

Permit No. D08-39 AAA
A.I. No. 37197

STATE OF MISSISSIPPI

Application No. A1703AAA

APPLICATION TO AMEND AN EXISTING PERMIT

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY / MINING & RECLAMATION DIVISION

P. O. Box 2279

Jackson, Mississippi 39225-2279

(601) 961-5515

Fax (601) 961-5521

For Office use only

Other permits required: Y/N Date
NPDES _____
State Operating Permit _____
Corps of Engineers _____

City/County approval
Required Yes _____ No _____
Received Date: _____
County _____
City _____

A. GENERAL INFORMATION

Existing Permit No. P08-039AA Current Acreage 180

1.. Name of Applicant: W.G. Yates Construction D.B.A Baldwin Sand & Gravel

Mailing Address: P.O. Box 456 Philadelphia, MS 39350

E-mail Address: hsterling@wgates.com

Phone No. 601-260-2425 Fax No. _____

Authorized Representative Hamp Sterling

2. Engineering Firm, Consultant, etc.: _____

Mailing Address: _____

E-mail Address: _____

Phone No. _____ Fax No. _____

3. Name of Mine: Lowndes Co Pit #3 Mine Supervisor: Anthony Wilkerson

Phone No. 601-966-6640 Fax No. _____

4. Location of Operation (to nearest quarter-quarter section):

NW 1/4 S5 18S R17W Lowndes
Section Township Range County

5. Physical address or nearest named road Harrison Road

6. Type of Amendment

☒ Amendment to Expand Operation ☐ Amendment not involving an acreage change

7. Method of Operation

☒ Open Pit ☐ Strip ☐ Dredge ☒ Wash Operation, if so Water Source Rain Water
Wash System Type ☒ Closed system ☐ Open system

8. Acres of new excavation → 27.5

New haul roads, plant site,
storage piles, etc. → 0.5

Total new acreage → 28

Number of acres already permitted → 180

Total acres for amended permit → 208

Materials to be mined Sand and Gravel

9. Is the Permit Area located: Yes No
a. within 100 feet of a public road? _____ X
b. within 100 feet of a cemetery? _____ X
c. within 300 feet of an occupied building? _____ X

If YES to a, b, or c, a letter must be filed with the Office giving permission from the owner or maintaining authority to mine within these distances to the subject property.

10. Has the applicant applied for, or have, any other permits or licenses that pertain to this or any other mining operation? Yes X No

If "YES," list them in the space provided on page 5, or attach separate pages, and give the current status of each, including any violations or penalties.

B. MINING PROCEDURE AND ENVIRONMENTAL ANALYSIS

- | | |
|---|--|
| 1. Description of materials: | 2. Anticipated Schedule (month/year) |
| Thickness of overburden <u>5</u> ft.
(Topsoil MUST be stockpiled
for use during reclamation) | Begin clearing <u>01</u> / <u>2020</u> |
| Thickness of useable material <u>25</u> ft. | Begin mining <u>04</u> / <u>2020</u> |
| Total depth of excavation <u>30</u> ft. | Complete mining <u>12</u> / <u>2022</u> |
| Estimated annual production <u>100,000</u> tons | Begin reclamation <u>06</u> / <u>2023</u> |
| | Complete reclamation <u>12</u> / <u>2025</u> |
3. Depth to ground water: 45 ft.
4. How will dust be controlled?
- ☒ Water on haul roads
- ☐ _____
5. Types of erosion control structures that will be utilized.
- ☒ Settling ponds ☒ Drainage ditches
- ☒ Diversion berms ☐ Terraced slopes
- ☐ _____
6. Describe the land to be affected by mining as it presently exists:
- a. Land use farming/timber b. Predominant vegetation crop/pine trees
7. Will explosives be used? Yes X No
8. Is test-boring data available? Yes X No
9. Are toxic materials likely to be encountered at any time? Yes X No
10. Will there be any discharge to local streams or other bodies of water? Yes X No

If any of questions 7-10 are answered "YES," provide additional information on page 5, or attach separate pages.

C. RECLAMATION PLAN

NOTE: It is suggested that the county NRCS office be consulted for specific recommendations on the following items.

1. Describe the soil handling technique for the reclamation phase of the operation:
- ☒ Topsoil segregated ☐ Mixed strata ☐ _____
2. Describe the protection method for the stockpiled topsoil.
- ☐ berm around the storage pile
- ☒ grass cover on the pile (recommended)
- ☐ stored under a cover
- ☐ _____
3. How will highwalls, standing faces, and banks be reduced to minimize erosion? (All highwalls must be sloped, minimum 3 horizontal to 1 vertical.)
- ☐ slopes will be terraced
- ☒ sloped to a gradient of 3 to 1
- ☒ blended with surrounding contours
- ☐ _____

4. What is the general plan for reclamation?

- ☐ reforestation
☒ establish grass cover
☒ pond or lake
☐ _____

5. What planting method will be used?

- ☒ broadcast seed ☐ mechanical seeding
☐ seeding by manual labor
☐ _____

6. How will fertilizer and lime be applied and incorporated?

- ☐ harrowing ☒ broadcasting ☐ disking

7. Quantity of lime and fertilizer to be applied?

a. For initial planting

lime: 1.5 tons per acre

fertilizer: 13 - 13 - 13 (type) 400 pounds per acre

b. For successive years prior to 100% release

fertilizer: 13 - 13 - 13 (type) 200 pounds per acre

when: May-June (month)

8. Describe the planting schedule:

Tree or Seed Species	Tree spacing or lbs./acre	Planting Season
<u>Bermuda</u>	<u>25</u>	<u>June - August</u>
<u>Clover</u>	<u>30</u>	<u>Sept - April</u>
_____	_____	_____
_____	_____	_____

9. Will the area be mulched? Yes ☒ No If yes, rate per acre _____

Method of holding in place: ☐ crimped ☐ _____

10. How will the vegetation be maintained until the final bond release?

- ☐ watering
☒ mowing
 times per year _____
 approximate month(s) _____, _____, _____
☒ repairing gullies
☒ replanting eroded areas
☐ _____

11. How will debris be disposed of when the mine is finally closed?

- ☐ burying ☐ burning ☒ hauling away

12. Will a soil analysis be submitted for this site? Yes ☒ No

NOTE: available from the Cooperative Extension Service through the applicant's County Agent

13. Estimated cost per acre for reclamation of this site: \$1000.00 (minimum of \$1,000 per acre)

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D. NAMES AND ADDRESSES OF PERSONS AFFECTED BY THIS OPERATION

1. Landowner(s) of area to be mined/leased

Name: John V. & Don C. Gilmer
Address: 5120 Ridge Road
Columbus, MS 39701
Phone: 601-328-9264

Name: _____
Address: _____

Phone: _____

2. Landowner(s) within 500 feet of the area

Name: Nancy A Cash
Address: P.O. Box 2615
Columbus, MS 39704
Phone: _____

Name: Joe L Shuffield
Address: 2437 5th Ave NW
Fayette, AL 35555
Phone: _____

Name: David M Shaw
Address: P.O. Box 747
Millport, AL 35576
Phone: _____

Name: Kuk Sung Song
Address: 15 Seoul Rd
Columbus, MS 39702
Phone: _____

3. Person(s) living on permit area

Name: _____
Address: _____

Phone: _____

Name: _____
Address: _____

Phone: _____

I declare that I have knowledge of the facts presented in the preceding pages and in all of the items attached to this application; furthermore, I certify that they are true to the best of my knowledge.

9/13/19
date


signature
Harry Sterling
printed name
Corp. Env. Mgr
title

E. ADDITIONAL COMMENTS

Item Number	Space for detailed answers to any of the previous items. Indicate item number to which the answers apply.	
	Additional Land Owners within 500 Ft:	
	Louise S Cooper 3951 Hwy 50 E Columbus, MS 39702	Louis R/ Mona G Pernia 4569 HWY 50 E Columbus, MS 39702
	Shelia K Robinson 561 Eulie Dr. Columbus, MS 39702	Dorothy M Washington 425 Eulie Dr. Columbus, MS 39702
	Barry L /Josephine Sherrod 441 Eulie, Dr. Columbus, MS 39702	Aaron / Tonya Brooks 440 Eulie Dr. Columbus, MS 39702
	See attached additional permits.	

If more space is required, use full sheets of paper the same size as this page. Attach all sheets to this application.

to this application.

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W. G. Yates Construction Co.
Open Permitted Pits

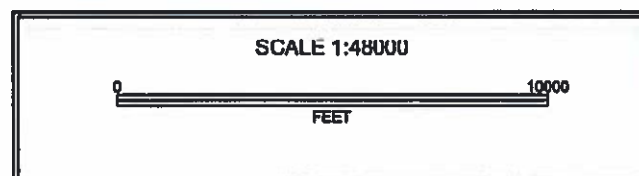
PIT PERMIT #	EXPIRATION	GENERAL #	Company	MINE NAME	LOCATION	STATUS	DESCRIPTION
P92-098AA	11/19/2017	MSR320027	Baldwin	Monroe County Pit #1	Hwy 45 Monroe County	100% (closed 12/13/2016)	225 ac Gravel Wash
P08-039A	3/31/2023	MSR321769	Baldwin	Lowndes County Pit #3	Cotton Field, Columbus	0% Active	150 Gravel Wash
P02-046ATA	3/31/2023	MSR321103	Baldwin	Chisolm Pit (Coxburg)	Coxburg, Holmes Co.	0% Active	170 ac Gravel wash
P02-013AA	3/31/2023	MSR321012	Baldwin	Hazlehurst Pit #1	Hwy 28, Copiah County	10% Active	250 ac Surface Mine
P14-011A	3/31/2023		Baldwin	Hazlehurst Pit #2	Hwy 28, Copiah County	0% Active	150 ac Surface Mine
P87-045T	3/31/2023	MSR320677	Yates	Jackson County Pit #1	Jackson County, MS	70% 4/10'	35 ac Dry Sand Pit
P12-019AA	3/31/2023	MSR322212	Baldwin	Panola County Pit #1	Batesville, MS	Acres reduce to 40 11/6/18	40 Acre Gravel wash
P13-004T	8/31/2018	MSR322265	Yates	HBCC Desoto	Byhalia, Desoto Co. Ms	100% (closed 8/14/2018)	9 ac borrow
P13-008T	7/25/2019	MSR322274	Yates	Bendal	Byhalia, Desoto Co. Ms.	100%(closed 8/14/2018)	16 ac borrow
P14-004	5/6/2019	MSR322387	Yates	Short Creek	Byhalia, Desoto Co. Ms	100%(closed 6/23/2018)	22.82 ac borrow

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Prepared by Hamp Sterling

Updated on 8/27/2019

Pit list update 1-2-2019



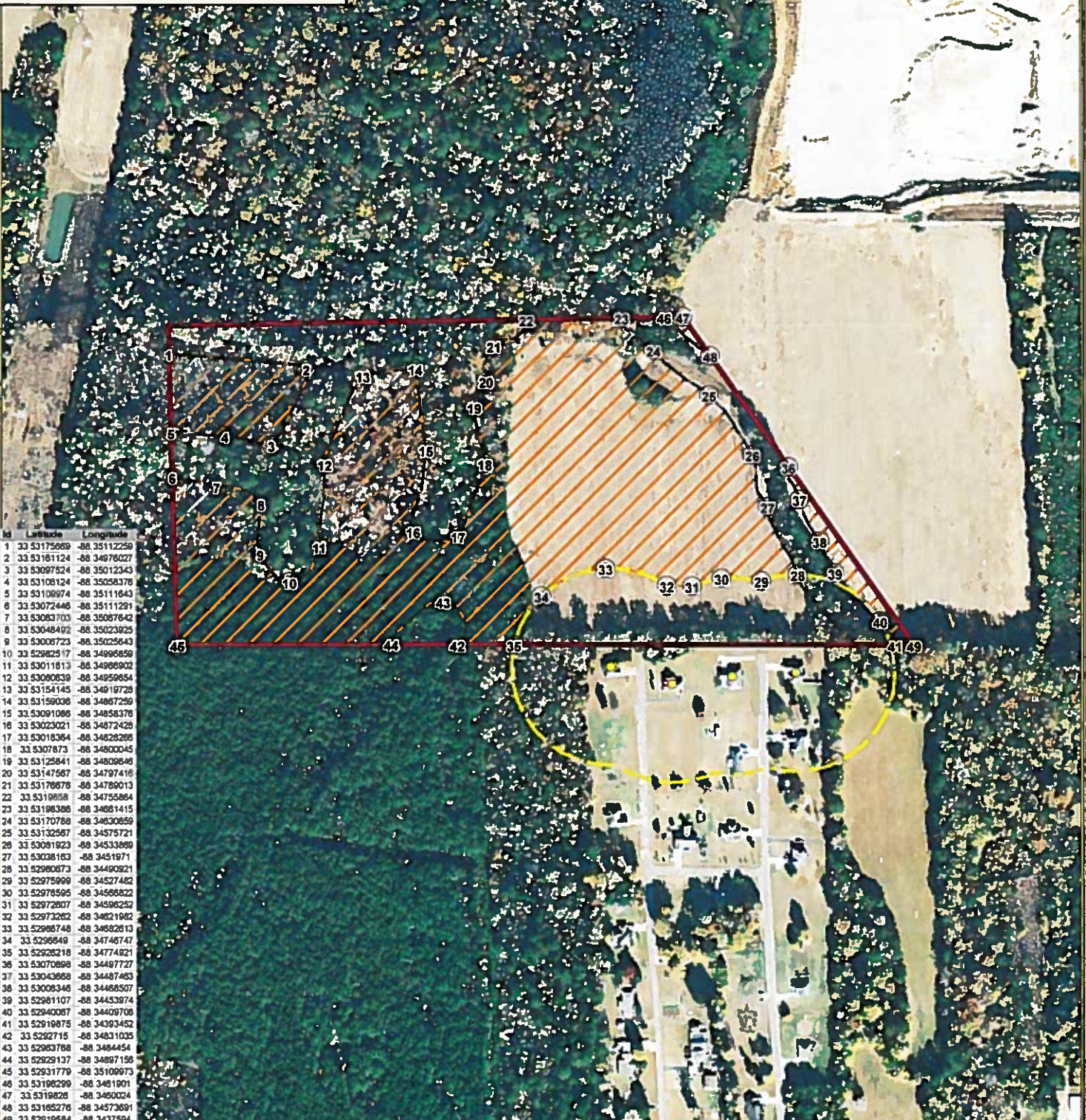
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Map #2 General Site Plan

- Mining Coordinates
- Dwellings
- ▭ Project Area (43.13 ac)
- ▭ 300' Buffer
- ⌈ 50' Buffer Radius
- ▨ Proposed Surface Mine Expansion (27.17 ac)



HEADWATERS INC.
NATURAL RESOURCES CONSULTING
WWW.HEADWATERS-NC.COM

Date Created: 6/19/2019 Created by: JDL

Baldwin Sand and Gravel
Sections 5 & 6, Township 18S, Range 17W
Lowndes County, Mississippi
Mining Coordinate Map

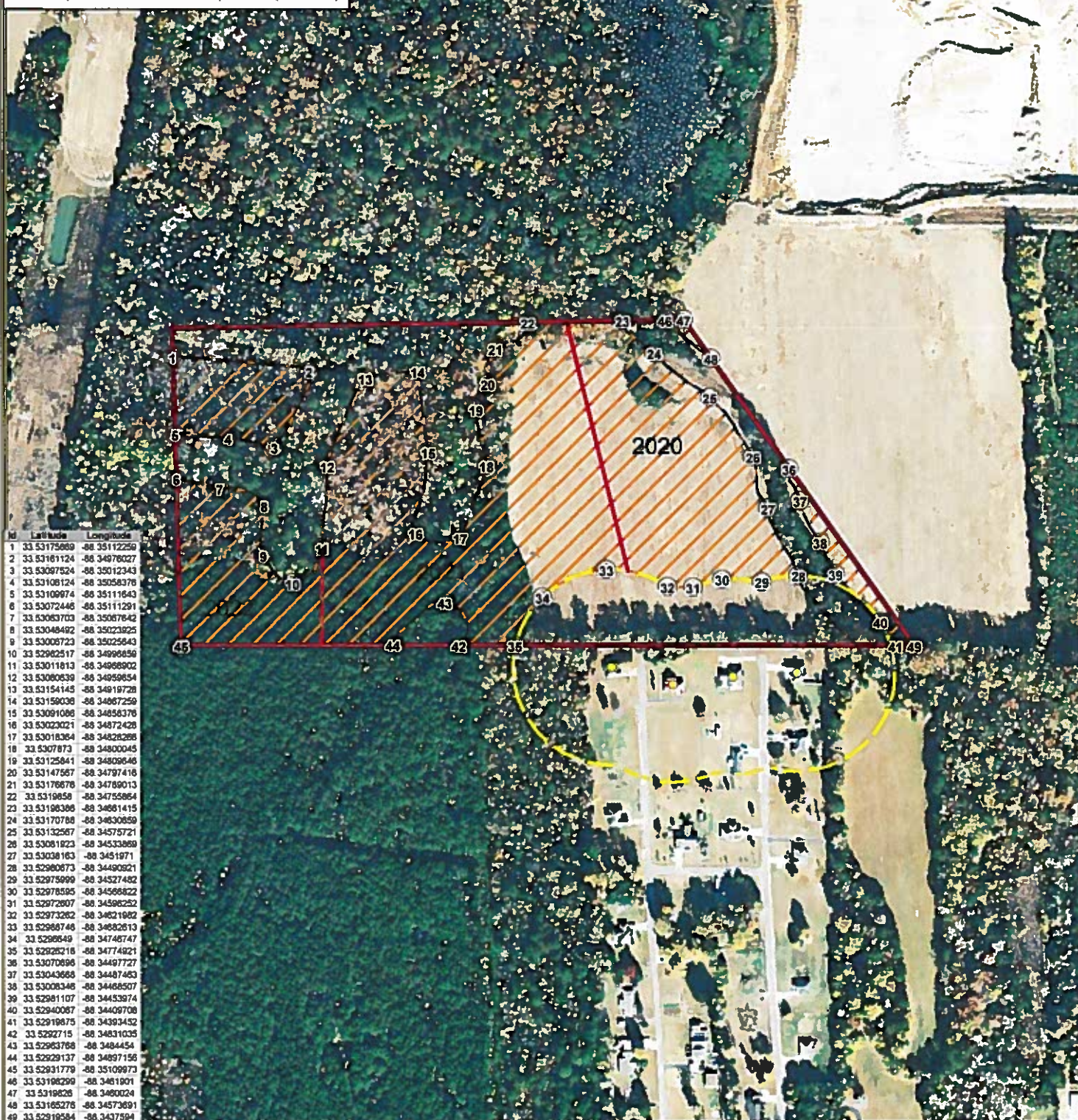
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0 250 500 Feet
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NAD 1983 StatePlane Mississippi West FIPS 2302 Feet
USDA NAIP 2018 Imagery Basemap

Map #3 Mining Plan

Legend

- Mining Coordinates
- Dwellings
- ▭ Project Area (43.13 ac)
- ▭ 300' Buffer
- ⬜ 50' Buffer Radius
- ▨ Proposed Surface Mine Expansion (27.17 ac)



Date Created: 6/19/2019 Created by: JDL

Baldwin Sand and Gravel

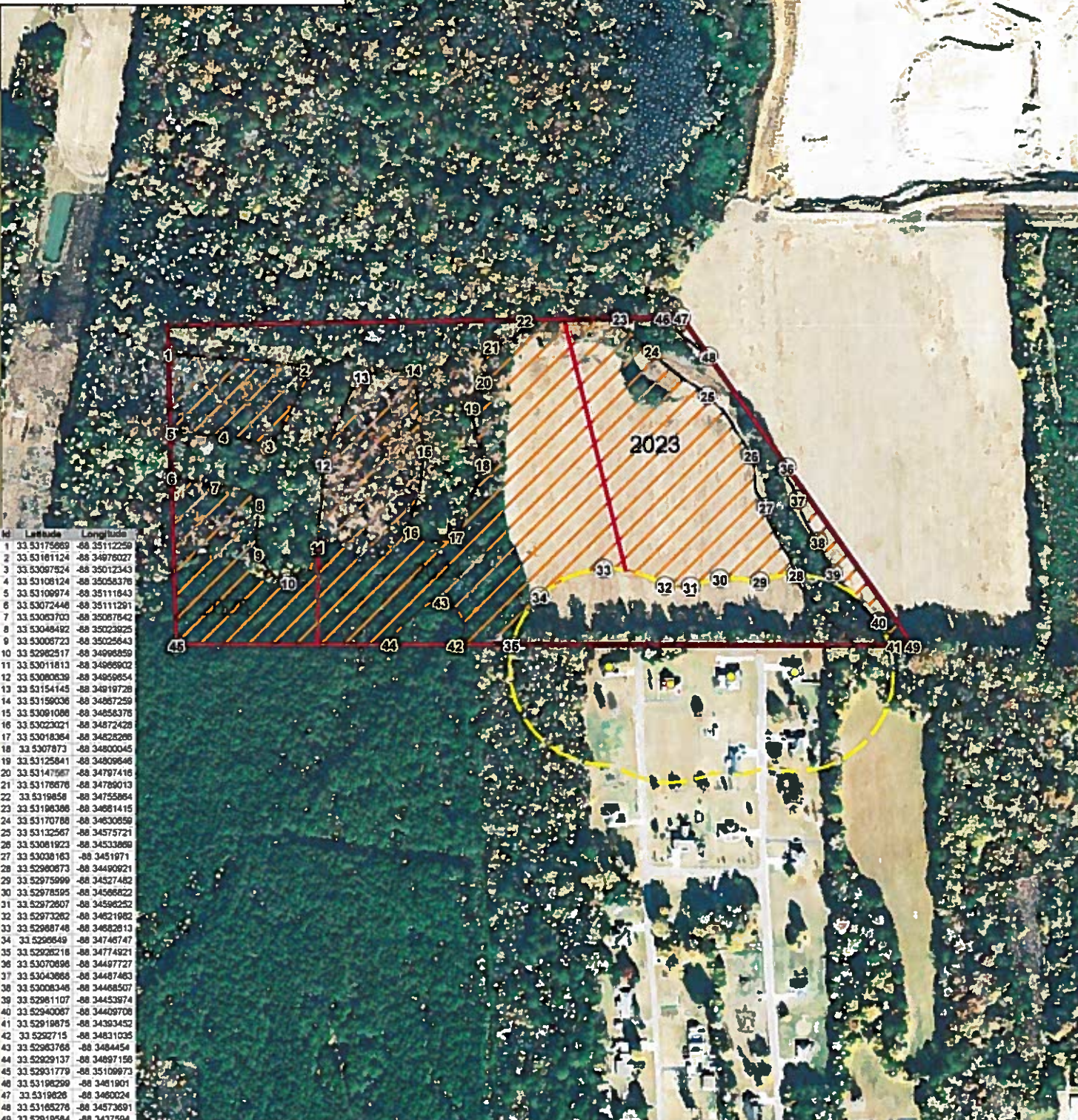
Sections 5 & 6, Township 18S, Range 17W
Lowndes County, Mississippi
Mining Coordinate Map

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0 250 500 Feet
1:5,000
N
USDA NAIP 2018 Imagery Basemap

Map #4 Reclamation Plan

- Legend**
- Mining Coordinates
 - Dwellings
 - ▬ Project Area (43.13 ac)
 - ▬ 300' Buffer
 - ▬ 50' Buffer Radius
 - ▨ Proposed Surface Mine Expansion (27.17 ac)



ID	Latitude	Longitude
1	33.53175669	-88.35112250
2	33.53181124	-88.34978027
3	33.53067524	-88.35012343
4	33.53108124	-88.35058376
5	33.53109974	-88.35111843
6	33.53072446	-88.35111291
7	33.53063703	-88.35067842
8	33.53048492	-88.35023925
9	33.53005723	-88.35025643
10	33.52982517	-88.34998850
11	33.53011813	-88.34968902
12	33.53080639	-88.34959854
13	33.53154145	-88.34919728
14	33.53159036	-88.34867259
15	33.53081086	-88.34856378
16	33.53023021	-88.34872428
17	33.53018354	-88.34828289
18	33.5307873	-88.34800045
19	33.53125841	-88.34809846
20	33.53147587	-88.34797416
21	33.53176876	-88.34789013
22	33.5319859	-88.34755864
23	33.53198386	-88.34661415
24	33.53170788	-88.34630859
25	33.53132567	-88.34575721
26	33.53081923	-88.34533869
27	33.53038163	-88.34519771
28	33.52980673	-88.34490921
29	33.52975999	-88.34327482
30	33.52978595	-88.34568222
31	33.52972607	-88.34596252
32	33.52973282	-88.34621982
33	33.52968748	-88.3462813
34	33.5296649	-88.34746747
35	33.52962216	-88.34774521
36	33.53070898	-88.34677727
37	33.53043698	-88.34497463
38	33.53008346	-88.34468507
39	33.52981107	-88.34453974
40	33.52940057	-88.34409708
41	33.52919875	-88.34393452
42	33.5287715	-88.34631035
43	33.52963768	-88.34644454
44	33.52929137	-88.34897158
45	33.52931779	-88.35109973
46	33.53198299	-88.34819001
47	33.5319826	-88.34600224
48	33.53165276	-88.34573691
49	33.52919584	-88.3437594

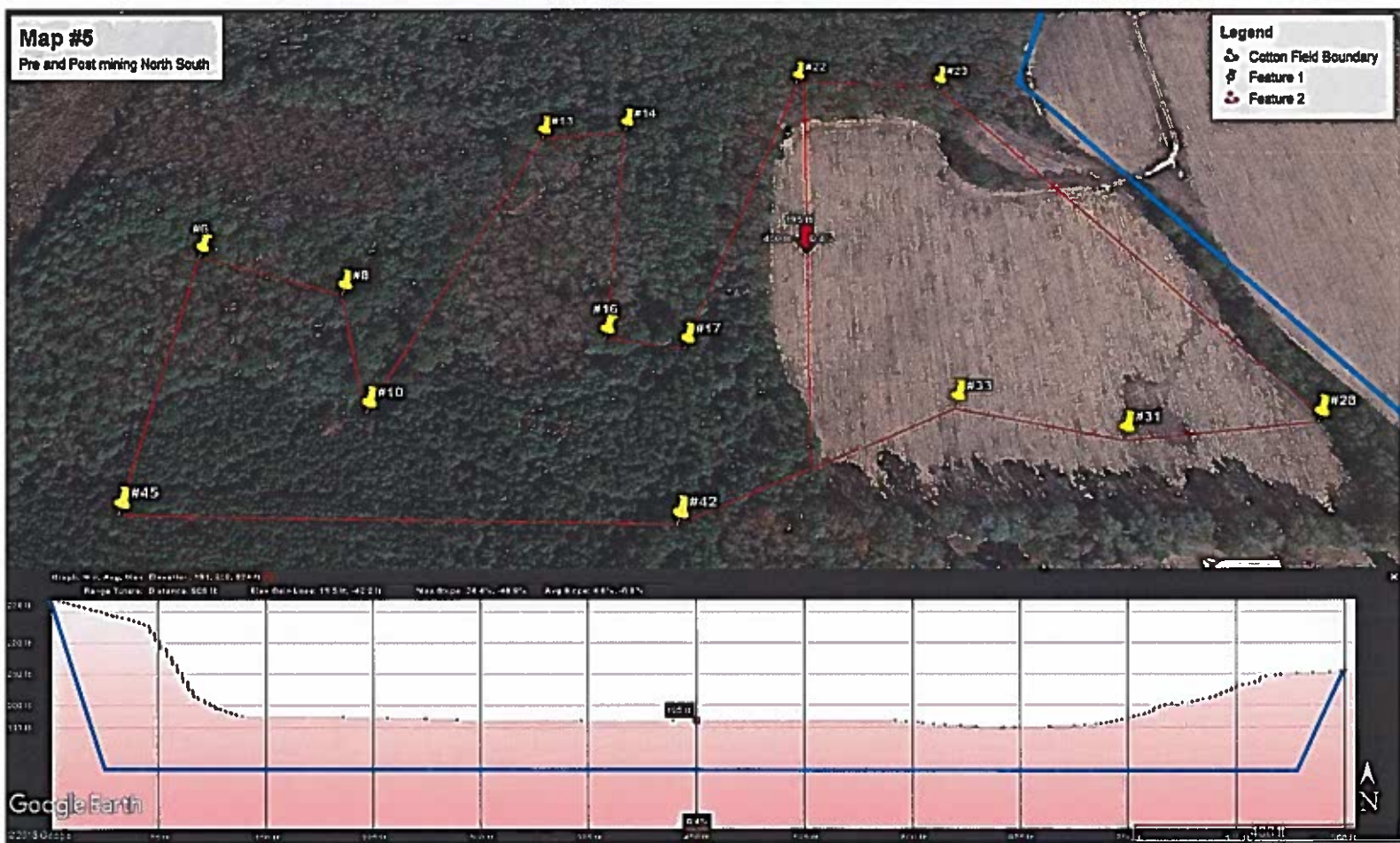


Date Created: 6/19/2019 Created by: JDL

Baldwin Sand and Gravel
 Sections 5 & 6, Township 18S, Range 17W
 Lowndes County, Mississippi
Mining Coordinate Map

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 NAD 1983 Mississippi West FIPS 2302 Feet
 2019 Imagery Basemap



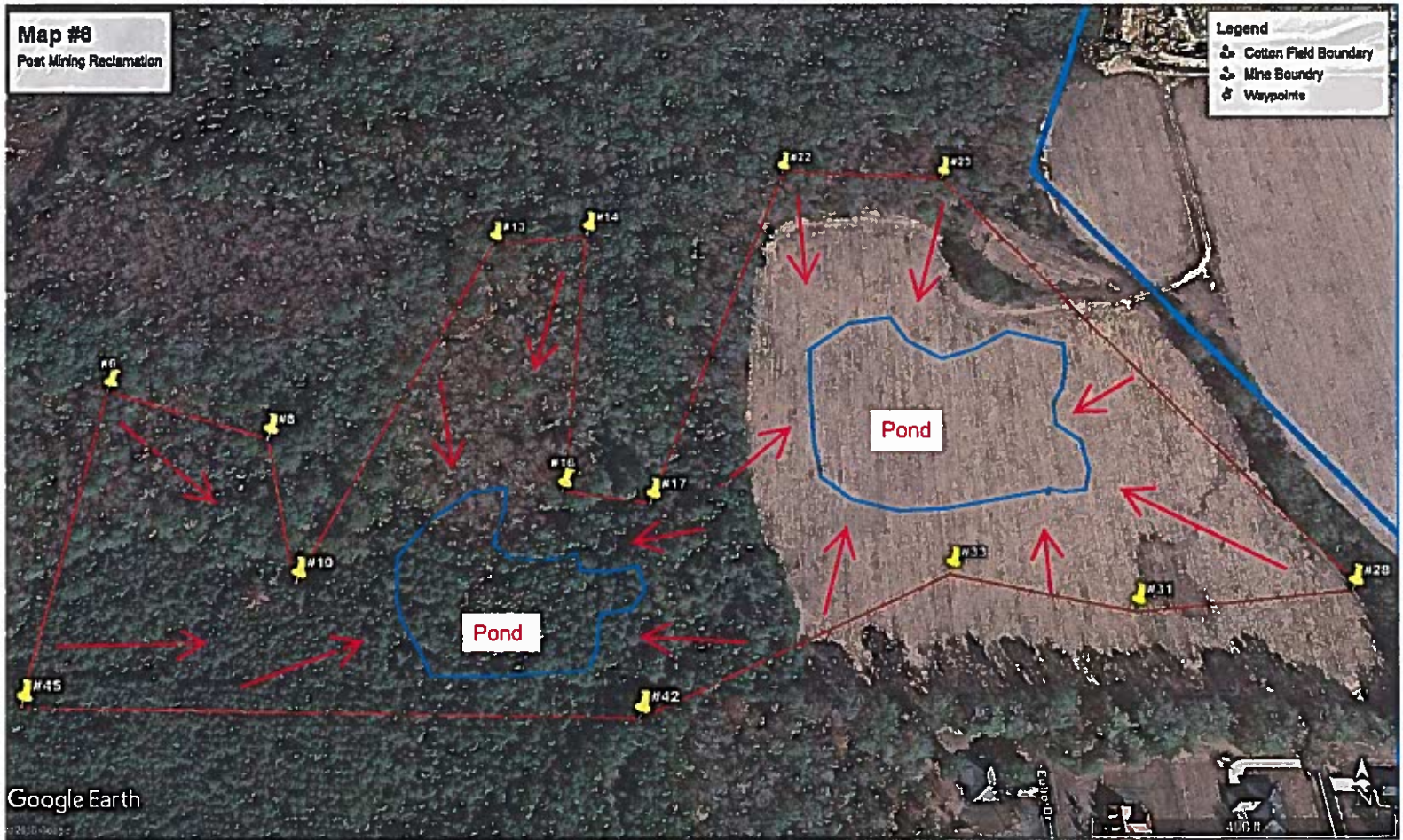
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Pre and Post mining East West



Map #8
Post Mining Reclamation

- Legend
- Cotton Field Boundary
 - Mine Boundry
 - Waypoints



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