

# CONTRIBUTING TO A GREATER COMMUNITY

IRVING FLOOD CONTROL DISTRICT SECTION III

2021-2022 Annual Report





# Letter From the President

**FLOOD CONTROL IS OUR FOCUS.** It's been that way since our founding, 40 years ago. However, we also know that Irving Flood Control District Section III (IFCD 3) is just one piece of the puzzle when it comes to maintaining a high quality of life in our District. This area has experienced immense growth over the past four decades, thanks to the dedication of fellow organizations, business owners and residents, all of whom make unique contributions to keep our community safe and approachable for generations to come.



These contributions to society often come in the form of volunteering, hosting events, leading others and educating youth. This past year, the team at IFCD 3 was a part of numerous activities that enabled Valley Ranch's sense of community to shine above all.

In the 2021-2022 year, IFCD 3 interacted with local organizations and residents through a variety of events. We completed the fourth year of our annual elementary school partnership where we were able to

briefly see the world through a second-grader's eyes and cherish their genuine love and adoration for their hometown. We also began what we believe will be a new tradition of attending and participating in Keep Irving Beautiful's Annual Trash Bash, where we witnessed residents coming together to clean up walking trails by collecting hundreds of pounds of trash and recyclables.

Throughout the balance of this report, we'll walk you through additional ways that the IFCD 3 team has contributed to Valley Ranch's strong sense of community during the past year. But before we move to the rest of the report, we'll take a moment to thank you -- the residents, board members, employees, regional leaders and volunteers -- who routinely commit time and energy to the betterment of our community.

**THIS PAST YEAR, THE TEAM AT IFCD 3 PARTOOK IN NUMEROUS ACTIVITIES THAT ENABLED VALLEY RANCH'S SENSE OF COMMUNITY TO SHINE ABOVE ALL.**

As always, the members of the IFCD 3 board and our team of flood control professionals are honored to serve you, controlling nearby flood waters and preserving the quality of life for all of us here in Valley Ranch.

Sincerely,

Chris J. Calvery  
President  
Irving Flood Control District Section III

# The Team Behind the Scenes

AS WE CONTINUE TO HIGHLIGHT THE BEST OF VALLEY RANCH, it's important to acknowledge the hard work of numerous people behind the scenes at Dallas County Utility and Reclamation District, the organization with which IFCD 3 has an inter-local agreement to operate and maintain the District's facilities that make flood control possible.

While the pump station, levee and various canals throughout our community may be the most visible portions of IFCD 3, the personnel working within our facilities and throughout the field are truly our best line of defense against flooding. From machinery operators to field staff, project managers to inspectors and the many other experts we're able to utilize as needed, each role contributes to the success of our flood control system. We're able to protect you, the residents, from severe flooding thanks to the collective work of everyone here at IFCD 3.



*Tim Benefiel, Operations Manager,  
Bill Elmore, Projects Manager,  
not pictured: Salvador Ramirez,  
Operations Supervisor*

FROM MACHINERY OPERATORS TO FIELD STAFF, PROJECT MANAGERS TO INSPECTORS AND THE MANY OTHER EXPERTS WE'RE ABLE TO UTILIZE AS NEEDED, EACH ROLE CONTRIBUTES TO THE SUCCESS OF OUR FLOOD CONTROL SYSTEM.

It takes a lot of hard work, expertise and dedication to deliver quality on a routine basis. We greatly appreciate the team's ability to adapt to new technology, machinery and processes as we have evolved over the past 40 years. On this page, you'll see a photo of some of our long-standing teammates that work to provide flood control to Valley Ranch.





# Serving Valley Ranch

**BEFORE OUR NEIGHBORHOODS WERE FILLED WITH HOUSING DEVELOPMENTS,** office buildings, schools and retail spaces, this land was a flood plain, due to its proximity to the Elm Fork of the Trinity River. To address the potential danger that flooding could cause in the area, the Texas State Legislature approved the establishment of IFCD 3, to ensure that the region would be protected from severe flooding from the Trinity River.

Since Valley Ranch's conception, IFCD 3 has prioritized community stewardship. Our goal is always to preserve our residents' quality of life by providing consistent and effective flood control. As the population of Irving has grown, so have our flood control facilities. Through the creation and maintenance of ponds, canals and the pump station, our facilities continue to protect residents from potentially high levels of rain and increasing levels of the Trinity River.

Not only do we maintain District waterways and our pump station, but we also collaborate with other local organizations as part of our ongoing effort to better serve the Valley Ranch region. We have a tradition of working with local elementary schools during the portion of their curriculum dedicated to weather, where we're able to go onsite and present to second graders about flood control. At the end of their weather unit, our team revisits campus to participate in judging the students' flood control models, made of clay, straws and other home and office supplies.

More recently, we had the opportunity to attend Keep Irving Beautiful's Annual Trash Bash, where we helped fellow Valley Ranch residents clean up trash and recyclables found along the edge of our waterways.



Maintaining our District is a group effort. While we focus on flood control and prevention, we also do what we can to be good stewards and deliver value in other ways.

We rely on residents and partner organizations to complete these community efforts. Every contribution makes a difference, from picking up trash to flagging areas in need of maintenance. Your awareness and contributions don't go unnoticed!

# Key Project Updates

The overall goal of IFCD 3 is to maintain proper flood control operations while reducing the risk to property and life for local residents and business owners. Despite supply chain delays, IFCD 3 and one of our engineering teammates, Halff Associates, continue to work diligently to move the following projects forward in a timely manner.



## Discharge Pipe and Rehab Inspection

Earlier in the fiscal year, our team conducted routine inspections that led to the identification of deterioration of a portion of the pump station discharge pipe. We've worked with Halff to move forward with rehabilitating the discharge pipe.



## Sluice Gate Replacement

Due to a combination of natural wear and tear during nearly 40 years of operation, along with the damage from heavy debris, the sluice gates have reached the end of their useful life. After extensive research, our team selected a new gate that's lighter weight and more durable than the existing gate. The new gate will require less energy to lift, resulting in less wear on the lifting motors and lower electricity expenses for the pump station.



## Tilting Weir Installation

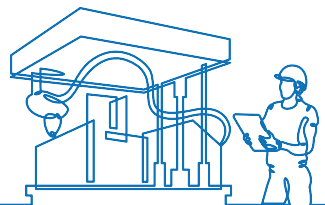
A new tilting weir will provide another means of controlling water levels in our system, helping reduce the use of electric pumps before, during and after storms, decreasing the amount of electricity used and further extending the life of the pumps. After researching and designing a tilting weir last fiscal year, IFCD 3 is currently in the process of getting bids for the installation of a tilting weir.





## Pump Refurbishing

Due to the diligence of the Board and DCURD management, the District began a project that has not been done in the 30+ years of the District's existence. IFCD 3 has started to rebuild each of the six pumps to reduce energy costs, increase efficiency and maintain the life of the pump unit as a whole. Maintenance of the first pump replacement was completed in 2021. Completion of the refurbishment of all six pumps will be completed, one at a time, by the end of the 2022-2023 fiscal year. This project will set the District on a more efficient path for the future.



# News Briefs

## The IFCD 3 Board

IFCD 3 is governed by a five-member board, appointed by the Irving City Council. The District board is made up of residents of Valley Ranch that have an interest in flood control and sought to volunteer and lead others. During the 2021-2022 fiscal year, we welcomed a new member to our board. Shrinivas (Shree) Asanare now serves as a director for the IFCD 3 board. To learn more about Shree and the other board members, read our new Waterways blog series, “Meet the IFCD 3 Board,” by visiting [www.ifcd3.org/waterways](http://www.ifcd3.org/waterways).

## Wild Hogs

Wild hogs like to live near water, so it's understandable that they frequent the Elm Fork of the Trinity River. However, these large, destructive animals sometimes venture away from the Elm Fork with the potential of wreaking havoc on IFCD 3 equipment and water systems throughout local neighborhoods. We're continuing to collaborate with experts to safely and humanely remove the hogs from Valley Ranch.

## Canoe Canal

IFCD 3 successfully repaired an upper section of stone cladding along the west wall of Canoe Canal, damaged from natural erosion. No damage was observed to the base of the wall during the process and the surrounding area also received installation of new grass.

## Scoop

It's been some time since we discussed WasteShark, a robotic device that 'swims' along the surface of our waterways to efficiently collect trash and return it to a central location for final disposal. Initial testing of WasteShark, which we've named 'Scoop,' identified several issues with integrating this European device into the somewhat different North American GPS standard. The IFCD 3 team worked with Scoop's manufacturer to get a replacement unit, which is now in its final testing stages throughout our waterways. Thanks to new hardware, software and programming – paid for by the manufacturer – Scoop will be one of the first WasteShark devices to deploy in the U.S. Scoop is expected to officially begin full-time duty on the IFCD 3 waterways as a trash clean-up system in 2023.







## Connect With Us

The IFCD 3 Board hosts monthly in-person meetings. Our meetings continue to take place one Monday per month at 6:30 pm. Each meeting's location will be announced ahead of time on our Facebook (@IrvingFloodControl) and Twitter pages (@IFCD3).

If you see an issue that needs immediate attention, such as a problem in a pond or canal, call 972.556.0625. If the situation is an emergency, please dial 911 and report the information to the City of Irving public safety officials.



# Financials

Total revenues of the District increased by 4.0% in fiscal year 2022 due to the increase in the tax revenue, the result of the increase in the appraised values and greater interest income due to greater investment balances and interest rates.

Total government-wide expenses of the District increased by 11.68% in fiscal year 2022, due mainly to the increase in maintenance expenses.

## 2021-2022 TAX RATE

The approved tax rate for FY2021-2022 remained the same as FY 2020-2021 at a rate of \$.1236 per \$100 valuation. This annual tax funds operation, preventative maintenance and inspection, and facilities repair.

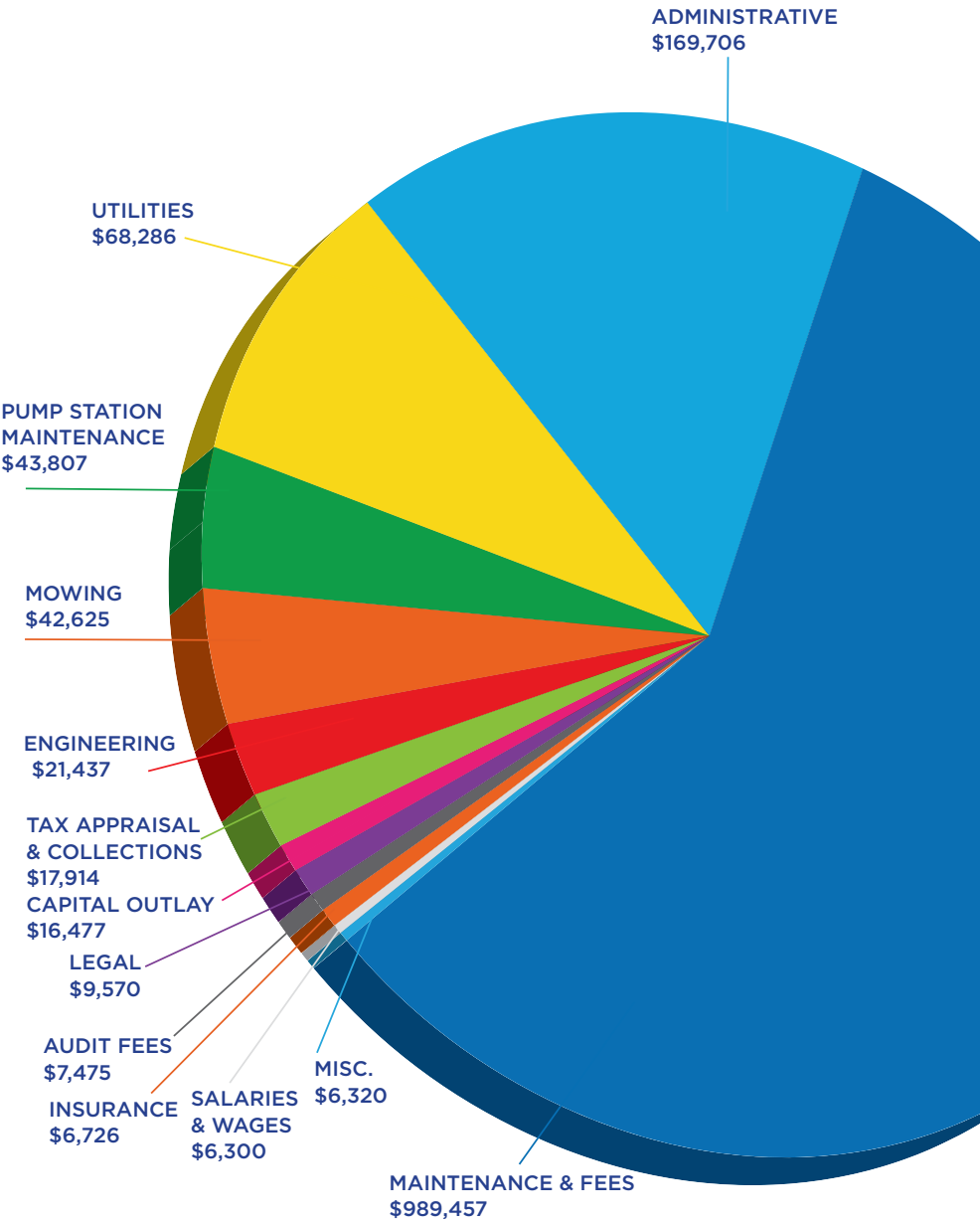
## TOTAL REVENUE

**\$2,988,785**



# TOTAL EXPENDITURES

## \$1,406,100





**IRVING FLOOD CONTROL DISTRICT  
SECTION III  
850 E. LAS COLINAS BLVD.  
IRVING, TEXAS 75039**

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