



April 8, 2020

Chief, Environmental Permits Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225



MDEQ

Re: Mining Notice of Intent (MNOI)
THOMAS MINE - PARTS OF: SECTION 10, TOWNSHIP 8S, RANGE 10E; And
SECTION 16, TOWNSHIP 8S, RANGE 10E, ALL SITUATED IN ITAWAMBA
COUNTY, MS; APPROXIMATELY 82 ACRES

Dear Sir:

Please find enclosed our company's, *Mining Notice of Intent (MNOI)*
THOMAS MINE - PARTS OF: SECTION 10, TOWNSHIP 8S, RANGE 10E; And SECTION 16,
TOWNSHIP 8S, RANGE 10E, ALL SITUATED IN ITAWAMBA COUNTY, MS;
APPROXIMATELY 82 ACRES; as well as the associated Storm Water Pollution Prevention Plan
(SWPPP) with the required attachments for the site. We ask that if these submissions meet with
your approval, that your office issue a General Permit MSR32 for this site.

Thank you for your prompt attention to this matter. Should you have any questions or concerns
regarding same, please contact me at (601) 940-8008.

Cordially,

Chad Stroud
Environmental Processes



MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

**MINING NOTICE OF INTENT (MNOI)
FOR COVERAGE UNDER
MINING STORM WATER, DEWATERING AND NO DISCHARGE
GENERAL PERMIT MSR32 _____**

(Number to be assigned by State)

File at least 30 days prior to the commencement of mining; 15 days if a Storm Water Pollution Prevention Plan (SWPPP) is already on file and mine dewatering is not proposed. Lateral expansion of an existing mine that has general permit coverage requires the submittal of the Major Modification Form, not a new MNOI (modification of the existing SWPPP to include the expansion is required). Discharge of storm water or impounded water associated with mining or the operation of a wastewater recirculation system with no discharge without written notification of coverage from MDEQ is a violation of State Law.

Please indicate the activities to be covered by this MNOI (check all that apply).

- ☒ Storm Water Discharges Associated with Mining ☐ Mine Dewatering
☐ Wastewater Recirculation System with No Discharge

The appropriate section of the MNOI must be completed if the applicant proposes to discharge storm water, discharge impounded mine water (dewatering) and/or operate a wastewater recirculation system with no discharge. A USGS quadrangle map, or a copy, indicating the site location and outfalls, and a SWPPP must be included with the MNOI submittal. Additional submittals may include the following (check all that apply).

- ☐ Notice of Exempt Operations Form ☐ Section 404 Documentation
☐ Dam/Reservoir Safety Permit or Written Authorization

ALL INFORMATION MUST BE COMPLETED (indicate "N/A" where not applicable)

APPLICANT IS THE: ☒ OPERATOR ☐ LANDOWNER (Must check one or both)

OPERATOR INFORMATION

OPERATOR CONTACT PERSON: Chad Stroud
OPERATOR COMPANY NAME: Eutaw Construction Company, Inc
OPERATOR STREET OR P. O. BOX: P.O. Box 2482
OPERATOR CITY: Madison STATE: MS ZIP: 39130
OPERATOR PHONE NUMBER (601) 855-7474 EMAIL ADDRESS: cstroud@eutaw.us

LANDOWNER INFORMATION

LANDOWNER CONTACT PERSON: Rabern Thomas
LANDOWNER COMPANY: n/a
LANDOWNER STREET OR P. O. BOX: 24 Thomas Dr
LANDOWNER CITY: Golden STATE: MS ZIP: 38847
LANDOWNER PHONE NUMBER : (662) 279-3488 EMAIL ADDRESS: n/a

MINE INFORMATION

NAME OF MINE: Thomas Mine

STREET ADDRESS OR NEAREST NAMED ROAD: Thomas Rd

NEAREST CITY: Golden COUNTY: Itawamba

 /4 OF NE 1 /4 OF SECTION 10 & 16, TOWNSHIP 08S, RANGE 10E

ATTACH A USGS QUAD MAP, EXTENDING ¼ MILE BEYOND FACILITY, OUTLINING THE MINE BOUNDARIES (Maps can be obtained from the Mississippi Office of Geology. For information call 601-961-5523).

LATITUDE: 34 degrees 23 minutes 54 seconds LONGITUDE: 88 degrees 13 minutes 38 seconds

METHOD USED TO DETERMINE LAT & LONG (GPS (Please GPS Entrance Gate) or Map Interpolation): Google Earth

TOTAL ACREAGE: 82 MATERIAL TO BE MINED: Borrow Soil

WILL HYDRAULIC DREDGING BE USED? ☐ YES ☒ NO WASHING OF SAND/GRAVEL? ☐ YES ☒ NO

RECEIVING STREAM: Unnamed tributary of Chubby Creek

IS RECEIVING STREAM ON MISSISSIPPI'S 303(d) LIST OF IMPAIRED WATER BODIES? ☐ YES ☒ NO
(The 303(d) list of impaired waters and TMDL stream segments may be found on MDEQ's web site:
http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section)

HAS A TMDL BEEN ESTABLISHED FOR THE RECEIVING STREAM SEGMENT? ☐ YES ☒ NO

ESTIMATED START DATE: July 2020 HUC CODE (FOR MDEQ USE ONLY): _____

COMPLETE IF STORM WATER DISCHARGE IS PROPOSED

STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE: 1 4 4 2

ATTACH A STORM WATER POLLUTION PREVENTION PLAN (SEE PERMIT FOR REQUIREMENTS)

IDENTIFY THE ASSOCIATION OR GENERIC SWPPP ON FILE AT MDEQ: None

COMPLETE IF WASTEWATER RECIRCULATION SYSTEM WITH NO DISCHARGE IS PROPOSED

DISTANCE BETWEEN RECIRCULATION POND(S) AND PROPERTY LINE: n/a (FT)
(MUST BE AT LEAST 150 FEET)

NUMBER OF RECIRCULATION POND(S): _____

STORAGE CAPACITY OF EACH RECIRCULATION POND(S): _____ (FT³)

COMPLETE IF MINE DEWATERING IS PROPOSED

ESTIMATED DEWATERING VOLUME: n/a (GAL/DAY)

NAME AND ADDRESS OF THE RECIPIENT OF THE DISCHARGE MONITORING REPORTS (DMRs), IF DIFFERENT FROM SIGNATORY:

DOCUMENTATION OF COMPLIANCE WITH OTHER REGULATIONS/REQUIREMENTS

Coverage under this general permit will not be granted until all other required MDEQ permits and approvals are addressed.

WILL THE CONSTRUCTION OR OPERATION OF THIS MINE INVOLVE THE RE-ROUTING, FILLING OR CROSSING OF A WATER CONVEYANCE OF ANY KIND? ☐ YES ☒ NO

If yes, contact the U.S. Army Corps of Engineers' Regulatory Branch for permitting requirements. If the mine requires a Corps of Engineers Section 404 permit, provide appropriate documentation with this MNOI that:

- The mine has been approved by individual permit, or
- The work will be covered by a nationwide permit and NO NOTIFICATION to the Corps is required, or
- The work will be covered by a nationwide or general permit and NOTIFICATION to the Corps is required.

LIST ANY NPDES PERMIT NO(s). n/a GEOLOGY APPLICATION/PERMIT NO. MRD-3 Pending

LIST OTHER GEOLOGY PERMIT NUMBERS THAT APPLY TO COVERAGE AREA n/a

IS THE MINE LESS THAN 4 ACRES AND GREATER THAN 1320 FEET FROM ANOTHER MINE?

- ☐ YES A "Notice of Exempt Operations" Form must be included with the MNOI or proof of prior submission, if previously submitted to the Office of Geology.
- ☒ NO A "Notice of Intent to Mine Class I or Class II Materials" Form must be filed before coverage will be granted under the Mining General Permit. For information on Office of Geology requirements, call 601-961-5527.

LIST ANY LOCAL STORM WATER ORDINANCES WITH WHICH THE OPERATIONS MUST COMPLY AND SUBMIT ANY ASSOCIATED APPROVAL DOCUMENTATION. n/a

IF AN IMPOUNDMENT WILL BE CONSTRUCTED ABOVE NATURAL SURFACE ELEVATIONS, INDICATE WHICH, IF ANY, OF THE FOLLOWING APPLY.

- ☐ The impoundment will be constructed with a peripheral dam or levee 8 feet or greater in height, measured from the lowest elevation of its toe.
- ☐ The impoundment will have a maximum storage volume greater than 25 acre-feet.
- ☐ The impoundment will impound a watercourse with a continuous flow.
- ☐ The impoundment has the potential to threaten downstream lives or man-made structures.

If the impoundment meets any of the above criteria, the applicant will be required to obtain written authorization from MDEQ, Dam Safety Division before coverage will be granted under the Mining General Permit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Signature

Date

Printed Name

Title

¹This application shall be signed according to the General Permit, Act 15, T-4 as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.
- For a municipal, state or other public facility, by either a principal executive officer, the mayor, or ranking elected official.

Please submit this form to:

Chief, Environmental Permits Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

Site-Specific



**STORM WATER POLLUTION
PREVENTION PLAN (SWPPP)**

For:

**THOMAS Mine
(82 Acre Mining Permit)
Itawamba County, Mississippi**

April 3, 2020

Prepared by:

Chad Stroud
Eutaw Construction Company, Inc.

P.O. Box 2482
Madison, MS 39110
Cellular: (601) 940-8008
Email: cstroud@eutaw.us

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I. Introduction

The purpose of this Site-Specific Storm Water Pollution Prevention Plan (SWPPP) is to provide a description of the best management practices to prevent contamination of storm water with potential pollutants from mining activities at the THOMAS Mine, Itawamba County, Mississippi ("the subject site"). This SWPPP has been prepared as required by the Mississippi Department of Environmental Quality (MDEQ) in compliance with the applicable regulations for coverage under the applicable Construction Storm Water General NDPES Permit.

This SWPPP will be incorporated into the routine land-disturbing activities at the subject site. The potential sources for storm water pollution have been identified at the subject site and are described in this plan. Several pollution control measures are specified in this plan to prevent contamination of storm water runoff from those identified sources. This plan further outlines implementation, inspection, and necessary maintenance requirements. The erosion and sediment control practices shall be monitored, and the plan shall be revised if the quality of storm water runoff is not compliant.

II. Site Assessment

- A. Location: The subject site consists of 3 separate tracts that total 82 acres, more or less, for borrow soil mining operations, consisting of parts of SECTION 10, TOWNSHIP 08S, RANGE 10E; and SECTION 16, TOWNSHIP 08S, RANGE 10E. Tract 1 is 16 acres; Tract 2 is 17 acres; Tract 3 is 42 acres.
- B. Description of Work: The land-disturbing activity on the subject site will consist primarily of clearing and grubbing; borrow soil excavation; regular land-grading maintenance activities; and temporary and final stabilization measures.
- C. Potential Pollution Sources: The most significant potential pollutants on the subject site are soil particles susceptible to removal by storm water. Other potential pollutants subject to removal by storm water are leaked fuel or lubricants from machinery and equipment. Soil material may also be inadvertently tracked off site or blown off site when disturbed by equipment.
- D. Non-Storm Water Solid Materials: The on-site generation of solid materials will be minimal, and its proper disposal will be regulated. All solid waste will be appropriately contained and taken off site for proper disposal.

- E. Drainage Patterns: Most of the rainwater that will fall on the disturbed land area of the subject site will flow into the natural drainage structures on the site. Appropriate best management practices will be employed to protect these drainage channels from contamination by silt and sediment.
- F. Receiving Waters: The natural drainage patterns of the subject site generally flow East to West via an unnamed tributary of Chubby Creek. There, the unnamed tributary converges with Chubby Creek, which generally flows North to South and off-site.
- G. Soil Types: The ground surface of the site consists primarily of 1' of natural topsoil. Thereafter, the site consists of medium PI sandy clay to an average depth of 8 feet. Thereafter, the character of the soil changes to low PI sand and remains constant to depths that average from 12' to 50' along the existing natural contours of the site.

III. Best Management Practices (BMPs)

- A. Design: The following Best Management Practices will be utilized to prevent the contamination of storm water on the subject site. The specific BMPs selected for the subject site and their specific locations are indicated on the attached site-specific maps. The locations and types shown may not be exclusive, as additional or different BMPs may be required as field conditions dictate. This SWPPP will be amended in the event that such changes become necessary. All BMPs shall conform to the specifications of the Mississippi SWPPP Guidance Manual for Construction Activities and the applicable permits.
 - Stabilized Construction Entrance: A Stabilized Construction Entrance shall be maintained at the entrance to the subject site to reduce erosion and tracking displacement of soil onto the adjacent roadways.
 - Wattle Ditch Checks: Wattle ditch checks may be employed in the shallow-grade-fall ditches to slow storm water velocity and to help direct storm water runoff to stabilized outfall structures; thus, minimizing the effects of erosion during land-disturbing activities, and containing sediment deposits on site.
 - Loose Rip Rap 300 Pound Ditch Checks with #57 Sediment Control Stone Plating: Rock ditch checks may be employed in the deep-grade-fall ditch areas to slow storm water velocity and to help direct storm water runoff to stabilized outfall structures; thus, minimizing the effects of erosion during land-disturbing activities, and containing sediment deposits on site.

- **Silt Fence:** Silt fence will be used as the primary perimeter control. Silt fence will be installed where storm water can effectively be contained by such measures, such as at the low-grade down-hill sections of cuts. The philosophy behind this method of BMP is to establish a silt fence barrier between the active land-disturbing activities and the permit boundary. The silt fence will keep any soil material from migrating off site. Adequate filtration and release of the stormwater will be accomplished by installing wattle filter breaks in the perimeter silt fence as needed. All silt fence will be properly maintained and accumulated silt will be removed when it reaches a fence height of 1/3 to 1/2.
- **Slope Surface Roughening:** Heavy equipment will track up and down temporarily exposed slopes to create horizontal depressions that are perpendicular to the direction of the slope in order to reduce the velocity of storm water runoff and help prevent erosion.
- **Controlled Slope Ratios:** Temporarily exposed slopes will be managed in length and by the installation of slope breaks if necessary in order to decrease the velocity of storm water runoff and to help control erosion and sediment displacement.
- **Stockpile Protection:** Any soil material stock-piled on the subject site will be encircled by silt fence maintained on the lower elevation contours. Temporary vegetative cover will be applied within 7 days to any stockpile that will not be in use for greater than 14 days.
- **Vegetative Controls:** Temporary grassing will be implemented immediately on any site that has been disturbed and that won't be worked within 14 days.
- **Brush Barriers:** Brush barriers may be used as site conditions allow or required to assist in sediment control around the perimeter of the new construction areas.
- **Dust Control:** During land-disturbing activities, resulting dust will be closely monitored and if it becomes excessive to the point of becoming a safety or environmental hazard, water trucks will be employed to manage the transportation of wind-blown particles.
- **Vegetative Buffer Zone:** Existing vegetation in and around the property boundaries and any perennial water bodies will be maintained to help control erosion and prevent sediment escape.

- **Settling / De-silting Pond:** A sediment basin or de-silting pond may be used to trap and filter sediment from land disturbing activities. Sediment will settle in the pond prior to being discharged through a rip rap berm. Regular maintenance will be conducted to remove sediment deposits from the basin as required.
 - **Permanent Vegetative Measures:** Within 14 days of the conclusion of land-disturbing activities in any area, the subject area will be graded, bladed and permanent vegetative measures will be employed.
 - **Equipment Fueling and Maintenance:** Any equipment fueling and maintenance areas shall employ BMPs for industrial activities to ensure that pollutants do not impact storm water runoff.
- B. **Spill Prevention and Response Procedures:** A separate Spill Prevention Control and Countermeasure Plan will be developed if any bulk oil meeting the federal regulations is to be stored on site. Above ground oil and fuel storage tanks will be located at the contractor's project office site located off the subject site.
- C. **Operation and Maintenance:** All BMPs shall be adequately inspected and monitored for sediment accumulation and to ensure their proper operation. Routinely accumulated sediment shall be removed from any BMPs which require maintenance to ensure their proper working condition.
- D. **Record Keeping:** Appropriate record keeping will be employed on site including recording of rainfall data; the location of any BMPs requiring maintenance; and the record of all repair and maintenance to any BMPs. All records shall be maintained at the owner's corporate office for three years.
- E. **Employee Training:** Employees working at the subject site shall be generally orientated to this SWPPP and its provisions. Supervisory personnel shall be responsible for carrying out the requirements of this SWPPP.
- F. **Housekeeping Practices:** Pollutants from the subject site shall be controlled by appropriate good housekeeping practices, including, but not limited to: secondary containment storage of any fuel and oils; keeping work areas tidy and clean; providing waste receptacles at convenient locations and providing regular collection of waste; providing protected storage for chemicals, fertilizers and any other potentially toxic materials; and providing adequately maintained sanitary facilities. Any solid waste generated on the jobsite will be appropriately contained and ultimately removed off site to an appropriate disposal area or facility.

IV. CONSTRUCTION SEQUENCE

- A. The following sequence of land-disturbing activities is anticipated for the subject site. To the extent that actual land-disturbing activities vary from this anticipated schedule, then this SWPPP shall be updated based on actual field operations and conditions.
1. Prepare SWPPP and obtain necessary permits.
 2. Conduct a pre-mining meeting to identify all necessary BMPs.
 3. Install construction entrance.
 4. Install perimeter controls; vegetative buffers and outfall protection.
 5. Inspect installed BMPs for effectiveness and compliance with SWPPP.
 6. Begin land disturbing activities.
 7. As subject site is worked, continue inspection and maintenance of BMPs; temporary and/or permanent seed as required by permit.
 8. Stabilize subject site by permanent seeding and fertilizing.
 9. Remove temporary BMPs.
 10. Conduct final maintenance of permanently established BMPs.
 11. File Request for Termination of Coverage Form.

V. IMPLEMENTATION SCHEDULE

- A. The land-disturbing activities shall be divided into three phases of BMP implementation so that the selection of appropriate erosion and sediment controls will be made easier and the selection of specific BMPs can be improved.

Phase I: Perimeter Controls: Perimeter controls shall be installed prior to land disturbing activities. These controls include establishing a stabilized construction entrance, establishing vegetative buffer zones; installation of perimeter silt fence; and creating outfall protection to meet field conditions.

Phase II: Intermediate Controls: Intermediate controls shall be implemented from the initial land disturbing phase to the final end-grade phase. During this phase, the extent and duration of exposed un-stabilized areas will be closely monitored, and steps will be initiated to control erosion and sediment escape from the subject site. Measures such as slope surface roughening will be employed in order to reduce the velocity of storm water runoff and help prevent erosion. Temporarily exposed slopes will be managed in length and by the installation of slope breaks if necessary, in order to decrease the velocity of storm water runoff and to help control erosion and sediment displacement. Any soil material stock-piled on the subject site will be encircled by silt fence maintained on the lower elevation contours.

Temporary vegetative cover will be applied immediately (no later than the next work day) to any stockpile that will not be in use for greater than 14 days. Temporary seeding will be implemented immediately (no later than the next workday) on any site that has been disturbed and that won't be worked within 14 days. During this phase, the continuing effectiveness of all BMPs shall be reviewed; continued inspections and record keeping will be conducted; this SWPPP shall be amended if new BMPs become necessary to control erosion and prevent sediment escape; regular maintenance of BMPs will be conducted; and temporary and/or permanent seeding as required by the permit will be accomplished. Ditches will be protected with temporary measures and all stormwater outfalls will be temporarily protected.

Phase III: Final Controls: Final controls shall be implemented to achieve final site stabilization. These controls shall include final site grading, and permanent seeding and fertilizing. At that stage, all temporary BMPs shall be removed and final maintenance of permanent established BMPs shall be conducted.

VI. INSPECTIONS AND REPORTING

- A. **Inspections:** All BMPs shall be adequately inspected and monitored at least weekly for a minimum of four times per month and as often as necessary, particularly after any storm event, for sediment accumulation and to ensure their proper operation. Walk-through inspections shall be conducted prior to any anticipated storm event. Any necessary BMP repair or replacement shall be conducted within 24 hours of discovery or as soon as field conditions allow. An adequate number of rain gauges will be placed on the subject site to monitor and record rainfall data for use in inspections.
- B. **Reporting:** All records, reports and information resulting from inspection activities required by this SWPPP and the applicable permit shall be retained at the owner's corporate office for at least 3 years from the date of the MNOI, inspection, or other report.

VII. REVISIONS

This SWPPP shall be kept current and will be revised as changes in site conditions warrant. Specific revisions will be made in the event that inadequacies of BMPs are revealed by inspection; changes are noted in identified sources, non-storm water discharges, or non-storm water solid wastes; or the Office of Pollution Control issues notification that this SWPPP does not meet one or more of the minimum requirements.

VIII. TERMINATION OF COVERAGE

Upon successful completion of all permanent erosion and sediment controls, a Notice of Termination (NOT) Form shall be submitted.

ATTESTATION



SWPPP Developer's Signature

Chad Stroud
Printed Name

April 3, 2020

Date

Environmental Manager
Certified Stormwater Inspector

Site-Specific



RECLAMATION PLAN

For:

**Thomas Mine
(82 Acre Mining Permit)
Itawamba County, Mississippi**

March 26, 2020

Prepared by:

Chad Stroud
Eutaw Construction Company, Inc.
P.O. Box 2482
Madison, MS 39110
Cellular: (601) 940-8008
Email: cstroud@eutaw.us

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VI. Plans for Posting of Bond and Insurance Based on Size of Mining Operation

Introduction

The purpose of this Site-Specific Reclamation Plan is to provide a description of the best management practices which, after all surface mining activities have concluded, will be used to reclaim the Thomas Mine, Itawamba County, Mississippi ("the subject site"). This Reclamation Plan has been prepared as required by the Mississippi Department of Environmental Quality (MDEQ) in compliance with the applicable regulations for coverage under the applicable Surface Mining Permit, as well as the Reclamation Plan requirements of Section 502(e) of the Zoning Ordinance of Itawamba County, Mississippi. This Reclamation plan will be implemented as soon as disturbed areas of the subject site are ready for final stabilization measures after all surface mining activity in the specific location.

I. Initial Condition of Mine Site

- A. Location: The subject site consists of 3 separate tracts that total 82 acres, more or less, for borrow soil mining operations, consisting of parts of SECTION 10, TOWNSHIP 8S, RANGE 10E; and SECTION 16, TOWNSHIP 8S, RANGE 10E. Tract 1 is 16 acres; Tract 2 is 17 acres; Tract 3 is 42.
- B. Description of Work Requiring Reclamation: The land-disturbing activity on the subject site will consist primarily of clearing and grubbing; borrow soil excavation; regular land-grading maintenance activities; and temporary and final stabilization measures.
- C. Drainage Patterns and Receiving Waters: The natural drainage patterns of the subject site generally flow East to West via an unnamed tributary of Chubby Creek. There, the unnamed tributary converges with Chubby Creek, which generally flows North to South and off-site.
- D. Soil Types: The ground surface of the site consists primarily of 1' of natural topsoil. Thereafter, the site consists of medium PI sandy clay to an average depth of 8 feet. Thereafter, the character of the soil changes to a low PI sandy material and remains constant to depths that average from 8' to 50' along the existing natural contours of the site.
- E. Current Site Condition and Land Use: The subject site is zoned agricultural and is being used currently consistent with its zoning. Most of the site is naturally vegetated pastureland with a mix of hardwood and pine timber land. Several small livestock ponds are present as well.

II. Phasing of Operations and Reclamation Steps

- A. Phasing of Operations: Borrow Excavation hauling from the Thomas Mine to the S.R. 76 Project ROW is currently scheduled in two phases. (See Master Schedule attached hereto).
- 1) Phase One borrow operations are scheduled from July 2020 through December 2020. This borrow excavation will occur primarily in Tracts 1, and 2, and will consist of approximately 300,000 CY FME of material.
 - 2) Phase Two borrow operations are scheduled from July 2020 through October 2021. This borrow excavation will occur in Tract 3 and will consist of approximately 400,000 CY FME of material.
- B. Reclamations Steps: As soon as mining operations substantially conclude in a Tract of the THOMAS Mine, then reclamation operations will begin. In some tracts, partial reclamation will occur in areas that have been closed out for mining, even if other open excavation areas still exist in the tract. For any area of a tract where mining operations have ceased, the subject area will be graded, bladed and permanent vegetative measures in the form of permanent grass seeding, fertilization and hay mulch covering will be employed.
- 1) Phase One reclamation operations will begin in part September 2020.
 - 2) Phase Two reclamation operations will begin in part December 2020.

III. Methods and Processes of Reclamation

Initially, all topsoil in the mine areas will be stripped and segregated for future re-spreading during the seeding phase. The topsoil will be stockpiled in berms and temporarily grassed for stabilization. Perimeter silt fence will be employed to prevent sediment transfer off site from stormwater runoff.

The average cut of excavation in all Tracts is estimated to be 12' in depth so there will not be any steep slopes to reclaim. Slopes that do exist at the time of reclamation will be constructed to a gradient of 3:1. For the most part, however, shallow excavation areas throughout the mine site will be blended with the natural contours of the surrounding terrain and natural drainage features will not be changed.

The general plan for reclamation of the Thomas Mine is to establish a permanent cover of perennial grass vegetation over all disturbed areas and return the lands to their native state of pastureland for livestock. Permanent grassing will be accomplished by mechanical seeding of broadcast permanent grass seed. Harrowing and disking will be employed to prepare the ground for seeding and fertilizing, as well as, crimping of 1 ton per acre of blown hay mulch during the germination period.

To assist in permanent grass growth, the lands will initially be treated with 2 tons of lime per acre and 500 pounds of 13-13-13 fertilizer per acre. In successive years

during the reclamation process and prior to obtaining a final bond release, the lands will be treated with 250 pounds of 13-13-13 fertilizer per acre in May or June of the year. The planting schedule for reclamation will be either spring or fall, depending upon the conclusion of the excavation in the mine areas. The seeding mix that will be used is 20 pounds per acre of Bermuda, 25 pounds per acre of Bahia, and 30 pounds per acre of Fescue.

Vegetation that is established but which has not yet reached full maturity will be properly maintained and cultivated by mowing twice per year in April and September. Likewise, permanent erosion control measures will be employed and maintained to decrease washing and the formation of rills and gullies. Any eroded areas will be replanted to achieve full growth and coverage.

The estimated cost for reclamation of the Thomas Mine is \$1,000 per acre. Traveler's Insurance has issued a reclamation bond for the mine in the amount of \$82,000 to cover the full acreage permitted.

IV. Final Condition of Site

Final erosion control measures and best management practices shall be implemented to achieve final site stabilization. These controls shall include final site grading, and permanent seeding and fertilizing. At that stage, all temporary BMPs shall be removed and final maintenance of permanently established BMPs shall be conducted. Upon final reclamation, the site will be re-vegetated pastureland with some small livestock ponds. The site will essentially be returned to its original natural state, conforming to the natural drainage patterns.

V. Relation of Final Site Condition to Adjoining Forms and Drainage Features

The final site condition of the Thomas Mine shall be re-vegetated pastureland with some small livestock ponds, like most of the surrounding natural lands held by adjoining landowners. The mine site will essentially be returned to its original natural state, conforming to the natural drainage patterns. There will be no increased drainage runoff as a result of the mining reclamation and no adverse impact on adjoining landowners as a result thereof. Additionally, there are no occupied dwellings within 500 feet of the proposed Thomas Mine boundaries; therefore, there will be negligible impact on any neighboring landowners during proposed surface mining operations. Substantial erosion control measures will be implemented to prevent any loss of soil material from the permit boundaries of the mine, and to control and filter stormwater runoff to natural water conveyances off site.

Once mining operations have concluded, the Thomas Mine will be reclaimed by mass grading the land back to as close to the natural contours as is possible; ensuring

proper drainage and no increased runoff to neighboring lands. Originally stripped topsoil will be re-applied to the excavation areas, and then the disturbed areas will be seeded with permanent grass and fertilized and covered with blown hay mulch during the germination period. Eutaw will be required to re-establish a permanent stand of yearly grass before MDEQ will release the posted \$82,000 reclamation bond for the subject property.

VII. Plans for Posting of Bond and Insurance Based on Size of the Mining Operation

Please see attached hereto Traveler's Insurance reclamation bond for the mine in the amount of \$82,000 to cover the full acreage permitted. Additionally, please see attached hereto Eutaw Construction's Certificate of Insurance for the THOMAS Mine.



SWPPP Developer's Signature

Chad Stroud
Printed Name

April 3, 2020

Date

Environmental Manager
Certified Stormwater Inspector

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY
Mining and Reclamation Division
P. O. Box 2279
Jackson, Mississippi 39225-2279
(601) 961-5515

Permit Number

Application
Number

PERFORMANCE BOND

Bond No. 107230028

KNOW ALL MEN BY THESE PRESENTS, that Eutaw Construction Company, Inc.

P. O. Box 36, Aberdeen, MS 39730

as Principal, hereinafter called Principal, and Travelers Casualty and Surety Company of America

One Tower Square, Hartford, CT 06183

as Surety, hereinafter called Surety, are held and firmly bound unto the State of Mississippi in the amount of _____

Eighty Two Thousand Dollars and 00/100 Dollars (\$82,000.00)

for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents:

WHEREAS, Principal has filed an application with the Office of Geology, hereinafter called Office, for a permit to engage in a surface mining operation as required by the Mississippi Surface Mining and Reclamation Act of 1977 (Section 53-7-1 et seq., Mississippi Code of 1972), hereinafter called the Act, which permit application is by reference made a part hereof; in said

application Principal estimates that Thomas Mine, 82 Acres, Itawamba County acres of land will be affected by the surface mining operation; and said application contains a plan for reclamation of lands to be affected by the proposed mining operation.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if Principal shall faithfully perform the reclamation plan approved by the Office on all affected lands covered by said permit application in accordance with the Act, the rules and regulations of the Office, and the conditions of the surface mining permit, then this obligation shall be null and void, otherwise to remain in full force and effect.

Whenever Principal shall be, and declared by the Office to be, in default under the surface mining permit, Surety shall be given written notice of such default and may commence corrective action within sixty (60) days from the date of such notice, all in accordance with Section 53-7-35, Mississippi Code of 1972.

Dated the 31st day of March, 2020



Witness

Eutaw Construction Company, Inc.

By 

Principal

Vice President, Tim Braducci

Print Name and Title

Travelers Casualty and Surety Company of America

Surety

By 

Amanda Jean Charfauros

Attorney-in-Fact

Print Name and Title

Resident MS Agent / Fisher Brown Bottrell Insurance, Inc.

rev. 11/02





**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company
Farmington Casualty Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, St. Paul Fire and Marine Insurance Company, and Farmington Casualty Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Amanda Jean Charfauros of **Jackson, MS**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law, including the following bond:

Surety Bond No.: 107230028
OR

Principal: Eulaw Construction Company, Inc.

Obligee: State of Mississippi Dept of Environmental Quality

Project Description: Thomas Mine, 82 Acres, Itawamba County

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **6th day of May, 2019.**



State of Connecticut

By: 
Robert L. Raney, Senior Vice President

City of Hartford ss.

On this the **6th day of May, 2019**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th day of June, 2021**




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **31st day of March, 2020.**




Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which this Power of Attorney is attached.**



EUTACON-01

LVANDERS

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/2/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Fisher Brown Bottrell Insurance, Inc. P. O. Box 1490 Jackson, MS 39215	CONTACT NAME: Laura Vandersteeg	
	PHONE (A/C, No, Ext): (601) 960-7461	FAX (A/C, No): (601) 208-3061
	E-MAIL ADDRESS: lvandersteeg@fbbins.com	
INSURED Eutaw Construction Company, Inc. P.O. Box 2482 Madison, MS 39130	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Zurich American Insurance Company	
	INSURER B: Travelers Property Casualty Company of America	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			GLO980905604	4/1/2020	4/1/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 EBL AGGREGATE \$ 1,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			BAP980905704	4/1/2020	4/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			ZUP31M5963520NF	4/1/2020	4/1/2021	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 Prod/Co Ops Agg \$ 5,000,000
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC980905504	4/1/2020	4/1/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
General Liability and Auto Liability policies contain blanket additional insured wording on a primary & non-contributory basis when required by written contract. General Liability includes completed operations when required by written contract. General Liability, Automobile Liability and Workers Compensation contain blanket waiver of subrogation wording when required by written contract. Umbrella policy(s) are follow form as respects underlying policy(s) additional insured status and waiver of subrogation wording. As respects property coverage, at the time of loss, insured value will be the lesser of the ACV, market value or replacement with like kind or quality. All coverage is subject to policy terms, conditions and exclusions. *Equip Deds: \$2,500, except \$25,000 for Flood/EQ/Fire, 5% for Cranes NOTE: Additional Insured status applies only as per policy endorsements which may be provided upon request: UGL1175FCW (04/13) & UCA424FCW (04-14) & EU0001.

CERTIFICATE HOLDER

CANCELLATION

Rabern Thomas
24 Thomas Dr
Golden, MS 38847

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

THOMAS MINE 82 Acres
Parts of S10, T8S, R10E and S16, T8S R10E
Itawamba County, MS

GPS Corner Locations

TRACT 1		
NW	34.2354N	88.1353W
SW	34.2346N	88.1352W
SW1	34.2347N	88.1349W
SW2	34.2348N	88.1349W
SE3	34.2350N	88.1341W
SE2	34.2349N	88.1341W
SE	34.2350N	88.1338W
NE	34.2354N	88.1338W



THOMAS MINE 82 Acres
Parts of S10, T8S, R10E and S16, T8S R10E
Itawamba County, MS

GPS Corner Locations

TRACT 2		
NW	34.2337N	88.1349W
SW	34.2329N	88.1348W
SE	34.2329N	88.1338W
NE	34.2337N	88.1338W



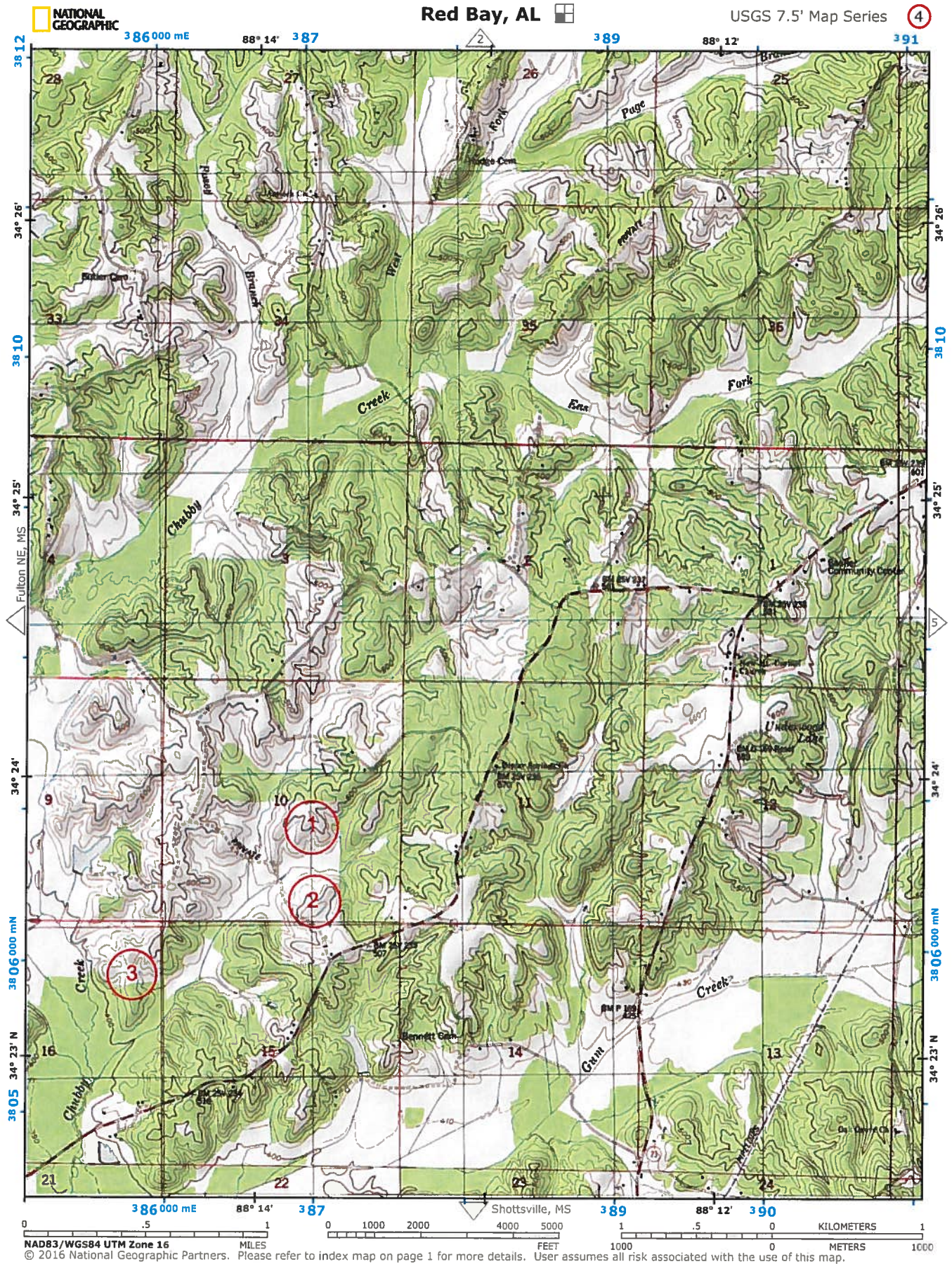
THOMAS MINE 82 Acres
Parts of S10, T8S, R10E and S16, T8S R10E
Itawamba County, MS

GPS Corner Locations

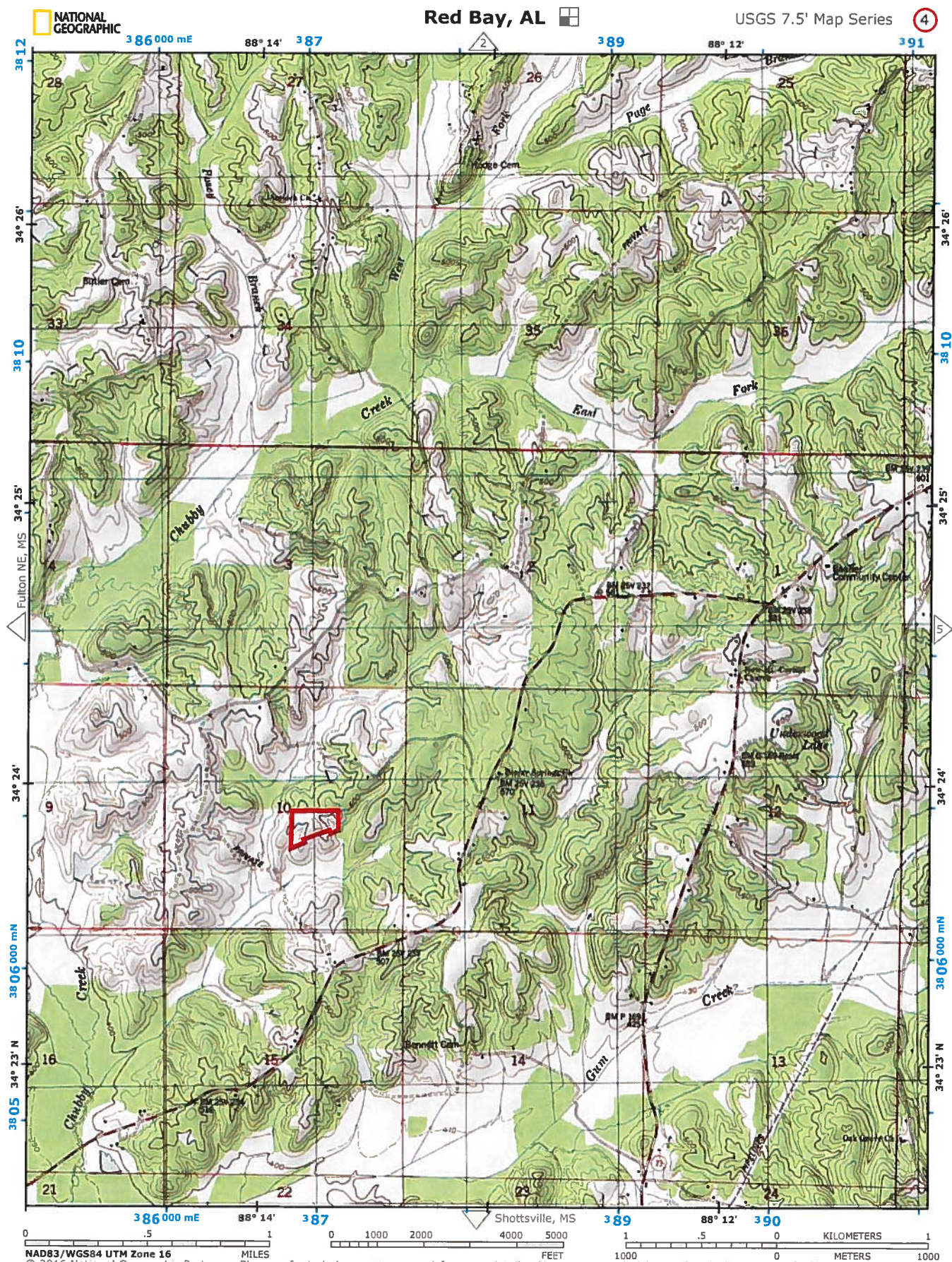
TRACT 3		
NW	34.2321N	88.1440W
SW	34.2348N	88.1435W
SE	34.2372N	88.1425W
NE	34.2325N	88.1425W
N	34.2325N	88.1434W



THOMAS MINE TRACT LOCATIONS MAP #1

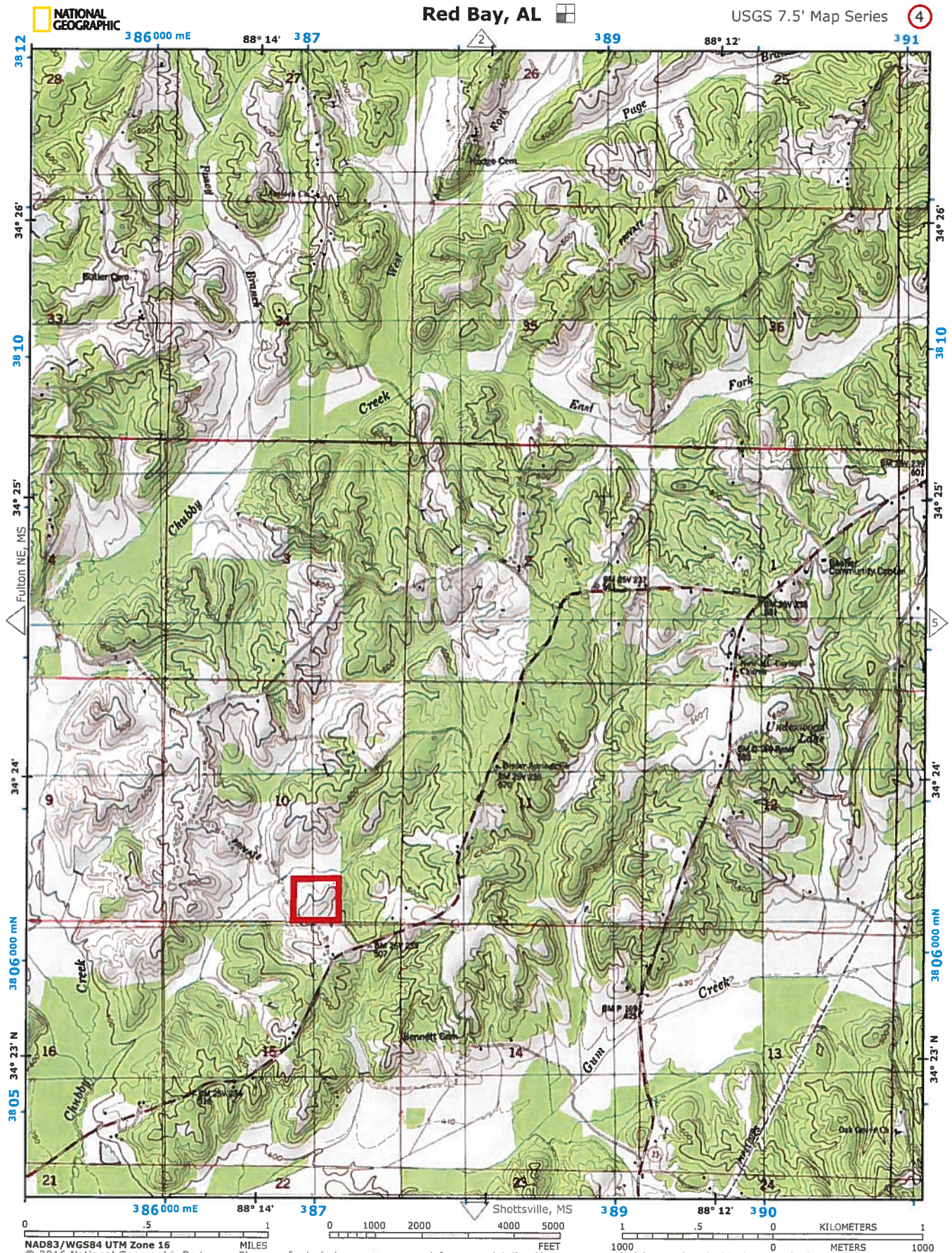


THOMAS MINE TRACT 1 - 16 ACRES MAP #1



- (1)-There are not water wells within 0.5 miles of the permit area
- (2)- The proposed mine boundary is outlined in RED above
- (3)- The nearest public road is Thomas Drive

THOMAS MINE TRACT 2 - 17 ACRES MAP #1

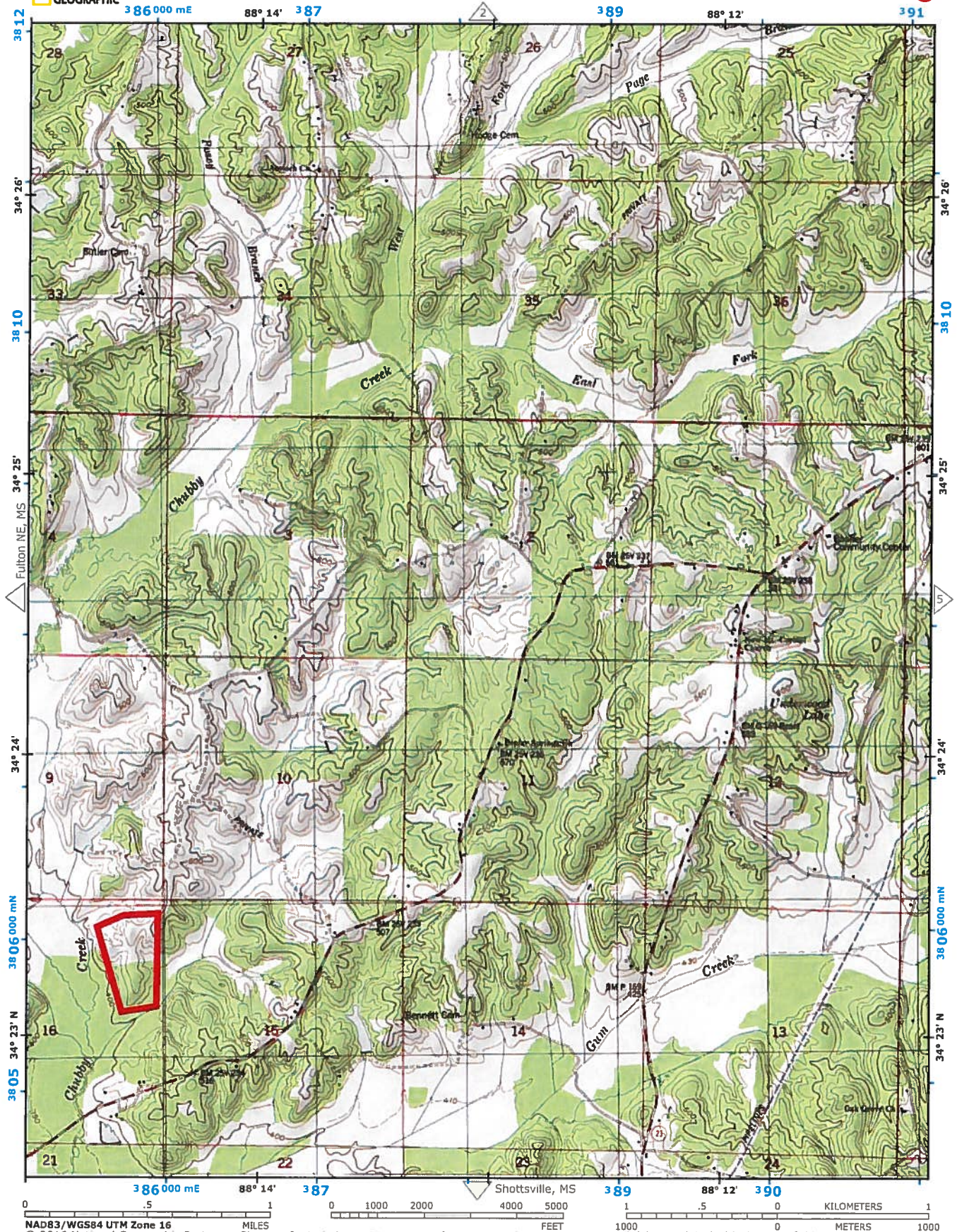


- (1)-There are not water wells within 0.5 miles of the permit area
- (2)- The proposed mine boundary is outlined in RED above
- (3)- The nearest public road is Thomas Drive

NATIONAL
GEOGRAPHIC

USGS 7.5' Map Series

4



© 2016 National Geographic Partners. Please refer to index map on page 1 for more details. User assumes all risk associated with the use of this map.

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- © 2016 National Geographic Partners. Please refer to index map on page 1 for more details. User assumes all
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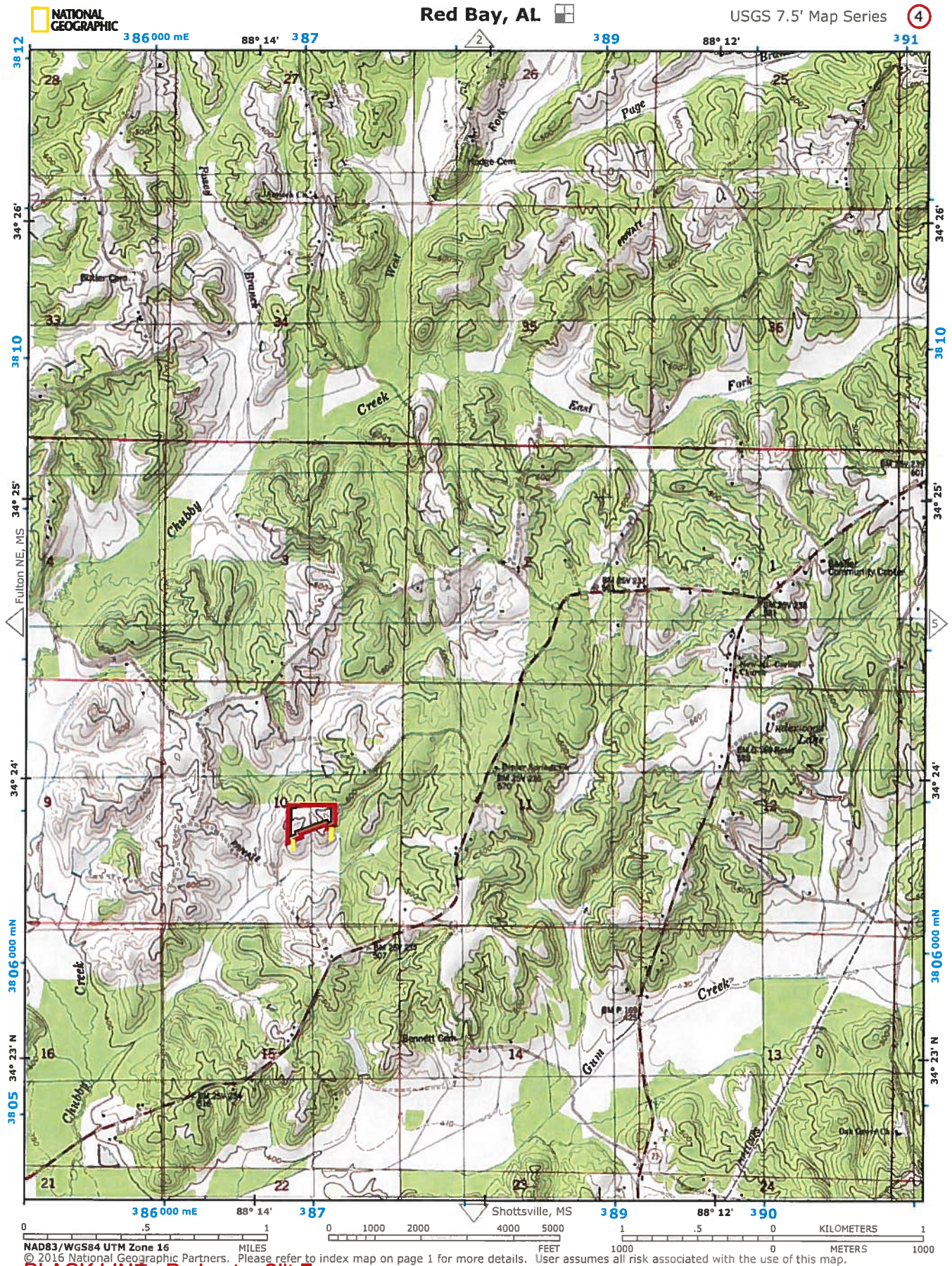
Thomas Mine 82 Acres
Parts of S10, T8S, R10E, and S16, T8S, R10E
Itawamba County, Mississippi

MAP #1 (4)
Site Surface Drainage Features



The surface of the mine site is served by an unnamed tributary of Chubby Creek which flows generally from Northeast to the Southwest portion of the site. There, that unnamed tributary converges with Chubby Creek, which generally flows North to South off-site.

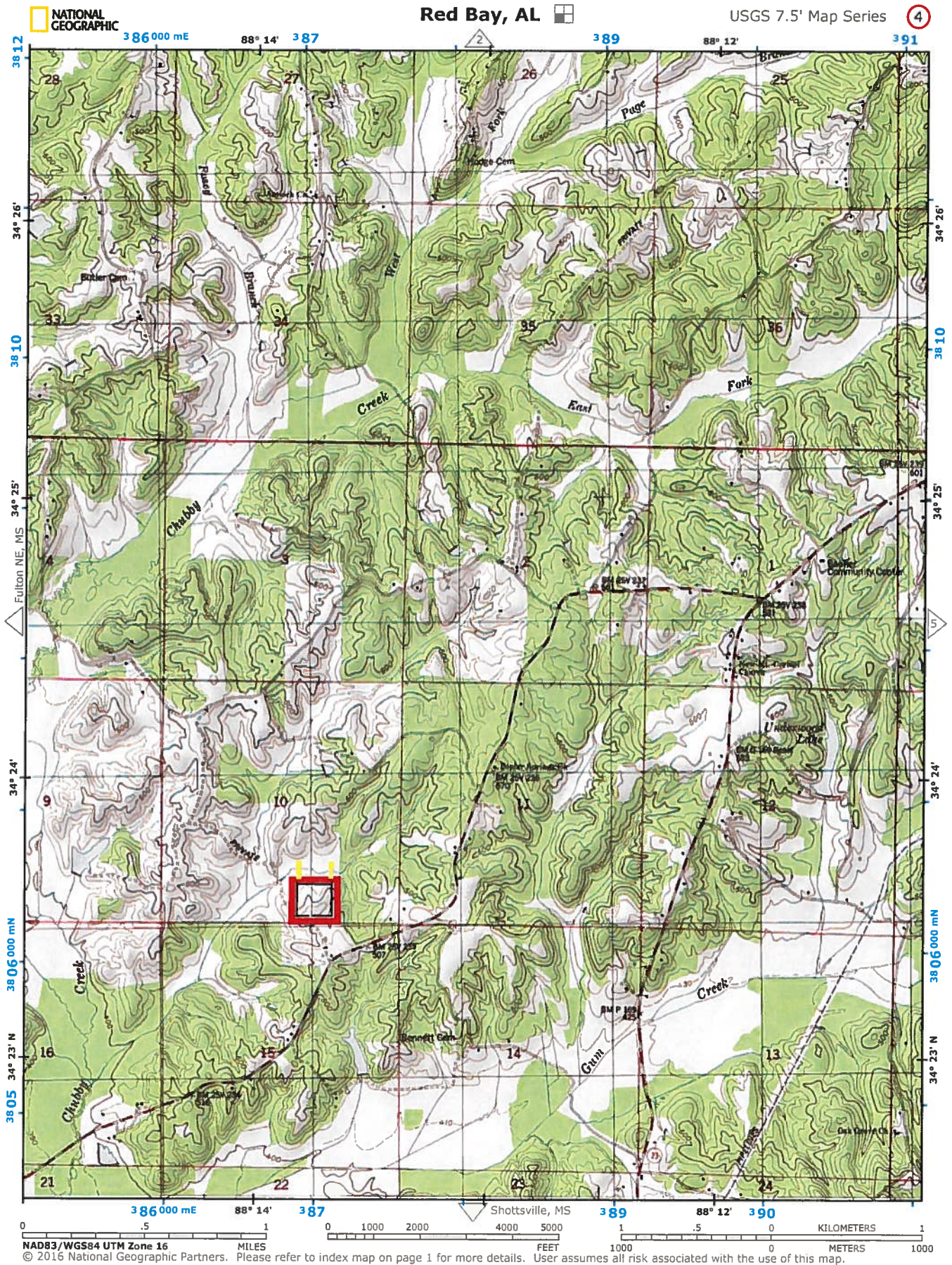
THOMAS MINE TRACT 1 - 16 ACRES MAP #2



BLACK LINE: Perimeter Silt Fence

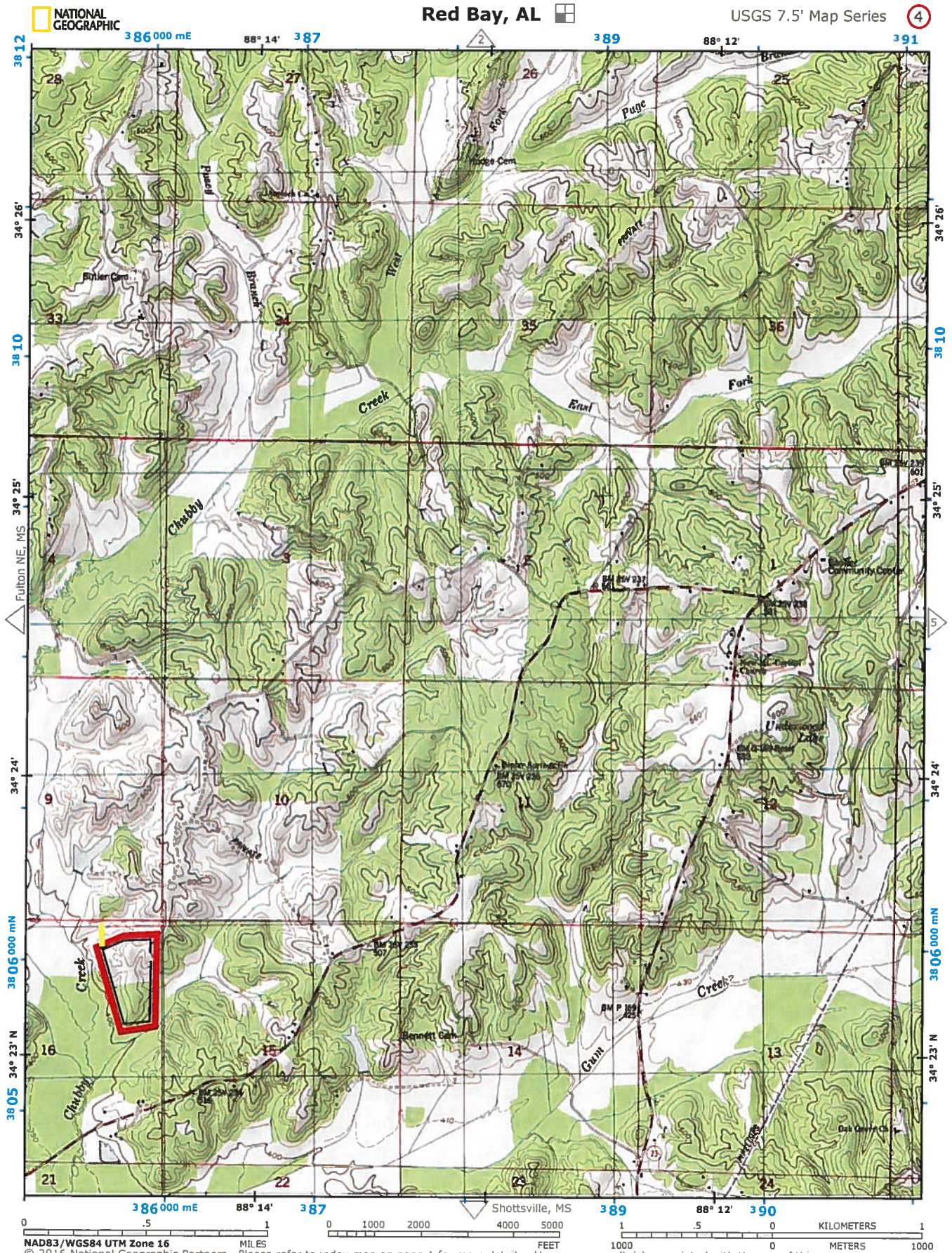
YELLOW LINES: Haul Roads to access SR 76 ROW

THOMAS MINE TRACT 2 - 17 ACRES
MAP #2



BLACK LINE: Perimeter Silt Fence
YELLOW LINES: Haul Roads to access SR 76 ROW

THOMAS MINE TRACT 3 - 47 ACRES
MAP #2



BLACK LINE: Perimeter Silt Fence
YELLOW LINES: Haul Roads to access SR 76 ROW