



# Standard Agenda Item Cover Sheet

Agenda Item N<sup>o</sup>. \_\_\_\_\_

Meeting Date: February 10, 2026

Consent Section       Regular Section       Public Hearing

Requires Chair Signature?  Yes     No      Includes a Technology Component?  Yes     No

Subject: Mosaic’s Big Four Mine DRI #80 2024/2025 Annual Report			
Department Name: Environmental Services Division			
Contact Person: Kim Cruz		Contact Phone: (813) 276-8370	
Sign-Off Approvals:			
<i>George B. Cassady</i>	<u>01/22/2026</u>	<i>Kevin Moran</i>	<u>1/15/2026</u>
<small>Assistant County Administrator</small>	<small>Date</small>	<small>Department Director</small>	<small>Date</small>
N/A		<i>Nancy Takemori</i>	<u>1/2/2026</u>
<small>Management and Budget – Approved as to Financial Impact Accuracy</small>	<small>Date</small>	<small>County Attorney – Approved as to Legal Sufficiency</small>	<small>Date</small>

**Staff's Recommended Board Motion:**  
 Acceptance of the Big Four Mine DRI #80 2024/2025 Annual Report for informational purposes. This phosphate mining and reclamation report provides a general review of mining operations, reclamation during the preceding reporting year and identifying expected activity for the subsequent reporting year.

**Financial Impact Statement:**  
 No County funds are required for this item.

**Background:**  
 Pursuant to Land Development Code (LDC) Section 8.02.09 of the Hillsborough County Land Development Code, a phosphate mining permittee is required to submit an Annual Report of Operations containing a general review of mining operations and reclamation during the preceding reporting year and identifying expected activity for the subsequent reporting year.

- List Attachments:**
- Hillsborough County Staff Review Report
  - Attachment 1: Agency Comments
  - Attachment 2: Mosaic’s Big Four Mine DRI #80 2024/2025 Annual Report



**Hillsborough  
County Florida**

**A Report Presented to the  
Board of County Commissioners  
on February 10, 2026 from  
Public Utilities Department  
Environmental Services Division  
regarding  
Big Four Mine DRI #80  
2024/2025 Annual Report  
Application No.: PMAR 25-1185  
Phosphate Reference No.: 725.02P**

## **Staff Review of the Big Four Mine DRI #80**

### **2024/2025 Annual Report**

#### **Annual Review of Development Order Compliance Assessment**

The Big Four Mine Development of Regional Impact (DRI) #80 was approved by the Hillsborough County Board of County Commissioners on April 14, 1982. The development encompasses 5,940 acres and is located in southeastern Hillsborough County, extending 5 miles north of CR 674 and 2 miles west of the Polk-Hillsborough County Line. The project was approved for Phosphate Mining. The project's build out date was May 4, 2011.

Pursuant to the Land Development Code (LDC) Section 8.02.09, the phosphate mining permittee is required to submit an Annual Report of Operations containing a general review of mining operations and reclamation during the preceding reporting year and identify expected activities for the subsequent reporting year.

#### **Agency Comments**

The 2024/2025 Annual Report of Operations (Attachment 2) submitted for the Big Four Mine project has been reviewed by the County and other applicable agencies for compliance with the terms and conditions of the Development Order, Operating Permit, and approved plans. Review by Agencies (Attachment 1) did not generate any adverse comments.

All stormwater runoff from the active mine area was collected and released only through Florida Department of Environmental Protection (DEP) National Pollution Discharge Elimination Discharge System (NPDES) permitted outfall locations during mining activities. Mosaic reported that mining is complete, and Mosaic has no plans to mine additional land at the Big Four Mine. The Big Four Outfall D-001 (KFD-D-007) was officially abandoned and removed from the DEP permit effective October 1, 2013. Kingsford NPDES Permit No. FL0000256 issued by DEP was inactivated in March 2017.

Approval by the Administrator and/or the Board of County Commissioners does not relieve the applicant from the responsibility to comply with any applicable federal, state, and other local laws, regulations, and ordinances.

During the 2024/2025 reporting year, the following development was reported within the Big Four Mine areas subject to DRI #80:

#### **Project Status**

The developer of record is Mosaic Fertilizer, LLC, (Mosaic). The authorized agent is Russell T. Schweiss. The Development Order and Operating Permit have been amended four times. Mosaic reports that the total area mined through completion (June 30, 2007) is 4,166 acres of the 6,016.6 acres of the total DRI site and Mosaic has no plans to mine additional land during the 2025/2026 monitoring period.

### **Mining Operations**

At this time, Mosaic indicated that there is no mining in Big Four Mine. Phosphate mining was completed in the Big Four Mine during the 2007/2008 report year. Mosaic reports that all mine cut contouring and re-vegetation for the Big Four Mine has been completed.

### **Clay Storage**

Mosaic did not report any changes to the total volume of the clay settling ponds BF-1, BF-2, BF-3, and BF-4.

### **Reclamation**

Supplemental planting, monitoring and nuisance maintenance continued during the 2024/2025 reporting period.

Since 1982, Mosaic and its predecessors, Mosaic Phosphates Company and IMC Phosphates Company have requested and obtained written reclamation release letters from the Florida Department of Environmental Protection (FDEP) for certain FDEP Logical Reclamation Units (LRU) in the Big Four Mine.

Per the 2024/2025 Annual Report, Mosaic did not request reclamation releases from Hillsborough County EVSD. A release request for 54.7 acres was submitted to Hillsborough County on March 8, 2021. Upon further review, Hillsborough County staff requested additional information.

Hillsborough County and Mosaic are working to clarify the locations and amount of acreage identified in the 2024/2025 annual report as released by Hillsborough County and will continue outside of the 2024/2025 annual report staff review. Future annual reports shall be updated to account for the areas verified.

### **Annual Financial Responsibility**

The 2024/2025 comprehensive (Hillsborough Consolidated Mines, Big Four Mine, and Hopewell Mine) Financial Responsibility Agreement was reviewed and negotiated with the Office of Management and Budget, Hillsborough County Financial and Debt Analysis Department and was approved by the Board of County Commissioners on February 11, 2025.

The proposed 2025/2026 comprehensive Financial Responsibility Agreement includes the following: (1) a Reclamation Surety Bond equal or greater than \$93,198,078 (2) an Environmental Liability Insurance Policy in the minimum amount of \$43,000,000, and (3) a Corporate Guarantee from the Mosaic Company of Delaware in the amount of \$13,214,644 to cover EPC wetland mitigation constructed but not yet released at \$7,460 per acre. The total amount of \$149,412,722 reported is based on the current level of the Reclamation Bond and Corporate Guarantee, plus the Environmental Liability Insurance Policy. The current Environmental Insurance Policy is valid through 10/22/2025 and is renewed annually.

### **Projected Development:**

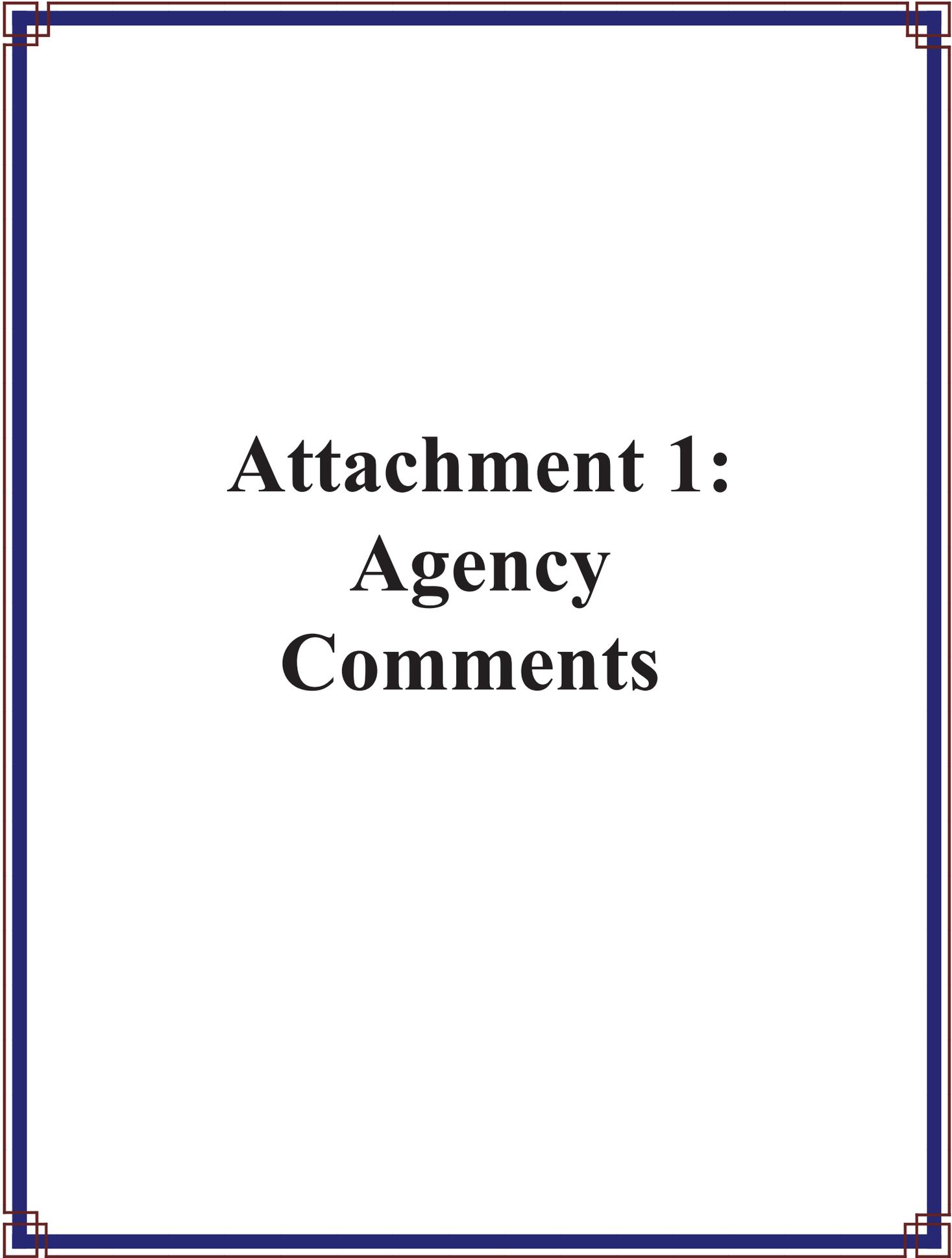
At this time, Mosaic indicated that there is no mining in Big Four Mine DRI-80, and no additional mining is expected during the 2025/2026 monitoring period.

Activities expected during the reporting period of 2025/2026 include monitoring and maintenance of the reclamation in establishment for all areas as required by the County, Hillsborough County Environmental Protection Commission (HCEPC), and Army Corp of Engineers (ACOE). Routine maintenance and supplemental plantings will continue during the 2025/2026 reporting period.

### **Project History**

1. On May 19, 1976, the Hillsborough County Board of County Commissioners (BOCC) approved and issued Development Order No. 75-13-DRI (the "DRI"), Mine Operating Permit No. 75-MINE-3 (the "Operating Permit"), and Rezoning Petition No. 75-189 (the "Zoning") for the Big Four Mine to the Smith-Douglas Division of Borden Chemical, Borden, Inc. The DRI, Operating Permit and Zoning approvals authorized mining and mining related activities at the Big Four Mine.
2. On July 16, 1980, the BOCC adopted Resolution No. 80-554 which transferred the DRI and the Operating Permit from Borden to AMAX Chemical Corporation (AMAX).
3. On April 14, 1982, the BOCC adopted Resolution No.82-315, amending the DO to include approximately 200 additional acres.
4. On January 28, 1987, the BOCC adopted Resolution No. R87-0024, which transferred the DRI and Operating Permit, as amended, from AMAX to Mobil, with Mobil Corporation and Mobil Oil Corporation jointly providing a Corporate Guarantee to the BOCC to cover financial responsibility of the Big Four Mine.
5. On September 23, 1992, the BOCC determined that certain amendments were not a substantial deviation and adopted Resolutions No. R92-0243 and No. R92-0244; amending the Development Order 75-13-DRI and Operating Permit 75-Mine-3 respectively.
6. On October 8, 1996, the BOCC adopted Resolution No. 96-256, which among other things, approved and recognized IMC Agrico as the owner and developer of the Big Four Mine with all the rights and responsibility under the DRI, but maintained that all financial responsibility requirements for the Big Four Mine shall remain the responsibility of Mobil Corporation and Mobil Oil Corporation, until the transfer of the Operating Permit for the Big Four Mine.
7. On May 22, 2001, the BOCC adopted Resolution No. R01-104, which transferred the Development Order and Operating Permit from Exxon/Mobil (formerly known as Mobil Corporation) to IMC Phosphates Company (formerly known as IMC Agrico), with IMC Phosphates Company providing an acceptable financial security agreement, and absolving Mobil of all financial responsibility for the Big Four Mine.
8. On May 22, 2001, the BOCC adopted Resolution No. R01-089, which extended the life of the Development Order to May 4, 2008, and provided that this effective period may be extended by the BOCC upon a finding of excusable delay in any proposed development activity.
9. On October 25, 2004, IMC Phosphates Company merged with Cargill Crop Nutrition and was renamed Mosaic Phosphates Company.
10. On July 29, 2005, Mosaic Phosphates Company merged with and into Mosaic Fertilizer, LLC.

11. On October 21, 2008, the BOCC adopted Resolution No. R08-173, which extended the life of the Development Order (DO) from May 4, 2008, to May 4, 2011, an extension of 3 years to correspond with the Florida Statue 380.06(19)(c) authorizing the build out / completion date. A previous amendment in 1992, application #392.10P, extended the DO from May 19, 1996 to May 4, 2001, an extension of four years, 11 months, and 15 days. A second previous amendment in 2000, application #1200.14P, extended the DO from May 4, 2001 to May 4, 2008, an additional extension of seven years.



**Attachment 1:  
Agency  
Comments**

2024-2025 Big Four DRI 80 Annual Report  
 Applicant Name: Mosaic Fertilizer, LLC  
 HC Contact Name: Kim Cruz  
 HC Contact Phone No.: 833-776-8370  
 HC Contact Email: [KIMC@hillsboroughcountynv.gov](mailto:KIMC@hillsboroughcountynv.gov)  
 Submit Date: 7/23/2025  
 Submit Date:

Comment No.	Reviewer	Organization/Discipline	Document	Page-Sheet No.	Initial Comment/Request for Info	For Reviewers Use Only		For Applicants Use Only		For Reviewers Use Only	
						Comment Date	Response Accepted	Response Date	Applicant Response	Response Accepted	Response Date
2	Diego Guerra	HC Planning Commission	Big Four DRI 80 AR		The applicant has not provided the information requested.		No Comments		No Comments		
3	Cassy Beavers	FBP Bur of Mines	Big Four DRI 80 AR		FBP--mining and mitigation program has no comments.		No Comments		No Comments		
4	David Gricksberg	EVSD	Big Four DRI 80 AR		No comments		No Comments		No Comments		
5	Sara Gonzalez	EPC	Big Four DRI 80 AR		The EPC Wetlands, Waste and Air Divisions have no comments		No Comments		No Comments		
6	Kim Cruz	EVSD	Big Four DRI 80 AR	General Comment	Hillsborough County EVSD and Mosaic continue to coordinate with regards to areas needing maintenance, fixing areas that need repair, supplemental planting, and mitigation of invasive species.	10/22/2025	Acknowledged			10/30/2025	Yes
7	Kim Cruz	EVSD	Big Four DRI 80 AR	General Comment	Reclamation shall be in accordance with the Hillsborough County BOCC approved post-mining reclamation plan. The reclamation plan and mitigation applications shall be submitted for changes to be reviewed for approval.	10/22/2025	Acknowledged			10/29/2025	Yes

**Attachment 2:  
Big four Mine  
DRI#80  
2024-2025  
Annual Report**



The Mosaic Company  
Big Four Mine – DRI #80

2024-2025 Annual Report

July 21, 2025



The Mosaic Company  
101 East Kennedy Blvd.  
Suite 2500  
Tampa, FL 33602  
[www.mosaicco.com](http://www.mosaicco.com)

Tel 813-775-4200  
Toll Free 800-918-8270

July 21, 2025

Ms. Kim Cruz  
Environmental Supervisor  
Hillsborough County Environmental Services  
332 N. Falkenburg Road  
Tampa, Florida 33619

**Re: *Mosaic Fertilizer, LLC (Mosaic) 2024/2025 Hillsborough County  
Big Four Mine Annual Report; DRI #80***

Dear Ms. Cruz:

Pursuant to Sections 8.02.09 and 8.02.10B. of the Hillsborough County Land Development Code, Mosaic is filing 1 copy of its 2024/2025 Annual Report of Operations for the Big Four (DRI #80).

The required annual report filing, and review fees will be paid to Hillsborough County Board of Commissioners. In addition, the latest available financial statements and information can be downloaded or viewed at [www.mosaicco.com](http://www.mosaicco.com) under the category of Investors, sub-category Financial Information.

Please contact me at [Laney.McGraw@mosaicco.com](mailto:Laney.McGraw@mosaicco.com) or (863) 267-4585 if you have any questions or require additional information regarding this submittal.

Sincerely,

The Mosaic Company  
Laney McGraw  
Mine Permitting Specialist

Cc: See exhibit F

## INDEX

### **THE MOSAIC COMPANY BIG FOUR MINE 2024/2025 ANNUAL REPORT**

1. DRI Annual Report
  - Exhibit F – Distribution List
  - Exhibit G – Summary Status of Development Order Conditions
2. Hillsborough County Annual Report of Operations & Financial Responsibility
3. Maps
  - Map 1 – Previous and Proposed Mining
  - Map 2 – Reclamation Programs and Hillsborough County Mining Unit (MU) Boundaries
  - Map 3 – Clay Settling Areas
  - Map 4 – Aerial Photograph
  - Map 5 – FDEP Reclamation Status and EPC Mitigation Status
  - Map 6 – Hillsborough County Approved Reclamation Releases
4. Environmental Monitoring Data
5. Reclamation Release Status

SECTION 1  
DRI ANNUAL REPORT  
EXHIBITS F & G

**DRI Annual Reporting Period:** July 1, 2024 to June 30, 2025

**Development:** DRI #80 – Big Four Mine

**Location:** NA Hillsborough  
**City** **County**

**Developer Name (Contact):** Russell Schweiss

**Company Name:** The Mosaic Company

**Address:** 101 East Kennedy Blvd., Suite 2500  
Tampa, FL 33602  
**City, State Zip Code**

**1.) Describe any changes made in the proposed plan of development, phasing, or in the representations contained in the Application for Development Approval since the Development of Regional Impact received approval. Note any actions (substantial deviation determinations) taken by local government to address these changes.**

**a.) Describe changes in the plan of development or phasing for the reporting year and for the subsequent years;**

The operation of the mine was conducted according to the plans contained in the DRI application, as amended. Following is a review of past approval history:

<u>DATE</u>	<u>REVISION</u>
May 19, 1976	Original Approval of DRI (Resolution No. 75-13-DRI) for the Big Four Mine (DRI #50).
July 16, 1980	Resolution No. 80-554 (transferring ownership of the mine from Borden to AMAX)
April 14, 1982	Approval of Substantial Deviation (DRI #80) revising mining rate, adding 200 acres to the mine, and other changes.
January 28, 1987	Resolution No. 87-0024 (transferring ownership of the mine from AMAX to Mobil)
September 23, 1992	NOPC Amendment of D.O. to add 80 acres and remove 60 acres from the mine site, and extend buildout date by less than 5 years to May 4, 2001 (Resolution No. R92-0243).
October 8, 1996	NOPC Amendment of D.O. to allow the interconnection with other adjacent Mosaic Mines, and new Annual Report date. (Resolution R96-256).

April 24, 2001 NOPC Amendment of D.O. to increase the life of the mine and allow mining of BF-1 (Resolution R01-089).

April 25, 2009 Mosaic Fertilizer, LLC submitted an Operating Permit Amendment to extend the life of the Big Four Mine by 3 years.

May 5, 2009 DRI #80 was extended by Hillsborough County per s.380.06(19)(c) Florida Statutes

**b.) State any known incremental DRI applications for development approval or requests for a substantial deviation determination that were filed in the reporting year and to be filed during the next year;**

See 1.a response above. No new applications have been filed.

**c.) Attach a copy of any notice of the adoption of a Development Order or the subsequent modification of an adopted Development Order that was recorded by the developer pursuant to Subsection 380.06 (14)(d), F.S.**

There have been no changes or modifications this past year.

**2.) Has there been a change in local government jurisdiction for any portion of the development since the development order was issued? If so, has the annexing local government adopted a new Development of Regional Impact Development Order for the project? Please provide a copy of the order adopted by the annexing local government.**

There have been no changes in the jurisdiction.

**3.) Provide copies of any revised master plans, incremental site plans, etc., not previously submitted.**

The plans have not changed from the last Operating Permit amendment approved on October 21, 2008.

- 4.) **Provide a summary comparison of development activity proposed and actually conducted for the reporting year as well as a cumulative total of development proposed and actually conducted to date.**

Please refer to the attached Hillsborough County annual report of operations. No mining took place during this reporting period, the total area mined through completion (June 30, 2007) is 4,166.0 acres of the 6,016.6 acres in the total DRI site. Mining at Big Four is now complete and Mosaic has no plans to mine additional acres during the next report year.

- 5.) **Have undeveloped tracts of land in the development (other than individual single-family lots) been sold to a separate entity or developer? If so, identify tract, its size, and the buyer. Please provide maps which show the tracts involved.**

Tract	Buyer
N/A. There was no land sold this past year.	

- 6.) **Describe any lands purchased or optioned adjacent to the original Development of Regional Impact site subsequent to issuance of the development order. Identify such land, its size, and intended use on site plan and map.**

There was no land purchased or optioned in the area this past year.

- 7.) **List any substantial local, state, and federal permits which have been obtained, applied for, or denied during this reporting period. Specify the agency, type of permit, and duty for each.**

The following is a tabulation of Permits that were active during the reporting period:

<u>Action*</u>	<u>AGENCY</u>	<u>PERMIT NO.</u>	<u>FOR</u>
<b>Water Use Permits</b>			
C	SWFWMD	2011400	For All Mosaic Land
<b>Dredge &amp; Fill Permits</b>			
C	TP Authority	05-239	South Prong Alafia River
Crossing Permit			
C	State 404	131363-040	Big Four Outfall Repair
C	ACOE	199004825	Tributary G & Tributary B
<b>ERP Permits</b>			
C	EPCHC	MAIW #77100	BF4 Repair
C	FDEP	MMR 131636-039	BF-4 Outfall Deminimis Exempt Activities

**Wildlife**

C	FFWCC	LSNR-20-00216	Migratory Bird Nest
Removal			
C	FFWCC	GTC-19-00286	Mine-wide Gopher Tortoise
Permit			

O – Obtained

C – Continued in effect

- 8.) Provide a list specifying each development order condition and each developer commitment as contained in the ADA and state how and when each condition or commitment has been complied with during the annual report reporting period.**

See Exhibit “G”

- 9.) Provide any information that is specifically required by the Development Order to be included in the annual report.**

Monitoring Data is attached. See Section 4

- 10.) Provide a statement certifying that all persons have been sent copies of the annual report in conformance with Subsections 380.06 (15) & (18), F.S.**

By my signature below I certify that all of those persons shown on the attached distribution list (Exhibit F) have been provided a copy of this report.

Person completing the questionnaire: Laney McGraw

Title: Mine Permitting Specialist

Representing: The Mosaic Company

**EXHIBIT F**  
**EXTERNAL DISTRIBUTION LIST**

Ms. Kim Cruz Environmental Supervisor Hillsborough County Environmental Services 322 N. Falkenburg Road Tampa, Florida 33619	1 Copy of Report
Mr. Jeffry Greenwell Section Manager Public Utilities Department 332 N. Falkenburg Road Tampa, Florida 33619	1 Copy of Report
Mr. James Stansbury Department of Economic Opportunity Bureau of Community Planning 107 East Madison St. Tallahassee, FL 32399-2100	1 Copy of Report
Mr. Scott Rogers Department of Economic Opportunity Bureau of Community Planning 107 East Madison St. Tallahassee, FL 32399-2100	1 Copy of Report
Ms. Cara Martin Government and Community Affairs Office Chief Southwest Florida Water Management District 2379 Broad Street Brooksville, FL 34604-6899	1 Copy of Report
Mr. Lance Kautz Environmental Consultant Florida Department of Environmental Protection 13051 N. Telecom Parkway Temple Terrace, Florida 33637	1 Copy of Report
Ms. Marisa Rhian Program Administrator Department of Environmental Protection 2001 Homeland Garfield Rd. Bartow, Florida 33830	1 Copy of Report

Ms. Jackie Langston  
Environmental Specialist III  
Department of Environmental Protection  
2001 Homeland Garfield Rd.  
Bartow, Florida 33830

1 Copy of Report

Mr. Jerry Harding  
Water Use Evaluation and Compliance Manager  
Southwest Florida Water Management District  
7601 US Hwy 301 North  
Tampa, Florida 33637

1 Copy of Report

**EXHIBIT F  
INTERNAL DISTRIBUTION LIST**

Russell Schweiss  
Senior Director, Land and Resource Strategies

1 Copy of Report

Laura Morris  
Superintendent Permitting and Reclamation Compliance

1 Copy of Report

Shelley Thornton  
Senior Manager Mine Permitting

1 Copy of Report

Lauren Brooks  
Senior Environmental Counsel I

1 Copy of Report

Keith Hancock  
Supervisor Reclamation

1 Copy of Report

Eric Michel  
Ecologist III

1 Copy of Report

File Copy

1 Copy of Report

<b>EXHIBIT G SUMMARY STATUS OF DEVELOPMENT ORDER CONDITIONS</b>		
<b>Big Four Mine</b>		
<b>CONDITION No.</b>	<b>CONDITION SUMMARY</b>	<b>STATUS</b>
	<b>May 5, 2008</b>	
	<b>May 22, 2001 Amendment</b>	
	<b>Development Order extended to May 4, 2008.</b>	Noted.
	<b>October 8, 1996 Amendment</b>	
II B.	Annual Report Date changed to July 31 of each year for preceding July 1 through June 30.	This report fulfills this condition.
	<b>September 23, 1992 Amendment</b>	
IV A.	Changes applicability of previous D.O. as necessary to the 80 acres added, and extended life of D.O.	Noted.
A. 2.	Mining and all mining-related activity shall be prohibited from occurring within or disturbing the 8.5-acre area of hardwood swamp and wetlands located contiguous to the 25-year floodplain as described on the attached maps A & B.	This wetland has not been disturbed.
IV.B.	Conditions are not a waiver of any other rule, statute, regulation, ordinance, or administrative order.	Noted.
IV.C.	Requirement for Annual Report.	See II B. above.
	<b>DRI #80 – April 14, 1982 S/D Amendment</b>	
III B.1.	No mining within the 25- year floodplain of the Alafia River & associated tributaries.	Noted. No mining has been done within the 25-year floodplain.

<b>EXHIBIT G SUMMARY STATUS OF DEVELOPMENT ORDER CONDITIONS</b>		
<b>Big Four Mine</b>		
<b>CONDITION No.</b>	<b>CONDITION SUMMARY</b>	<b>STATUS</b>
III B. 2.	Method and condition in ADA to be followed, specifically: <ul style="list-style-type: none"> <li>a. Use of BMP for erosion control.</li> <li>b. Use of BMP for reclamation.</li> <li>c. Implementation of energy conservation techniques.</li> <li>d. Implementation of the relative time schedule.</li> </ul>	Noted. This has been done. All BMPs within BGF have been reclaimed.
III B. 3.	Any changes in the number or location of dragline river crossing, method of product shipment and total volume of settling ponds, increase in the WUP, shall be considered a substantial deviation.	Noted. There has been no change in these.
III B.4.	Dust control techniques and reclamation processes to begin as soon as possible after mining is completed.	Noted.
III B.5.	The post mining drainage system shall be designed to protect the natural wetlands preserved from disturbance.	Noted. This is incorporated in the reclamation plans.
III B.6.	Mining of the additional area to be in accordance with the terms and conditions of the Development Order.	Noted.
C. 1.	Detailed construction drawings and hydraulic calculation for the dragline crossings shall be submitted to Hillsborough County for review and approval prior to implementation.	Noted.
C. 2.	Setbacks for BF-4 recirculation ditch. <ul style="list-style-type: none"> <li>a. 300 feet from the 25-year floodplain in Section 34.</li> <li>b. 100 feet from the 25-year floodplain in Sections 26 &amp; 35.</li> </ul>	These setbacks were observed when BF-4 was built. Complete.
C. 4.	Reclamation of area adjacent to tributaries to be completed one year after mining complete in each area.	Reclamation has been completed in these areas on schedule.
C. 5.	No recharge wells shall be placed on the Southeast side of BF-4.	No recharge wells have been installed at this site.

<b>EXHIBIT G SUMMARY STATUS OF DEVELOPMENT ORDER CONDITIONS</b>		
<b>Big Four Mine</b>		
<b>CONDITION No.</b>	<b>CONDITION SUMMARY</b>	<b>STATUS</b>
C. 6.	Reclamation of all river or tributary crossings shall begin immediately after completion of final crossing of each site.	Comment Noted. Most crossings have been reclaimed and any remaining required removals are being coordinated with Hillsborough County.
C.7.	For life of mine, wetlands shall be mitigated in at least equal amounts.	The condition has been met.
<b>DRI 75-13 Approved March 29, 1976</b>		
6.	Donate the 25-year floodplain of the South Prong of the Alafia River to Hillsborough County per drawing.	Noted. Discussions with County staff have been initiated and clarified the 25-year floodplain boundary to be transferred. Timing of transfer and the final land holder are in process.
7.	Gully Branch may be diverted for water impoundment and mining.	This was done.

SECTION 2  
REPORT OF OPERATIONS &  
FINANCIAL RESPONSIBILITY

**CERTIFICATE OF ASSISTANT CORPORATE SECRETARY OF MOSAIC FERTILIZER, LLC  
AS TO AUTHORIZATION**

The undersigned, Beth A. Paulson, does hereby certify that she is the duly elected Assistant Corporate Secretary of Mosaic Fertilizer, LLC, a Delaware limited liability company (the "Company") and further certifies as follows:

1. Russell T. Schweiss is the Sr. Director, Land and Resource Strategies for the Company.
2. In his capacity as Sr. Director, Land and Resource Strategies, Russell T. Schweiss is authorized to sign any and all documents relating to and including, but not limited to:
  - a) zoning and permit applications, and other related reports and plans that are executed or filed on behalf of the Company with any city, county, regional, state or federal governmental agency or regulatory authority; and
  - b) plans for reclamation, requests for release of reclamation obligations, and other related reports and plans that are executed or filed on behalf of the Company with any city, county, regional, state or federal governmental agency or regulatory authority.
3. The signature appearing below opposite Mr. Schweiss' name is a true and correct specimen of his signature:

NAME	TITLE	SIGNATURE
Russell T. Schweiss	Sr. Director, Land and Resource Strategies	

In witness whereof, the undersigned has executed this document effective on this 30th day of May 2024.

  
Beth A. Paulson

Subscribed and sworn to before me this 30th day of May 2024.

  
Notary Public



# Combo Phosphate Mining & DRI Annual Report Application



**Hillsborough  
County Florida**

**Important Instructions to All Applicants:**  
Please email your completed application to [ZoningIntake-DSD@HCFLGov.net](mailto:ZoningIntake-DSD@HCFLGov.net). Incomplete applications will not be accepted.

**Official Use Only**

Application No: \_\_\_\_\_ Intake Date: \_\_\_\_\_ Intake Staff Signature: \_\_\_\_\_  
 Receipt Number: \_\_\_\_\_ ZHM Date: \_\_\_\_\_ BOCC Date: \_\_\_\_\_  
 Acreage: \_\_\_\_\_ Zoning: \_\_\_\_\_ LU: \_\_\_\_\_  
 Location: \_\_\_\_\_

**Property Information**

Address: (See Page 4+) \_\_\_\_\_ City/State/Zip: \_\_\_\_\_  
 TWN-RN-SEC: \_\_\_\_\_ Folio(s): \_\_\_\_\_ Acreage: \_\_\_\_\_  
 Current Use: \_\_\_\_\_

**Property Owner Information**

Name: Russell Schweiss \_\_\_\_\_ Daytime Phone (813) 500-6891 \_\_\_\_\_  
 Address: Mosaic Fertilizer, LLC 13830 Circa Crossing Drive City/State/Zip: Lithia, Florida 33547 \_\_\_\_\_  
 Email: russell.schweiss@mosalcco.com \_\_\_\_\_ Fax Number \_\_\_\_\_

**Applicant Information**

Name: Mosaic Fertilizer, LLC \_\_\_\_\_ Daytime Phone (813) 500-6911 \_\_\_\_\_  
 Address: 13830 Circa Crossing Drive \_\_\_\_\_ City/State/Zip: Lithia, Florida 33547 \_\_\_\_\_  
 Email: \_\_\_\_\_ Fax Number \_\_\_\_\_

**Applicant's Representative (if different than above)**

Name: Laney McGraw \_\_\_\_\_ Daytime Phone (813) 500-6934 \_\_\_\_\_  
 Address: Mosaic Fertilizer, LLC 13830 Circa Crossing Drive City/State/Zip: Lithia, Florida 33547 \_\_\_\_\_  
 Email: laney.mcgraw@mosaicco.com \_\_\_\_\_ Fax Number \_\_\_\_\_

**DRI Information**

List the DRI project name and number: Big Four Mine DRI #80 \_\_\_\_\_  
 For DRI Annual Report Submittal: Anniversary Date: July 1, 2025 Reporting Period July 1 to June 30

I hereby swear or affirm that all the information provided in the submitted application packet is true and accurate, to the best of my knowledge, and authorize the representative listed above to act on my behalf on this application.

Laney C. McGraw \_\_\_\_\_  
 Signature of the Applicant  
Laney McGraw \_\_\_\_\_  
 Type or print name

I hereby authorize the processing of this application and recognize that the final action taken on this petition shall be binding to the property as well as to the current and any future owners.

Russell Schweiss \_\_\_\_\_  
 Signature of the Owner(s) – (All parties on the deed must sign)  
Russell Schweiss \_\_\_\_\_  
 Type or print name

# Identification of Sensitive/Protected Information and Acknowledgement of Public Records



Hillsborough County Florida

Pursuant to [Chapter 119 Florida Statutes](#), all information submitted to Development Services is considered public record and open to inspection by the public. Certain information may be considered sensitive or protected information which may be excluded from this provision. Sensitive/protected information may include, but is not limited to, documents such as medical records, income tax returns, death certificates, bank statements, and documents containing social security numbers.

While all efforts will be taken to ensure the security of protected information, certain specified information, such as addresses of exempt parcels, may need to be disclosed as part of the public hearing process for select applications. If your application requires a public hearing and contains sensitive/protected information, please contact [Hillsborough County Development Services](#) to determine what information will need to be disclosed as part of the public hearing process.

Additionally, parcels exempt under [Florida Statutes §119.071\(4\)](#) will need to contact [Hillsborough County Development Services](#) to obtain a release of exempt parcel information.

Are you seeking an exemption from public disclosure of selected information submitted with your application pursuant to Chapter 119 FS?  Yes  No

I hereby confirm that the material submitted with application Big Four Mine

Includes sensitive and/or protected information.

Type of information included and location \_\_\_\_\_

Does not include sensitive and/or protected information.

**Please note:** Sensitive/protected information will not be accepted/requested unless it is required for the processing of the application.

If an exemption is being sought, the request will be reviewed to determine if the applicant can be processed with the data being held from public view. Also, by signing this form I acknowledge that any and all information in the submittal will become public information if not required by law to be protected.

Signature: Laney C McGraw  
(Must be signed by applicant or authorized representative)

Intake Staff Signature: \_\_\_\_\_ Date: \_\_\_\_\_



State of Florida County of Hillsborough

(See Page 4+ to complete statements 1-4)

(Name of all property owners), being first duly sworn, depose(s) and say(s):

- 1. That (I am/we are) the owner(s) and record title holder(s) of the following described property, to wit: Address or general location: Folio No(s): (See Page 4+)
2. That this property constitutes the property for which a request for a: Annual Report Review (Nature of request) is being applied to the Board of County Commissioners, Hillsborough County.
3. That the undersigned (has/have) appointed N/A as (his/their) agent(s) to execute any permits or other documents necessary to affect such permit.
4. That this affidavit has been executed to induce Hillsborough County, Florida, to consider and act on the above-described property;
5. That (I/we), the undersigned authority, hereby certify that the foregoing is true and correct.

Signed (Property Owner) Signed (Property Owner)
Russell Schweiss (Authorized Representative) Type or Print Name Type or Print Name

STATE OF FLORIDA HILLSBOROUGH COUNTY OF HILLSBOROUGH
The foregoing instrument was acknowledged before me by means of [X] physical presence or [ ] online notarization, this 10th day of July, 2025, by Russell Schweiss.
Type of Identification Produced: Personally Known OR Produced Identification
Type of Identification Produced:
Joann Garza (Signature of Notary taking acknowledgment)
Joann Garza Type or Print Name of Notary Public
Notary Public State of Florida Joann Garza My Commission HH 621674 Expires 12/17/2028

STATE OF FLORIDA HILLSBOROUGH COUNTY OF HILLSBOROUGH
The foregoing instrument was acknowledged before me by means of [ ] physical presence or [ ] online notarization, this \_\_\_ day of \_\_\_, by (name of person acknowledging)
Type of Identification Produced: Personally Known OR Produced Identification
Type of Identification Produced:
(Signature of Notary taking acknowledgment)
Type or Print Name of Notary Public
Commission number Expiration date



# Property/Project Information Sheet

**Official Use Only**

Application No:

Proposed Project Name (If applicable): Big Four Mine DRI# 80 Related Applications: N/A

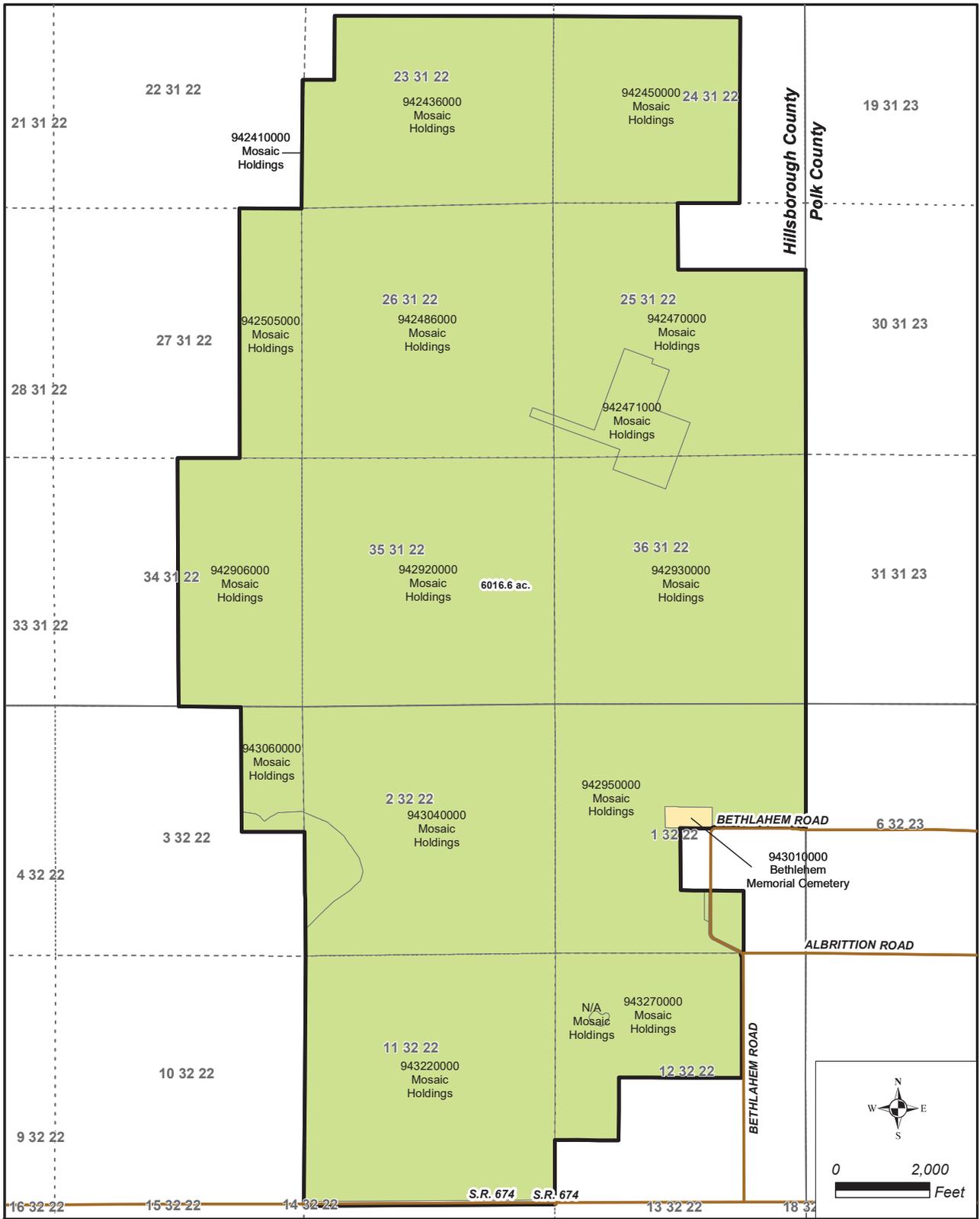
Code Enforcement/Building Code violation No. (if applicable): N/A

List each folio within the proposed project along with the corresponding information for each (Use additional sheets if necessary).

Folio Number	Owner(s) Name(s) as listed on the deed	Acreage	Current Zoning	Future Land Use Category	S/T/R**
942410000	Mosaic Holdings	0.9	AM	A/M	22/31S/22E
942436000	Mosaic Holdings	470.4	AM	A/M	23/31S/22E
942450000	Mosaic Holdings	360.0	AM	A/M	24/31S/22E
942470000	Mosaic Holdings	501.9	AM	A/M	25/31S/22E
942471000	Mosaic Holdings	86.6	AM	A/M	25/31S/22E;26/31S/22E;36/31S/22E
942486000	Mosaic Holdings	654.8	AM	A/M	26/31S/22E
942505000	Mosaic Holdings	160.8	AM	A/M	27/31S/22E
942906000	Mosaic Holdings	319.3	AM	A/M	34/31S/22E
942920000	Mosaic Holdings	646.7	AM	A/M	35/31S/22E
942930000	Mosaic Holdings	630.7	AM;AR	A/M;A/R	36/31S/22E
942950000	Mosaic Holdings	510.3	AM;AR	A/M;A/R	1/32S/22E
943010000	Bethlehem Memorial Cemetery	10.4	AR	A/M;A/R	1/32S/22E
943040000	Mosaic Holdings	648.1	AM	A/M	2/32S/22E
943060000	Mosaic Holdings	80.1	AM	A/M	3/32S/22E
943220000	Mosaic Holdings	637.8	AM	A/M	11/32S/22E
943270000	Mosaic Holdings	279.2	AM;AR	A/M;A/R	12/32S/22E
N/A	Mosaic Holdings	3.6	AR	A/R	1/32S/22E;12/32S/22E
	Total Acreage:	6001.6			

\* If Current Zoning is PD, list PD application number as well.

\*\* Section / Township / Range



**Legend**

- Right of Way
- Big Four Mine
- Township / Range Lines
- Section Lines
- Bethlehem Memorial Cemetery
- Mosaic Holdings



BIG FOUR MINE

FOLIOS

HILLSBOROUGH COUNTY  
ANNUAL REPORT  
7/1/24 TO 6/30/25

**ESTIMATED FINANCIAL RESPONSIBILITY  
THE MOSAIC COMPANY  
BIG FOUR MINE  
REPORTING PERIOD  
JULY 1, 2024 TO JUNE 30, 2025**

A. Estimated Financial Responsibility Prior to July 1, 2025

I. Areas Mined and Reclaimed through Permanent Revegetation:

a. Lands Mined & Disturbed		4,169.8 ac.			
Lands Mined Released (by FDEP)		(4,131.0) ac.			
Lands Reclaimed through Revegetation - Not Released (b., c., and d.)		(421.8) ac.			
Settling Areas on Unmined/Pre-1975 Mined Areas(*)		383.0 ac.			
		0.0 ac.			
0.0 x	\$7,460	(**)			\$0

b. Reclamation Complete through Permanent Revegetation (Less EPC Mitigation) and in One-Year Establishment (Mined Only)					
0.0 x	5%	(***) of \$7,460=\$373			\$0

c. Reclamation Complete Beyond One Year Establishment Period (Less EPC Mitigation) (Mined Only)					
5.0 x	\$0				\$0
7.0		(Less EPC Mitigation)			

d. Financial Responsibility for EPC Wetland Mitigation - Constructed and Not Released					
27.7 x	\$7,460	(****)			\$206,642

ESTIMATED TOTAL LIABILITY THROUGH JULY 1, 2025	\$206,642
--	-----------

II. Largest Capacity Clay Settling Area is Included in the Hillsborough County Mines Financial Responsibility

B. Estimated Financial Responsibility July 1, 2024 to June 30, 2025

I. Area to be Mined:

0.0 acres	x	\$7,460			\$0
-----------	---	---------	--	--	-----

ESTIMATED TOTAL LIABILITY THROUGH JUNE 30, 2025	\$206,642
---	-----------

(\*) INCLUDES UNMINED AREAS OR NON-MANDATORY AREAS UNDER CLAY SETTling AREAS.

(\*\*) \$7,460 PER ACRE AS CALCULATED BY DECEMBER WEEK 1 2024 0.9% COST CONSTRUCTION INDEX PERCENT CHANGE \*2023/2024 COST PER ACRE OF \$7,393

(\*\*\*) 5% AS DESCRIBED IN LDC Sec. 8.02.10.C.1.a

(\*\*\*\*) 8.8 acres of mitigation for LMU 17 is physically located in Big Four DRI 80 boundary. This acreage was previously accounted for in DRI 263 financial assurance but now is incorporated in DRI 80 as of 2019-2020 reporting period.

BIG FOUR MINE  
FINANCIAL RESPONSIBILITY  
2024-2025

**MINING SUMMARY**

MINE	MINING THROUGH 2007 (Complete) (acres)	UNMINED COVERED BY CSA (acres)	TOTAL
BFO	4,170	383	4,553
TOTAL	4,170	383	4,553

**REVEGETATION SUMMARY**

BFO	Reclamation Program	Mined (A)	Dist.	Program Total (T)	Other Rel.	Total Mined Acres	Reclaimed Lands	RECLAMATION	
								IN 1 YR EST	COMPLETE BEYOND 1 YR EST
	IMC-BF-1	17	15	32	0.0	17	0		
	IMC-BF-2	10	5	15	0.0	10	0		
	IMC-BF-3A	75	18	93	0.0	75	0		
	IMC-BF-4	16	1	17	0.0	16	0		
	IMC-BF-5	15	2	21	4.0	15	0		
	IMC-BF-82(1B)	9	2	11	0.0	9	0		
	IMC-BF-82(2B)	22	2	24	0.0	23	0		
	IMC-BF-82(4A)	126	0	127	1.0	126	0		
	IMC-BF-ASP(1A)	459	13	472	0.0	459	0		
	IMC-BF-ASP(2A)	612	4	616	0.0	612	0		
	IMC-BF-ASP(3A)	645	69	728	14.0	645	0		
	IMC-BF-ASP(4)	236	87	326	3.0	236	0		
	IMC-BF-ASP(5)	138	18	156	0.0	138	0		
	IMC-BF-LB(1)	106	33	139	0.0	106	0		
	IMC-BF-LB(2)	559	43	626	24.0	559	0		
	IMC-BF-SF(1A)	216	340	557	1.0	216	0		
	IMC-BF-SF(2A)	208	10	218	0.0	208	0		
	IMC-BF-SF(3A)	379	42	421	0.0	379	0		
	IMC-BF-SF(SA)	0	0	0	0.0	26	0		
	IMC-BF-SF(6D)	58	3	61	0.0	58	0		
	IMC-BF-SF(7A)	31	13	44	0.0	31	0		
	IMC-BF-SF(8B)	47	0	47	0.0	47	0		
	IMC-BF-SF(9D)	147	3	150	0.0	147	0		
	IMC-FCL-SPAR(6)	0	0	0	0.0	12	0		
	<b>Big Four Total</b>	<b>4,131</b>	<b>723</b>	<b>4,901</b>	<b>47</b>	<b>4,170</b>	<b>0</b>	<b>0</b>	<b>12</b>

**EPC MITIGATION SUMMARY**

BFO	Within Mining Unit	Mitigation For	Status	Constructed & Monitored	Released by EPC	Totals
	MU-1D	MU-1D	Released		13.4	13.4
	MU-1E	MU-1E	Monitored	18.9	132.3	151.2
	MU-1F	MU-1F	Released		138.3	138.3
	MU-3A	MU-3B	Released		24.9	24.9
	MU-3B	MU-3B	Released		122.0	122.0
	MU-3C	MU-3C	Released		23.5	23.5
	MU-3D	MU-1F	Released		2.1	2.1
	MU-3D	MU-3D	Released		31.0	31.0
	LMU 17*	LMU 17	Monitored	8.8		8.8
	<b>Big Four Total</b>			<b>27.7</b>	<b>487.5</b>	<b>515.2</b>
	<b>Total Mitigation Constructed</b>		<b>30.1</b>			

\* 8.8 acres of mitigation for LMU 17 is physically located in Big Four DRI 80 boundary. This acreage was previously accounted for in DRI 263 financial assurance but now is incorporated in DRI 80 as of 2019-2020 reporting period.



**The Mosaic Company**

**BIG FOUR MINE**

**2024/2025 ANNUAL REPORT  
OF OPERATIONS**



# **ANNUAL REPORT OF OPERATIONS FOR THE MOSAIC COMPANY BIG FOUR MINE**

**(JULY 1, 2024 THROUGH JUNE 30, 2025)**

**JULY 31, 2025**

THE MOSAIC COMPANY (“Mosaic”) is submitting its Annual Report pursuant to the requirements of the Hillsborough County Land Development Code (HCLDC), Section 8.02.10B., governing the annual reviews for compliance with the mining permit conditions imposed on its Hillsborough County Mine operations.

This report consists of two sections:

- Section 1 – A summary of mine operations for the reporting period
- Section 2 – A summary of 2024/2025 planned mine operations.

Attached are Map 1: Previous and Proposed Mining; Map 2: Reclamation Programs and Mining Unit Locations; Map 3: Clay Settling Areas; Map 4: Aerial Photograph; Map 5: FDEP Reclamation Status and EPC Mitigation Status; and Map 6 Hillsborough County Approved Reclamation Releases.

A table summarizing Mosaic’s current financial responsibility is attached as required by the HCLDC, Section 8.02.10.

A list of property owners/folio numbers and a corresponding map is also attached.

The required HCDS and EPCHC review fees will be made payable to the Hillsborough County Board of County Commissioners as required by the HCLDC.



## **SUMMARY OF MINE OPERATIONS**

There was no mining at Big Four within this report period. Total accumulative mining acreage is 4,166 acres through June 30, 2025. Mining is complete and Mosaic has no plans to mine additional land at the Big Four site.

## **ENVIRONMENTAL MONITORING**

Environmental monitoring continued throughout the reporting period as required by the Big Four monitoring plan. Rainfall from the Big Four site is interpolated from the Lonesome and Kingsford West rain gauges. In addition, monitoring data is forwarded to Hillsborough County on a monthly and annual basis. A summary report of this data is included with the DRI Annual Report (Tab 4).

## **RECLAMATION ACTIVITIES**

Supplemental planting, monitoring and nuisance maintenance continued during this report period.

## **AREAS CONTOURED & RE-VEGETATED BY FDEP RECLAMATION PROGRAM**

All contouring & re-vegetation for the Big Four Mine has been completed. All Reclamation Programs (RP), with the exception of FCL-SPAR(6) associated with the Lonesome mine, have been released by FDEP as of 2020.

## **REQUEST FOR MINE UNIT RECLAMATION RELEASE**

Hillsborough County and Mosaic are working to clarify the location and amount of acreage identified as released by Hillsborough County identified in this AR. Mosaic will request reclamation releases outside of the annual report period (Spring and Fall). Refer to Tab 5 of this document for reclamation release status.

## **SUMMARY OF 2024/2025 PROJECTED MINE OPERATIONS**

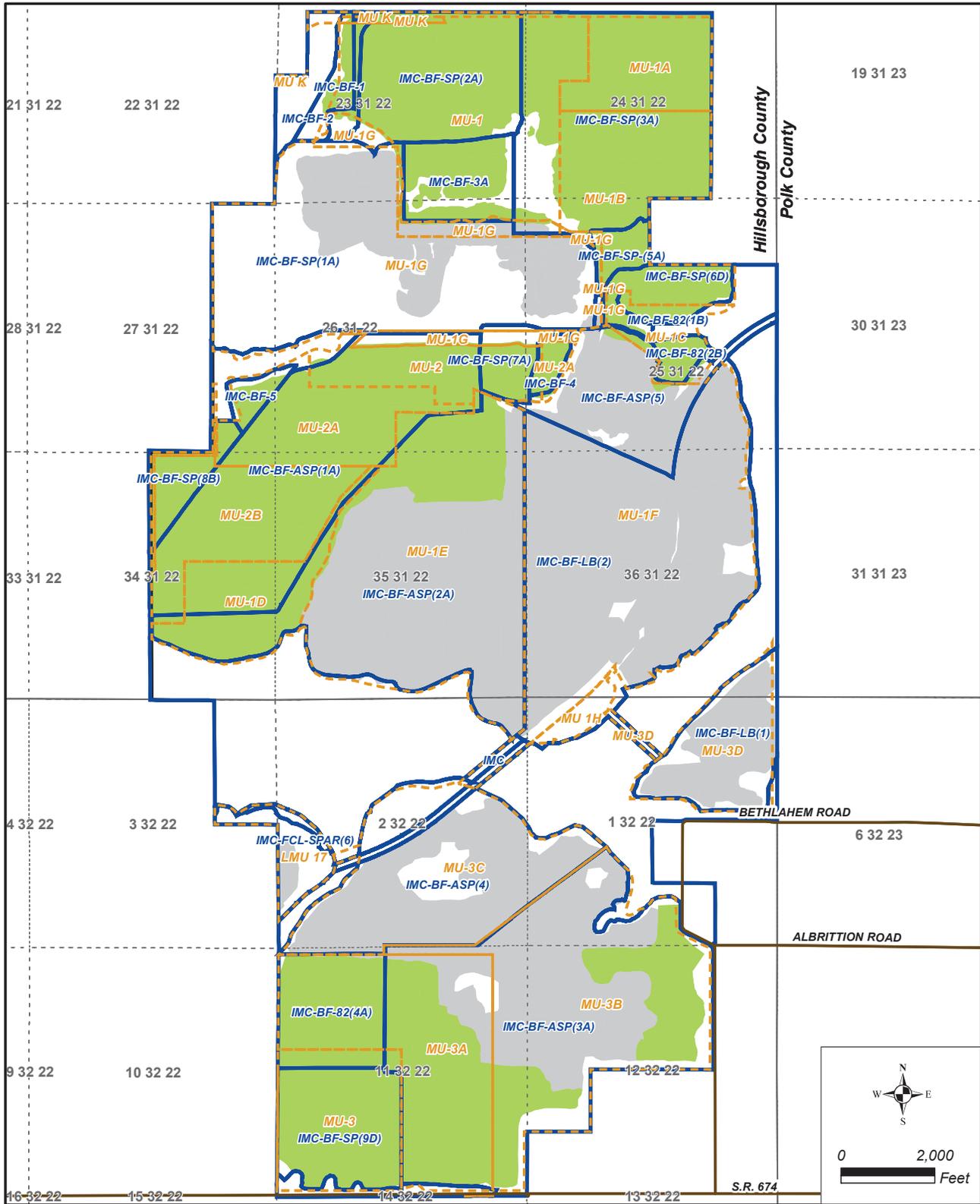
During the next year, vegetative monitoring for the Big Four Mine one remaining mitigation area will continue. Note: There is a portion of Lonesome Mining Unit (MU 17 that falls within DRI 80 boundary and 8.8 acres of mitigation wetlands within that footprint are monitored and reported to EPCHC under LMU 17. There will be no additional mining at this facility.



### **PROPOSED RECLAMATION ACTIVITIES FOR 2025-2026**

Monitoring and maintenance of the reclamation in establishment will continue in all areas as required by the County, EPCHC and ACOE. There are no remaining reclamation or mitigation liabilities left in DRI 80 for the FDEP except for the small piece of LMU 17 which is in the DRI 80 boundary. Only routine maintenance and supplemental plantings where required will be performed for 2025/2026.

SECTION 3  
MAPS



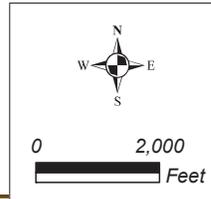
- Legend**
- Right of Way
  - - - Mining Unit Boundaries
  - ▭ LRU Boundaries
  - ▭ Big Four Mine
  - Township / Range Lines
  - - - Section Lines
  - Mining Activities**
  - Mined Prior to 1/1/92
  - Mined 1992 to Present

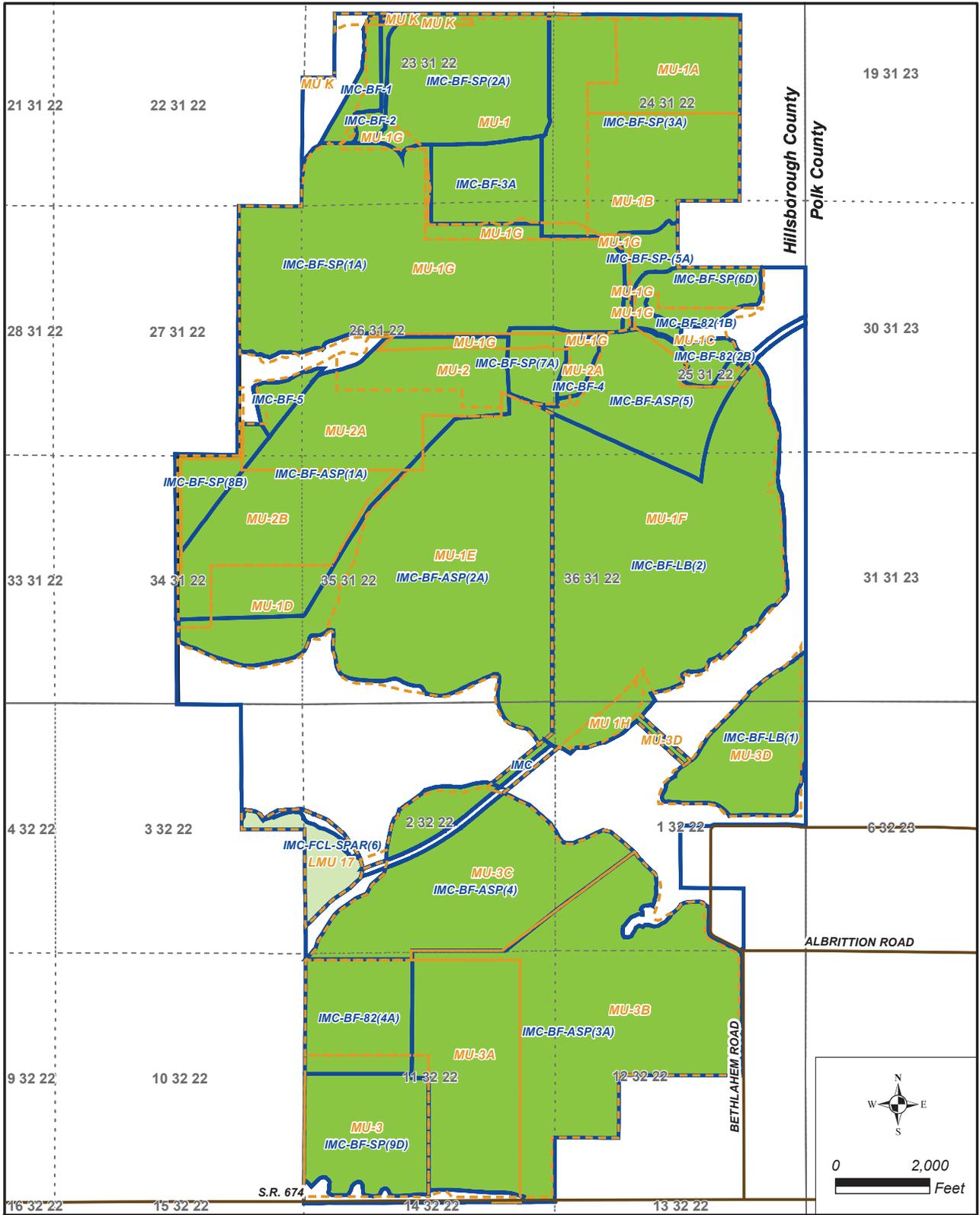
*All mining at Big Four is complete.*



BIG FOUR MINE  
 MAP 1  
 PREVIOUS AND  
 PROPOSED MINING

HILLSBOROUGH COUNTY  
 ANNUAL REPORT  
 7/1/24 TO 6/30/25





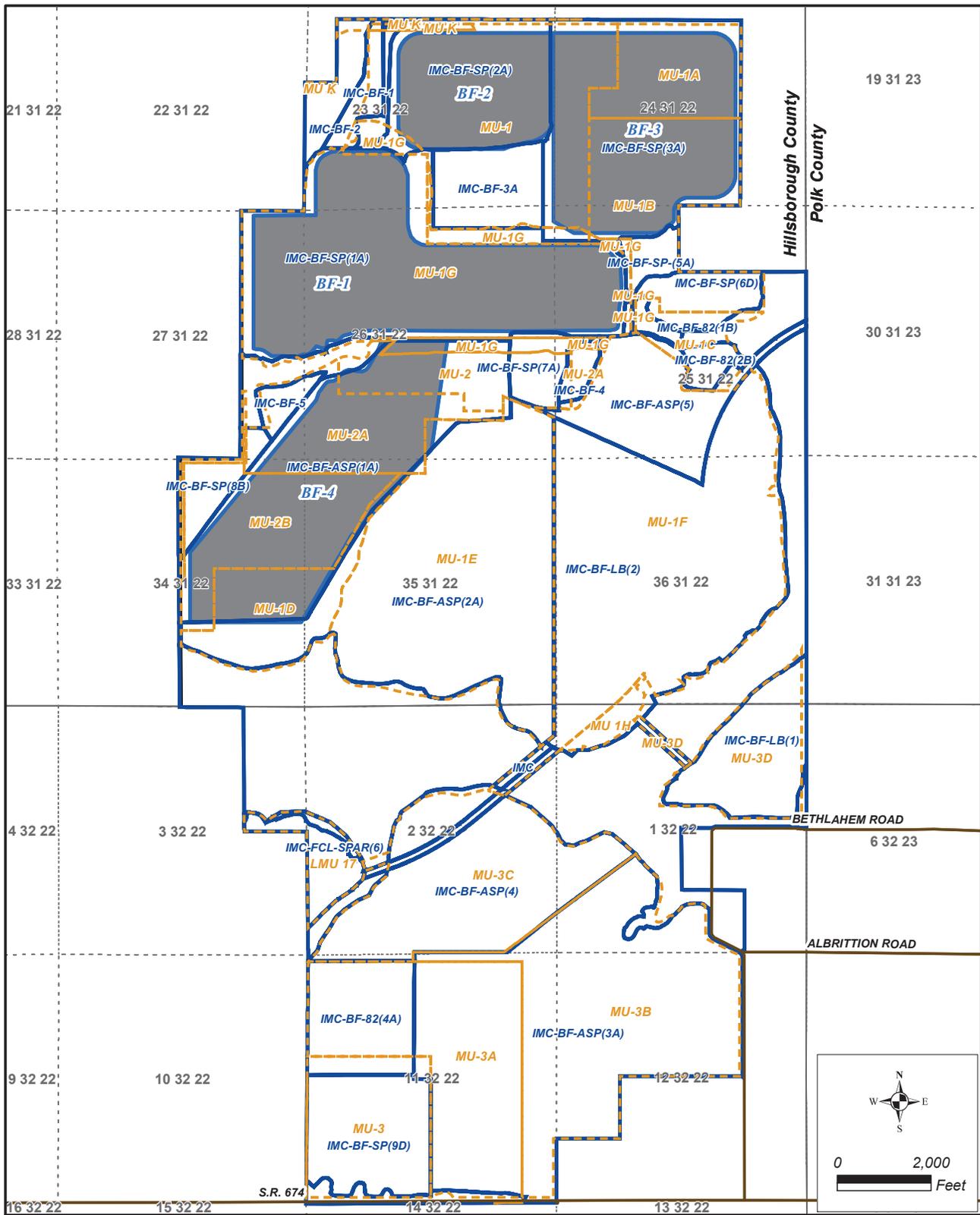
**Legend**

- Right of Way
- Mining Unit Boundaries
- LRU Boundaries
- Big Four Mine
- Township / Range Lines
- Section Lines
- FDEP Reclamation Programs**
- Released
- Work in Progress / Active



BIG FOUR MINE  
 MAP 2  
 RECLAMATION PROGRAMS/  
 MINING UNIT BOUNDARIES

HILLSBOROUGH COUNTY  
 ANNUAL REPORT  
 7/1/24 TO 6/30/25



**Legend**

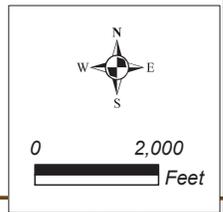
- Right of Way
- Mining Unit Boundaries
- LRU Boundaries
- Big Four Mine
- Township / Range Lines
- Section Lines
- Clay Settling Areas
- Abandoned

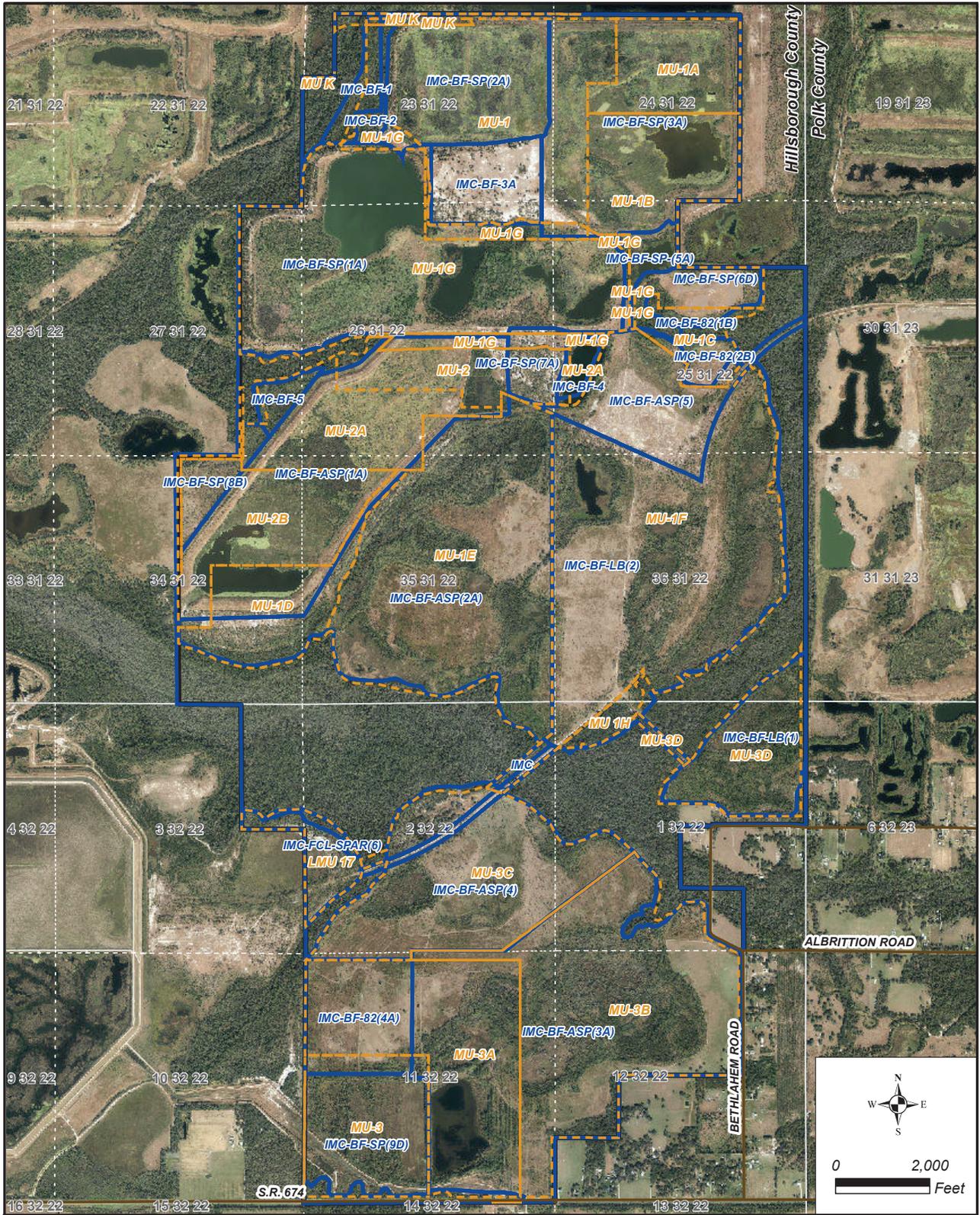


BIG FOUR MINE

MAP 3  
CLAY SETTLING AREAS

HILLSBOROUGH COUNTY  
ANNUAL REPORT  
7/1/24 TO 6/30/25





**Legend**

- Right of Way
- Mining Unit Boundaries
- LRU Boundaries
- Big Four Mine
- Township / Range Lines
- Section Lines

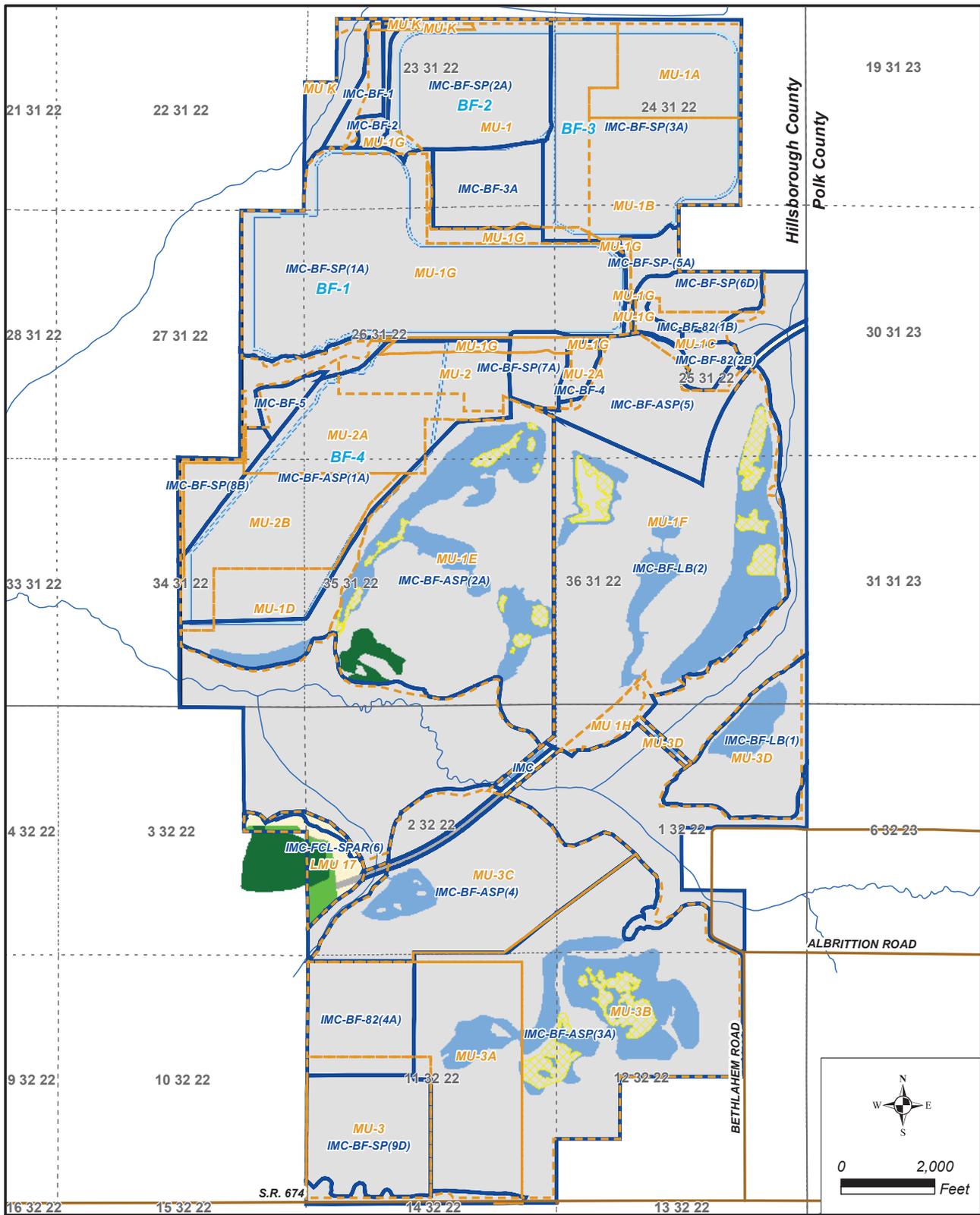


BIG FOUR MINE

MAP 4  
AERIAL PHOTOGRAPH

HILLSBOROUGH COUNTY  
ANNUAL REPORT  
7/1/24 TO 6/30/25

Aerial Flown: December 2024



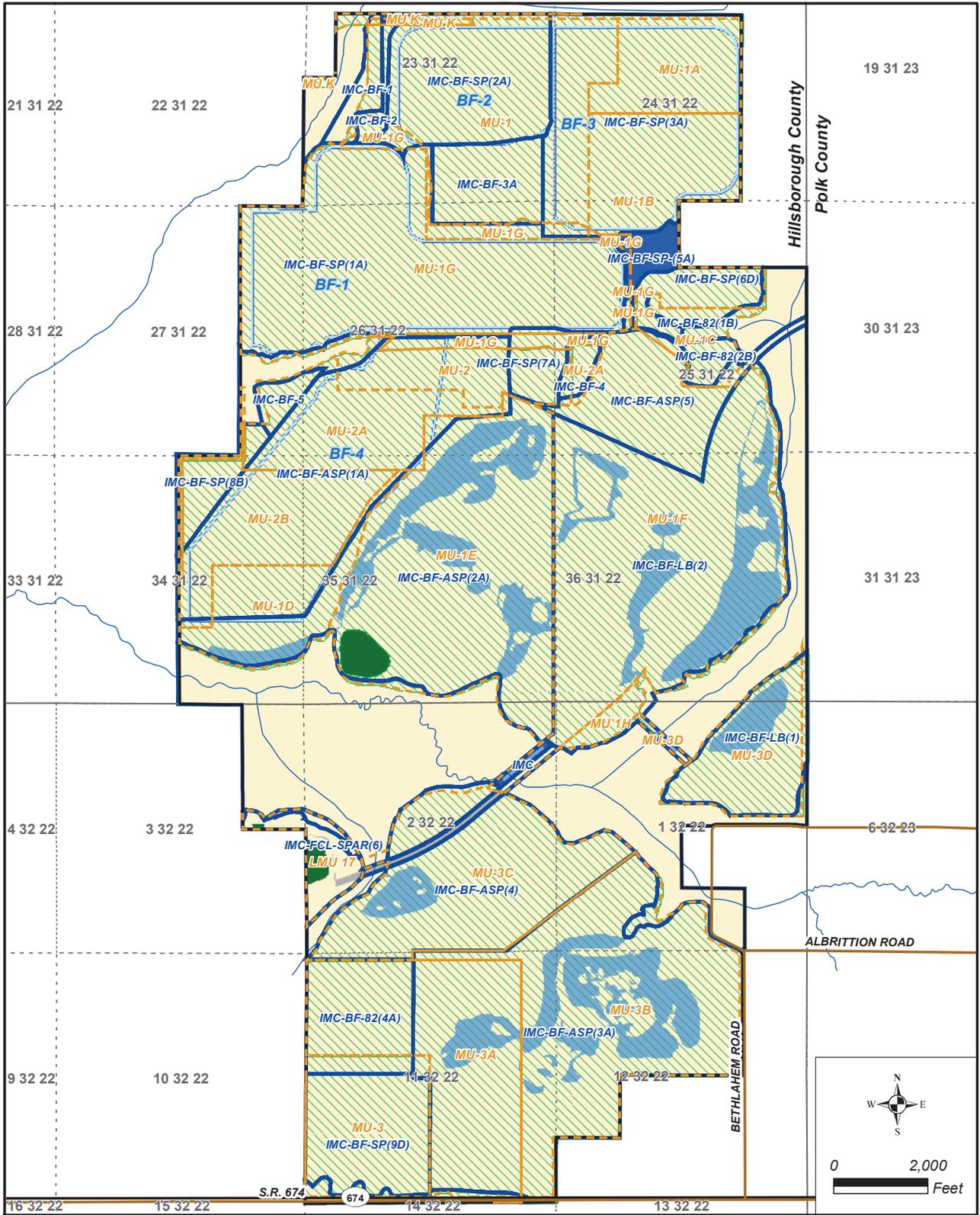
**Legend**

- Right of Way
- Mining Unit Boundaries
- LRU Boundaries
- Big Four Mine
- Township / Range Lines
- Section Lines
- Rivers
- Clay Settling
- Future EPC Mitigation, Released by EPC
- EPC Mitigation Constructed, Released by EPC
- EPC Mitigation Constructed, Not Released (As-Built Received and/or Monitored)
- Reclamation Complete Beyond One Year
- Released by FDEP
- Areas Mined or Disturbed and Not Reclaimed
- Big Four Tract - Not Mined



**BIG FOUR MINE**  
**MAP 5**  
**FDEP RECLAMATION STATUS**  
**AND EPC MITIGATION STATUS**

HILLSBOROUGH COUNTY  
 ANNUAL REPORT  
 7/1/24 TO 6/30/25



**Legend**

- Right of Way
- State Roads
- Mining Unit Boundaries
- Big Four Mine
- Township / Range Lines
- LRU Boundaries
- Section Lines
- Rivers
- Clay Settling Areas
- Released by Hillsborough County
- EPC Mitigation Constructed, Released by EPC
- EPC Mitigation Constructed, Not Released (As-Built Received and/or Monitored)
- Release by Hillsborough County in Process
- Areas Mined or Disturbed and Not Reclaimed
- Big Four Tract - Not Mined



BIG FOUR MINE

MAP 6  
HILLSBOROUGH COUNTY APPROVED  
RECLAMATION/RELEASES

HILLSBOROUGH COUNTY  
ANNUAL REPORT  
7/1/24 TO 6/30/25

SECTION 4  
ENVIRONMENTAL MONITORING  
DATA



**Hillsborough County DRI 80 Environmental Monitoring  
Big Four Mining Area  
2024-2025 Report Period**

Per current DRI 80 requirements, the following environmental monitoring summary covers the time period of July 1, 2024 through June 30, 2025 for Hillsborough County.

**REQUEST FOR CESSATION OF MONITORING AND REPORTING**

In previous annual reports, Mosaic staff requested cessation of all environmental monitoring and reporting under the Big Four Mine DRI requirements. Temporary cessation was granted for the surface water locations and piezometers listed below in an email dated April 12, 2018. After further review, Hillsborough County requested the Big Four environmental monitoring be resumed in an email dated March 5, 2019. Monitoring at the below locations was resumed at that time.

- Upper Lake Branch
- Lake Branch @ Lonesome Mine Rd.
- South Prong Alafia River @ Bethlehem Rd. –West
- South Prong Alafia River @ Lonesome Mine Rd.
- Upper Boggy Branch
- Boggy Branch (Dragline crossing)
- Piezometers 1169, 1172, 1177, 1321, and 1322

**RAINFALL**

Two (2) gauges located within Hillsborough County measure daily rainfall. The data is downloaded monthly and recorded. The rainfall summary provided in this report is based on these records. Total rainfall measured during the 2024-2025 reporting year (July 2024 through June 2025) for both rain gauges averaged 57.5 inches for the DRI reporting area. This is more than the previous report year average of 34.5 inches.

The measured cumulative rainfall data for the current reporting period was higher than the previous reporting period for both the Southeast Hillsborough #1 rain gauge (+32.8 inches) and the Kingsford West rain gauge (+13.1 inches).

**INDUSTRIAL WASTEWATER DISCHARGE AND WATER QUALITY**

**Big Four Outfall D-001 (KFD-D-007)**

This outfall was officially abandoned and removed from the permit effective October 1, 2013. Kingsford NPDES Permit No. FL0000256 was inactivated in March 2017. There is no industrial wastewater discharge from the Big Four area.

## **SURFACE WATER QUALITY MONITORING**

Surface water monitoring is performed in the South Prong Basin of the Alafia River. The following information summarizes the sampling location designations within the Alafia River basin.

South Prong of the Alafia River Basin sampling is conducted at the following four locations:

- South Prong Alafia River @ West Bethlehem Road
- South Prong Alafia River @ Lonesome Mine Road
- South Prong Alafia River @ Thatcher Road
- South Prong Alafia River @ Jameson Road

Tributaries to the South Prong of the Alafia River Basin are sampled at the following seven locations:

- Hall's Branch @ Virgil Hall
- Upper Lake Branch
- Lake Branch @ Lonesome Mine Road
- Hurrah Creek @ Hiscock Rd Bridge
- Hurrah Creek @ 672
- Upper Boggy Branch
- Boggy Branch (Dragline crossing)

As required by the Development of Regional Impact (DRI), surface water samples are collected monthly at all locations. Except as noted below, continuous flow was reported at all sampling locations within the South Prong of the Alafia River and the associated tributaries.

### ***South Prong of Alafia @ West Bethlehem Road***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality standards. The average geometric mean (AGM) for total phosphorus (TP) was above the Numeric Nutrient Criteria (NNC) threshold of 0.49 mg/L. However, the South Prong of Alafia (WBID 1653) is considered to be healthy based on a third-party analysis of both the phosphorus AGM and available biological data despite a total phosphorous AGM above the NNC threshold. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods.

### ***South Prong of Alafia @ Lonesome Mine Road***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality standards. The average geometric mean (AGM) for total phosphorus (TP) was above the Numeric Nutrient Criteria (NNC) threshold of 0.49 mg/L. However, the South Prong of Alafia (WBID 1653) is considered to be healthy based on a third-party analysis of both the phosphorus AGM and available biological data despite a total phosphorous AGM above the NNC threshold. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods.

### ***South Prong of Alafia @ Thatcher Road***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality standards. The average geometric mean (AGM) for total phosphorus (TP) was above the Numeric Nutrient Criteria (NNC) threshold of 0.49 mg/L. However, the South Prong of Alafia (WBID 1653) is considered to be healthy based on a third-party analysis of both the phosphorus AGM and available biological data despite a total phosphorous AGM above the NNC threshold. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods.

### ***South Prong of Alafia @ Jameson Road***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality standards. The average geometric mean (AGM) for total phosphorus (TP) was above the Numeric Nutrient Criteria (NNC) threshold of 0.49 mg/L. However, the South Prong of Alafia (WBID 1653) is considered to be healthy based on a third-party analysis of both the phosphorus AGM and available biological data despite a total phosphorous AGM above the NNC threshold. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods.

## **Tributaries to the South Prong of the Alafia River Basin**

### ***Hall's Branch @ Virgil Hall***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality permitted limits and standards. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods. There was no measurable flow in December 2024 and May 2025.

### ***Lake Branch @ Lonesome Mine Road***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality permitted limits and standards. The dissolved oxygen measured in September and October 2024 was slightly below the standard of >38% saturation. The average geometric mean (AGM) for total phosphorus (TP) was above the Numeric Nutrient Criteria (NNC) threshold of 0.49 mg/L. However, Lake Branch (WBID 1697) is not currently listed as impaired for nutrients and the South Prong of Alafia (WBID 1653) is considered to be healthy based on a third-party analysis of both the phosphorus AGM and available biological data despite a total phosphorous AGM above the NNC threshold. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods. There was no measurable flow from November 2024 to May 2025.

### ***Upper Lake Branch***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality permitted limits and standards. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods. There was no measurable flow from October 2024 to April 2025.

### ***Hurrah Creek @ Hiscock Road Bridge***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality permitted limits and standards. There was no measurable flow for the majority of the reporting year, resulting in insufficient data to calculate the geomean for Chlorophyll-a, Total Phosphorus, or Total Nitrogen. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods.

### ***Hurrah Creek @ County Road 672***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality permitted limits and standards. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods.

### ***Upper Boggy***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality permitted limits and standards. The average geometric mean (AGM) for total phosphorus (TP) was above the Numeric Nutrient Criteria (NNC) threshold of 0.49 mg/L. However, Upper Boggy (WBID 1695A) is not currently listed as impaired for nutrients and the South Prong of Alafia (WBID 1653) is considered to be healthy based on a third-party analysis of both the phosphorus AGM and available biological data despite a total phosphorous AGM above the NNC threshold. There was no measurable flow in September 2024 and from December 2024 to May 2025. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods.

### ***Boggy Branch***

All surface water quality parameters measured at this monitoring location during the reporting year met or were below applicable surface water quality permitted limits and standards. There was no measurable flow from April to May 2025. Monitoring conducted during this reporting period is consistent with data measured in previous reporting periods.

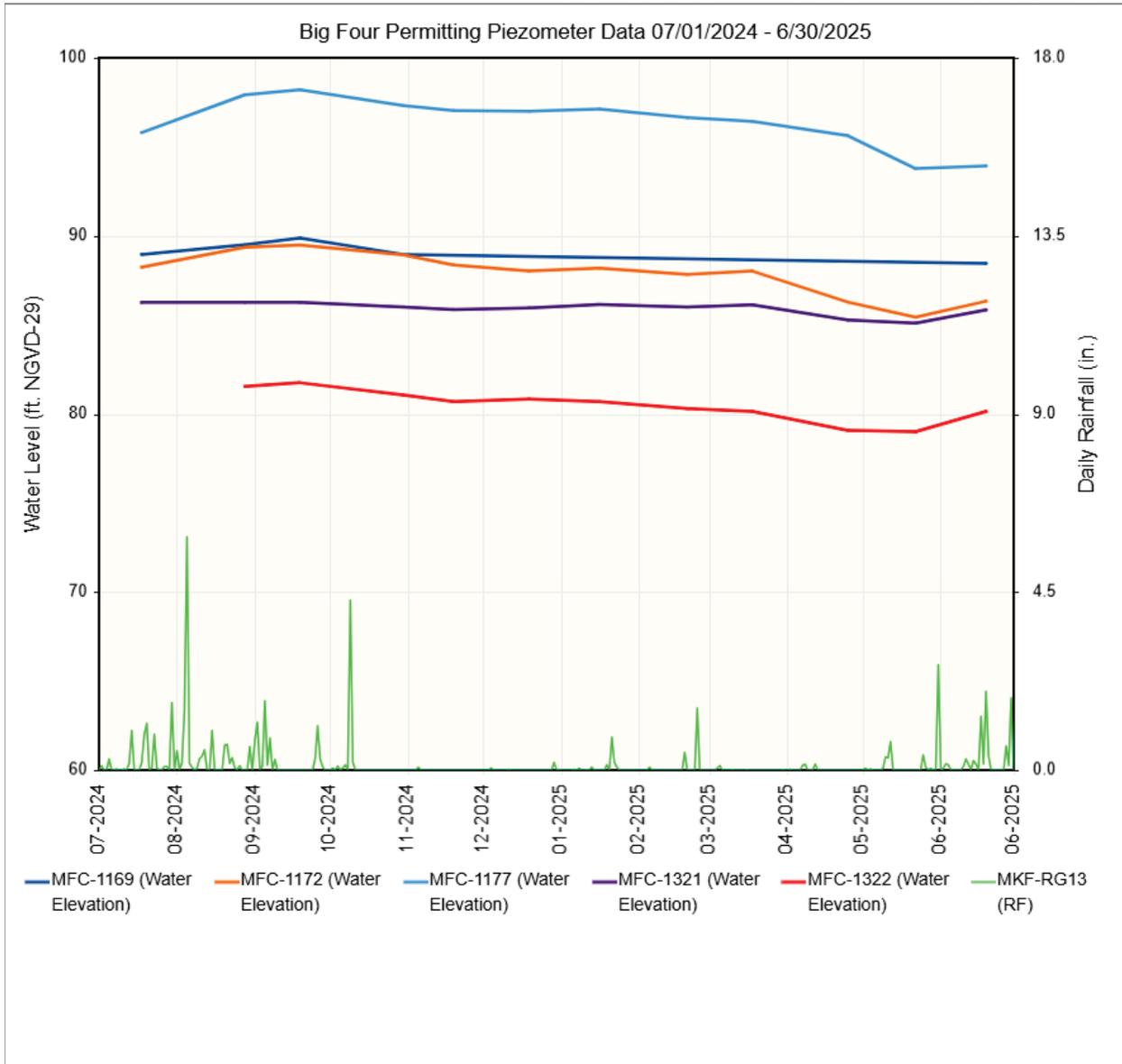
## **SURFICIAL WATER TABLE MONITORING**

Groundwater level monitoring for the reporting year was completed at the Big Four Mining area. The following area is designated to fulfill requirements of the groundwater table monitoring and mitigation plan:

- Big Four Permitting

This network is measured on a monthly basis. Groundwater elevation data collected was consistent throughout the monitoring period including seasonal fluctuations as shown in the figure below and attached monthly data.

Figure 1. Big Four Piezometer Monitoring Data Report Year 2024 – 2025



# Attachments

Hillsborough County Comprehensive Monitoring Program River Sampling Locations

Rainfall Data Tables

Surface Water Quality Tables

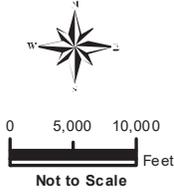
Piezometer Location Map

Surficial Water Table Monitoring Data

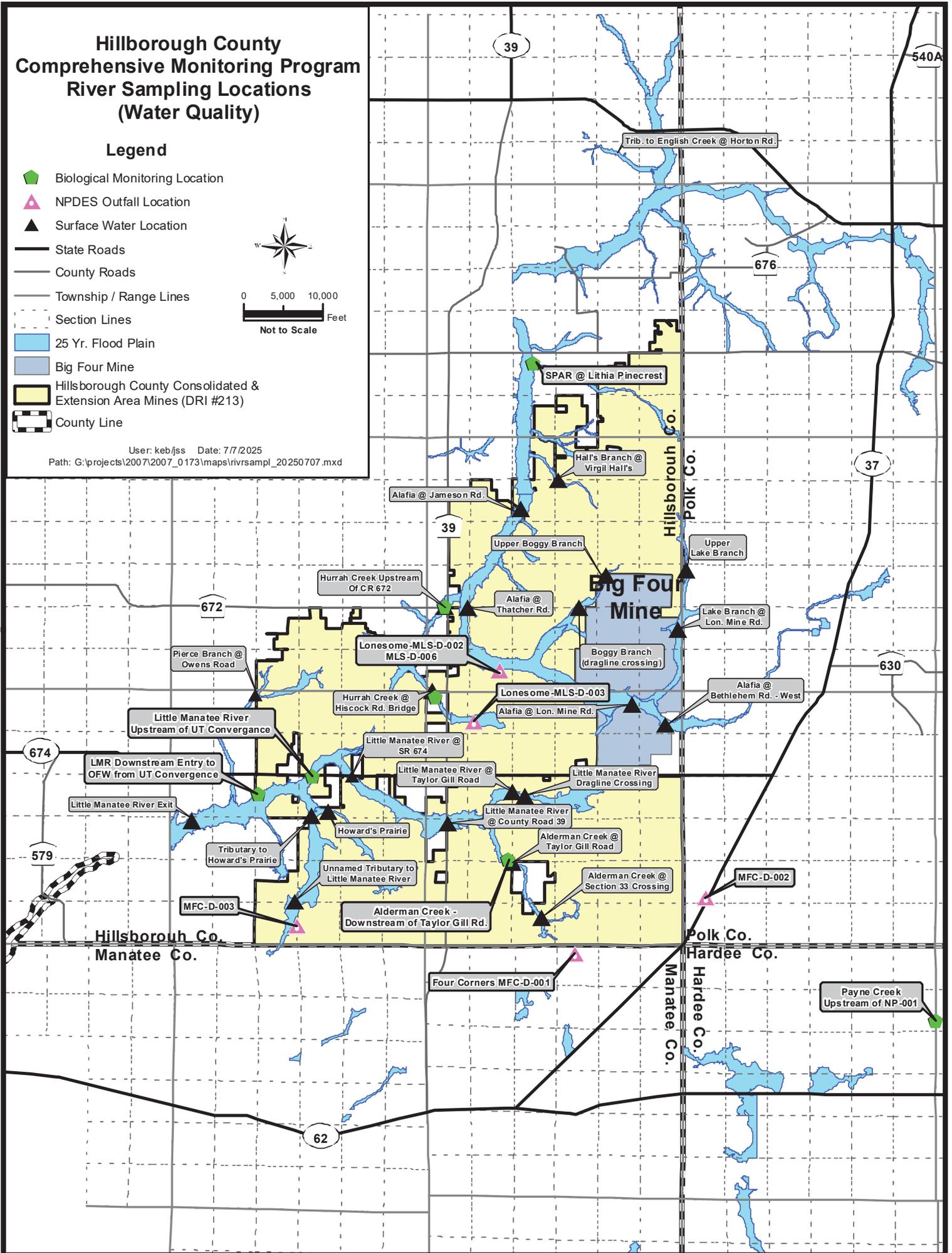
# Hillsborough County Comprehensive Monitoring Program River Sampling Locations (Water Quality)

## Legend

-  Biological Monitoring Location
-  NPDES Outfall Location
-  Surface Water Location
-  State Roads
-  County Roads
-  Township / Range Lines
-  Section Lines
-  25 Yr. Flood Plain
-  Big Four Mine
-  Hillsborough County Consolidated & Extension Area Mines (DRI #213)
-  County Line



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**Mosaic Fertilizer, LLC.**  
**Rainfall Data**  
**SE Hillsborough No. 1 Rain Gauge (Relocated December 2012) MFC-RG71**  
**July 1, 2024 through June 30, 2025**

Day	2024												2025				
	July	August	September	October	November	December	January	February	March	April	May	June					
1	0	0.61	0.01	0.73	0.05	0	0	0	0	0	0	0	0.09				
2	0	0.04	0.66	0.04	0	0	0	0	0	0	0.02	0	0.16				
3	0.91	0.54	0.75	0.14	0	0	0	0	0	0	0	0	0.18				
4	0.11	2.96	2.03	0.01	0.01	0.04	0	0	0.01	0	0	0	0.54				
5	1.76	7.94	0.06	0	0.02	0	0	0.06	0.24	0	0	0	0				
6	0	0.31	0.01	0.34	0.04	0	0.16	0	0	0	0.09	0	0				
7	0	0.19	0	0.09	0	0	0	0	0	0	0.22	0	0				
8	0.07	0	0	0.06	0	0	0.04	0	0	0	0	0	0				
9	0	0.13	0.38	4.46	0	0	0	0	0	0	0	0.48	0				
10	0	0.09	0	0.24	0	0	0	0	0.14	0	0	2.04	0.05				
11	0	1.06	0	0	0	0.27	0.01	0	0	0	0	0.46	1.85				
12	1.39	0.09	0	0	0	0	0.12	0	0	0	0.17	1.15	2.34				
13	0.01	0	0	0	0	0	0	0	0	0	0	0	0.28				
14	0.17	0.19	0.3	0	0	0	0	0	0	0	0	0	1.83				
15	0.01	0.1	0	0	0	0	0	0	0	0	0	0	0.5				
16	0.15	0	0	0	0	0	0	0.02	0	0	0	0	0.5				
17	0	0	0	0	0	0	0.02	0	0	0	0	0	0.18				
18	1.06	0	0.89	0	0	0	0	0	0	0	0	0	0.02				
19	0.03	0	0	0	0	0	0	0.33	0	0	0	0	0.1				
20	0.25	0.9	0	0	0.15	0	0	0	0.01	0	0	0	0.24				
21	0.01	0.04	0	0	0	0	0.47	0	0	0	0	0	0				
22	0.91	0.24	0	0	0	0	0.19	0	0	0	0	0	0				
23	0.37	3.31	0	0	0	0	0.15	0	0	0	0	0	0.82				
24	0.29	0.21	0	0	0	0	0	1.55	0	0	0	0	0.03				
25	0	0.01	0.14	0	0	0	0	0	0	0	0	0.07	0.23				
26	0	0.11	2.47	0	0	0	0	0	0	0	0	0	0				
27	0	0	0.27	0	0	0	0	0	0	0	0	0.44	1.01				
28	0.02	0.76	0.11	0	0	0.01	0	0	0	0	0	0	0.02				
29	0.01	0.01	0	0	0.15	0.56	0	0.56	0.03	0	0	0	1.52				
30	0.94	0.61	0	0.11	0	0.01	0	0.01	0.01	0	0	0.25	0				
31	0	0	0	0.01	0	0	0	0	0	0	0	0.83	0				
<b>Totals:</b>	<b>8.47</b>	<b>20.42</b>	<b>8.08</b>	<b>6.23</b>	<b>0.42</b>	<b>0.89</b>	<b>1.16</b>	<b>1.96</b>	<b>0.44</b>	<b>0.50</b>	<b>5.75</b>	<b>12.49</b>					
<b>Year</b>																	
2021	8.86	5.15	4.19	1.68	2.29	1.42	0.13	1.9	0.35	2.75	0.29	4.71					
2022	9.72	2.69	14.1	0.2	2.71	2.05	1.02	0.94	2.82	0.53	3.02	6.17					
2023	2.68	8.6	4.36	1.16	1.35	2.6	0.92	0.54	0.15	5.75	3.64	6.36					
2024	8.47	20.42	8.08	6.23	0.42	0.89	2.27	2.24	1.15	1.33	1.77	4.52					
2025							1.16	1.96	0.44	0.50	5.75	12.49					
<b>3-year average</b>	<b>7.09</b>	<b>5.48</b>	<b>7.55</b>	<b>1.01</b>	<b>2.12</b>	<b>2.02</b>	<b>1.40</b>	<b>1.24</b>	<b>1.37</b>	<b>2.54</b>	<b>2.81</b>	<b>5.68</b>					

**Total rainfall 2024-2025 reporting period 66.81 inches**  
**Total rainfall 2023-2024 reporting period 34.03 inches**  
**Difference between current and previous reporting period 32.78 inches**

Mosaic Fertilizer, LLC.  
Rainfall Data  
Kingsford West Rain Gauge MKF-RG13  
July 1, 2024 through June 30, 2025

Day	2024										2025				
	July	August	September	October	November	December	January	February	March	April	May	June			
1	0	0.49	0.74	0	0	0	0	0	0	0	0	0			
2	0.11	0.01	1.21	0.04	0	0	0	0	0	0.02	0	0.04			
3	0	0.18	0.01	0	0	0	0	0	0	0	0	0.16			
4	0	1.51	0.09	0.1	0	0.05	0	0	0.05	0	0.03	0.13			
5	0.28	5.89	1.75	0	0.07	0	0	0.07	0.11	0	0	0			
6	0	0.17	0.13	0.05	0	0	0.02	0	0	0	0	0			
7	0	0.07	0.81	0.13	0	0	0	0	0	0.12	0	0			
8	0.03	0	0.01	0	0	0	0.04	0	0	0.15	0	0			
9	0	0.04	0.27	4.29	0	0	0	0	0	0	0.04	0			
10	0	0.29	0	0.2	0	0	0	0	0.01	0	0.33	0.09			
11	0.03	0.35	0	0	0	0.02	0.01	0	0	0	0.28	0.31			
12	0	0.51	0	0	0	0	0	0	0	0.15	0.72	0.15			
13	0.17	0	0	0	0	0	0.07	0	0	0	0	0			
14	1	0	0	0	0	0	0	0	0	0	0	0.24			
15	0.02	1	0	0	0	0	0	0	0	0	0	0.15			
16	0	0	0	0	0	0	0	0	0.01	0	0	0			
17	0	0	0	0	0	0	0	0	0	0	0	1.36			
18	0.19	0	0	0	0	0	0	0	0	0	0	0.15			
19	0.89	0	0	0	0	0	0.13	0.45	0	0	0	1.99			
20	1.18	0.63	0	0	0	0	0.83	0	0	0	0	0.36			
21	0	0.65	0	0	0	0	0.2	0	0	0	0	0			
22	0.05	0.17	0	0	0	0	0.07	0	0	0	0	0			
23	0.9	0.31	0	0	0	0	0	0	0	0	0	0			
24	0.04	0.05	0	0	0	0	0	1.57	0	0	0.02	0			
25	0	0.01	0.28	0	0	0	0	0	0	0.38	0	0			
26	0	0.11	1.12	0	0	0	0	0	0	0.07	0	0			
27	0.09	0	0.28	0	0	0	0	0	0	0	0	0.61			
28	0.09	0	0.08	0	0	0	0	0	0	0.04	0.12	0			
29	0	0	0	0	0	0.19	0	0	0	0	1.82	0			
30	1.7	0.59	0	0	0	0.01	0	0	0.01	0	0	0			
31	0	0	0	0	0	0.01	0	0	0	2.66	0	0			
<b>Totals:</b>	<b>6.77</b>	<b>13.03</b>	<b>6.78</b>	<b>4.81</b>	<b>0.07</b>	<b>0.28</b>	<b>1.37</b>	<b>2.09</b>	<b>0.19</b>	<b>0.44</b>	<b>4.64</b>	<b>7.65</b>			
<b>Year</b>															
2020	0.26	8.08	6.31	1.97	3.86	0.91	0.4	1.77	0.06	0.05	1.89	4.89			
2021	8.95	3.81	5.51	3.15	2.79	1.05	0.13	1.9	0.35	2.75	0.29	4.71			
2022	2.25	4.87	6.55	0.3	3.64	1.01	1.09	0.67	1.03	0.09	0.95	3.02			
2023	6.77	13.03	6.78	4.81	0.07	0.28	1.28	0.35	0.04	3.25	6.38	6.03			
2024							1.37	2.09	0.19	0.44	4.64	7.65			
<b>3-year average</b>	<b>3.82</b>	<b>5.59</b>	<b>6.12</b>	<b>1.81</b>	<b>3.43</b>	<b>0.99</b>	<b>0.83</b>	<b>0.97</b>	<b>0.47</b>	<b>2.03</b>	<b>2.54</b>	<b>4.59</b>			

Total rainfall 2024-2025 reporting period 48.12 inches  
Total rainfall 2023-2024 reporting period 34.98 inches  
Difference between current and previous reporting period 13.14 inches

Mosaic Fertilizer, LLC  
 Surface Water Quality Data  
 South Prong of Alafia @ West Bethlehem Road Bridge  
 July 1, 2024 through June 30, 2025

Class III Surface Water standards, 62.302 F.A.C.	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen; Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorous	Non-Volatile/Non-Filterable residue (Fixed Solids)	Suspended Solids: Total (TSS)	Specific Conductance	Sulfate	Nitrogen- Kjeldahl	Total Nitrogen	Turbidity	Temperature
Date	MGD	mg/l	ug/L	PCU	% Saturation	mg/l	mg/l	SU	mg/l	mg/l	mg/l	mg/l	umho/cm	mg/l	mg/l	mg/l	NTU	°C
7/17/2024	25.8	0.093	0.69	100	83.1	2.72	0.259	7.92	0.989	1.12	1.8	4.6	981	299	1.36	1.62	4.2	27
8/27/2024	32.3	0.19	1.65	150	75.4	1.34	0.264	7.88	0.89	1.28	1.0	1.4	506	93.7	1.75	2.01	2.21	27.9
9/19/2024	42.0	0.06	52.40	125	54.1	1.21	0.296	7.92	0.828	0.91	<1	1.6	447	73	0.562	0.858	3.26	27.5
10/30/2024	24.2	<0.05	5.80	125	68.8	1.46	0.347	7.87	0.97	0.94	1.0	3.6	488	91.4	0.794	1.14	3.95	25.5
11/13/2024	16.2	0.069	5.47	125	69.3	1.64	0.339	7.87	0.967	0.93	1.2	4.2	584	129	0.585	0.924	4.92	26
12/17/2024	9.7	0.134	3.26	125	87.9	1.96	0.317	7.83	0.677	0.95	<1	1.2	761	212	0.442	0.759	3.72	21.5
1/15/2025	6.5	0.085	0.30	70	91.1	1.24	0.462	7.6	0.884	1.03	<1	2.4	635	147	0.788	1.25	4.02	12.4
2/19/2025	5.8	0.11	24.00	50	92.3	2.22	0.31	7.69	0.866	1.11	2.2	4.6	870	244	0.802	1.11	6.08	23.2
3/18/2025	5.5	<0.05	1.01	50	79.1	2.01	0.16	8.02	0.951	1.06	1.2	3.4	870	223	0.727	0.887	4.36	15.1
4/15/2025	2.6	<0.05	0.27	60	87.2	2.18	0.282	8.32	0.968	1.17	2.4	2.6	845	216	0.528	0.81	2.76	21.4
5/22/2025	3.2	0.067	0.37	60	83.2	2.19	0.478	8.08	0.676	0.85	<1	2.8	874	268	0.609	1.09	3.9	27
6/18/2025	12.9	0.054	1.28	200	77.7	1.22	0.153	7.75	0.528	0.804	1.4	3.6	600	182	1.31	1.47	7.4	28.2

OOB = Out Of Banks

NF = No Flow

< - Below laboratory method detection limit

^ - See F.A.C. 62-302.530(3)

# - Chlorophyll - a - Not to be exceeded more than once in any consecutive 3-year period per F.A.C. 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.531(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.

Mosaic Fertilizer, LLC  
 Surface Water Quality Data  
 South Prong of Alafia @ Lonesome Mine Rd.  
 July 1, 2024 through June 30, 2025

Class III Surface Water standards, 62.302 F.A.C.	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen; Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorus	Non-Volatile; Non-Filterable residue (Fixed Solids)	Suspended Solids; Total (TSS)	Specific Conductance	Sulfate	Nitrogen - Kjeldahl	Total Nitrogen	Turbidity	Temperature
Date	MGD	mg/l	ug/L	PCU	% Saturation	mg/l	mg/l	SU	mg/l	mg/l	mg/l	mg/l	umho/cm	mg/l	mg/l	mg/l	NTU	°C
		<2.5x calculated value <sup>^</sup>	<20 annual geomean <sup>#</sup>	N/A	>38%	<10	NA	6.0-8.5	N/A	< 0.49 Annual Geomean*	N/A	N/A	<1275	N/A	N/A	<1.65 Annual GeoMean*	<28 above background	N/A
7/17/2024	59.4	0.091	6.29	175	92.1	1.81	0.158	7.66	0.858	0.989	1.4	3.8	662	168	1.14	1.3	4.45	26.3
8/27/2024	93.7	0.108	1.28	150	66.1	1.42	0.237	7.53	0.971	1.23	<1	2.0	455	74.2	1.59	0.92	2.26	27.5
9/19/2024	112.0	0.074	1.44	125	50.5	1.22	0.293	7.68	0.829	0.846	<1	1.6	448	70.9	0.506	0.799	1.94	27.1
10/30/2024	97.6	0.096	3.64	125	52.3	1.42	0.251	7.85	0.954	0.899	1.2	2.8	474	80.7	1.05	1.3	2.8	23.7
11/14/2024	71.7	<0.05	5.89	100	66.4	1.58	0.305	7.93	0.927	0.946	<1	<1	580	120	0.484	0.789	4.49	22
12/19/2024	34.4	0.107	2.34	100	83.6	1.92	0.303	8.39	0.658	0.772	2.8	4.4	722	191	0.422	0.725	3.9	21.7
1/15/2025	11.8	0.069	0.96	70	88.9	1.10	0.45	7.95	0.714	0.859	<1	1.8	551	113	0.609	1.06	4.18	12
2/19/2025	14.0	0.071	3.84	50	83.4	2.06	0.303	7.95	0.794	0.985	1.6	4.0	851	219	0.612	0.915	6.15	20.1
3/18/2025	14.0	0.052	1.96	40	81.6	2.02	0.184	8.08	0.942	1.07	1.2	3.2	774	225	0.716	0.9	4.67	15.3
4/24/2025	0.5	<0.05	<0.25	50	76.1	1.41	0.088	8.18	1.08	1.36	1.6	3.2	605	129	0.571	0.659	3.57	22.6
5/22/2025	5.5	0.096	0.61	60	76.1	2.41	0.481	8.26	0.704	0.944	1.0	1.2	913	260	0.59	1.07	3.47	27.2
6/18/2025	17.8	0.062	1.35	200	70.0	0.66	0.193	8.32	0.618	0.826	6.8	12.2	362	89.6	0.977	1.17	13.8	26.6

COB = Out Of Banks

NF = No Flow

< - Below laboratory method detection limit

^ - See F.A.C. 62-302.530(3)

# - Chlorophyll-a - Not to be exceeded more than once in any consecutive 3-year period per F.A.C. 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.531(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.

Mosaic Fertilizer, LLC  
 Surface Water Quality Data  
 South Prong of Alafia @ Thatcher Rd.  
 July 1, 2024 through June 30, 2025

Surface Water standards, F.A.C.	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen; Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorous	Non-Volatile/Non-Filterable residue (Fixed Solids)	Suspended Solids; Total (TSS)	Specific Conductance	Sulfate	Nitrogen - Kjeldahl	Total Nitrogen	Turbidity	Temperature
Date	MGD	mg/l	ug/L	PCU	% Saturation	mg/l	mg/l	SU	mg/l	mg/l	mg/l	mg/l	umho/cm	mg/l	mg/l	mg/l	NTU	°C
7/18/2024	3.0	0.116	1.29	350	45.8	1.00	<0.04	6.92	0.71	0.8777	<1	3.6	360	87.4	1.73	1.73	3.66	27.1
8/28/2024	126.0	0.056	3.55	225	46.6	1.25	0.02	7.52	0.849	0.945	<1	1.0	380	53.5	1.62	1.64	2.94	28.2
9/25/2024	102.0	0.081	1.34	150	57.6	1.12	0.072	7.47	0.916	0.812	1.0	3.0	398	57.7	0.515	0.587	2.14	27.2
10/29/2024	126.0	0.087	1.53	125	52.4	1.18	<0.04	7.19	0.685	0.768	<1	1.8	405	65.5	0.8	0.8	3.34	21.6
11/13/2024	87.2	<0.05	2.23	200	57.0	1.18	<0.04	7.34	0.746	0.692	<1	<1	468	79.9	0.441	0.441	4.08	24.5
12/17/2024	29.8	0.086	2.38	125	57.5	1.62	0.124	7.41	0.657	0.773	2.2	2.6	635	153	0.206	0.33	3.65	19.9
1/29/2025	19.4	0.115	1.12	125	76.2	1.25	0.143	7.51	0.611	0.721	1.2	2.8	645	177	1.16	1.3	4.27	16.3
2/27/2025	35.6	<0.05	1.42	200	57.8	0.98	0.079	7.08	0.592	0.52	4.8	1.2	669	221	0.945	1.02	4.49	18.9
3/26/2025	9.7	0.075	5.40	100	76.0	1.80	0.14	7.93	0.852	0.997	3.7	6.3	833	201	0.785	0.925	4.71	21.1
4/15/2025	7.8	<0.05	21.60	85	91.0	1.87	<0.04	8.19	0.703	0.966	6.4	12.4	783	187	0.781	0.781	7.91	22
5/21/2025	9.7	0.071	11.00	125	90.7	2.26	<0.04	8.00	0.55	0.835	3.6	7.0	985	286	0.593	0.593	5.5	26.5
6/25/2025	77.6	<0.05	1.25	250	40.6	0.97	<0.04	6.68	0.687	0.799	<1	2.4	511	128	1.63	1.63	3.49	26

OOB = Out Of Banks

< - Below laboratory method detection limit

NF = No Flow

^ - See F.A.C. 62-302.530(3)

# - Chlorophyll -a - Not to be exceeded more than once in any consecutive 3-year period per F.A.C. 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.531(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.

Mosaic Fertilizer, LLC  
 Surface Water Quality Data  
 South Prong of Alafia @ Jameson Rd  
 July 1, 2024 through June 30, 2025

Class III Surface Water standards, 62.302 F.A.C.	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen, Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorous	Non-Volatile, Non-Filterable residue (Fixed Solids)	Suspended Solids; Total (TSS)	Specific Conductance	Sulfate	Nitrogen - Kjeldahl	Total Nitrogen	Turbidity	Temperature
Date	MGD	mg/l	ug/L	PCU	% Saturation	mg/l	mg/l	SU	mg/l	mg/l	mg/l	mg/l	umho/cm	mg/l	mg/l	mg/l	NTU	°C
7/18/2024	83.7	0.248	0.57	350	52.4	0.94	<-0.04	7.01	0.73	0.861	1.8	4.4	348	85.2	1.43	1.43	4.81	29.9
8/25/2024	276.0	0.096	0.49	225	41.9	1.17	0.03	7.24	0.906	0.894	<1	2.0	350	46.2	1.18	1.21	3.12	27.4
9/25/2024	145.0	0.092	1.35	225	51.6	1.10	0.078	7.53	0.914	0.793	1.6	2.6	412	56.6	0.629	0.707	2.3	27.4
10/29/2024	178.0	0.076	0.52	125	60.2	1.12	<-0.04	7.54	0.734	0.786	<1	2.2	394	60.4	0.674	0.674	1.89	22.3
11/13/2024	130.0	0.05	0.52	150	51.3	1.17	0.06	7.62	0.81	0.761	<1	1.6	454	75.8	0.534	0.594	2.52	24
12/17/2024	32.2	0.087	0.59	125	73.2	1.44	0.209	6.76	0.601	0.711	<1	1.6	577	196	0.406	0.615	4.71	19.6
1/29/2025	24.8	0.078	0.36	125	84.3	1.05	0.234	7.82	0.534	0.579	<1	2.0	570	151	0.973	1.21	3.93	16.7
2/27/2025	45.6	<0.05	1.07	200	71.6	0.85	0.17	7.38	0.556	0.465	<1	1.8	587	179	0.842	1.01	2.57	18.1
3/26/2025	11.4	0.086	0.72	100	79.1	1.58	0.199	7.23	0.799	0.941	<1	1.4	760	178	0.821	1.02	2.6	19.6
4/15/2025	9.4	<0.05	0.26	60	75.1	1.65	0.086	7.77	0.702	0.914	2.0	2.4	721	167	0.664	0.75	2.26	20.1
5/21/2025	1.6	0.108	0.47	125	78.1	1.98	0.145	8.18	0.951	0.782	1.4	3.2	928	275	0.673	0.818	5.02	25.4
6/25/2025	98.2	0.061	0.52	250	38.3	0.872	<-0.04	6.96	0.641	0.821	1.8	2.6	475	112	1.39	1.39	3.39	26.7

OOR = Out Of Banks

NF = No Flow

< - Below laboratory method detection limit

^ - See F.A.C. 62-302.530(3)

# - Chlorophyll-a - Not to be exceeded more than once in any consecutive 3-year period per F.A.C. 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.531(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.

Mosaic Fertilizer, LLC  
 Surface Water Quality Data  
 Hall's Branch @ Virgil Hall Rd. (KFD SWB-02)  
 July 1, 2024 through June 30, 2025

Class III Surface Water standards, 62.302 F.A.C. Date	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen; Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorous	Non-Volatile, Non-Filtrable residue (Fixed Solids)	Suspended Solids; Total (TSS)	Specific Conductance	Sulfate	Nitrogen - Kjeldahl	Total Nitrogen	Turbidity	Temperature
7/18/2024	0.1	0.144	4.12	150	73.9	0.53	0.07	7.4	0.329	0.521	1.8	6.2	288	9.89	1.54	1.61	6.46	24.9
8/28/2024	0.1	0.156	0.65	225	86.5	0.55	0.083	7.41	0.44	0.659	3.4	8.4	321	7.05	2.1	2.18	10.4	26.1
9/25/2024	0.3	0.131	0.74	150	87.4	0.48	0.104	7.22	0.503	0.4	1.2	4.0	227	6.44	0.411	0.515	7.3	26.7
10/29/2024	0.8	0.138	1.01	150	83.6	0.51	0.074	7.6	0.353	0.58	6.0	9.2	218	6.52	0.737	0.811	6.17	21.8
11/13/2024	0.8	0.125	1.57	200	86.5	0.52	0.145	7.73	0.362	0.433	1.4	4.2	233	6.74	0.522	0.667	11.1	23.1
12/17/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
1/29/2025	0.6	0.094	0.90	125	93.7	0.44	0.085	7.93	0.206	0.282	3.4	5.2	247	10.4	1.03	1.11	11.1	15.4
2/27/2025	0.8	0.092	1.20	200	81.6	0.44	0.141	7.61	0.23	0.216	3.1	7.3	260	10.7	1.41	1.55	12.4	17.8
3/26/2025	0.7	0.13	3.58	125	89.3	0.44	0.088	7.93	0.185	0.509	10.0	18.0	267	8.63	0.949	1.04	17	17.9
4/15/2025	0.5	0.07	0.33	85	81.0	0.44	0.115	7.64	0.193	0.655	5.6	10.8	277	10	0.729	0.844	11.8	16
5/21/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
6/25/2025	0.9	<0.05	2.31	125	88.1	0.48	0.22	7.23	0.327	0.404	<1.0	2.6	250	8.38	0.943	1.16	8.8	24.9

OOF = Out Of Banks

NF = No Flow

< - Below laboratory method detection limit

^ - See F.A.C. 62-302.530(3)

# - Chlorophyll - a - Not to be exceeded more than once in any consecutive 3-year period per F.A.C. 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.531(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.

Mosaic Fertilizer, LLC  
 Surface Water Quality Data  
 Lake Branch @ Lonesome Mine Rd.  
 July 1, 2024 through June 30, 2025

Surface Water standards, F.A.C.	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen; Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorous	Non-Volatile;Non-Filterable residue (Fixed Solids)	Suspended Solids;Total (TSS)	Specific Conductance	Sulfate	Nitrogen - Kjeldahl	Total Nitrogen	Turbidity	Temperature
Date	MGD	<2.5x calculated value <sup>A</sup> mg/l	<20 annual geomean <sup>#</sup> ug/L	PCU	>38% % Saturation	<10 mg/l	NA mg/l	6.0-8.5 SU	N/A mg/l	< 0.49 Annual Geom <sup>B</sup> mg/l	N/A mg/l	N/A mg/l	<1275 umho/cm	N/A mg/l	N/A mg/l	<1.65 Annual Geom <sup>B</sup> mg/l	<29 above background NTU	°C
7/17/2024	0.5	0.162	16.10	175	54.6	0.48	<0.04	7.42	0.623	0.82	4.2	10.0	341	31	1.58	1.58	10.4	27
8/27/2024	0.6	0.252	2.28	150	48.6	0.57	0.048	7.51	0.893	0.976	1.4	2.8	315	12.3	1.5	1.55	5.2	27.4
9/19/2024	0.5	0.183	2.27	125	34.8	0.48	0.085	7.51	0.671	0.748	1.0	3.0	324	8.64	0.542	0.627	4.6	26.7
10/30/2024	0.5	0.313	1.76	100	37.2	0.48	0.13	7.34	0.639	0.568	<1	1.2	301	8.45	1.06	1.19	6.21	22.9
11/14/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
12/19/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
1/15/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
2/19/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
3/18/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
4/24/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
5/22/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
6/18/2025	0.9	0.101	2.35	200	62.6	0.90	0.42	7.08	0.332	0.609	<1	2.4	264	79.8	1.67	2.09	5.9	24.9

OOB = Out Of Banks

NF = No Flow

< - Below laboratory method detection limit

<sup>A</sup> - See F.A.C. 62-302.530(3)

<sup>#</sup> - Chlorophyll -a - Not to be exceeded more than once in any consecutive 3-year period per F.A.C 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.531(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.

Mosaic Fertilizer, LLC  
 Surface Water Quality Data  
 Upper Lake Branch  
 July 1, 2024 through June 30, 2025

Surface Water standards, 62.302 F.A.C.	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen; Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorous	Non-Volatile; Non-Filterable residue (Fixed Solids)	Suspended Solids; Total (TSS)	Specific Conductance	Sulfate	Nitrogen - Kjeldahl	Total Nitrogen	Turbidity	Temperature	
Date	MGD	mg/l	ug/L	PCU	% Saturation	mg/l	mg/l	SU	mg/l	mg/l	mg/l	mg/l	umho/cm	mg/l	mg/l	mg/l	NTU	°C	
7/19/2024	1.6	0.16	25.30	150	74.7	0.49	<0.04	7.22	0.079	0.227	1.6	11.2	174	1.9	1.06	1.06	18.3	27.6	
8/26/2024	3.9	0.187	9.55	150	65.1	0.83	0.153	7.35	0.16	0.366	2.6	7.0	202	1.12	1.53	1.68	15	28	
9/19/2024	3.9	0.115	1.92	125	72.1	0.75	0.083	7.69	0.306	0.41	3.8	7.8	227	1.4	0.42	0.503	8.09	26.7	
10/29/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
11/13/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
12/19/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
1/15/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
2/27/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
3/19/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
4/24/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
5/21/2025	0.5	0.7	8.82	125	41.3	0.55	0.138	8.02	0.138	0.378	4.6	11.4	218	2.03	1.38	1.52	13.6	26.6	
6/25/2025	2.3	0.418	23.5	125	60.1	0.50	0.056	7.41	0.158	0.312	3.6	11.2	178	1.74	1.19	1.25	13.8	28.6	

OOB = Out Of Banks

NF = No Flow

< - Below laboratory method detection limit

A - See F.A.C. 62-302.530(3)

# - Chlorophyll -a - Ngl to be exceeded more than once in any consecutive 3-year period per F.A.C. 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.531(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.

Mosaic Fertilizer, LLC  
 Surface Water Quality Data  
 Hurrah Creek @ Hiscock Rd. Bridge  
 July 1, 2024 through June 30, 2025

Class III Surface standards, 62.302 F.A.C.	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen, Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorous	Non-Volatile/Non-Fillable residue (Fixed Solids)	Suspended Solids/Total (TSS)	Specific Conductance	Sulfate	Nitrogen - Kjeldahl	Total Nitrogen	Turbidity	Temperature
Date	MGD	mg/l	ug/L	PCU	% Saturation	mg/l	mg/l	SU	mg/l	mg/l	mg/l	mg/l	umho/cm	mg/l	mg/l	mg/l	NTU	°C
7/25/2024	1.2	0.176	0.75	225	74.8	0.22	0.024	6.64	0.354	0.416	2.8	6.6	200	32.9	2.48	2.5	9.42	N/A
8/29/2024	1.7	0.266	1.85	600	75.0	0.28	0.039	6.81	0.498	0.611	4.0	7.6	170	18.1	1.64	1.85	14.7	26.5
9/25/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
10/29/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
11/13/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
12/17/2024	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
1/29/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
2/27/2025	0.4	0.185	0.41	150	64.5	0.17	<0.04	7.45	0.384	0.268	<1	<1	146	23.1	0.932	0.932	5.27	17.5
3/26/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
4/15/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
5/21/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
6/25/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF

OOB = Out Of Banks  
 NF = No Flow

< - Below laboratory method detection limit

^ - See F.A.C. 62-302.53(3)

# - Chlorophyll a - Not to be exceeded more than once in any consecutive 3-year period per F.A.C. 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.53(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.

Mosaic Fertilizer, LLC  
 Surface Water Quality Data  
 Hurrah Creek @ CR 672  
 July 1, 2024 through June 30, 2025

Class III Surface Water standards, 62.302 F.A.C.	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen, Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorous	Non-Volatile/Non-Filterable residue (Fixed Solids)	Suspended Solids:Total (TSS)	Specific Conductance	Sulfate	Nitrogen - Kjeldahl	Total Nitrogen	Turbidity	Temperature
Date	MGD	mg/l	ug/L	PCU	% Saturation	mg/l	mg/l	SU	mg/l	mg/l	mg/l	mg/l	umho/cm	mg/l	mg/l	mg/l	NTU	°C
7/25/2024	3.9	0.055	0.39	400	74.0	0.31	0.04	7.21	0.528	0.581	1.0	1.8	263	55.6	2.21	2.25	4.16	27.7
8/29/2024	3.9	0.124	<0.25	600	59.5	0.37	0.077	7.14	0.527	0.612	1.2	1.6	197	20.9	1.61	1.69	3.14	26.3
9/25/2024	3.2	<0.05	0.34	225	66.5	0.32	0.329	6.95	0.504	0.34	<1	2.8	205	24.3	0.818	1.15	4.03	26.8
10/29/2024	4.9	0.084	0.36	150	81.6	0.28	0.32	7.42	0.342	0.388	1.0	2.8	192	26.5	0.599	0.919	5.20	22.2
11/13/2024	4.0	0.076	1.13	180	77.9	0.27	<0.04	7.97	0.377	0.339	2.4	5.8	194	26.1	0.33	0.33	6.68	25.7
12/17/2024	2.7	0.064	0.67	125	84.0	0.30	0.527	7.09	0.294	0.387	2.4	5.2	199	35.9	0.2	0.527	6.96	19.5
1/29/2025	3.2	0.059	<0.25	125	88.3	0.30	0.446	7.81	0.217	0.223	1.8	4.0	262	44.5	0.683	1.13	4.16	15.1
2/27/2025	8.1	<0.05	2.41	250	79.9	0.31	0.195	6.71	0.294	0.177	<1	2.2	267	49.3	0.921	1.12	4.51	16.1
3/26/2025	0.5	<0.05	<0.25	125	83.1	0.27	0.438	7.96	0.288	0.335	<1	1.4	208	33.7	0.633	1.07	2.58	18.7
4/15/2025	0.8	<0.05	0.42	85	79.5	0.27	0.362	7.76	0.288	0.421	2.8	4.0	210	35.3	0.388	0.75	3.76	18.6
5/21/2025	1.6	0.095	0.83	125	75.6	0.28	0.423	8.28	0.428	0.504	1.0	2.6	223	45.3	0.459	0.862	3.42	23.2
6/25/2025	2.4	<0.05	0.25	250	48.1	0.34	0.123	7.2	0.374	0.621	1.8	5.0	251	40.6	1.3	1.42	3.05	25.5

OOB = Out Of Banks

NF = No Flow

< - Below laboratory method detection limit

\* - See F.A.C. 62-302.530(3)

# - Chlorophyll -a - Not to be exceeded more than once in any consecutive 3-year period per F.A.C. 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.531(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.



Mosaic Fertilizer, LLC  
Surface Water Quality Data  
Boggy Branch  
July 1, 2024 through June 30, 2025

Class III Surface Water standards, 62.302 F.A.C.	Flow	Total Ammonia Nitrogen as N (TAN)	Chlorophyll a	Color	Oxygen; Dissolved	Fluoride	Nitrate-Nitrite (NOx)	pH	Ortho-Phosphate (as P)	Total Phosphorus	Volatile/Non-Filterable residue (Fixed Solids)	Suspended Solids; Total (TSS)	Specific Conductance	Sulfate	Nitrogen - Kjeldahl	Total Nitrogen	Turbidity	Temperature
Date	MGD	mg/l	ug/L	PCU	% Saturation	mg/l	mg/l	SU	mg/l	mg/l	mg/l	mg/l	umho/cm	mg/l	mg/l	mg/l	NTU	°C
7/17/2024	1.0	0.073	7.65	175	79.2	0.70	<0.04	7.49	0.462	0.552	1.4	5.6	177	2.2	1.36	1.36	7.41	27
8/27/2024	7.3	0.092	2.21	150	66.2	0.90	0.068	7.64	0.398	0.521	2.0	4.8	214	4.62	1.68	1.74	5.15	27.5
9/19/2024	4.9	0.114	2.70	125	69.7	0.74	0.081	7.7	0.316	0.423	4.2	9.2	226	1.35	0.49	0.571	6.14	26.9
10/30/2024	2.3	<0.05	4.75	100	72.3	0.73	0.154	7.9	0.271	0.293	1.2	3.6	217	3.82	0.797	0.951	5.33	22.8
11/14/2024	2.7	<0.05	4.34	110	80.3	0.74	0.09	7.83	0.319	0.404	2.2	5.6	225	4.07	0.424	0.514	6.71	21.8
12/19/2024	1.3	0.157	2.69	100	82.2	0.72	0.108	8.03	0.308	0.422	1.2	2.0	218	2.3	0.499	0.607	5.59	20.9
1/15/2025	1.3	0.054	3.22	70	93.4	0.69	0.12	8.14	0.291	0.36	<1	2.0	209	3.55	0.519	0.639	5.38	12.5
2/19/2025	1.3	0.131	0.98	60	80.0	0.68	0.085	7.41	0.356	0.477	1.6	4.0	206	3.93	0.656	0.741	7.42	19.9
3/18/2025	1.0	0.058	1.51	70	78.1	0.62	0.054	7.74	0.385	0.489	2.2	4.2	204	2.85	0.73	0.784	6.15	14.2
4/24/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
5/22/2025	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
6/18/2025	1.6	0.054	1.14	200	66.8	0.45	0.398	7.22	0.342	0.585	<1	2.0	284	78.9	1.72	2.12	6.51	24.8

OOB = Out Of Banks

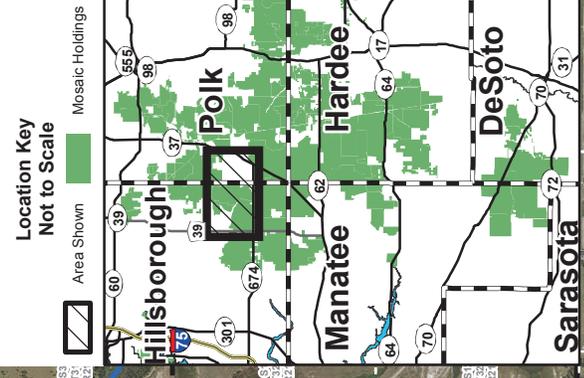
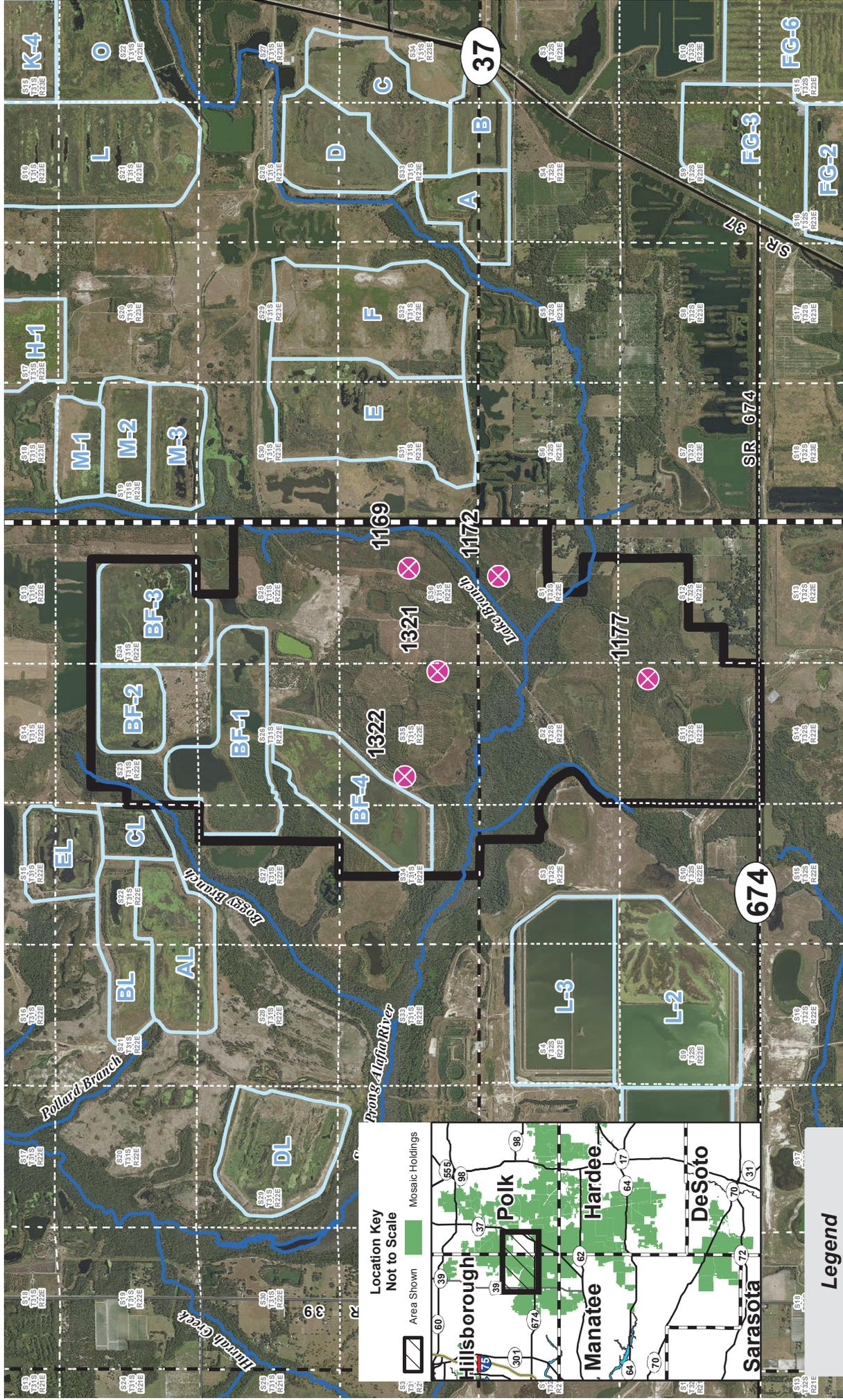
NF = No Flow

< - Below laboratory method detection limit

^ - See F.A.C. 62-302.530(3)

# - Chlorophyll -a - Not to be exceeded more than once in any consecutive 3-year period per F.A.C. 62-303.450(1)

\* - Nutrient thresholds per F.A.C. 62-302.531(2)(c) - exceedance does not indicate impairment without corresponding floral and faunal data.



**Location Key**  
Not to Scale

- Area Shown
- Mosaic Holdings

**Legend**

- County Lines
- Township / Range Lines
- Section Lines
- Major Roads
- Streams and Waterways
- Select Piezometers
- Big Four Mine Boundary
- Clay Setting Areas

Mosaic Aerial Photo December 2017



# Big Four Piezometers

Sample Point Area	Sample Point Name	Measured Date	Water Elevation
Big Four Permitting	MFC-1169	07/18/2024	88.96
Big Four Permitting	MFC-1169	08/28/2024	89.50
Big Four Permitting	MFC-1169	09/19/2024	89.88
Big Four Permitting	MFC-1169	10/30/2024	88.96
Big Four Permitting	MFC-1169	11/19/2024	No access due to new barbed wire fence without a gate
Big Four Permitting	MFC-1169	12/19/2024	
Big Four Permitting	MFC-1169	01/16/2025	
Big Four Permitting	MFC-1169	02/20/2025	
Big Four Permitting	MFC-1169	03/18/2025	
Big Four Permitting	MFC-1169	04/25/2025	
Big Four Permitting	MFC-1169	05/22/2025	
Big Four Permitting	MFC-1169	06/19/2025	88.46
Big Four Permitting	MFC-1172	07/18/2024	88.24
Big Four Permitting	MFC-1172	08/28/2024	89.36
Big Four Permitting	MFC-1172	09/19/2024	89.48
Big Four Permitting	MFC-1172	10/30/2024	88.94
Big Four Permitting	MFC-1172	11/19/2024	88.37
Big Four Permitting	MFC-1172	12/19/2024	88.03
Big Four Permitting	MFC-1172	01/16/2025	88.18
Big Four Permitting	MFC-1172	02/20/2025	87.84
Big Four Permitting	MFC-1172	03/18/2025	88.02
Big Four Permitting	MFC-1172	04/25/2025	86.28
Big Four Permitting	MFC-1172	05/22/2025	85.43
Big Four Permitting	MFC-1172	06/19/2025	86.33
Big Four Permitting	MFC-1177	07/18/2024	95.80
Big Four Permitting	MFC-1177	08/28/2024	97.92
Big Four Permitting	MFC-1177	09/19/2024	98.20
Big Four Permitting	MFC-1177	10/30/2024	97.32
Big Four Permitting	MFC-1177	11/19/2024	97.04
Big Four Permitting	MFC-1177	12/19/2024	97.00
Big Four Permitting	MFC-1177	01/16/2025	97.13
Big Four Permitting	MFC-1177	02/20/2025	96.64
Big Four Permitting	MFC-1177	03/18/2025	96.43
Big Four Permitting	MFC-1177	04/25/2025	95.63
Big Four Permitting	MFC-1177	05/22/2025	93.78
Big Four Permitting	MFC-1177	06/19/2025	93.93
Big Four Permitting	MFC-1321	07/18/2024	86.27
Big Four Permitting	MFC-1321	08/28/2024	86.27
Big Four Permitting	MFC-1321	09/19/2024	86.27
Big Four Permitting	MFC-1321	10/30/2024	86.01
Big Four Permitting	MFC-1321	11/19/2024	85.87
Big Four Permitting	MFC-1321	12/19/2024	85.95
Big Four Permitting	MFC-1321	01/16/2025	86.15
Big Four Permitting	MFC-1321	02/20/2025	86.00
Big Four Permitting	MFC-1321	03/18/2025	86.13
Big Four Permitting	MFC-1321	04/25/2025	85.27
Big Four Permitting	MFC-1321	05/22/2025	85.10
Big Four Permitting	MFC-1321	06/19/2025	85.85
Big Four Permitting	MFC-1322	07/18/2024	NA
Big Four Permitting	MFC-1322	08/28/2024	81.54
Big Four Permitting	MFC-1322	09/19/2024	81.75
Big Four Permitting	MFC-1322	10/30/2024	81.07

<b>Sample Point Area</b>	<b>Sample Point Name</b>	<b>Measured Date</b>	<b>Water Elevation</b>
Big Four Permitting	MFC-1322	11/19/2024	80.69
Big Four Permitting	MFC-1322	12/19/2024	80.84
Big Four Permitting	MFC-1322	01/16/2025	80.69
Big Four Permitting	MFC-1322	02/20/2025	80.30
Big Four Permitting	MFC-1322	03/18/2025	80.14
Big Four Permitting	MFC-1322	04/25/2025	79.07
Big Four Permitting	MFC-1322	05/22/2025	79.00
Big Four Permitting	MFC-1322	06/19/2025	80.14

NA - No safe access due to flooded road - MFC-1322 July 2024

SECTION 5  
RECLAMATION RELEASE STATUS

# THE MOSAIC COMPANY

## BIG FOUR MINE ANNUAL REPORT HILLSBOROUGH COUNTY

### RECLAMATION RELEASE STATUS TO JUNE 30, 2025 (FOR THE REPORT PERIOD OF JULY 1, 2024 THROUGH JUNE 30, 2025)

Mosaic is listing Logical Reclamation Units (LRUs) (also known as Reclamation Parcels (RP)) that have been formally released by Hillsborough County Development Services. These reclamation releases total 4,935.2 acres of previously mined and/or disturbed land at the Big Four mine. Hillsborough County and Mosaic are working to clarify the location and amount of acreage identified as released by Hillsborough County identified in this AR. All of these areas reside within a mining unit (MU) boundary, have been released from FDEP; with the exception of the preservation, non-disturbed (ND), and non-mandatory (NM) areas which are not required to be released by FDEP. Certificates of completion have been issued by EPCHC for all mitigation with the exception of two areas (1 in MU 1E and the other in LMU 17). Table 1 below lists the MUs and associated acreages that have been agreed upon by Hillsborough County and Mosaic as released. Table 2 reflects the same information listed by LRUs. The attached Hillsborough County Release Map depicts the information provided in Tables 1 and 2 below.

**Table 1**

<b>Mining Unit</b>	<b>Total Acres</b>	<b>Released Acres</b>	<b>Unreleased Acres</b>	<b>Final Release Date</b>
Outside MUs		38.9		2021-02-09
LMU 17	54.3	0.0	54.3	
MU 12	12.8	12.8	0.0	2021-02-09
MU 1H	21.4	21.4	0.0	2020-06-09
MU K	18.8	18.8	0.0	2021-02-09
MU-1	425.1	425.1	0.0	2016
MU-1A	129.9	129.9	0.0	Prior to 2004
MU-1B	236.8	213.9	23.0	2021-02-09
MU-1C	65.1	65.1	0.0	2021-02-09
MU-1D	139.9	139.9	0.0	2021-02-09
MU-1E	552.7	533.9	18.8	2021-02-09
MU-1F	741.0	730.3	10.7	2021-02-09
MU-1G	624.3	620.2	4.1	2020-06-09
MU-2	116.3	116.3	0.0	2021-02-09
MU-2A	185.4	185.4	0.0	2021-02-09
MU-2B	204.7	204.7	0.0	2021-02-09

**Table 1 Continued**

<b>Mining Unit</b>	<b>Total Acres</b>	<b>Released Acres</b>	<b>Unreleased Acres</b>	<b>Final Release Date</b>
MU-3	182.0	182.0	0.0	2021-02-09
MU-3A	345.3	345.3	0.0	2021-02-09
MU-3B	486.4	486.5	0.0	2021-02-09
MU-3C	332.3	320.1	12.2	2021-02-09
MU-3D	144.6	144.6	0.0	2020-06-09
<b>Grand Total Released Acres</b>		<b>4,935.1</b>		

Completely Released MU

**Table 2**

<b>STATUS</b>	<b>LRUID</b>	<b>MUID</b>	<b>Stream</b>	<b>Uplands</b>	<b>Water</b>	<b>Wetlands (F)</b>	<b>Wetlands (H)</b>	<b>Grand Total</b>	
Released by Hillsborough County	IMC-BF-1	MU K		1.3		0.1		1.4	
		MU-1		15.9		0.3		16.2	
		MU-1G		0.6		0.3		0.9	
	<b>IMC-BF-1 Total</b>				<b>17.8</b>		<b>0.7</b>		<b>18.5</b>
	IMC-BF-2	MU K		0.9					0.9
		MU-1		7.7					7.7
		MU-1G		6.3	0.4				6.7
	<b>IMC-BF-2 Total</b>				<b>14.9</b>	<b>0.4</b>			<b>15.3</b>
	IMC-BF-3A	MU-1		92.2					92.2
		MU-1G		0.9					0.9
	<b>IMC-BF-3A Total</b>				<b>93.1</b>				<b>93.1</b>
	IMC-BF-4	MU-1G		<0.05	0.3		1.6		1.9
		MU-2		1.5	1.3		1.4		4.2
		MU-2A			10.5		0.5		11.0
	<b>IMC-BF-4 Total</b>				<b>1.5</b>	<b>12.1</b>	<b>3.5</b>		<b>17.1</b>
	IMC-BF-5	MU-2A		14.9			3.7		18.6
	<b>IMC-BF-5 Total</b>				<b>14.9</b>		<b>3.7</b>		<b>18.6</b>
	IMC-BF-82(1B)	MU-1B		0.2			<0.05		0.2
		MU-1C		4.3			5.7		10.0
		MU-1G		0.7			0.3		1.0
<b>IMC-BF-82(1B) Total</b>				<b>5.2</b>		<b>6.0</b>		<b>11.2</b>	

Table 2 Continued

STATUS	LRUID	MUID	Stream	Uplands	Water	Wetlands (F)	Wetlands (H)	Grand Total	
Released by Hillsborough County	IMC-BF-82(2B)	*		<0.05					
		MU-1C		22.0		0.3		22.3	
		MU-1F		0.2				0.2	
		MU-1G		2.7				2.7	
	<b>IMC-BF-82(2B) Total</b>				<b>24.9</b>		<b>0.3</b>		<b>25.2</b>
	IMC-BF-82(4A)	MU-3			20.4				20.4
		MU-3A			105.4				105.4
		MU-3B			<0.05				<0.05
		MU-3C			0.7				0.7
	<b>IMC-BF-82(4A) Total</b>				<b>126.5</b>				<b>126.5</b>
	IMC-BF-ASP(1A)	*			0.9				0.9
		MU 12			1.3				1.3
		MU-1D			32.1	28.2		2.7	63.0
		MU-1E			7.3		1.2		8.5
		MU-1G			14.7		0.5		15.2
		MU-2			58.2		17.6		75.8
		MU-2A			135.8		3.4		139.2
		MU-2B			84.4	58.3		26.5	169.2
	<b>IMC-BF-ASP(1A) Total</b>				<b>334.7</b>	<b>86.5</b>	<b>22.7</b>	<b>29.2</b>	<b>473.1</b>
	IMC-BF-ASP(2A)	*			0.5				0.5
		MU-1D			53.0		15.7	4.7	73.4
		MU-1E			353.8		129.6	34.9	518.3
		MU-1F			0.3		<0.05		0.3
		MU-2			0.2		0.4		0.6
		MU-2A			1.9				1.9
		MU-2B			2.8				2.8
		MU-3B					<0.05		<0.05
<b>IMC-BF-ASP(2A) Total</b>				<b>412.5</b>		<b>145.7</b>	<b>39.6</b>	<b>597.8</b>	
IMC-BF-ASP(3A)	*			9.7				9.7	
	MU-3			4.0				4.0	
	MU-3A			149.9	43.8	29.5	12.6	235.8	
	MU-3B	0.2		314.8		124.4	38.9	478.3	
	MU-3C			0.3				0.3	
<b>IMC-BF-ASP(3A) Total</b>			<b>0.2</b>	<b>478.7</b>	<b>43.8</b>	<b>153.9</b>	<b>51.5</b>	<b>728.0</b>	

**Table 2 Continued**

<b>STATUS</b>	<b>LRUID</b>	<b>MUID</b>	<b>Stream</b>	<b>Upland</b>	<b>Water</b>	<b>Wetlands (F)</b>	<b>Wetlands (H)</b>	<b>Grand Total</b>	
Released by Hillsborough County	IMC-BF-ASP(4)	*		5.4		0.3		5.7	
		MU-1F		0.6				0.6	
		MU-3B		0.6					0.6
		MU-3C		263.2	0.7	33.0	22.3	319.2	
	<b>IMC-BF-ASP(4) Total</b>			<b>269.8</b>	<b>0.7</b>	<b>33.3</b>	<b>22.3</b>	<b>326.1</b>	
	IMC-BF-ASP(5)	*		2.8					2.8
		MU-1C		8.4					8.4
		MU-1F		135.4	1.1	4.4		140.9	
		MU-1G		0.7	<0.05	0.4		1.1	
		MU-2		0.2	0.4	0.3		0.9	
		MU-2A			2.5	0.1		2.6	
	<b>IMC-BF-ASP(5) Total</b>			<b>147.5</b>	<b>4.0</b>	<b>5.2</b>		<b>156.8</b>	
	IMC-BF-LB(1)	*		5.7			0.3	6.0	
		MU-3D		102.4		26.7	4.3	133.4	
	<b>IMC-BF-LB(1) Total</b>			<b>108.1</b>		<b>26.7</b>	<b>4.6</b>	<b>139.4</b>	
	IMC-BF-LB(2)	*		<0.05					
		MU 1H		20.4		1.0		21.4	
		MU-1F		404.4	10.3	114.4	55.6	584.7	
		MU-3D		3.5		1.7		5.2	
	<b>IMC-BF-LB(2) Total</b>			<b>428.3</b>	<b>10.3</b>	<b>117.1</b>	<b>55.6</b>	<b>611.3</b>	
	IMC-BF-SP(1A)	*		<0.05					
		MU 12		1.8				1.8	
		MU-1		3.5				3.5	
		MU-1F		0.1				0.1	
		MU-1G		420.4	113.4	0.7	18.3	552.8	
	<b>IMC-BF-SP(1A) Total</b>			<b>425.8</b>	<b>113.4</b>	<b>0.7</b>	<b>18.3</b>	<b>558.2</b>	
	IMC-BF-SP(2A)	*		3.8			0.2	4.0	
MU K			9.3				9.3		
MU L			<0.05			<0.05			
MU-1			191.7	3.7		1.8	197.2		
MU-1G			7.7			<0.05	7.7		
<b>IMC-BF-SP(2A) Total</b>			<b>212.5</b>	<b>3.7</b>		<b>2.0</b>	<b>218.2</b>		

**Table 2 Continued**

<b>STATUS</b>	<b>LRUID</b>	<b>MUID</b>	<b>Stream</b>	<b>Upland</b>	<b>Water</b>	<b>Wetlands (F)</b>	<b>Wetlands (H)</b>	<b>Grand Total</b>	
Released by Hillsborough County	IMC-BF-SP(3A)	*		7.2			1.3	8.5	
		MU L					<0.05		
		MU M		<0.05			<0.05		
		MU N		<0.05					
		MU-1		108.3				108.3	
		MU-1A		119.3			10.5	129.8	
		MU-1B		110.2			55.6	165.8	
		MU-1G		8.5				8.5	
	<b>IMC-BF-SP(3A) Total</b>				<b>353.5</b>			<b>67.4</b>	<b>420.9</b>
	IMC-BF-SP(6D)	MU-1B		45.5	0.1	0.7			46.3
		MU-1C		13.2		0.8			14.0
		MU-1G		0.6	<0.05	0.1			0.7
	<b>IMC-BF-SP(6D) Total</b>			<b>59.3</b>	<b>0.1</b>	<b>1.6</b>			<b>61.0</b>
	IMC-BF-SP(7A)	MU-1F		0.3					0.3
		MU-1G		13.6		0.7			14.3
		MU-2		29.1		<0.05			29.1
	<b>IMC-BF-SP(7A) Total</b>			<b>43.0</b>		<b>0.7</b>			<b>43.7</b>
	IMC-BF-SP(8B)	*		0.8					0.8
		MU 12		9.7					9.7
		MU-2A		7.9					7.9
		MU-2B		32.6					32.6
	<b>IMC-BF-SP(8B) Total</b>			<b>51.0</b>					<b>51.0</b>
	IMC-BF-SP(9D)	LMU 17		<0.05			<0.05		
		MU-3		41.1	<0.05	4.3	104.3		149.7
		MU-3A		<0.05	<0.05	<0.05			
	<b>IMC-BF-SP(9D) Total</b>			<b>41.1</b>			<b>4.3</b>	<b>104.3</b>	<b>149.7</b>

**Table 2 Continued**

<b>STATUS</b>	<b>LRUID</b>	<b>MUID</b>	<b>Stream</b>	<b>Upland</b>	<b>Water</b>	<b>Wetlands (F)</b>	<b>Wetlands (H)</b>	<b>Grand Total</b>
Released by Hillsborough County	ND	LMU 15		<0.05		<0.05		
		LMU 17				<0.05		
		MU K		0.8	0.1	6.4		7.3
		MU-1B		1.7				1.7
		MU-1C		7.7		2.7		10.4
		MU-1D		3.5		<0.05		3.5
		MU-1E		7.0		0.1	<0.05	7.1
		MU-1F		3.2				3.2
		MU-1G		5.7				5.7
		MU-2		5.7				5.7
		MU-2A		4.1		0.2		4.3
		MU-3		0.2		7.7		7.9
		MU-3A		4.1		<0.05		4.1
		MU-3B		2.8		4.8		7.6
		MU-3C		<0.05				
		MU-3D		6.1				6.1
<b>ND Total</b>				<b>52.6</b>	<b>0.1</b>	<b>21.9</b>		<b>74.6</b>
<b>Released by Hillsborough County Grand Total</b>			<b>0.2</b>	<b>3,717.2</b>	<b>275.2</b>	<b>547.9</b>	<b>394.8</b>	<b>4,935.2</b>

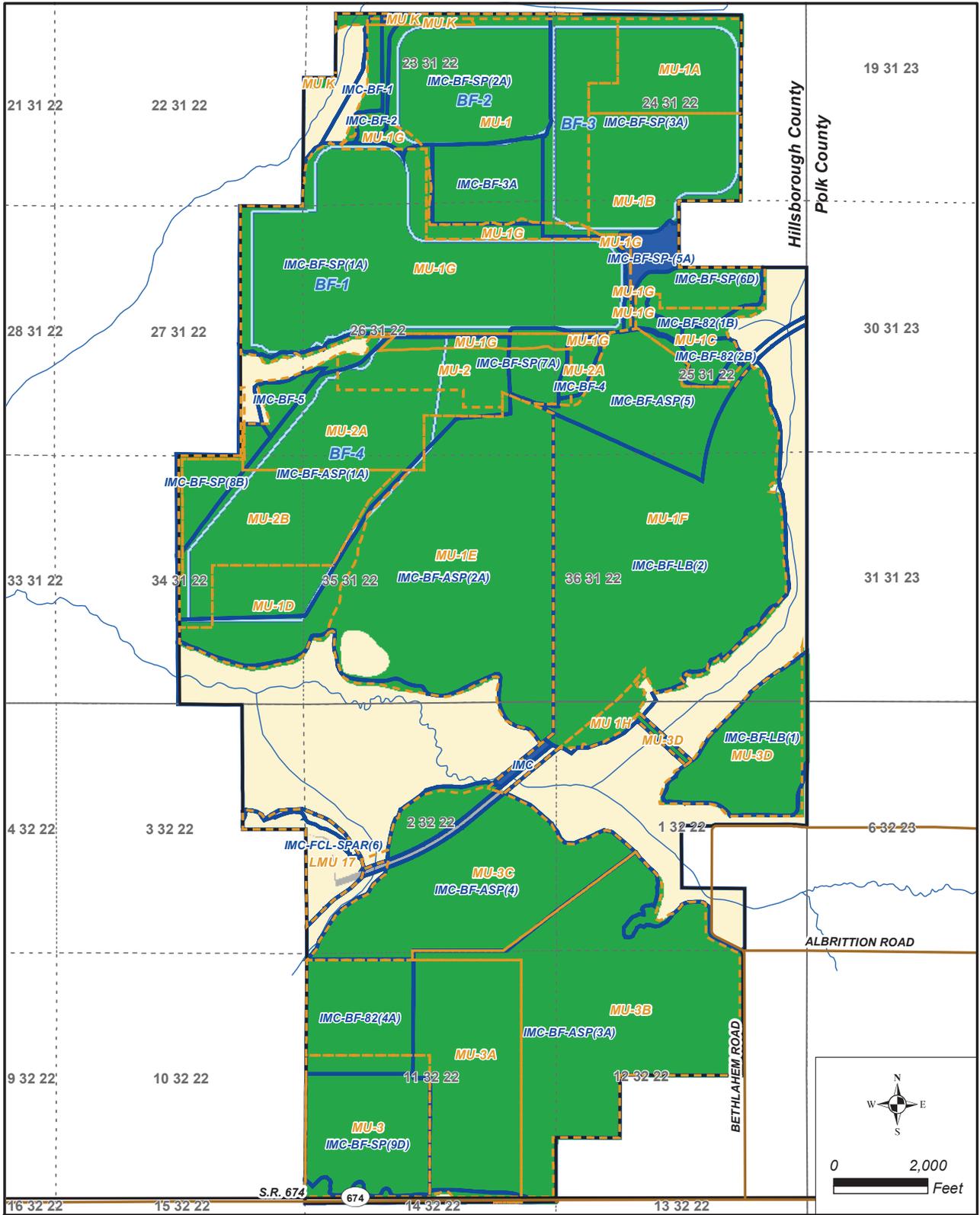
Mosaic requests reclamation releases outside of the annual report twice a year in the Spring and the Fall. Once approved by the Hillsborough County Board of County Commissioners (BOCC), these releases will be recorded in the Annual Reports. No LRUs are pending release or were released by Hillsborough County Development Services in Hopewell Mine this reporting year.

Please contact me if you have any questions or need additional information.

Sincerely,



Laney McGraw  
 Mine Permitting Specialist



**Legend**

- Right of Way
- State Roads
- Mining Unit Boundaries
- Big Four Mine
- Township / Range Lines
- LRU Boundaries
- Section Lines
- Rivers
- Clay Settling
- Released by Hillsborough County
- Release by Hillsborough County in Process
- Areas Mined or Disturbed and Not Reclaimed
- Big Four Tract - Not Mined



**BIG FOUR MINE**  
**HILLSBOROUGH COUNTY APPROVED RECLAMATION STATUS**  
**HILLSBOROUGH COUNTY ANNUAL REPORT**  
**7/1/24 TO 6/30/25**