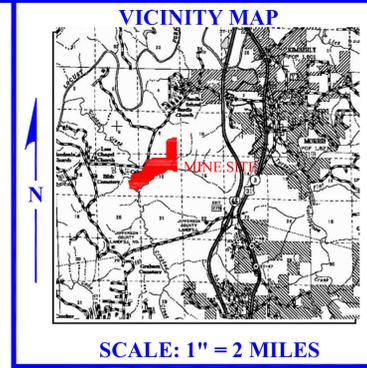


INCREMENT COLOR CODE

Light Blue	INCREMENT NO. 1
Light Green	INCREMENT NO. 2
Light Orange	INCREMENT NO. 3
Light Yellow	INCREMENT NO. 4
Light Purple	INCREMENT NO. 5
Light Red	INCREMENT NO. 6



MAP LEGEND

Red outline	ASMC PERMIT AREA
Blue dashed line	PREVIOUSLY SURFACE MINED
Black dashed line	SURFACE OWNERSHIP DIVIDE OTHER THAN QUARTER/QUARTER LINE
Black solid 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
Grey line	PUBLIC ROAD
Black dashed line	PRIVATE ROAD
Black solid line	PRIMARY ROAD
Black dashed line	ANCILLARY ROAD
—nc—	NEW CASTLE SEAM COAL CROPLINE
—ml—	MARY LEE SEAM COAL CROPLINE
—bc—	BLUE CREEK SEAM COAL CROPLINE
—Thin—	JAGGER SEAM LIMITS
Blue line	DRAINAGE COURSE
Blue dashed line	INTERMITTENT AND/OR PERENNIAL STREAM
Red dashed line	DRAINAGE DIVIDE
Red dashed line	SETBACK OFFSET
Black square	OCCUPIED DWELLING
White square	UNOCCUPIED BUILDING/BARN, SHED, ETC.
D>	DIVERSION DITCH AND/OR ROADSIDE DITCH
C	COAL STOCKPILE
T	TOPSOIL STOCKPILE
Land hook symbol	LAND HOOK
Red circle	GROUNDWATER MONITORING SITE
B	SEDIMENT BASIN
Blue area	IMPOUNDED WATER
Blue dashed line	ZONING I-3S
Yellow dashed line	ZONING A-1
Green dashed line	P-3185
Red dashed line	50 FT. NO DISTURBANCE ZONING OFFSET BETWEEN A-1 AND ORIGINAL I-3S
Green dashed line	150 FT. NO DISTURBANCE ZONING OFFSET BETWEEN A-1 AND RECENTLY RE-ZONED TO I-3S
Orange dashed line	600' BLASTING OFFSET FROM OCCUPIED DWELLING

NATURE OF REVISION R-4

1. Modify the operation plan.
2. Modify the proposed post-mining slopes.

NATURE OF REVISION R-5

1. Delete 12 mining acres and Basin 117P from Inc. 1 as undisturbed.
2. Delete 22 mining acres from Inc. 4 as undisturbed.
3. Transfer 22 mining acres from Inc. 3 to Inc. 2.
4. Transfer 15 mining acres from Inc. 5 to Inc. 3.
5. Transfer 23 mining acres from Inc. 5 to Inc. 4.
6. Transfer 0.3 mining acres from Inc. 2 to Inc. 3 (no acreage change)
7. Add 12 mining acres and Basin 103P to Inc. 3.
8. Add 9 mining acres to Inc. 4.
9. Add 6 mining acres to Inc. 5.
10. Add 1 new acre to Inc. 6 for ancillary road.
11. Transfer 4 incidental acres from Inc. 5 to Inc. 6 for ancillary roads
12. Transfer 3 mining acres from Inc. 1 to Inc. 2
13. Transfer 3 mining acres from Inc. 2 to Inc. 1
14. Modify the operation plan.
15. Modify the drainage control plan.
16. Extend the topsoil waiver to 28 acres being added.
17. Modify the Hydrologic Monitoring Plan.

SECTION CORNERS ARE FROM SURVEYED SECTIONS PERMIT MAP COORDINATE SYSTEM IS NAD 27 ALABAMA WEST ZONE (FEET)
SECTION CORNERS ON REVISION R-4 MAP WERE FROM USGS QUAD SHEET



SECTIONS 9, 16, & 17
TOWNSHIP 15 SOUTH, RANGE 3 WEST,
ALL IN JEFFERSON COUNTY, ALABAMA
BASE MAP: GARDENDALE U.S.G.S. QUAD.



OWNERSHIP LEGEND

SURFACE OWNERSHIP	MINERAL OWNERSHIP
(S-1) BLACK WARRIOR MINERALS, INC.	(M-1) BLACK WARRIOR MINERALS, INC.
(S-2) M LLC	(M-2) WALTER MINERALS, INC.
(S-3) SUMLEARAN, LLC.	(M-3) HUDDLESTON MINERALS, LLC.
(S-4) CHARLES R. WILLIS & JOHN D. WILLIS	
(S-5) KENNETH S. & EILEEN T. ROGERS	FEE OWNERSHIP
(S-6) STATE OF ALABAMA SCHOOL LANDS	(F-1) BLACK WARRIOR MINERALS, INC.
(S-7) MARY L. KNOX	

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.

NO TOPSOIL STOCKPILES SHOWN DUE TO TOPSOIL VARIANCE REQUEST.

BOND LEGEND, R-5

INCREMENT NO. 1 MINING AREA PRIMARY ROADS OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA SEDIMENT BASINS 117, 118 SEDIMENT BASINS 041, 042, 044	78.0 ACRES INC. NO. 6 ON SITE ON SITE ON SITE ON SITE
INCREMENT NO. 2 MINING AREA PRIMARY ROADS OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA SEDIMENT BASIN 046	87.0 ACRES INC. NO. 6 ON SITE ON SITE ON SITE
INCREMENT NO. 3 MINING AREA PRIMARY ROADS OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA SEDIMENT BASIN 046 & 103	92.0 ACRES INC. NO. 6 ON SITE ON SITE
INCREMENT NO. 4 MINING AREA PRIMARY ROADS OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA SEDIMENT BASIN 046, 103	92.0 ACRES INC. NO. 3 ON SITE
INCREMENT NO. 5 MINING AREA PRIMARY ROADS OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA SEDIMENT BASIN 046 & 103	97.0 ACRES INC. NO. 6 ON SITE ON SITE
INCREMENT NO. 6 MINING AREA PRIMARY ROADS SEDIMENT BASINS 041, 042, 044, 119 ANCILLARY ROADS	37.0 ACRES 3.0 ACRES 20.0 ACRES 5.0 ACRES
TOTAL BONDED AREA	354.0 ACRES

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. 1, P-3950, R-5

PERMIT MAP

FILE: MINE NO. 1	SCALE: 1" = 500'	JOB NO.:
APPROVED BY: C.W.M.	DATE: 08/12/14	SHEET NO.: 1 OF 1