

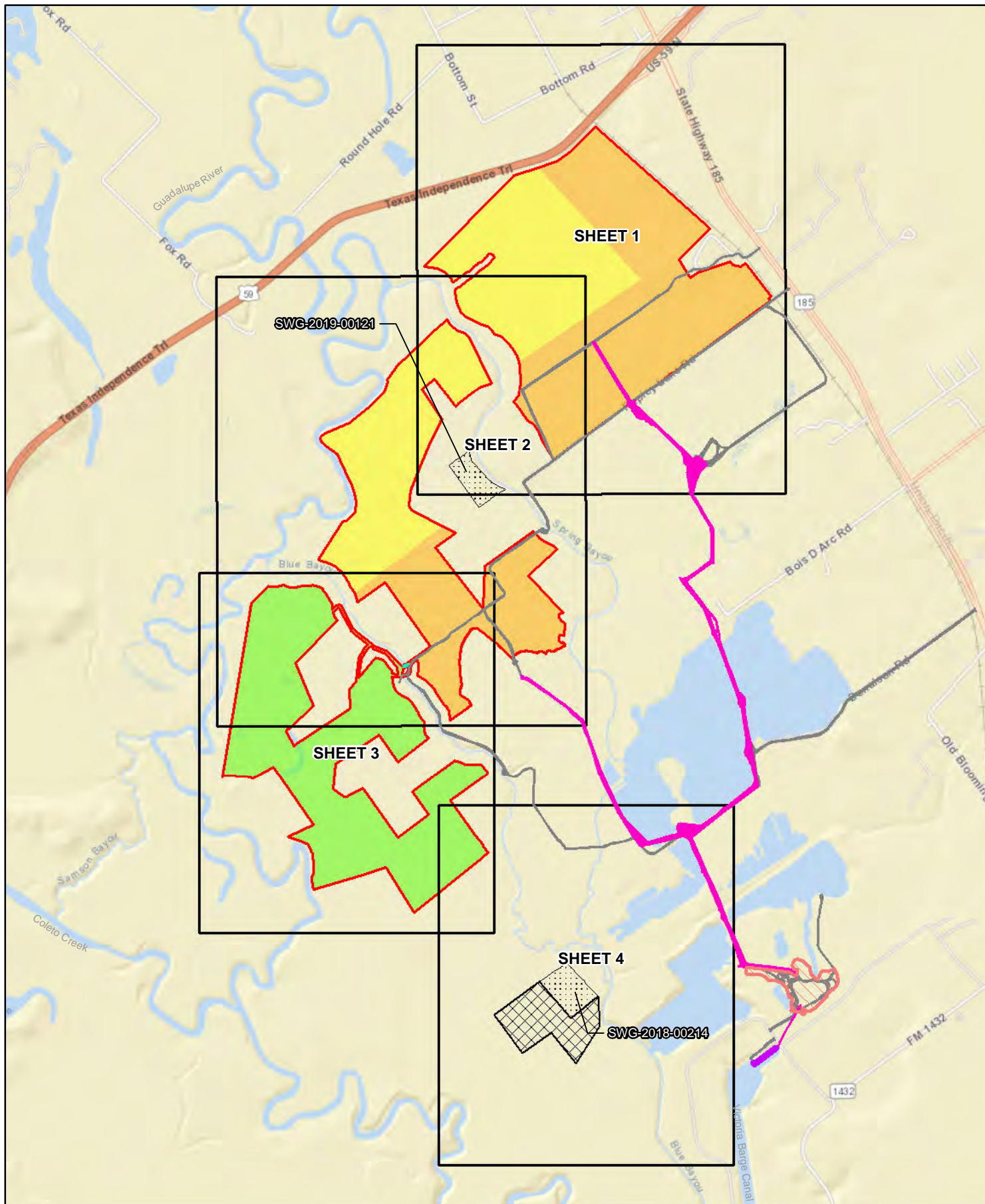
FORDYCE HOLDINGS, INC.
BRIGGS PLANT MINING
EXPANSION PROJECT
REF: SWG-2017-00120
 VICINITY MAP
 VICTORIA COUNTY, TEXAS
 FIGURE 1

- Project Area
- Existing USACE Approved PRM Site
- Proposed Wetland Mitigation Area
- Existing Fordyce Infrastructure
- County Boundary

1:160,000

Created By: K. Shields
 Project Number: 38064
 Date: 7/4/2020
 NAD 1983 StatePlane Texas South Central FIPS 4204 Feet

Scale: 0 0.5 1 1.5 2 2.5 Miles
 0 1 2 3 4 Kilometers



FORDYCE HOLDINGS, INC.
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REF: SWG-2017-00120
INDEX MAP
VICTORIA COUNTY, TEXAS
FIGURE 2

- Project Area
- Project Area by Approximate Mining Time Zone**
- Zone A (0-5 Years)
- Zone B (5-10 Years)
- Zone C (10+ Years)

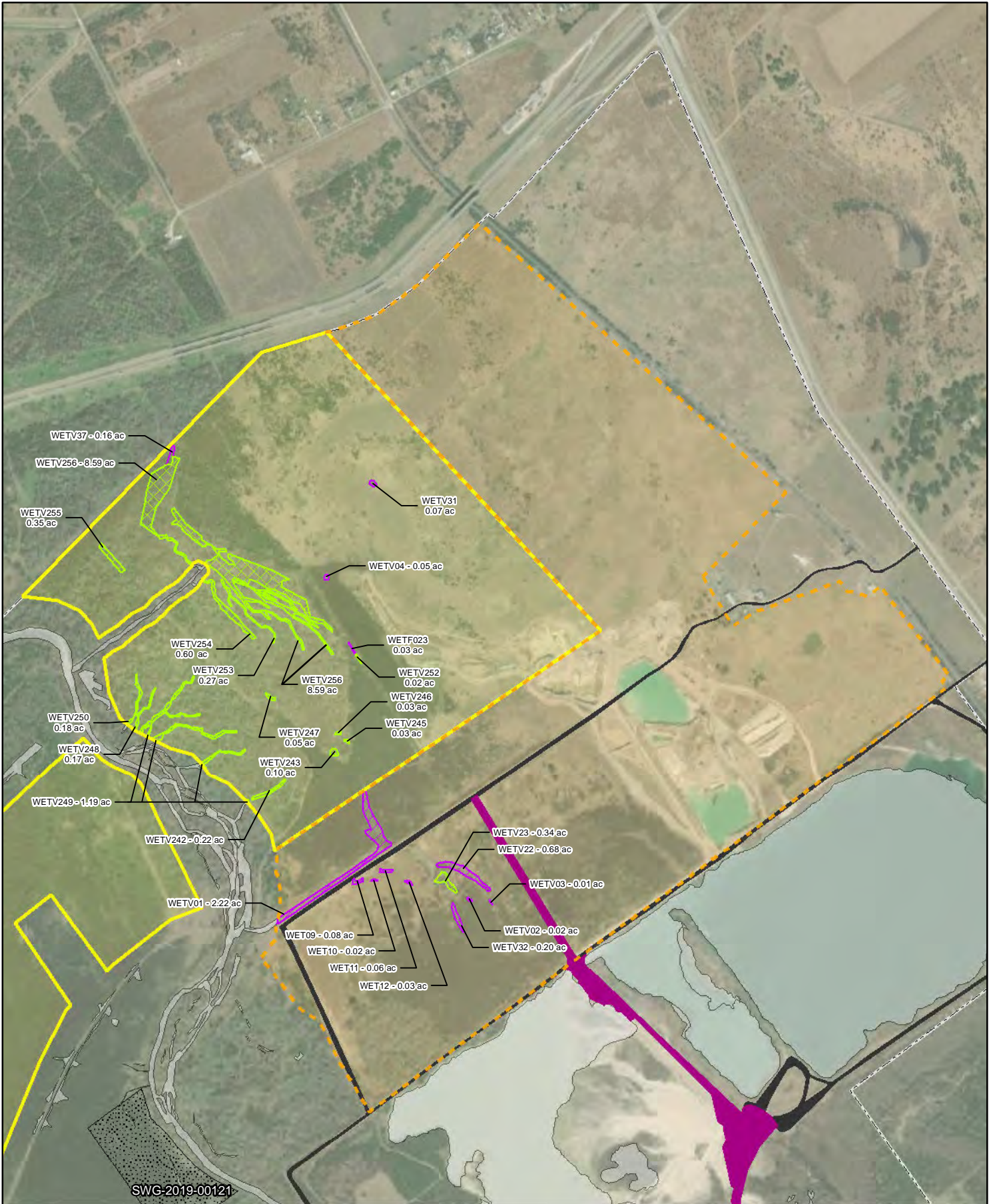
- Existing Fordyce Infrastructure**
- ▬ Barge Dock
- ▬ Processing Plant
- ▬ Access Road
- ▬ Conveyor Belt System (Belt Lines, Access Road & Power Supply)

- Figure 3 Sheet Coverage Area
- ▬ Proposed Bridge
- Existing USACE Approved PRM Site
- Proposed Wetland Mitigation Area



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 Project Number: 38064
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SWG-2019-00121



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BRIGGS PLANT MINING
EXPANSION PROJECT
REF: SWG-2017-00120
PERMIT DETAIL MAP
VICTORIA COUNTY, TEXAS

Project Area by Approximate Mining Time Zone
 Zone A (0.5 Years)
 Zone B (5-10 Years)
 Zone C (10+ Years)
Existing Fordyce Infrastructure
 Access Road
 Conveyor Belt System (Belt Lines, Access Road & Power Supply)

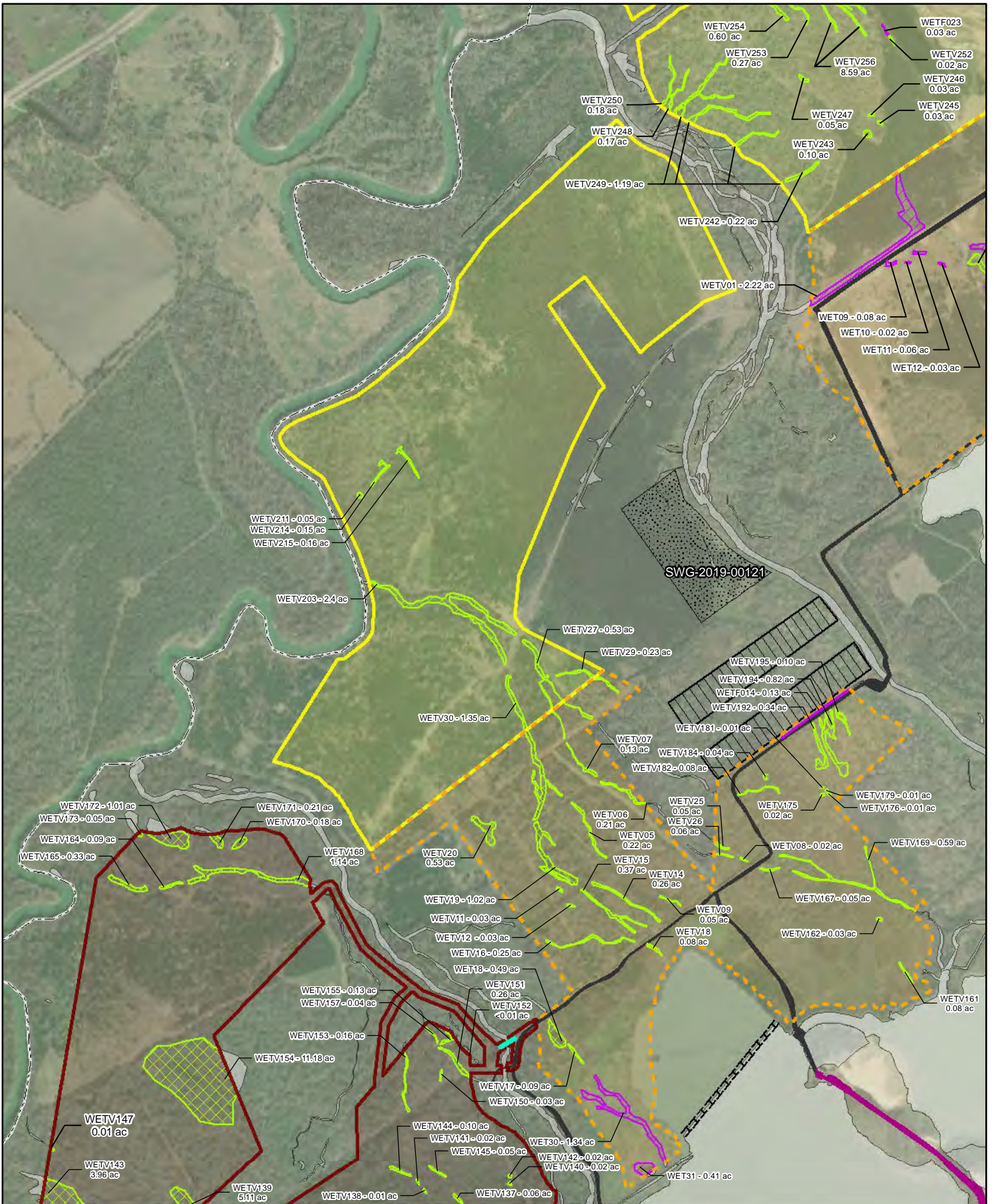
Non-Fordyce Property
 Proposed Bridge
 Survey
 Existing USACE Approved PRM
 Proposed Wetland Mitigation
 AJD Limits
 Project Area AJD Emergent Wetland
 Project Area AJD Forested Wetland
 AJD Waters Outside of Project Area within AJD

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 Created By: K. Shields
 Project Number: 38064
 Date: 7/4/2020
 NAD 1983 StatePlane Texas South Central FIPS 4204 Feet

SHEET 1 OF 4

FIGURE 3

*The mining time frames presented in this application are not intended to be static and will be subject to change based on various factors (e.g., weather, equipment malfunctions, depth of marketable aggregate at a specific location, staffing limitations, and aggregate demand). The proposed project has no hard completion time horizon.



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PERMIT DETAIL MAP
VICTORIA COUNTY, TEXAS

Project Area by Approximate Mining Time Zone

- Zone A (0-5 Years)
- Zone B (5-10 Years)
- Zone C (10+ Years)

Existing Fordyce Infrastructure

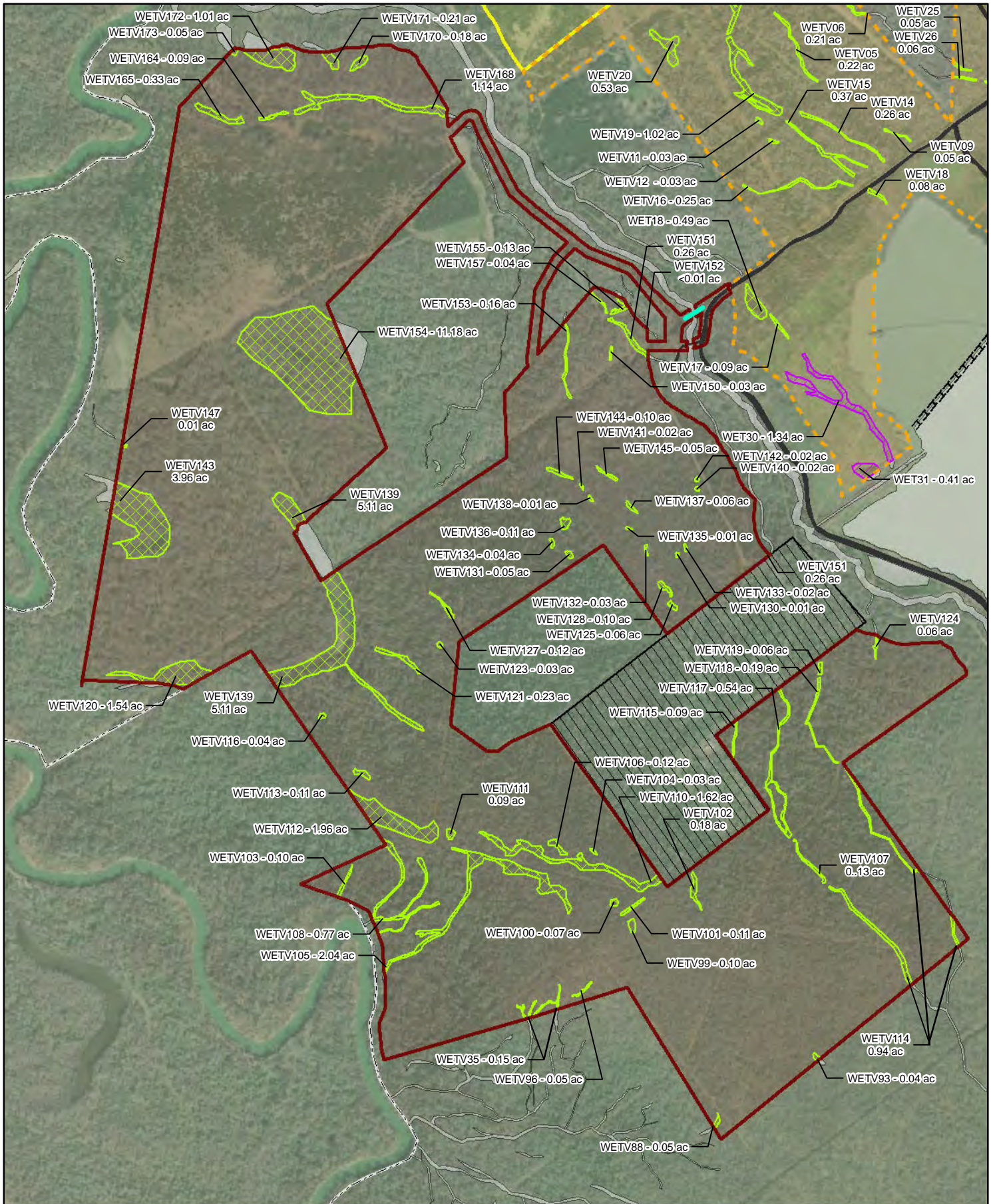
- Access Road
- Conveyor Belt System (Belt Lines, Access Road & Power Supply)

- Non-Fordyce Property
- Proposed Bridge
- Levee
- Existing USACE Approved PRM
- Proposed Wetland Mitigation
- AJD Limits
- Project Area AJD Emergent Wetland
- Project Area AJD Forested Wetland
- Existing USACE Approved PRM
- AJD Waters Outside of Project Area within AJD

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ENVIRONMENTAL CONSULTANTS

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REF: SWG-2017-00120
PERMIT DETAIL MAP
VICTORIA COUNTY, TEXAS
SHEET 3 OF 4

Project Area by Approximate Mining Time Zone

- Zone A (0-5 Years)
- Zone B (5-10 Years)
- Zone C (10+ Years)

Existing Fordyce Infrastructure

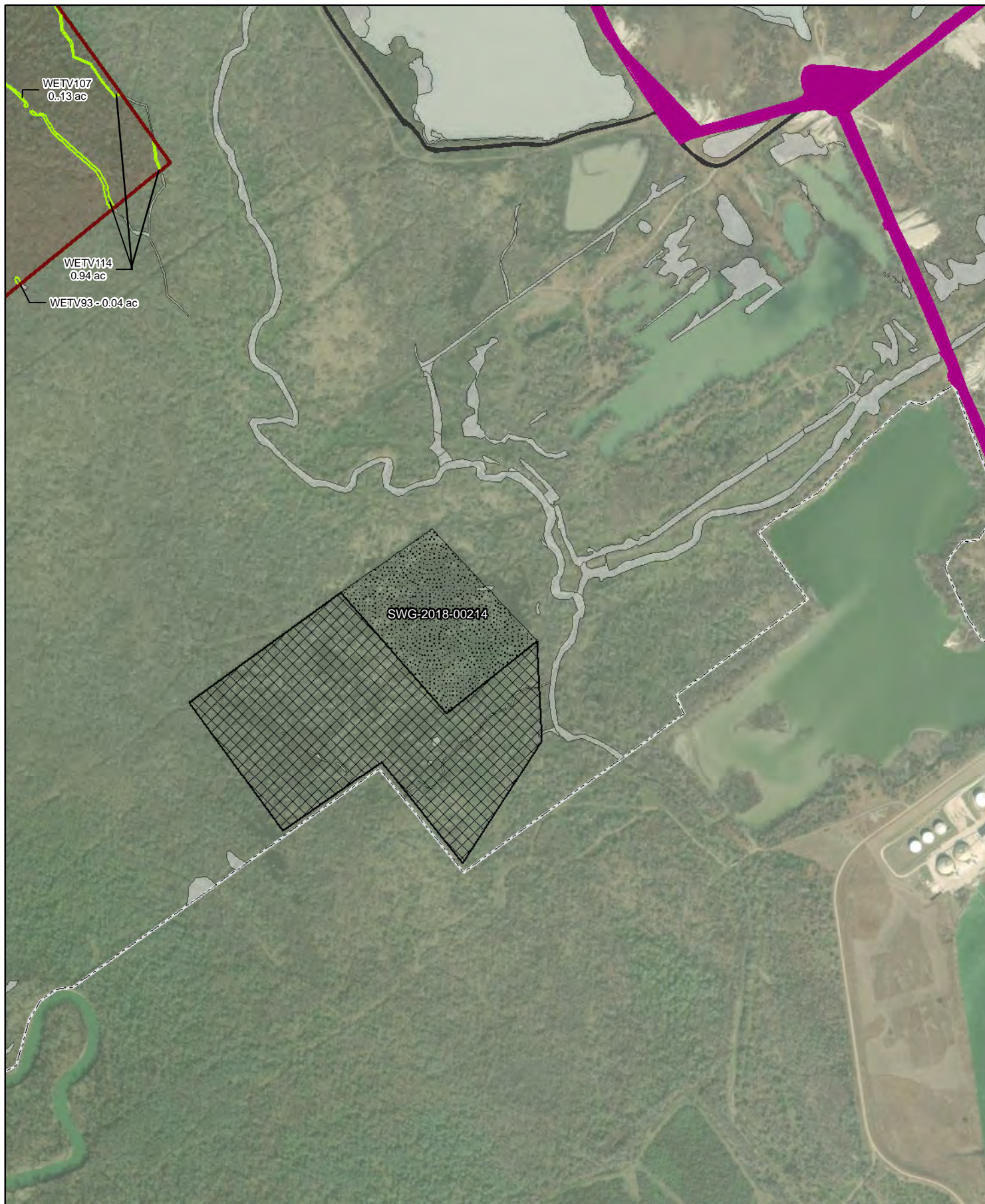
- Access Road
- Conveyor Belt System (Belt Lines, Access Road & Power Supply)

- Non-Fordyce Property
- Proposed Bridge
- Levee
- Existing USACE Approved PRM
- Proposed Wetland Mitigation
- AJD Limits
- Project Area AJD Emergent Wetland
- Project Area AJD Forested Wetland
- AJD Waters Outside of Project Area within AJD

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Created By: K. Shields
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NAD 1983 StatePlane Texas South Central FIPS 4204 Feet

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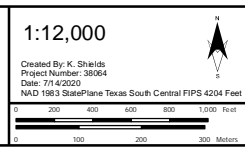


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BRIGGS PLANT MINING
EXPANSION PROJECT
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 PERMIT DETAIL MAP
 VICTORIA COUNTY, TEXAS
 SHEET 4 OF 4

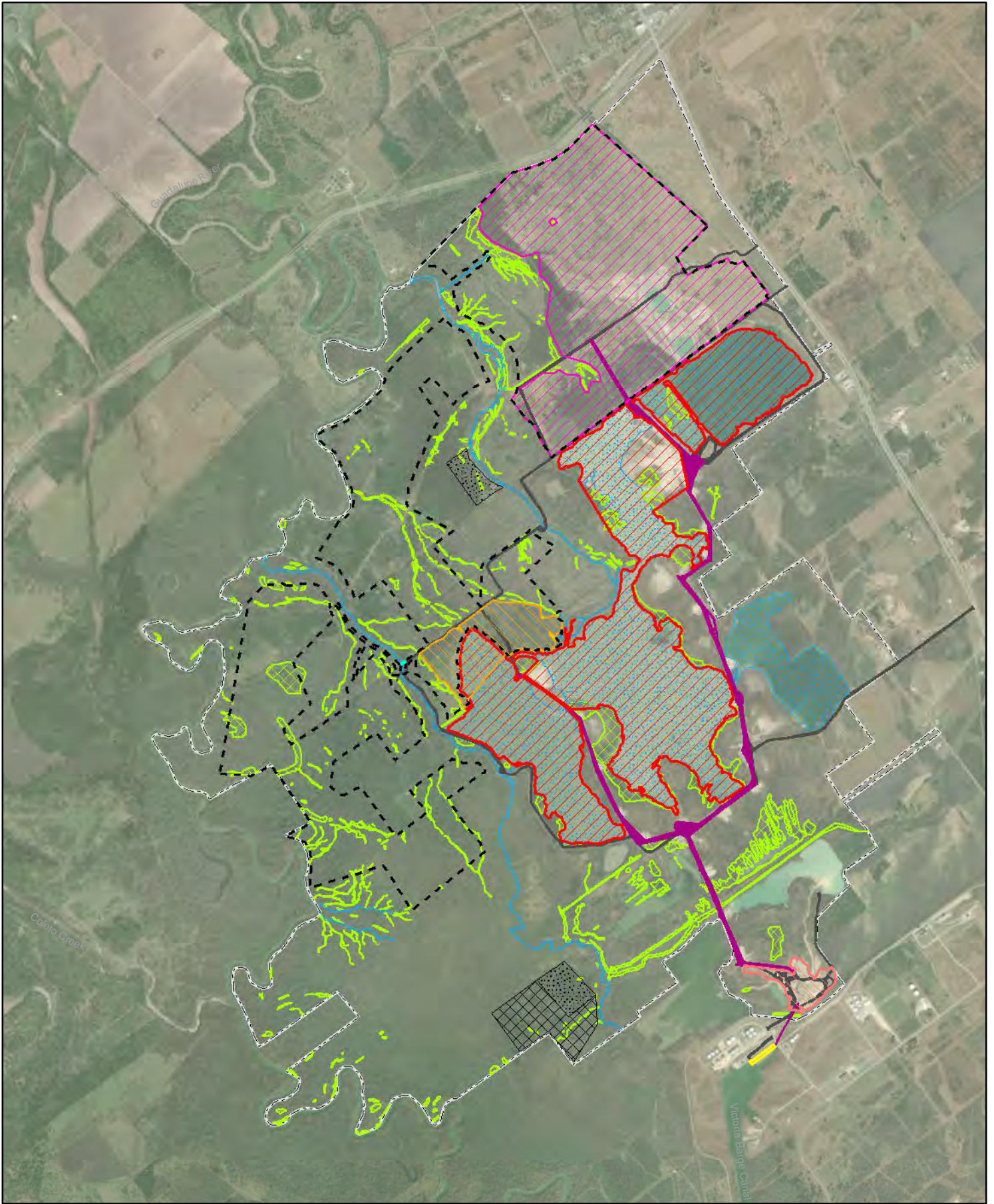
- Project Area by Approximate Mining Time Zone**
- █ Zone A (0-5 Years)
 - █ Zone B (5-10 Years)
 - █ Zone C (10+ Years)
- Existing Fordyce Infrastructure**
- █ Access Road
 - █ Conveyor Belt System (Belt Lines, Access Road & Power Supply)
- Legend**
- █ Non-Fordyce Property
 - ▬ Proposed Bridge
 - ▬ Levee
 - ▬ Existing USACE Approved PRM
 - ▬ Proposed Wetland Mitigation
 - ▭ A/D Limits
 - ▭ Project Area A/D Emergent Wetland
 - ▭ Project Area A/D Forested Wetland
 - ▭ A/D Waters Outside of Project Area within A/D

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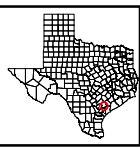


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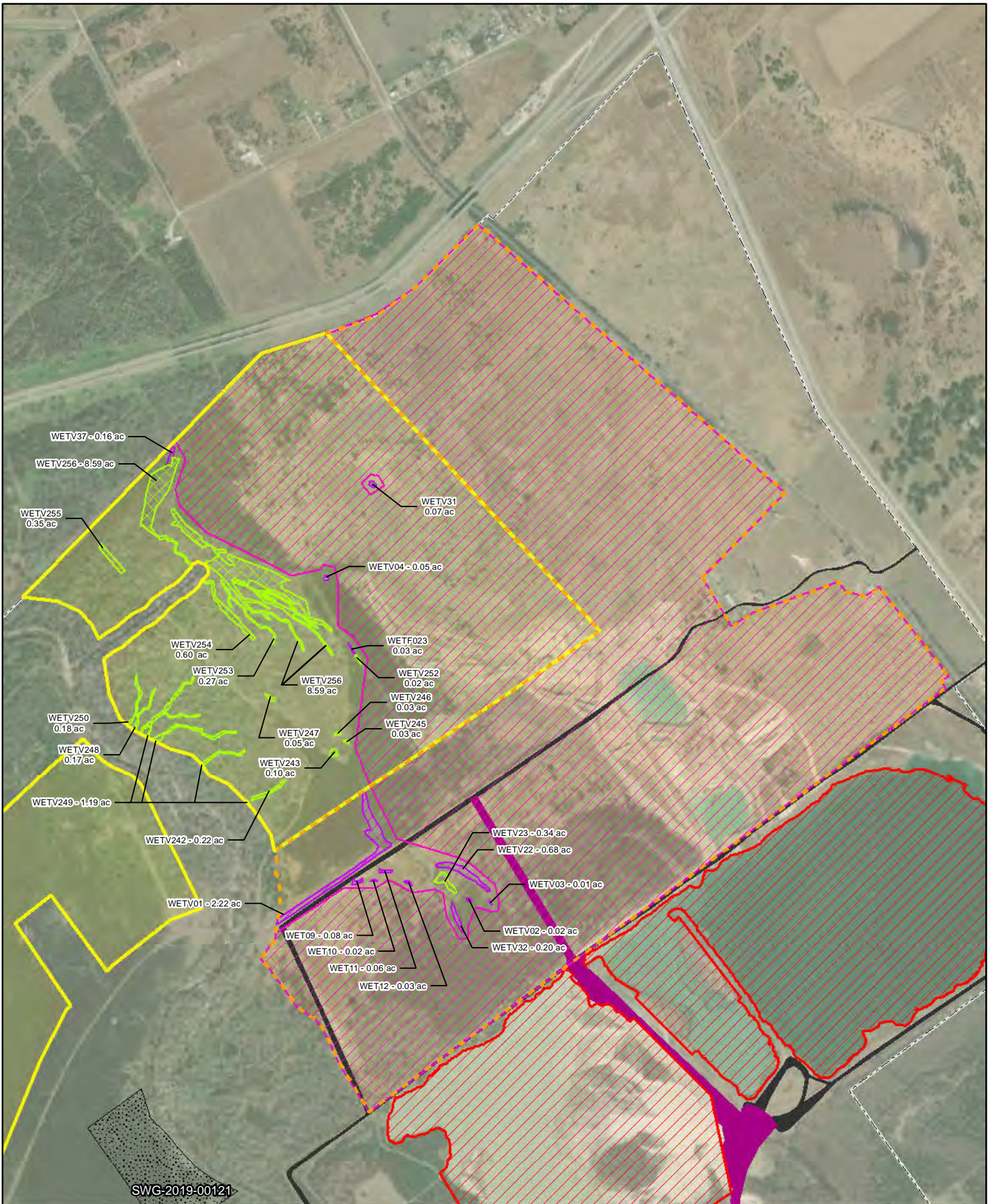
FORDYCE HOLDINGS, INC.
BRIGGS PLANT MINING EXPANSION PROJECT
REF: SWG-2017-00120
 SINGLE AND COMPLETE PROJECT REFERENCE MAP
 VICTORIA COUNTY, TEXAS
FIGURE 5

- | | | |
|------------------------------------|-----------------|---|
| Mining Expansion Project Area | AJD Limits | Existing Fordyce Infrastructure |
| Prior Enforcement Action Area | AJD Wetlands | Barge Dock |
| Existing USACE Approved PRM | AJD Waterbodies | Processing Plant |
| Proposed Wetland Mitigation Area | Proposed Bridge | Access Road |
| Levee Construction Activities Area | | Conveyor Belt System (Belt Lines, Access Road & Power Supply) |
| On-going Activities Area | | |



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SWG-2019-00121



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BRIGGS PLANT MINING
EXPANSION PROJECT
REF: SWG-2017-00120
SINGLE AND COMPLETE
REFERENCE DETAIL MAP
VICTORIA COUNTY, TEXAS

SHEET 1 OF 4

FIGURE 6

Project Area by Approximate Mining Time Zone*

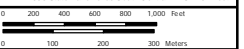
- Zone A (0-5 Years)
- Zone B (5-10 Years)
- Zone C (10+ Years)
- Existing Fordyce Infrastructure
- Access Road
- Conveyor Belt System (Belt Lines, Access Road & Power Supply)

- Non-Fordyce Property
- Proposed Bridge
- Levee
- Prior Enforcement Action Area
- Levee Construction Activities Area
- On-going Activities Area

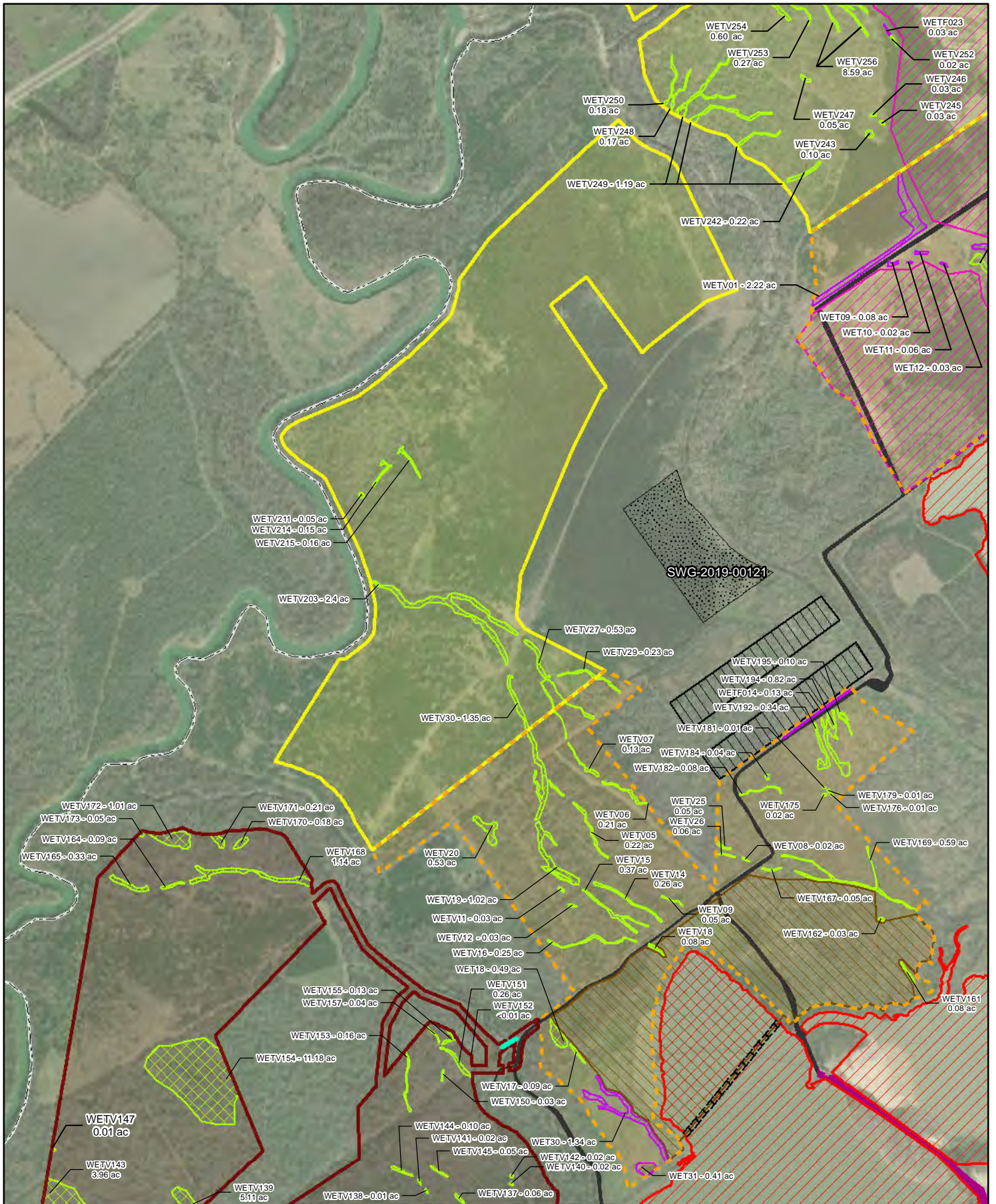
- AJD Limits
- Project Area AJD Emergent Wetland
- Project Area AJD Forested Wetland
- Existing USACE Approved PRM Site
- Proposed Wetland Mitigation Area

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Created By: K. Shields
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 VICTORIA COUNTY, TEXAS

Project Area by Approximate Mining Time Zone*

- Zone A (0-5 Years)
- Zone B (5-10 Years)
- Zone C (10+ Years)

Existing Fordyce Infrastructure

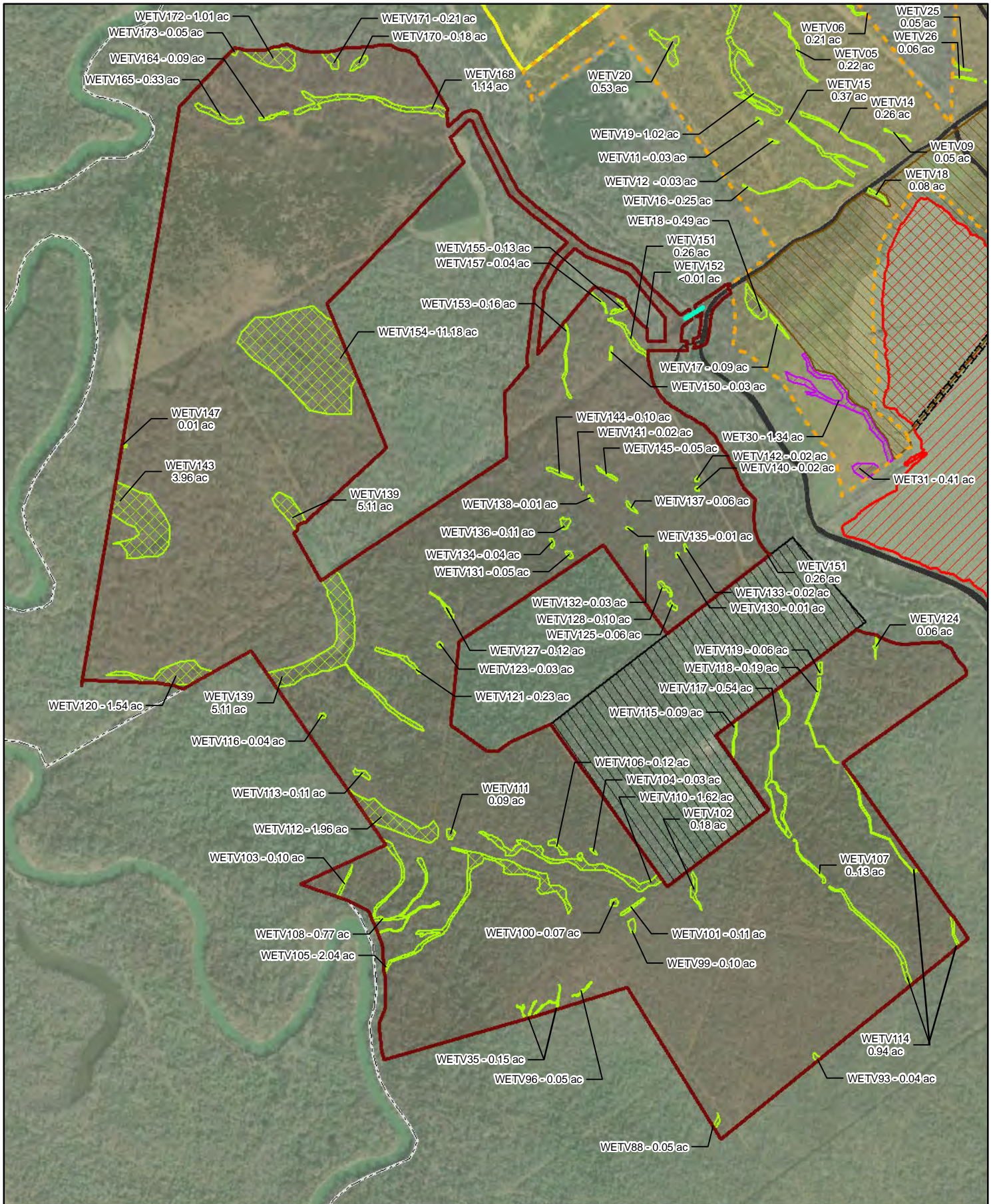
- Access Road
- Conveyor Belt System (Belt Lines, Access Road & Power Supply)

- Non-Fordyce Property
- Proposed Bridge
- Levee
- Prior Enforcement Action Area
- Levee Construction Activities Area
- On-going Activities Area
- AJD Limits
- Project Area AJD Emergent Wetland
- Project Area AJD Forested Wetland
- Existing USACE Approved PRM Site
- Proposed Wetland Mitigation Area

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Project Area by Approximate Mining Time Zone*

- Zone A (0-5 Years)
- Zone B (5-10 Years)
- Zone C (10+ Years)

Existing Fordyce Infrastructure

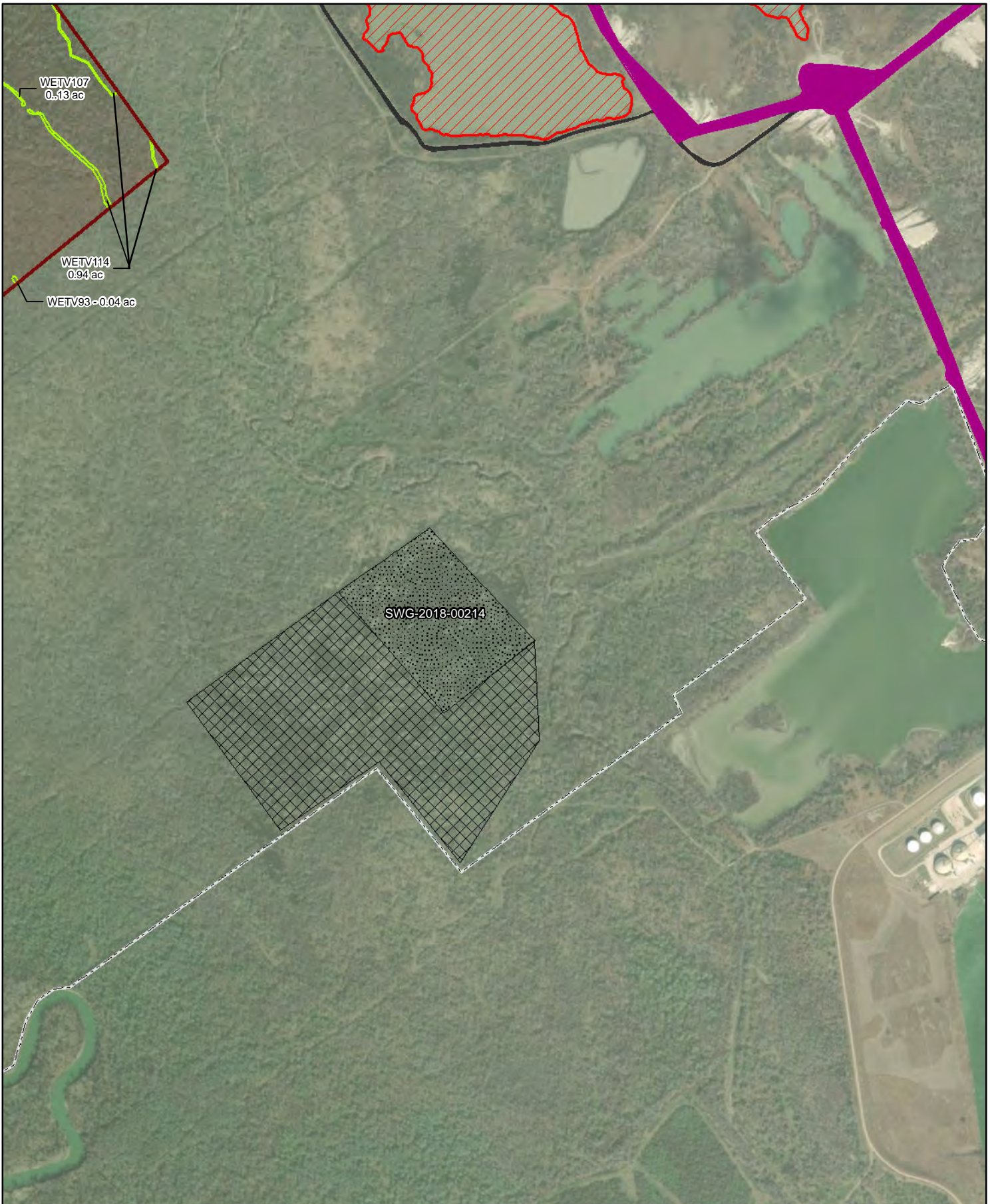
- Access Road
- Conveyor Belt System (Belt Lines, Access Road & Power Supply)

- Non-Fordyce Property
- Proposed Bridges
- Levee
- Prior Enforcement Action Area
- Levee Construction Activities Area
- On-going Activities Area
- AJD Limits
- Project Area AJD Emergent Wetland
- Project Area AJD Forested Wetland
- Existing USACE Approved PRM Site
- Proposed Wetland Mitigation Area

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Project Area by Approximate Mining Time Zone*

- Zone A (0-5 Years)
- Zone B (5-10 Years)
- Zone C (10+ Years)

Existing Fordyce Infrastructure

- Access Road
- Conveyor Belt System (Belt Lines, Access Road & Power Supply)

- Non-Fordyce Property
- Proposed Bridge
- Levee
- Prior Enforcement Action Area
- Levee Construction Activities Area
- On-going Activities Area
- AJD Limits
- Project Area AJD Emergent Wetland
- Project Area AJD Forested Wetland
- Existing USACE Approved PRM Site
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Representative aerial view of proposed land clearing and earth leveling to be performed during initial stages of mining expansion.



Representative bulldozers, scarpers, and similar heavy equipment to be used to clear and level the land to be mined next.



Representative view of planned clearing and leveling. Any wetlands present will be permanently filled during this stage. Once cleared, the land is ready for dredge mining.



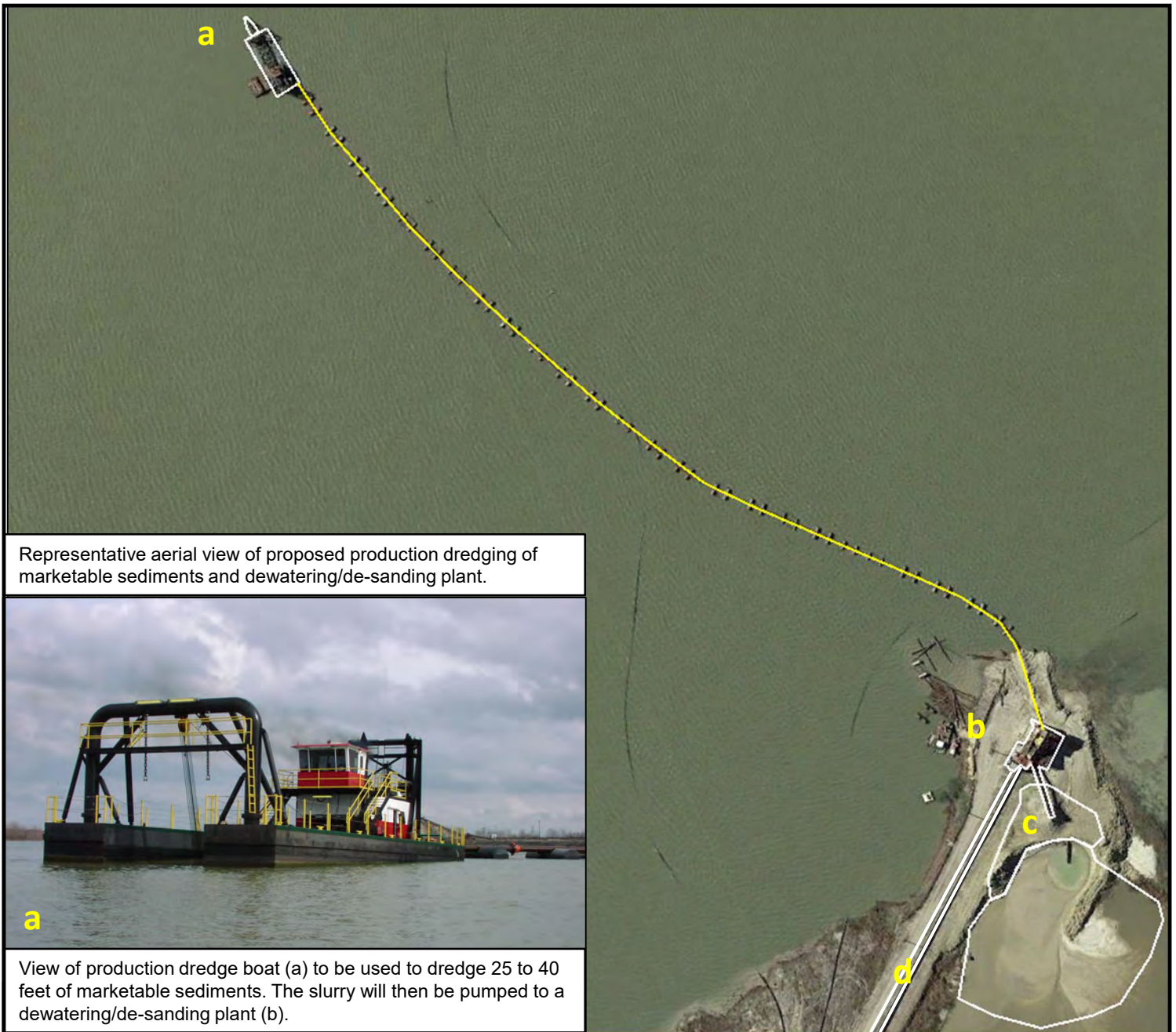
Representative aerial view of proposed overburden removal stage. During this stage, a stripping hydraulic dredge (a) will remove 12 to 15 feet of overburden and redeposit/discharge the overburden (b) back into mining pits near areas that are being dredged/mined.



View of the stripping dredge boat to be used to remove overburden.



Representative view of proposed redeposition/discharge of overburden back into mining pits.



Representative aerial view of proposed production dredging of marketable sediments and dewatering/de-sanding plant.



View of production dredge boat (a) to be used to dredge 25 to 40 feet of marketable sediments. The slurry will then be pumped to a dewatering/de-sanding plant (b).



Representative view of a dewatering/de-sanding plant (b).



Representative view of proposed dewatering and redeposition/discharge (c) of unmarketable sediments (e.g., fine sand, silt and clay) back into mining pits at a dewatering/de-sanding plant (b). Marketable sediments will then be transported to the existing processing plant via a conveyor belt system (d).



Representative view of existing and proposed conveyor belt system (i.e., belt line, access road, and power supply) (a) to be used to transport the marketable sediments to the existing processing plant (b).



View of the existing processing plant (b) where the material will be washed, separated, sized, and crushed as necessary to meet customer specifications.

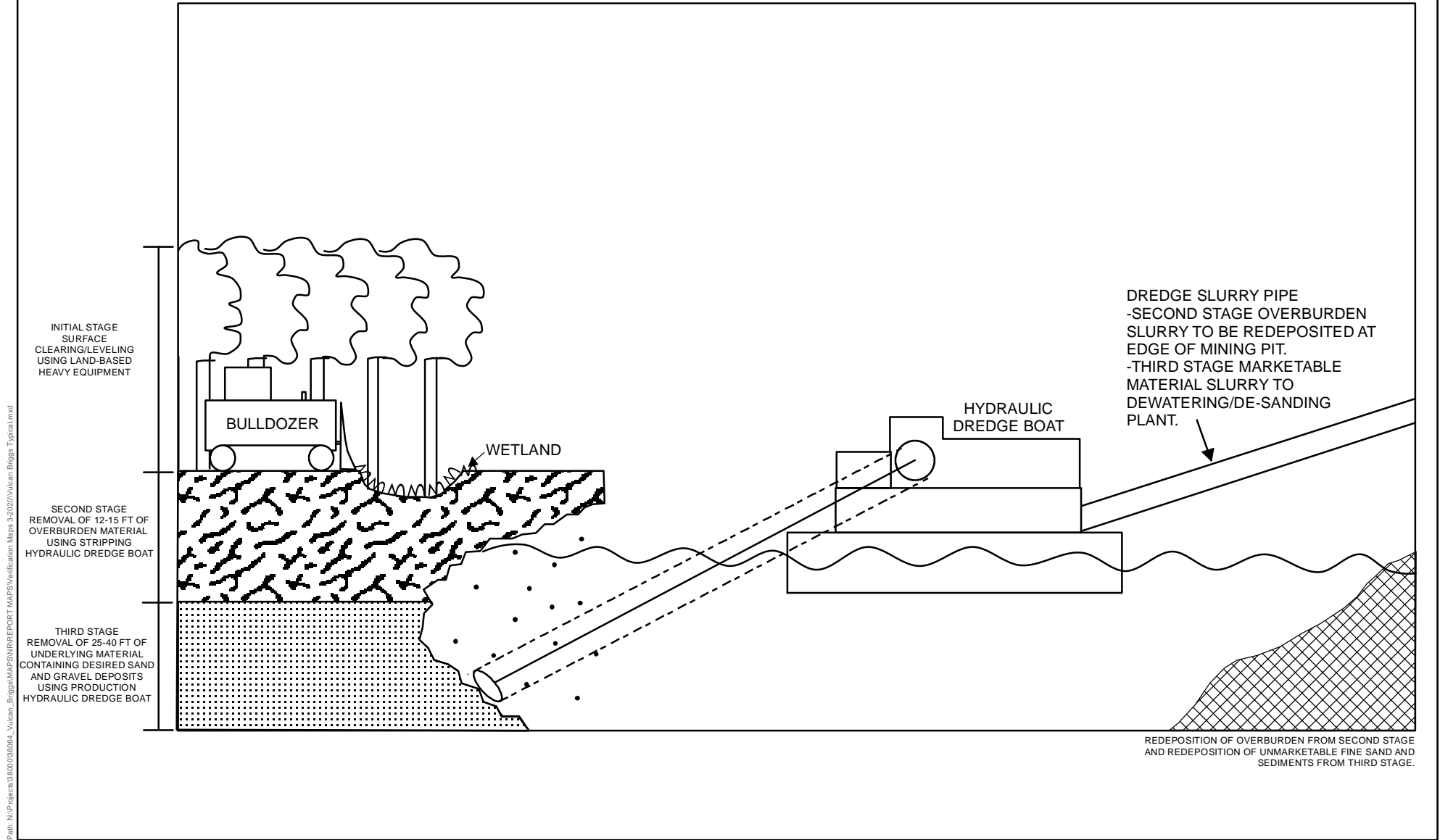


View of the existing conveyor belt system (c) to be used to transport finished material from the plant to the existing Fordyce dock (d).



View of the Fordyce dock (d) at the north end of the Victoria barge canal, where finished material will be loaded onto customer barges using existing gantry.

Aerial view of existing Fordyce infrastructure (i.e., conveyor belt system (a & c), processing plant (b), and barge dock (d)) to be used to transport, process, and deliver finished material.



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FORDYCE HOLDINGS, INC.
 BRIGGS PLANT SAND AND GRAVEL MINING EXPANSION PROJECT
 VICTORIA COUNTY, TEXAS
 FIGURE 2

MINING EXPANSION TYPICAL CROSS SECTION

Created By: A. Brown
 Project Number: 38064
 Date: 4/22/2020

N.T.S