR_3DAY | $1 \mathrm{CTO2}$ | BASIN-10 | 71.83 | 6.64 | 8.00 | 1672 | . 35 | 21.37 | 91.3 | 29.5 |
| 100 YR -3DAY | 1 CT 03 | BASIN-10 | 71.83 | 6.59 | 8.00 | 34801\%. | +6.46 | 38.45 | 198.6 | 97.0 |
| 100YR_3DAY | $1 \mathrm{CTO4}$ | BASIN-10 | 71.83 | 6.47 | 8.00 | 2938015 | 101.00 | 84.97 | 332.8 | 219.4 |
| 100YR_3DAY | 1 CT 05 | BASIN-10 | 71.83 | 6.46 | 8.08 | 2695948 | 22.88 | 118.01 | 389.8 | 257.4 |
| 100YR-3DAY | 1 СT06 | BASIN-10 | 71.83 | 5.41 | 8.1 | 12220 | 30 | -12.26 | 402.8 | -7.8 |
| 100YR_3DAY | 1 Ст07 | BASIN-10 | 71.83 | 6.43 | 8.0 |  | 10.5 | 103.94 | 259.6 | 236.1 |
| 100 YR -3DAY | $1 \mathrm{CT08}$ | BASIN-10 | 71.83 | 6.41 | 8.00 | 27004 | 111.71 | 96.46 | 307.4 | 202.8 |
| 100 YR -3DAY | 1 CT13 | BASIN-10 | 71.83 | 6.94 | 8.00 | 492 د2 | +8.42 | 9.98 | 199.8 | 24.4 |
| 100YR_3DAY | 1CT14 | BASIN-10 | 71.83 | 6.79 | 8.00 | ¢ 3924 | 6.35 | 3.94 | 47.2 | 18.9 |
| 100YR_3DAY | $1 \mathrm{CT15}$ | BASIN-10 | 71.83 | 6.9 | 8.00 | 61626 | 3.01 | 2.11 | 23.4 | 5.8 |
| 100YR_3DAY | 1 CT16 | BASIN-10 | 71.83 |  | 3.00 | 15271 | 0.36 | -1.44 | 13.8 | -0.3 |
| 100YR_3DAY | $1 \mathrm{CT17}$ | BASIN-10 | 71.83 | 06 | . 00 | 8341 | 4.40 | -1.11 | 44.9 | 6.4 |
| 100 YR -3DAY | 1 CT18 | BASIN-10 | 71.83 | 1.07 | 8.00 | - 739 | 5.24 | 0.00 | 46.4 | 0.0 |
| 100 YR -3DAY | 1 CT19 | BASIN-10 | 71.83 | . 08 |  | 1504445 | 4.54 | 1.74 | 61.2 | 3.9 |
| 100YR_3DAY | 1 CT 21 | BASIN-10 | 71.83 | ${ }^{5}$ | 8.00 | +652202 | 15.58 | 13.57 | 94.2 | 31.6 |
| 100 YR -3DAY | 1 CT 22 | BASIN-10 | 71.83 | 7. | 8.00 | 1095717 | 6.72 | 4.87 | 56.6 | 14.0 |
| 100YR-3DAY | $1 \mathrm{DO1}$ | BASIN-10 | 71 | 4.3. | 8.00 | 327385 | 213.70 | 214.30 | 458.8 | 463.0 |
| 100 YR -3DAY | 1D01A | BASIN-10 | . 3 | 1.35 | 8.00 | 26110 | 214.30 | 214.34 | 463.0 | 461.2 |
| 100YR 3DAY | 1D01B | BASIN-10 | 1.83 | 36 | 8.00 | 26174 | 29.81 | 29.86 | 55.6 | 50.6 |
| 100YR_3DAY | 1 102 | BASIN-10 | 71.83 | $\div 4$ | 8.00 | 499284 | 6.85 | 9.04 | 35.8 | 31.9 |
| 100YR-3DAY | 1D02A | BASIN-10 | 71.83 | 5.3 | 8.00 | 28236 | 175.15 | 175.28 | 365.9 | 363.6 |
| 100YR_3DAY | 1D02B | BASIN-10 | . 83 | 5. ; | 8.00 | 28276 | -0.36 | 0.00 | 4.4 | 0.0 |
| 100YR_3DAY | 1 103 | BASIN-10 | - 33 | 55 | 8.00 | 874512 | 160.74 | 221.54 | 360.1 | 298.3 |
| 100YR_3DAY | 1D03A | BASIN-10 | 71. | 64 | 8.00 | 11405 | 221.54 | 165.75 | 298.3 | 338.4 |
| 100YR_3DAY | 1D03B | BASIN-10 | 71.8. | 3.65 | 8.00 | 67920 | 42.95 | 42.80 | 142.7 | 141.6 |
| 100YR-3DAY | $1{ }^{104}$ | BASIN-10 | 71.83 | 5.69 | 8.00 | 38291 | 0.00 | 0.19 | 0.0 | -1.6 |
| 100YR-3DAY | $1 \mathrm{EO1}$ | BASIN-10 | 71.83 | 4.40 | 8.00 | 60664 | 231.32 | 231.76 | 460.4 | 459.9 |
| 100YR-3DAY | 1 E 02 | BASIN-10 | 71.83 | 4.93 | 8.00 | 2581375 | 197.22 | 231.32 | 498.9 | 460.4 |
| 100YR 3DAY | 1E02A | BASIN-10 | 71.83 | 5.11 | 8.00 | 66516 | 150.82 | 151.50 | 317.8 | 316.3 |
| 100YR_3DAY | $1 \mathrm{F01}$ | BASIN-09 | 71.83 | 4.33 | 8.00 | 50735 | 207.73 | 208.14 | 463.4 | 463.1 |
| 100YR_3DAY | 1F02 | BASIN-09 | 71.83 | 4.38 | 8.00 | 1533100 | 193.82 | 207.73 | 474.2 | 463.4 |
| 100YR 3DAY | 1F02A | BASIN-09 | 71.83 | 4.41 | 8.00 | 51026 | 156.20 | 156.67 | 298.5 | 298.0 |
| 100YR_3DAY | 1 FO 4 | BASIN-09 | 71.83 | 4.92 | 8.00 | 724196 | 146.02 | 155.95 | 310.6 | 298.8 |
| 100YR 3DAY | $1 \mathrm{F04A}$ | BASIN-09 | 71.83 | 4.93 | 8.00 | 18074 | 132.39 | 132.64 | 248.8 | 250.5 |
| 100YR_3DAY | 1F04B | BASIN-09 | 71.83 | 4.91 | 8.00 | 18053 | 155.95 | 156.20 | 298.8 | 298.5 |
| 100YR 3DAY | 1 F 05 | BASIN-09 | 71.83 | 5.30 | 8.00 | 1133130 | 117.51 | 132.15 | 270.8 | 251.5 |
| 100YR_3DAY | 1F05A | BASIN-09 | 71.83 | 5.30 | 8.00 | 18805 | 107.53 | 107.77 | 226.7 | 224.0 |
| 100YR_3DAY | 1F05B | BASIN-09 | 71.83 | 5.30 | 8.00 | 18770 | 132.15 | 132.39 | 251.5 | 248.8 |

SOUTH BROWARD DRAINAGE DISTRICT (SBDD)
SBDD BASINS S-9 AND S-10 72 HR NODAL STAGE REPORT FOR 100 YR 3 DAY STORM

| Simulation | Node | Group | Time hrs | Stage ft | Warning Stage ft | Surface <br> Area ft2 | Total Inflow cfs | $\begin{array}{r} \text { Total } \\ \text { Outflow } \\ \text { cfs } \end{array}$ | Total Vol In af | Total <br> Vol Out af |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100YR_3DAY | 1 F06 | BASIN-09 | 71.83 | 5.59 | 8.00 | 1429792 | 95.23 | 107.37 | 264.3 | 225.2 |
| 100YR_3DAY | 1F06A | BASIN-09 | 71.83 | 5.59 | 8.00 | 19329 | 80.55 | 80.72 | 181.3 | 180.8 |
| 100YR_3DAY | 1F06B | BASIN-09 | 71.83 | 5.59 | 8.00 | 19339 | 107.37 | 107.53 | 225.2 | 226.7 |
| 100YR_3DAY | $1 \mathrm{F08}$ | BASIN-09 | 71.83 | 5.74 | 8.00 | 4031008 | 66.00 | 80.32 | 300.8 | 183.5 |
| 100YR_3DAY | 1F08A | BASIN-09 | 71.83 | 5.74 | 8.00 | 57023 | 27.90 | 28.12 | 61.8 | 59.6 |
| 100YR-3DAY | 1F08B | BASIN-09 | 71.83 | 5.73 | 8.00 | 56914 | 80.32 | 80.55 | 183.5 | 181.3 |
| 100YR_3DAY | 1LF1 | BASIN-10 | 71.83 | 6.60 | 8.00 | 7840317 | 31.62 | 0.00 | -6997.0 | 0.0 |
| 100YR-3DAY | 1 SL01 | BASIN-09 | 71.83 | 5.80 | 8.00 | 186261 | 12.04 | 11.27 | 83.0 | 77.4 |
| 100 YR -3DAY | 1 SLO2 | BASIN-09 | 71.83 | 5.80 | 8.00 | 20483196 | 113.65 | 9.97 | 829.2 | 66.9 |
| 100 YR -3DAY | 1 SL 04 | BASIN-09 | 71.83 | 5.81 | 8.00 | 2866518 | 17.' | 2.72 | 141.3 | 36.8 |
| 100YR-3DAY | 1 SL05 | BASIN-09 | 71.83 | 5.97 | 8.00 | 967796 | 170 | 22.55 | 102.8 | 71.5 |
| 100 YR -3DAY | 2 CT 01 | BASIN-10 | 71.83 | 7.37 | 8.00 | 1928649 | -. 09 | $\bigcirc .80$ | 144.2 | 54.5 |
| 100 YR -3DAY | $2 \mathrm{CTO2}$ | BASIN-10 | 71.83 | 6.50 | 8.00 | 1083598 | 23.67 | 51 | 90.9 | 67.5 |
| 100 YR -3DAY | $2 \mathrm{CT03}$ | BASIN-10 | 71.83 | 6.51 | 8.00 | 4889835 | 25.99 | $\checkmark 7$ | 204.9 | -23.4 |
| 100YR-3DAY | 2E03 | BASIN-10 | 71.83 | 6.36 | 8.00 | 2554807 | 9.50 | -21. | 59.9 | -38.4 |
| 100YR 3DAY | BSN_1 | BASIN-09 | 71.83 | 5.74 | 8.00 | 25054 | 18.51 | 30.14 | 157.4 | 61.6 |
| 100YR 3DAY | $\mathrm{BSN}^{-1} 2$ | BASIN-09 | 71.83 | 5.73 | 8.00 | $250{ }^{-1} 4$ | 3. -6 | 49.92 | 141.0 | 46.5 |
| 100 YR -3DAY | BSN-3 | BASIN-10 | 71.83 | 5.72 | 8.00 | 934: | . 21 | 132.65 | 440.1 | 424.5 |
| 100 YR -3DAY | $\mathrm{BSN}^{-3} 4$ | BASIN-10 | 71.83 | 5.82 | 8.00 | 12192. | 0.43 | 0.83 | 3.7 | -0.9 |
| 100 YR -3DAY | BSN ${ }^{-5}$ | BASIN-09 | 71.83 | 5.70 | 8.00 | 56833 | -0.27 | 0.00 | 1.9 | 0.0 |
| 100YR_3DAY | BSN_SB\#1 | BASIN-10 | 71.83 | 6.11 | 8.0 r | 28511 | ${ }^{7} 6.46$ | 96.43 | 202.8 | 181.4 |
| 100YR_3DAY | BSN_SB\#2 | BASIN-10 | 71.83 | 5.91 | 8.1 | 17255 | 43 | 96.46 | 181.4 | 193.3 |
| 100YR 3DAY | BSN-SB\#3 | BASIN-10 | 71.83 | 5.82 | 8.0 |  | 9.0 | 97.96 | 189.4 | 183.0 |
| 100YR 3DAY | BSN ${ }^{\text {S }}$ B\#3A | BASIN-10 | 71.83 | 5.83 | 8.00 | 35 r | 96.46 | 96.57 | 193.3 | 190.2 |
| 100YR 3DAY | BSṄ ${ }^{\text {SB\#4 }}$ | BASIN-10 | 71.83 | 5.69 | 8.00 | $38^{\circ} \mathrm{J}$ | 59.89 | 91.83 | 280.2 | 266.3 |
| 100YR 3DAY | BSN SB\# ${ }^{\text {S }}$ AA | BASIN-10 | 71.83 | 5.73 | 8.00 | -992 | 97.96 | 98.11 | 183.0 | 181.8 |
| 100YR 3DAY | BSN_SB\#5 | BASIN-10 | 71.83 | 5.6 | 8.00 | 12116 | 91.83 | 92.22 | 266.3 | 263.7 |
| 100 YR -3DAY | C-11 | BASE | 71.83 | 4 J | - 00 | 225 | 654.24 | 0.00 | 1384.2 | 0.0 |
| 100YR_3DAY | PARK_1 | BASIN-09 | 71.83 |  | . 00 | 7820 | 3.86 | 8.41 | 32.8 | 9.5 |

## SOUTH BROWARD DRAINAGE DISTRICT



## BASIN S-: 1



## DESCRIPTION

The S-11 Basin is located in the far northwest corner of the District and is approximately 1,100 acres in size. This basin is composed primarily of undeveloped wetlands, with an average elevation of 5.0' NGVD. Basin S-11 is bounded on the north by Griffin Road, the east by US 27, the south by Pines Boulevard, and the west by the SFWMD Conservation Area 3A.

The boundaries and existing facilities for Basin S-11 are shown in Figure II-I-1.
Due to its environmental sensitivity, this basin was acquired by the SFWMD and will not be subject to further development. The only development within the basin is a mobile home park, Holly Lake, which is located in the south end of the basin.

With the exception of Holly Lake, the remainder of Bar . ${ }^{`}-11$ drains via overland flow to the South Broward Drainage District Canal No. 15. wnich c veys the stormwater runoff to the SFWMD C-11 Canal.

Basin S-11 will be impacted by the propose. BC` PA project (see Significant Future Projects section). This is a joint project by SFWNı. and the COE that meets the planning goals set forth in the CERP and incluc ine cons, iction of the C-11 and C-9 aboveground impoundment areas; a 4,553-c re . . re management area east of Water Conservation Area 3A; and cana ${ }^{1}$ nnvey, , © improvements to the SBDD Canal No. 9. Additional information on this roje, incl ling the Executive Summary from the Final Integrated BCWPA PIR and 「 S can P fnumc at:

## http://www.everglade- - $\mathbf{o r}_{z}$ 'om/projects/docs_45_broward_wpa_final_pir.aspx

It is SBDD's intentio. +o work ' ith both SFWMD and the COE on the design elements of this project to ensure $\mathrm{t}_{\mathrm{t}}+$ thf $^{\mathrm{f}}$ are no adverse impacts to the District.

Since 2005, the following improvements have been completed within the S-11 Basin:

- Miscellaneous culvert cleaning.

Figure II-I-1 depicts the existing facilities in Basins S-11 and Table II-I-1 provides the existing culvert schedule for the basin. Figure II-I-2 shows the existing staff gauges within Basin S-11, with corresponding Schedule Table II-I-2.

## SUMMARY \& RECOMMENDATIONS

An analysis of Basin S-11 is not presented in this Facilities Report, as this basin was acquired by SFWMD and will remain a permanent wetland/buffer area. Over the years, there has been no reported drainage or flooding problems within the Holly Lake development.


TABLE II-I-1
BASIN S-11 EXISTING CULVERT SCHEDULE

| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11-1 | U.S. 27 Canal / SBDD Canal 15 | U.S. 27 \& (N) of Pines Blvd. | 48 | CMP | CIRC. | 69 |  |
| 11-2 | Holly Lake Trailer Park | 21720 N. Heritage Cir. | 42 | RCP | CIRC. | 166 |  |
| 11-3 | Holly Lake Trailer Park | (E) of 731 NW 217th Way | 42 | CMP | CIRC. | 70 |  |
| 11-4 | Holly Lake Trailer Park | NW 215th Ave. \& Johnson St. | 48 | CMP | CIRC. | 97 |  |
| 11-5 | Holly Lake Trailer Park | U.S. 27 \& Johnson St. | 48 | CMP | CIRC. | 100 |  |
| 11-6 | U.S. 27 Canal / SBDD Canal 15 | U.S. 27 \& FPL Road |  | CMP | CIRC. | 43 |  |
| 11-7.1 | U.S. 27 Canal / SBDD Canal 15 | 6101 U.S. 27 |  | CMP | CIRC. | 20 |  |
| 11-7.2 | U.S. 27 Canal / SBDD Canal 15 | 6101 U.S. 27 | 42 | CMP | CIRC. | 20 |  |
| 11-8 | U.S. 27 Canal / SBDD Canal 15 | U.S. 27 \& Stirling Rd. | 48 | CMP | CIRC. | 42 |  |
| 11-10 | U.S. 27 Canal / SBDD Canal 15 | U.S. 27 \& (S) of Griffin Rd. | 72 | CMP | CIRC. | 34 |  |
| 11-11 | Holiday Park Entry Rd. | U.S. 27 \& Griffin Rd. | 72 | RCP / CMP | CIRC. | 99 |  |
|  |  |  |  |  |  |  |  |



TABLE II-I-2
BASIN S-11 STAFF GAUGE SCHEDULE

## SOUTH BROWARD DRAINAGE DISTRICT



$$
\text { BASIN S-: } 2
$$



## DESCRIPTION

The S-12 Basin is located in the south central part of the District, south of Basins S-2 and S-3 and contains 2.5 square miles of mostly residential developments.

Basin S-12 is bordered on the south by the Miami-Dade County/Broward County line, to the east by Red Road to the north by the Florida Turnpike Extension and to the west by SW $148^{\text {th }}$ Avenue. The SFWMD C-9 Canal extends along the west boundary of the basin and splits the basin through Sections 34, $35 \& 36$.

The overall boundaries of Basin S-12 and its existing facilities are shown in Figure II-J-1, and Table II-J-1 provides a summary of the Basin S-12 basin characteristics.

There have been no District improvements completed wit ${ }^{1}$ n the $\mathrm{S}-12$ Basin since 2005.
The following new developments have been completer

* Las Terazzas, Boardwalk, Somerset Acad ny Miramar, a. I Red Road Residences.

There are no infrastructure improvements prope ${ }^{\circ} r^{\prime}$ or the $\mathrm{S}-12$ Basin.
Figure II-J-1 depicts the existing facili $\therefore \quad$ Basir -12 and Table II-J-2 provides the existing culvert schedule for the basin. 1 gure . ${ }^{\top}-2$ an II-J-3 show the existing control structures and staff gauges withi- ' $\operatorname{asin} \leqslant 1$, , respectively, with corresponding Schedule Tables II-J-3 and II-J-4.

## SUMMARY \& REC' MME, TA'I NNS

SBDD does not havt basin-w le permit for Basin S-12 and this basin is not controlled by any of the District. exis ${ }^{+}$.g pump stations. All development within the basin is required to meet SFWML iteria for water quality and discharge. The receiving water body for Basin S-12 is the SFWMD C-9 Canal.

All discharge to the SFWMD C-9 Canal is through individual control structures. This Basin is not included in the District's AdICPR stormwater model.

Basin S-12 currently meets the District's adopted Level of Service. All roads and finished floors are permitted to be constructed above the 10-year, 3-day and 100-year, 3-day elevations, respectively.

TABLE II-J-1

## SUMMARY OF BASIN CHARACTERISTICS BASIN S-12

GENERAL





TABLE II-J-2

| ${ }^{\text {I }}$ | N S-12 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Suldivision | Location | Sire | Material | Shope | Lengh | General Comment |
| ${ }^{12.1}$ | Silver Fals | Flamingo Rd.2 S Silver Falls Blvd | ${ }^{126}$ | CAP | circ. | ${ }^{165}$ |  |
| ${ }^{12.2 .21}$ | Red R. 8 . Honeytill R. | Red R. \& \& Honeydill Rd. | ${ }^{36}$ | ${ }_{\text {RCP }}$ | circ. | 112 |  |
| ${ }^{12,22}$ | Red R. \& H Honeyhill R. | Red. R. $\&$ Honeydill Rd . | ${ }^{36}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{112}$ |  |
| 12.23 | Red R. 8 H Honeytill Rd d | Red Rd. \& Honeyeyill Rd d. | ${ }^{36}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{112}$ |  |
| ${ }^{12,3}$ | Flaminge R. \& Honeyhill Rd. - (EW) |  | 60 | ${ }_{\text {cmp }}$ | Clirc. | 300 |  |
| ${ }^{12,4}$ | Flamingo Rd. \& Honeyilill dd . -(NS) Pipe | Flaming Rd. 8 Honeytill Rd d. | ${ }^{174}$ | CMP | circ. | ${ }^{124}$ |  |
| 12.5 | Someserel IV Aparmens- Outall | Someserelv Aparments \& Flamingo Rd. | ${ }^{36}$ | ${ }_{\text {RCP }}$ | CIRC. | ${ }^{120}$ | Commol Smucture |
| ${ }^{22-6}$ | Boadwal/ Somesesel IV Apatrenens | (w) of Flamingo R. \& S Somesese Blvd. | ${ }_{54}$ | ${ }_{\text {RCP }}$ | circ. | 1824 |  |
| ${ }^{12.7}$ | Samorini ilsest Vivaya | (N) of foney Hill R. R. S Someses PRuy. | 45 | ${ }_{\text {RCP }}$ | circ. | ${ }^{882}$ |  |
| ${ }^{2.8 .8 .1}$ | S.7. Pump Staion | 4301 SW 124 thave. | ${ }_{42}$ | Strel | circ. | 5 | K GPM, Pump |
| ${ }^{12.8 .82}$ | 5.7.7um Sation | 43015 SW 124 latave | 42 | Strei | circ. | 5 | 4.5.5 GPM, Pmp \#2 |
| ${ }^{12.83}$ | 5.7. Pump Staion | 43015 SW 124 Alave | ${ }^{42}$ | stele | IIRC. | 5 | 4., K GPM, Pmpm ${ }^{\text {a }}$ |
| ${ }^{12.8,4}$ | S.7Pump Sation |  | 42 | Strei | circ. | 5 | Fie flow Tibe |
| 12.9 | Vizaya - ${ }^{\text {a }}$ |  | 48 | ${ }_{\text {RCP }}$ | CIRC. | ${ }_{4} 34$ |  |
| ${ }^{12-10}$ | Vizaya |  | ${ }^{48}$ | ${ }^{\text {RCP }}$ | circ. | ${ }_{5} 35$ |  |
| ${ }^{12.11}$ | vizaya |  | ${ }^{48}$ | ${ }_{\text {RCP }}$ | circ. | ${ }_{785}$ |  |
| ${ }^{1212}$ | vizaya | (W) of SW, hrers | ${ }^{36}$ | CP/ CMP | circ. | ${ }^{333}$ |  |
| ${ }^{12213}$ | Vizaya |  | ${ }^{48}$ | ${ }^{\text {RCP }}$ | ${ }_{\text {circ }}$ | ${ }^{296}$ |  |
| 12.14 | Vizaya- Yachiclub | \% ${ }^{1.354 .}$ | ${ }^{48}$ | ${ }_{\text {RCP }}$ | circ. | ${ }_{5}^{336}$ |  |
| ${ }^{12.15}$ | Vizaya- Yach Club |  | ${ }^{36448}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{561}$ |  |
| ${ }^{22-16}$ | Vizaya Outalal | or sw $134 t$ ve. e C.9 Canal | ${ }^{48}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{193}$ | Conrol Smature |
| ${ }^{12-7.1}$ | Vizaya-Somesece Blv. Errance |  | 96 | ${ }_{\text {RCP }}$ | circ. | ${ }^{88}$ |  |
| ${ }^{12-172}$ | Vizaya- Somesee Blvi. Errance | Fiminins ${ }^{\text {a }}$ Somesese Blvd. | ${ }_{9}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{88}$ |  |
| ${ }^{1218}$ | Vicaya- Somesest If Suth |  | 36 | HDPE | circ. | ${ }^{71}$ |  |
| 12.19 | Vizaya- Somesetill souh | Fri Peoni Comector- 2nd ( ) of tomenhili Rd. | ${ }^{36}$ | HDPE | circ. | ${ }^{172}$ |  |
| 12.20 | Vizaya- Somesestll South |  | ${ }^{36}$ | HDPE | circ. | ${ }^{60}$ |  |
| 12.21 | Viraya- Somesestil South | FPL Pond Comeecor- -4t (N) of foneyhill Rd. | ${ }^{36}$ | нDPE | circ. | ${ }^{60}$ |  |
| ${ }^{1222}$ | Viraye - Somesestll South |  | ${ }^{36}$ | HDPE | circ. | ${ }^{60}$ |  |
| ${ }^{1223}$ | Vicaya- Somesetell South |  | ${ }^{36}$ | HDPE | circ. | ${ }^{131}$ |  |
| ${ }^{1224}$ | Vizaya- Somesell I South |  | ${ }^{36}$ | HDPE | circ. | ${ }^{65}$ |  |
| 12.25 | Vizaya-Somesell ISouth | Somesese Blid. \& FPL Lines | ${ }^{48}$ | ${ }_{\text {RCP }}$ | circ. | ${ }^{338}$ |  |
| ${ }^{1226}$ | Vizaya- Belagio |  | 48 | ${ }_{\text {RCP }}$ | circ. | ${ }_{4} 58$ |  |

TABLE II-J-2

| BASIN S-12 EXISTING CULVERT SCHEDULE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | Subdivision | Location | Size | Material | Shape | Length | General Comments |
| 12-27 | Vizcaya - Bellagio | FPL Pond Connector - 2nd (N) of Somerset Blvd. | 36 | HDPE | CIRC. | 60 |  |
| 12-28 | Vizcaya - Bellagio | FPL Pond Connector - 3rd (N) of Somerset Blvd. | 36 | HDPE | CIRC. | 60 |  |
| 12-29 | Vizcaya - Bellagio | FPL Pond Connector - 4th (N) of Somerset Blvd. | 36 | HDPE | CIRC. | 70 |  |
| 12-31 | Vizcaya - Bellagio | FPL Pond Connector - 6th (N) of Somerset Blvd. | 36 | HDPE | CIRC. | 90 |  |
| 12-32 | Vizcaya - Bellagio | FPL Pond Connector - 7th (N) of Somerset Blvd. | 36 | HDPE | CIRC. | 103 |  |
| 12-34 | Vizcaya - Bellagio | FPL Pond Connector - 9th (N) of Somerset Blvd. | 36 | HDPE | CIRC. | 60 |  |
| 12-35 | Silver Falls | Silver Falls Blvd. \& (W) of SW 125th Ln. | 48 | RCP | CIRC. | 151 |  |
| 12-36 | Silver Falls | 4292 SW 126th Ave. | , | RCP | CIRC. | 313 |  |
| 12-37 | Silver Falls | Silver Falls Blvd. \& (E) of Rec. Center | 48 | RCP | CIRC. | 434 |  |
| 12-38 | Silver Falls | 4201 SW 131st Ln. | 48 | RCP | CIRC. | 280 |  |
| 12-39 | Silver Falls | 13323 SW 44th St. | 48 | RCP | CIRC. | 315 |  |
| 12-40 | Silver Falls | Silver Falls Blvd. \& SW 132nd ^ ve. | 48 | RCP | CIRC. | 1476 |  |
| 12-41 | Silver Falls | 4621 SW 131st Ter. | 48 | RCP | CIRC. | 332 |  |
| 12-42 | Silver Falls - Outfall to SFWMD C-9 Canal | Behind 4691 SW 131st Ter. | 48 | RCP | CIRC. | 130 | Control Structure |
| 12-43 | Silver Falls | 4588 SW 129th Av | 48 | RCP | CIRC. | 326 |  |
| 12-44 | Silver Falls | 4574 SW 127t' er. | 48 | RCP | CIRC. | 597 |  |
| 12-45 | Silver Falls | 4638 SW 1<. | 48 | RCP | CIRC. | 316 |  |
| 12-46 | Turnpike - Outfall to Blue Gill Rd. Canal |  | 48 | RCP | CIRC. | 196 |  |
| 12-47 | Turnpike - Outfall to Blue Gill Rd. Canal |  | 54 | RCP | CIRC. | 182 |  |
| 12-48 | Silver Falls | sW 125th Lane (N) of $\lrcorner$ W 44th Ct. | 48 | RCP | CIRC. | 293 |  |
| 12-49.1 | Boardwalk Town Center | - mingo Rd. Ca 1 \& SW 50th St. | 96 | RCP | CIRC. | 132 |  |
| 12-49.2 | Boardwalk Town Center | Flaı. ${ }^{\text {o Rd. }}$. .al \& SW 50th St. | 96 | RCP | CIRC. | 132 |  |
| 12-50 | Vizcaya - Somerset Blvd. | Somerst d. \& (W) of Flamingo Rd. | 42 | RCP | CIRC. | 1068 |  |
| 12-51 | Flamingo Rd. Canal \& ( N ) of C-9 Canal | Flamingo Rd. Canal \& ( N ) of C-9 Canal | BRIDGE |  |  |  |  |
| 12-52 | Red Road Residences / Modera Miramar | (W) of Red Rd. \& SW 45th Pl. | 48 | RCP | CIRC. | 848 | Control Structure |
|  |  |  |  |  |  |  |  |



| ID Lubdivision | Location | General Comments |  |
| ---: | :--- | :--- | :--- |
| $12-5$ | Somerset IV Apartments | (S) of Somerset Blvd \& (W) of Flamingo Rd. Canal | Concrete Weir w/ 8" x 8" Triangle @ 3.00 NGVD |
| $12-16$ | Vizcaya | Somerset Pkwy. \& (W) of SW 134th Ave. | Aluminum Weir w/ 8" W x 42" H Notch @ 3.00 NGVD |
| $12-42$ | Silver Falls | Behind 12898 SW 47th St. @ C-9 Canal | Aluminum Weir w/ 36" x 6" Triangle @ 3.00 NGVD |
| $12-52$ | Red Rd. Residences | (W) of Red Rd. \& SW 45th Pl. | Concrete Weir w/ 3" Bleeder |



TABLE II-J-4
BASIN S-12 STAFF GAUGE SCHEDULE
$\square$

## SOUTH BROWARD DRAINAGE DISTRICT



## SIGNIFICANT FUTURE PROJECTS

## BROWARD COUNTY WATER PRESERVE AREAS PROJECT

The Broward County Water Preserve Areas (BCWPA) is a joint project between SFWMD \& USACOE aimed at addressing the loss of ecosystem function within the Everglades. It is an $\$ 866$ Million Project Located in Southwest Broward County with a total project area of 7,990 Acres. A significant portion of the project is located within the jurisdictional boundaries of SBDD and all components of the project have the potential to impact the District.

The Goals and Objectives of the Project Include:

- Reduce seepage loss from the Conservation Areas
- Reduce nutrient loading and improve water quality in the Everglades
- Improve fish and wildlife habitat in the Eve , rades, including habitat for threatened and endangered species
- Provide groundwater recharge
- Provide water supply to urban areas
- Help prevent saltwater intrusion

The Project includes the following water managen. 1 t and environmental features:

- C-11 Impoundment Area
- $1,830 \mathrm{Ac}$
- 4.3-foot depth (1,0r
- Mitigation 488 f
- Unlined
- C-9 Impoundmen ${ }^{+}$^rea
- 1,807 P
- $4.3-\mathrm{fc}$ depth ( $1, \not, \not 1 \mathrm{Ac}$ )
- Mitigatic 339 Ac
- Unlined
- Water Conservation Area 3A/3B Seepage Management Area (SMA)
- Hydraulic Ridge
- $4,353 \mathrm{Ac}$
- 18 inch depth

The following project milestones have been reached as of the end of 2012:

- Final Project Implementation Report - Completed
- Headquarters Fatal Flaw Review - Completed
- State and Agency Review - Completed
- USACE Division and Headquarters Review - Completed
- Chief's Signature on Report - Completed
- SFWMD Letter of Support - Completed
- Record of Decision - Pending

SBDD will continue to coordinate with both SFWMD and COE on the final design elements and implementation of this major project to ensure that there are no adverse impacts to the water management facilities of SBDD.

Additional information on this project can be found at:
http://www.evergladesplan.org/pm/projects/docs_45_broward_wpa_final_pir.aspx

## I-75 (SR 93) EXPRESS LANES PROJECT

The I-75 Express Lanes project is a Florida Department of Transportation (FDOT) project to construct express lanes within the existing I-75 corridor, which bisects SBDD from Griffin Road to the C-9 Canal. Within the SBDD jurisdictional boundaries, the project is split into six (6) different sub-basins and extends through the following SBDD drainage basins: S-8, S-13, S-3, and S-4. Pretreatment of stormwater runoff and water quality is provided within the I-75 corridor prior to discharge. $\Gamma^{\prime}$, charge into SBDD facilities is managed through control structures. FDOT engineer , ve provided a drainage report and drainage calculations demonstrating that the propos ${ }^{1}$ improvements will reduce discharge into SBDD facilities and improve wa ${ }^{+}$quality fo. the area within the I-75 right-of-way. The project includes improvem its for vater quality and storage and an improved conveyance system of swales/culve \& The project is expected to begin construction in 2014.

## REFERENCES

South Broward Drainage District, "Public Facilities Report", 1993, 1998-Update, 2005Update

Singhofen, P.E., P.J. and Eaglin, L.M.: "Users Manual for Advanced ICPR, Version 2.0", 1995; Version 3.02, 2002

* Refer to previous SBDD Facilities Reports for additional references.


## SOUTH BROWARD DRAINAGE DISTRICT



## EXHIBT'S



# EXHIBIT "A" <br> LEGAL DESCRIPTION OF DRAINAGE BASINS WITHIN SOUTH BROWARD DRAINAGE DISTRICT 

## BASIN S-1 CONSISTS OF:

a) All of Sections 9, 15, 16, 21 and 28, Township 51 South, Range 41 East. Together with
b) The South one-half ( $\mathrm{S}^{1 / 2}$ ) of Section 10, Township 51 South, Range 41 East. Together with
c) The Southwest one-quarter (SW $1 / 4$ ) of Section 11, Township 51 South, Range 41 East. Together with
d) The Northwest one-quarter (NW $1 / 4$ ) of Section 1 Township 51 South, Range 41 East. Together with
e) The North one-half ( $\mathrm{N}^{1 / 2}$ ) of Section 22, Tow ship 51 S th, Range 41 East.

## BASIN S-2 CONSISTS OF:

a) All of Sections 19, 20, (, anc 30, T vnship 51 South, Range 41 East. Together with
b) The South one-half (S , if Sections 17 and 18, Township 51 South, Range 41 East. Together aur
c) All of Sectior 24 and $\angle 厶$ Township 51 South, Range 40 East. Together with
d) The South on ' half ( $\mathrm{S}^{1 / 2}$ Jf Sections 13, Township 51 South, Range 40 East.

## BASIN S-3 CONSISTS OF:

a) All of Sections 21, 22, 23, 26 and 27, Township 51 South, Range 40 East. Together with
b) The South one-half ( $\mathrm{S}^{1 / 2}$ ) of Sections 14, 15, 16 and 17, Township 51 South, Range 40 East. Together with
c) The North one-half ( $\mathrm{N}^{1 / 2}$ ) of Section 34, Township 51 South, Range 40 East. Together with
d) All of Sections 28 and 33, Township 51 South, Range 40 East lying east of the centerline of Interstate Highway I-75. Together with
e) The East one-half ( $\mathrm{Er} 1 / 2$ ) and Northwest one-quarter ( $\mathrm{NW} \quad 1 / 4$ ) of Section 20, Township 51 South, Range 40 East less a portion of the East one-half ( $\mathrm{E}^{1 / 2}$ ) of said Section 20 described as follows:

Beginning at the Southwest corner of the Southeast one-quarter (SE $1 / 4$ ) of said Section 20 , thence $N 01^{\circ} 46^{\prime} 04^{\prime \prime}$ W, a distance of $475.47^{\prime}$, thence $\mathrm{N} 89^{\circ}$ 39' 07" W, a distance of 663.63', thence S $01^{\circ} 45^{\prime} 54^{\prime \prime} \mathrm{W}$, a distance of 475.31', thence $\mathrm{S} 89^{\circ} 38^{\prime} 20^{\prime \prime} \mathrm{W}$, a distance of $663.61^{\prime}$ to the point of beginning.

## BASIN S-4 CONSISTS OF:

a) All of Sections 29 and 32, Township 51 South, Range 40 East. Together with
b) The Southwest one-quarter (SW $1 / 4$ ) of Section 20, Township 51 South, Range 40 East. Together with
c) All of Sections 28 and 33, Township 51 South. nge 40 East, lying west of the centerline of Interstate Highway I-75. Togethe. with
d) A portion of the Southeast one-quarter (SF/4) of Sectı , 20, Township 51 South, Range 40 East described as follows:

Beginning at the Southwest corner the Southeast one-quarter (SE $1 / 4$ ) of said Section 20, thence N - ^1弓' 04" , a distance of 475.47', thence N $89^{\circ}$ 39' 07" W, a distance of t ³.6 hence $\mathrm{S} 01^{\circ} 45^{\prime} 54^{\prime \prime} \mathrm{W}$, a distance of 475.31', thence $\mathrm{S} 8 \mathrm{a}^{\circ} 38^{\prime}$. ${ }^{\prime \prime} \mathrm{W}$, a distance of 663.61' to the point of beginning.

## BASIN S-5 CONS. TS OF:

a) All of Sections 19, ` und 31, Township 51 South, Range 40 East. Together with
b) The South one-half ( $\mathrm{S}^{1 / 2}$ ) of Section 18, Township 51 South, Range 40 East. Together with
c) All of Sections 23, 24, 25, 26, 35 and 36, Township 51 South, Range 39 East. Together with
d) The South one-half ( $\mathrm{S}^{1 / 2}$ ) of Sections 13 and 14, Township 51 South, Range 39 East. Together with
e) The Southeast one-quarter (SE $1 / 4$ ) of Section 15, Township 51 South, Range 39 East. Together with
f) The East one-half ( $\mathrm{E}^{1 / 2}$ ) of Sections 22, 27 and 34, Township t1 South, Range 39 East.

## BASIN S-6 CONSISTS OF:

a) The Southwest one-quarter (SW $1 / 4$ ) of Section 15, Township 51 South, Range 39 East. Together with
b) The West one-half ( $\mathrm{W}^{1 ⁄ 2}$ ) of Sections 22, 27 and 34, Township 51 South, Range 39 East.

## BASIN S-7 CONSISTS OF:

a) All of Sections 7 and 8, Township 51 South, Range 41 East. Together with
b) The North one-half ( $\mathrm{N}^{1 / 2}$ ) of Sections 17 and 18, Township 51 South, Range 41 East. Together with
c) All of Section 12, Township 51 South, Range 40 ast. Together with the North one-half ( $\mathrm{N}^{1 / 2}$ ) of Section 13, Township 51 Sout $^{1}$, nge 40 East.

## BASIN S-8 CONSISTS OF:

a) All of Sections 4, 5, 6 and 8, Towns ip , Suath, Range 40 East. Together with
b) The North one-half ( $\mathrm{N}^{1 /}$, us ectio s 16 and 17, Township 51 South, Range 40 East. Together with
c) All of Section 9, Towns : o . Nu Range 40 East, lying west of the centerline of Interstate Highw ${ }^{-}$- 75. 'gether with
d) All of the Nor one- ${ }^{\prime}$ ' ( N ' ) of Section 15, Township 51 South, Range 40 East lying west or 'e centerh e of Interstate Highway I-75. Together with
e) All of Sections - 32 an 33, Township 50 South, Range 40 East. Together with
f) All of Sections 2 $\mathbf{~ , ~} 90$ and 30, Township 50 South, Range 40 East lying south of the South Florida Water Management District South New River Canal (Canal C11). Together with
g) The East 990 feet of Section 25, Township 50 South, Range 39 East lying south of the South Florida Water Management District South New River Canal (Canal C11). Together with
h) The East 990 feet of the Northeast one-quarter (NE $1 / 4$ ) of Section 36, Township 50 South, Range 39 East. Together with
i) The East 660 feet of the Southeast one-quarter ( $\mathrm{SE}^{1 / 4}$ ) of Section 36, Township 50 South, Range 39 East. Together with
j) The West 330 feet of the East 990 feet of the North 330 feet of the Southeast onequarter (SE $1 / 4$ ) of Section 36, Township 50 South, Range 39 East. Together with
k) The East 660 feet of Section 1, Township 50 South, Range 39 East.

## BASIN S-9 CONSISTS OF:

a) All of Section 7, Township 51 South, Range 40 East. Together with
b) The North one-half ( $\mathrm{N}^{1 / 2}$ ) of Section 18, Township 51 South, Range 40 East. Together with
c) All of Section 1, Township 51 South, Range 39 East, less the east 660 feet thereof. Together with
d) The North one-half ( $\mathrm{N}_{1 / 2}$ ) of Section 12, Township 51 South, Range 39 East. Together with
e) All of Section 25, Township 50 South, Range 39 East lying south of the South Florida Water Management District South New River Canal (Canal C-11), less the east 990 feet thereof. Together with
f) All of Section 36, Township 50 South, Range 39 East less the east 990 feet of the Northeast one-quarter ( $\mathrm{NE} 1 / 4$ ) of said Section 36 and also less the east 660 feet of the Southeast one-quarter (SE $1 / 4$ ) of said Sectior $\jmath 6$ and also less the west 330 feet of the east 990 feet of the north 330 feet of . Southeast one-quarter (SE $1 / 4$ ) of said Section 36.

## BASIN S-10 CONSISTS OF:

a) All of Sections 2 and 11, , whip t South, Range 39 East. Together with
b) The East one-half ( $\mathrm{E}^{1 /}$, of Ser ons 3 'nd 10, Township 51 South, Range 39 East. Together with
c) The South one-hnif (S ; 1 of Section 12, Township 51 South, Range 39 East. Together with
d) The North c ${ }^{\text {h-half ( }}$ (, ) of Sections 13 and 14, Township 51 South, Range 39 East. Togethe ${ }_{1}$ rith
e) The Northeast or qu ter (NE $1 / 4$ ) of Section 15, Township 51 South, Range 39 East. Together with
f) All of Section 35, Township 51 South, Range 39 East. Together with
g) The East one-half (E $1 / 2$ ) of Section 34, Township 50 South, Range 39 East. Together with
h) All of Section 26, Township 51 South, Range 39 East lying south of the South Florida Water Management District South New River Canal (Canal C-11). Together with
i) All of the East one-half ( $\mathrm{E}^{1 ⁄ 2}$ ) of Section 27, Township 50 South, Range 39 East lying south of the South Florida Water Management District South New River Canal (Canal C-11).
a) The West one-half ( $\mathrm{W}^{1 / 2}$ ) of Section 3 and 10, Township 51 South, Range 39 East. Together with
b) The Northwest one-quarter (NW $1 / 4$ ) of Section 15, Township 51 South, Range 39 East. Together with
c) The West one-half (W $1 / 2$ ) of Section 34, Township 50 South, Range 39 East. Together with
d) All of West one-half ( $\mathrm{W}^{1 / 2}$ ) of Section 27, Township 50 South, Range 39 East lying south of the South Florida Water Management District South New River Canal (Canal C-11).

## BASIN S-12 CONSISTS OF:

a) All of Sections 10 and 11, Township 51 South, Rangt 9 East. Together with
b) The South one-half ( $\mathrm{S}^{1 / 2}$ ) of Section $34, \mathrm{~T}^{\prime}$, nship 51 Sc th, Range 40 East.

## BASIN S-13 CONSISTS OF:

a) All of Sections 10 and $1^{11}$ 'ou ship 1 South, Range 40 East. Together with
b) The North one-half $(1 / 2)$ r Sectio 14 , Township 51 South, Range 40 East. Together with
c) All of Section 9 ship 1 South, Range 40 East lying east of the centerline of Interstate Hir way I-7. Tos her with
d) All of the No, ' one-halı $\mathrm{N}^{1 / 2}$ ) of Section 15, Township 51 South, Range 40 East lying east of the ${ }^{-n t e r l}{ }^{i}$ e of Interstate Highway I-75.

Said lands situate, lying and being in Broward County, Florida
189.415 SPECIAL DISTRICT LEGISLATIVE ACT
(1) It is declared to be the policy of this State to foster coordination between Special Districts and local general-purpose governments as those local general-purpose governments develop comprehensive plans under the Local Government Comprehensive Planning and Land Development Regulation Act, pursuant to part II of Chapter 163.
(2) Each independent Special District shall submit to each local general-purpose government in which it is located a public facilities report, and an annual notice of any changes. The public facilities report shall specify the following information:
(a) A description of existing public facilities owr d or operated by the Special District, and each public facility that is of ated by another entity, except a local general-purpose government, thro oh a ease or other agreement with Special District. This description st 1 include he current capacity of the facility, the current demands $\mathfrak{f}^{\prime}$.ced upon it, nd its location. This information shall be required in ${ }^{\circ}{ }^{\circ} \mathrm{inj}^{+} \mu$ report and updated every 5 years at least 12 months prior to the $=$ mission date of the evaluation and appraisal report of the nnropria local government required by s.163.3191. At least 12 n inth. in to the date on which each Special District's first updated rep + s due, the department shall notify each independent Dis ${ }^{+}$.ct 1 the official list of Special Districts compiled pursuant to s $39.400^{\circ}$, of the schedule for submission of the evaluation
 jurisdictir
(b) A desr ption or ach ublic facility the District is building, improving, or expan. ng , or is ( rrently proposing to build, improve, or expand within at least the oxt 5 - ars, including any facilities that the District is assisting another er 4 except a local general-purpose government, to build, improve, or expand through a lease or other agreement with the District. For each public facility identified, the report shall describe how the District currently proposes to finance the facility.
(c) If the Special District currently proposes to replace any facilities identified in paragraph (a) or paragraph (b) within the next 10 years, the date when such facility will be replaced.
(d) The anticipated time the construction, improvement, or expansion of each facility will be completed.
(e) The anticipated capacity of and demands on each public facility when completed. In the case of an improvement or expansion of a public facility, both the existing and anticipated capacity must be listed.
(3) A Special District proposing to build, improve, or expand a public facility which requires a certificate of need pursuant to chapter 408 shall elect to notify the appropriate local general-purpose government of its plans either in its 5 -year plan or at the time the letter of intent is filed with the Department of Health and Rehabilitative ${ }^{1}$ Services pursuant to s.408.039.
(4) Those Special Districts building, improving, or expanding public facilities addressed by a development order issued to the developer pursuant to s .380 .06 may use the most recent annual report required by $\mathrm{s} .380 .06(15)$ and (18) and submitted by the developer, to the extent the annual report provides the information required by subsection (2).
(5) The facilities report shall be prepared and submitted within 1 year after the District's creation.
(6) For purposes of the preparation or revision of cal government comprehensive plans required pursuant to s.163.3161, a Special D; .rici 〕blic facilities report may be used and relied upon by the local general-purpe governı. nt or governments within which the Special District is located.
(7) Any Special District that has completed : construction of its public facilities, improvements to its facilities, or its ( ${ }^{1}$ noment not required to submit a public facilities report, but must submit the inf maı -equıred by paragraph (2)(a).
(8) A Special District plan $r$ recı natic required pursuant to general law or special act, including but not lim: d to, a plan repared pursuant to Chapter 298 which complies with the requireme. s \& subsution (2), shall satisfy the requirement for a public facilities repor ${ }^{+}$vate management and control plan adopted pursuant to s.190.013, which mplies ith 're requirements of subsection (2), satisfies the requirement for a p. lic faciliti ; report for the facilities the plan addresses.
(9) The Reedy Creek arovement District is not required to provide the public facilities report as specified in subsection (2).
(10) Each deepwater port listed in s.403.021(9)(b) shall satisfy the requirements of subsection (2) by submitting to the appropriate local government a comprehensive master plan as required by $\mathrm{s} .163 .3178(2)(\mathrm{k})$. All other ports shall submit a public facilities report as required in subsection (2).

1 The Department of Health and Rehabilitation Services was redesignated as the Department of Children and Family Services by laws 1996, c.96-403, §5, and the Department of Health was created by laws 1996, c.96-403, §8.
Added by laws 1989, c.89-169, §20, eff. October 1, 1989. Amended by laws 1995, c.9529, §26, eff. July 10, 1995: laws 1997, c.97-255, §16, eff. October 1, 1997.

## APPENDIX

## SOUTH BROWARD DRAINAGE DISTRICT

## FACILITIES REPORT




MARCH 2013


[^0]:    $\sim \sim$ SFWMD Canal
    －SBDD Pump Station
    —— Proposed Features
    $\sum$ Water Bodies

