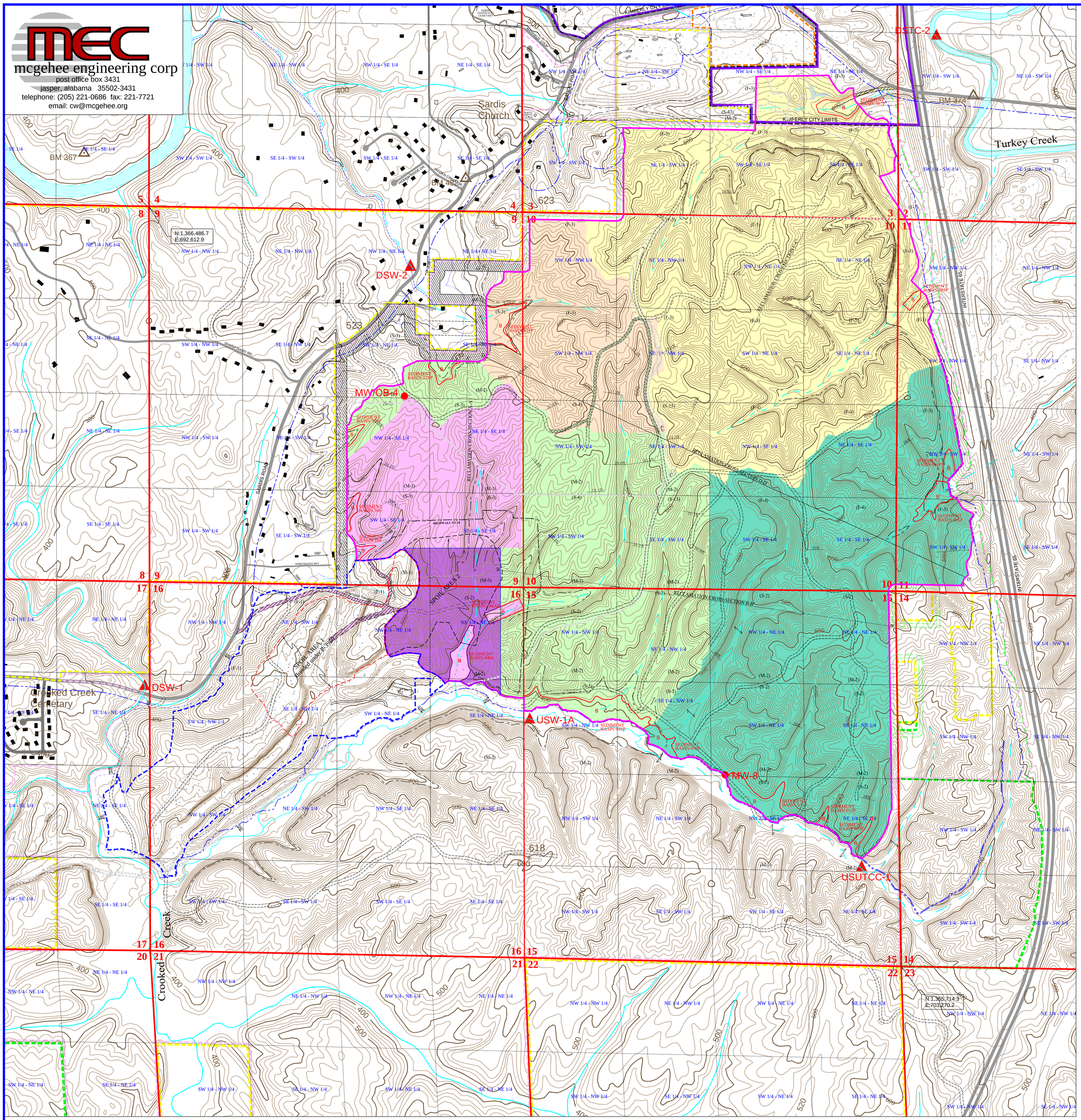
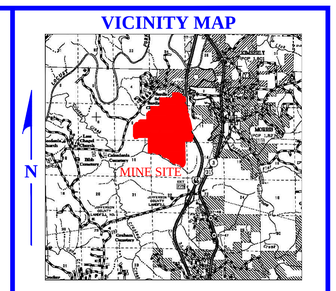
mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: cw@mcgehee.org



VICINITY MAP



SCALE: 1" = 2 MILES

MAP LEGEND

- ASMC PERMIT AREA
- PREVIOUSLY SURFACE MINED
- SURFACE OWNERSHIP DIVIDE OTHER THAN QUARTER/QUARTER LINE
- MINERAL OWNERSHIP DIVIDE OTHER THAN QUARTER/QUARTER LINE
- (S-1) SURFACE OWNERSHIP
- (M-1) MINERAL OWNERSHIP
- (F-1) FEE OWNERSHIP (SURFACE & MINERAL)
- HW EXISTING HIGHWALL
- A % A' RECLAMATION CROSS-SECTION/ SLOPE MEASUREMENT
- PUBLIC ROAD
- PRIVATE ROAD
- PRIMARY ROAD
- NC NEW CASTLE SEAM COAL CROPLINE
- ML MARY LEE SEAM COAL CROPLINE
- BC BLUE CREEK SEAM COAL CROPLINE
- DRAINAGE COURSE
- INTERMITTENT AND/OR PERENNIAL STREAM
- DRAINAGE DIVIDE
- SETBACK OFFSET
- I-65 RIGHT-OF-WAY
- OCCUPIED DWELLING
- UNOCCUPIED BUILDING/BARN, SHED, ETC.
- D> DIVERSION DITCH AND/OR ROADSIDE DITCH
- C COAL STOCKPILE
- T TOPSOIL STOCKPILE
- LAND HOOK
- MW-1 GROUNDWATER MONITORING SITE
- B SEDIMENT BASIN
- IMPOUNDED WATER
- ZONING I-3S
- ZONING A-1
- ZONING C-2
- ZONING I-3
- P-3185
- P-3950
- 50 FT. 50 FT. ZONING DISTURBANCE OFFSET
- 100 FT 100 FT. ZONING COAL EXTRACTION OFFSET
- 150 FT. JEFFERSON COUNTY NO DISTRUBANCE OFFSET

INCREMENT COLOR CODE

- INCREMENT NO. 1
- INCREMENT NO. 2
- INCREMENT NO. 3
- INCREMENT NO. 4
- INCREMENT NO. 5

NOTES:

NO BUILDINGS WITHIN 1,000' OF PERMIT AREA OTHER THAN SHOWN.

LAND HOOK CONVEYS SURFACE AND MINERAL OWNERSHIP.

SURFACE AND MINERAL OWNERSHIP BY FORTY EXCEPT WHERE NOTED OTHERWISE.

LOCATION OF COAL AND TOPSOIL STOCKPILES ARE SUBJECT TO CHANGE.

NO CITY OR TOWN LIMITS EXIST WITHIN 1,000' OF PERMIT AREA OTHER THAN SHOWN.

NO CITY OR TOWN POLICE JURISDICTIONS EXIST WITHIN 1,000' OF PERMIT AREA OTHER THAN SHOWN.

NOTE: Section lines and forty lines based on surveyed section ccosures. Map coordinate system is NAD 27 - Alabama West Zone.

N
W E
S

CONTOUR INTERVAL: 10 FT.
BASED OFF OF 2 FT JEFF. CO. CONTOURS

SECTIONS 2, 3, 9, 10, 11, 14, 15, 16
TOWNSHIP 15 SOUTH, RANGE 3 WEST,
ALL IN JEFFERSON COUNTY, ALABAMA
BASE MAP: GARDENDALE & WARRIOR U.S.G.S. QUADS.

BOND LEGEND R-2

INCREMENT NO. 1	
MINING AREA	160.0 ACRES
PRIMARY ROADS (PRIMARY ROAD NO. 1 PERMITTED AND BONDED UNDER P-3950)	0.25 ACRES
PRIMARY ROADS (PRIMARY ROAD NO. 2 PERMITTED AND BONDED UNDER P-3950 AS ROUTE OF TRAVEL)	5.0 ACRES
OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	ON SITE
SEDIMENT BASINS 046A, 104, 106	3.0 ACRES
SEDIMENT BASINS 046	3.0 ACRES
TOTAL PERMITTED AREA	171.0 ACRES
TOTAL BONDED AREA	166.0 ACRES

INCREMENT NO. 2	
MINING AREA	266.0 ACRES
PRIMARY ROADS	P-3950
ANCILLARY ROAD FOR HIGHWALL ACCESS	2.0 ACRES
OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	ON SITE
SEDIMENT BASIN 049	9.0 ACRES
SEDIMENT BASINS 120 & 124	3.0 ACRES
TOTAL BONDED AREA	280.0 ACRES

INCREMENT NO. 3	
MINING AREA	116.0 ACRES
PRIMARY ROADS	P-3950
OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	ON SITE
SEDIMENT BASIN 125	4.0 ACRES
TOTAL BONDED AREA	120.0 ACRES

INCREMENT NO. 4	
MINING AREA	437.0 ACRES
PRIMARY ROADS	1.0 ACRE
OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	ON SITE
SEDIMENT BASIN 063, 067	4.0 ACRES
TOTAL BONDED AREA	442.0 ACRES

INCREMENT NO. 5	
MINING AREA	374.0 ACRES
PRIMARY ROADS	P-3950
OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	ON SITE
SEDIMENT BASINS 050, 051, 052, 053, 061, 086	14.0 ACRES
TOTAL BONDED AREA	388.0 ACRES

TOTAL PERMIT AREA	1,401.0 ACRES
TOTAL BONDED AREA	1,396.0 ACRES

NATURE OF REVISION R-2

1. Modify the operation plan to show designated spoil area on P-3950.
2. Modify Sediment Basin 046.
3. Add 53 mining acres to Inc. 1 (previously bonded under P-3950). Basin 046 (3 acres) is already bonded in Inc. 1 under P-3987.
4. REVISED
5. Show the current route of travel through P-3950.

SPOIL AREA 2 - BONDED UNDER P-3987

SPOIL AREA 1 BONDED UNDER P-3950

OWNERSHIP LEGEND

SURFACE OWNERSHIP
(S-2) M LLC
(S-3) SUMLEARAN., LLC.
(S-4) CHARLES R. & JOHN D. WILLIS
(S-5) KENNETH S. & EILEEN T. ROGERS
(S-15) WILLIAM H. & MARY T. WILLIS

MINERAL OWNERSHIP
(M-1) BLACK WARRIOR MINERALS, INC.
(M-2) WARRIOR MET COAL LAND, LLC
(M-3) HUDDLESTON MINERALS, LLC.

FEE OWNERSHIP
(F-1) BLACK WARRIOR MINERALS, INC.
(F-3) WARRIOR MET COAL LAND, LLC
(F-4) MYRTLE McCABE
(F-5) MARIGOLD LAND CO.

I HEREBY CERTIFY THIS MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL ENGINEER DATE

BLACK WARRIOR MINERALS, INC.

MINE NO. 2, P-3987, R-2

PERMIT MAP

FILE: MINE NO. 2	SCALE: 1" = 500'	JOB NO.:
APPROVED BY: B.K.S.	DATE: 10-20-2016	SHEET NO.: 1 OF 1