

2009 TA-0456

Telephone: (205) 384-5553
 Facsimile: (205) 295-3114 - Main Building
 (205) 295-3115 - Water Lab
 www.percengineering.com

See also 2008-TA-0759

July 16, 2014

Mr. William J. Pearson
 Fish and Wildlife Services
 Daphne ES Field Office
 1208-B Main Street
 Daphne AL 36526

Post-it® Fax Note 7671		Date	# of pages
To	Pete Parrish	7-28-14	
Co./Dept.		From	USFWS
Phone #		Co.	
Fax #	205-295-3114	Phone #	
		Fax #	

2014

RE: Black Warrior Minerals, Inc., Seaboard Mine, ASMC Permit P-3937, Revision 5

Dear Mr. Pearson:

Attached is a request for the identification of areas of special concern and mapping showing the proposed permit area for the above referenced disturbance for a surface coal mining operation. This area is identified on the attached map as the "Area of Interest." Please process at your earliest convenience. Your prompt consideration will be most appreciated.

If you require additional information, please feel free to call me at (205) 384-5553.

Sincerely,
 PERC Engineering Co., Inc.

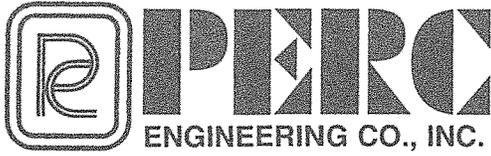
R. Evan "Pete" Parrish
 R. Evan "Pete" Parrish



U.S. Fish and Wildlife Service
 1208-B - Daphne, Alabama 36526
 Phone: 251-441-5181 Fax: 251-441-6222

No federally listed species/critical habitat are known to occur in the project area. IF PROJECT DESIGN CHANGES ARE MADE, PLEASE SUBMIT NEW PLANS FOR REVIEW. SITE MAY CONTAIN WETLANDS. Contact U.S. Army Corps of Engineers for a jurisdictional wetlands determination. We recommend the use of best management practices specific to your project (See <http://www.fws.gov/daphne/section7/bmp.html>).

William J. Pearson
 William J. Pearson, Field Supervisor
 Date 7-28-2014 # 4



Telephone: (205) 384-5553
Facsimile: (205) 295-3114 - Main Building-
(205) 295-3115 - Water Lab
Web Address: www.percengineering.com

July 16, 2014

Mr. William J. Pearson
Fish and Wildlife Services
Daphne ES Field Office
1208-B Main Street
Daphne AL 36526

RE: Black Warrior Minerals, Inc., Seaboard Mine, ASMC Permit P-3937, Revision 5

Dear Mr. Pearson:

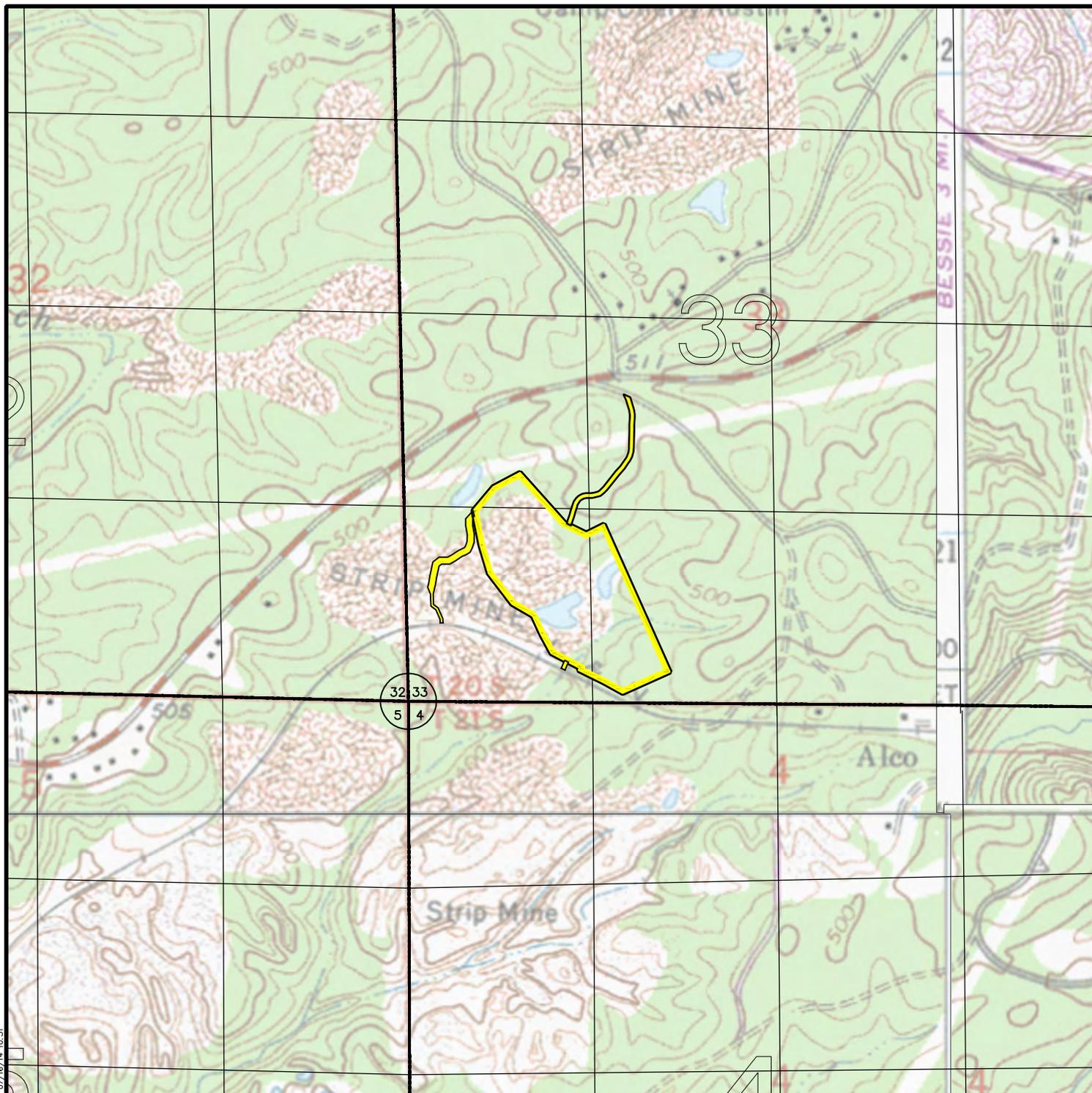
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If you require additional information, please feel free to call me at (205) 384-5553.

Sincerely,
PERC Engineering Co., Inc.

A handwritten signature in black ink that reads "R. Evan 'Pete' Parrish". The signature is written in a cursive style with a large initial 'R' and 'P'.

R. Evan "Pete" Parrish



BASE MAP - COTTONDALE & LAKE NICOL, ALABAMA 7.5 MINUTE U.S.G.S. QUADRANGLE MAPS.

LEGEND

 AREA OF INTEREST - 28 ACRES

NOTES:

1. STUDY 50' WIDE STRIP ALONG THE STREAMS
2. AREA OF INTEREST IN SECTION 33, TOWNSHIP 20 SOUTH, RANGE 8 WEST, TUSCALOOSA COUNTY, ALABAMA.



**BLACK WARRIOR MINERALS, INC.
SEABOARD MINE/P-3937
REVISION R-5
SITE LOCATION MAP**

DRAWN BY: S.W.L.	DATE: 07/16/14
DWG. NAME: BWMSBAOI-2000	
APPROVED BY: L.G.S.	SCALE: 1" - 1000'

From: [Peters, Ashley](#)
To: [Pete Parrish](#)
Subject: RE: Black Warrior Minerals, Seaboard Mine, ASMC Permit P-3937 Revision 5
Date: Monday, July 14, 2014 12:40:22 PM
Attachments: [14-07-02.doc](#)
[Tuscaloosa.pdf](#)

Mr. Parrish,

I've attached a letter in response to your request regarding the Black Warrior Minerals – Seaboard Mine project area. Also attached is a list of sensitive species that are believed to potentially occur in Tuscaloosa County.

Please let me know if I can be of further assistance.

Ashley Peters, GISP
Ala. Dept. of Conservation and Natural Resources
State Lands Division, Natural Heritage Section
Phone: (334) 353-7878

From: Pete Parrish [mailto:pparrish@percengineering.com]
Sent: Monday, July 14, 2014 11:34 AM
To: Peters, Ashley
Subject: Black Warrior Minerals, Seaboard Mine, ASMC Permit P-3937 Revision 5

Ms. Peters:

I have attached a Request for Identification of Special Concern for a Surface Coal Mine.

Please contact me if you have any questions.

Pete Parrish
Phone: (205)295-3100
Fax: (205)295-3138
pparrish@percengineering.com
www.percengineering.com



REQUEST FOR IDENTIFICATION OF AREAS OF SPECIAL CONCERN FOR A
SURFACE COAL MINING OPERATION

Date: July 14, 2014

Mining Company Name:	<u>Black Warrior Minerals, Inc.</u>
Return Address:	<u>c/o PERC Engineering Co., Inc</u>
	<u>PO Box 1712</u>
	<u>Jasper, AL 35502-1712</u>
Contact Person:	<u>Pete Parrish</u>
Email:	<u>pparrish@percengineering.com</u>
Mine Name:	<u>Seaboard Mine P-3937 Revision 5</u>
Type of Mining Operation:	<u>Surface Coal Mine</u>
Number of Acres to be Disturbed:	<u>+/- 28 acres</u>
County:	<u>Tuscaloosa</u>

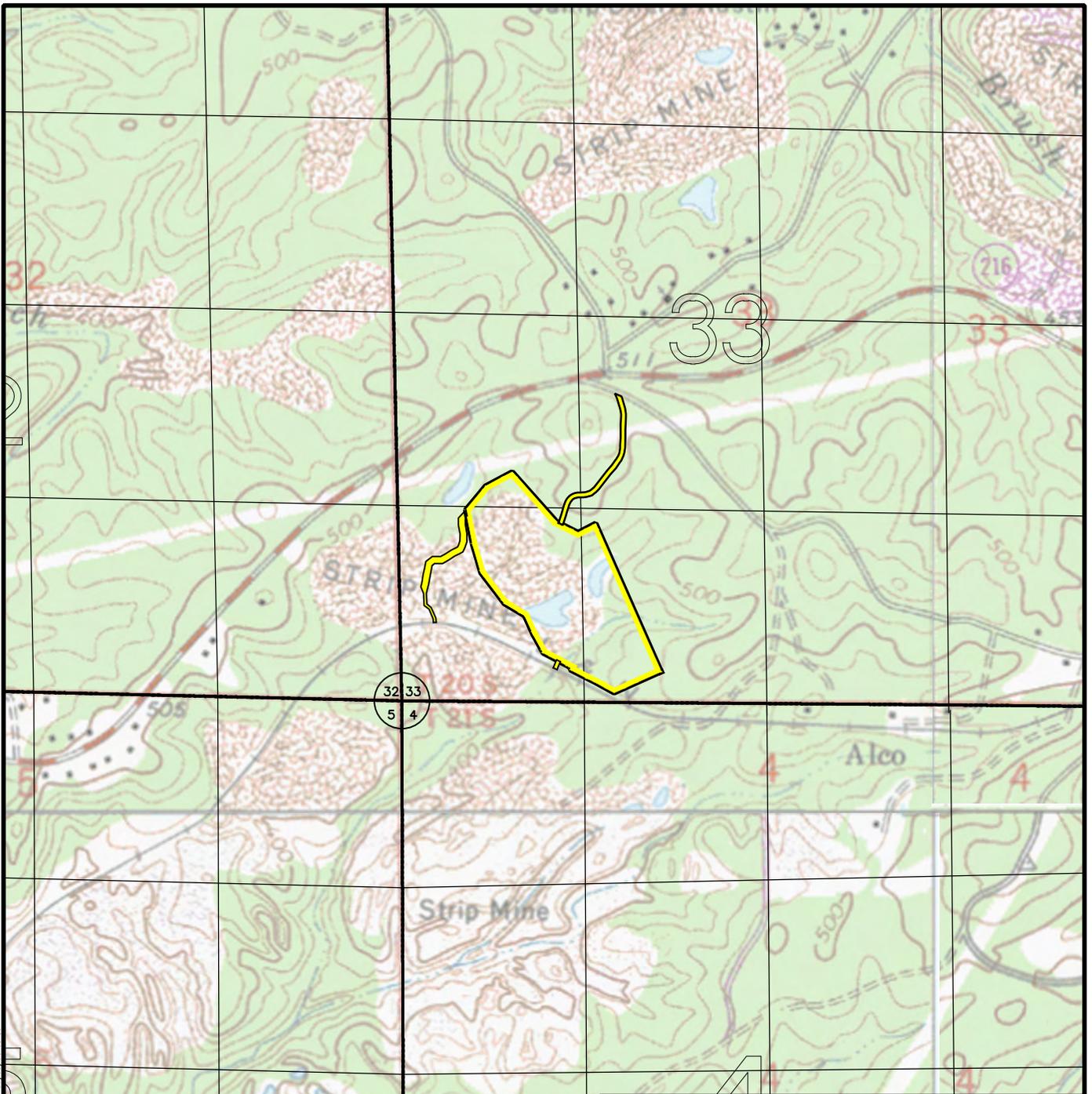
Section(s), Township(s) and Range(s) of the areas contained in the Permit Area of the proposed project.

Sections 33, Township 20 South, Range 8 West

Latitude: 33° 15' 15" N Longitude: 87° 23' 04" W

Enclosed Copy of Map (1:2000 scale) showing:

1. All topographical features as shown on a USGS quadrangle sheet.
2. An accurate outline of the proposed permit area, including all incidental facilities.
3. All previously mined disturbance.
4. All existing water bodies including lakes, ponds, streams, depressions, swamps and wetlands which exceed one-fourth acre in size.
5. The current landuse(s) of the permit area and the area immediately adjacent to the permit area.
6. The dominant vegetation communities on the permit area and the immediate adjacent area.
7. A legend which includes map scale, the USGS quad sheet name and other appropriate symbols and indices.



BASE MAP – COTTONDALE & LAKE NICOL, ALABAMA 7.5 MINUTE U.S.G.S. QUADRANGLE MAPS.

LEGEND

AREA OF INTEREST – 28 ACRES

NOTES:

1. STUDY 50' WIDE STRIP ALONG THE STREAMS
2. AREA OF INTEREST IN SECTION 33, TOWNSHIP 20 SOUTH, RANGE 8 WEST, TUSCALOOSA COUNTY, ALABAMA.

Scale: 1" = 1000'



**BLACK WARRIOR MINERALS, INC.
SEABOARD MINE/P-3937
REVISION R-5
SITE LOCATION MAP**

DRAWN BY:	S.W.L.	DATE:	07/16/14
DWG. NAME:	BWMSBAOI-2000		
APPROVED BY:	L.G.S.	SCALE:	1" – 1000'



STATE OF ALABAMA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
64 NORTH UNION STREET, SUITE 464
MONTGOMERY, ALABAMA 36130

ROBERT BENTLEY
GOVERNOR

N. GUNTER GUY, JR.
COMMISSIONER

CURTIS JONES
DEPUTY COMMISSIONER

PATRICIA J. POWELL, DIRECTOR
STATE LANDS DIVISION

TELEPHONE (334) 242-3484
FAX NO (334) 242-0999

July 16, 2014

Mr. Pete Parrish
PERC Engineering Co., Inc.
P.O. Box 1712
Jasper, AL 35502-1712

RE: Sensitive Species Information request
Black Warrior Minerals, Inc. - Seaboard Mine

Dear Mr. Parrish:

The Natural Heritage Section office received your e-mail dated 7/14/2014 addressed to Ashley Peters on 7/14/2014 and has since developed the following information pertaining to sensitive species (state protected, and federally listed candidate, threatened, and endangered species). I have enclosed a list of sensitive species which the Natural Heritage Section Database or the U.S. Fish and Wildlife Service have indicated occur or have occurred in Tuscaloosa County. Additionally, I have listed some potentially helpful and informative web sites at the end of this letter.

The Natural Heritage Section database contains numerous records of sensitive species in Tuscaloosa County. Our database indicates the area of interest has had no biological survey performed at the delineated location, by our staff or any individuals referenced in our database. Therefore we can make no accurate assessment to the past or current inhabitancy of any federal or state protected species at that location. A biological survey conducted by trained professionals is the most accurate way to ensure that no sensitive species are jeopardized by the development activities.

The closest sensitive species is recorded in our database as occurring approximately 0.6 miles from the subject site. This state protected species (Seepage Salamander) has possibly 6-20 extant occurrences in Alabama. Logging activities have extirpated some Alabama populations where they are moderately threatened due to conversion of hardwood forest to pine plantation. This species inhabits leaf litter or surface debris on the floors of mixed hardwood forests near small creeks, springs, and seepage areas.*



Pete Parrish
7/16/2014
Page 2

I hope this information will be useful to you. The provided information is to help you in fulfilling your necessary legal obligations. This does not constitute any form of Section 7 consultation. The Natural Heritage Section recommends that the U. S. Fish and Wildlife Service field office in Daphne be contacted for Section 7 consultations.

The information does not suggest that protected species are not at this location. The specific location of a sensitive species is considered confidential information by a State Lands Division Regulation and can be released only to individuals who enter into a confidentiality and indemnity contract with the State Lands Division.

The Natural Heritage Section provides this information as a service to the people of Alabama. The NHS acts as a clearing house for species distribution data. We happily accept any information environmental researchers are willing to donate. Sensitive species exact locations are kept confidential. If you would be willing to donate any information to this database, we will be better able to assist all individuals interested in environmental compliance.

Sincerely,



Ashley Peters
Database Manager
Natural Heritage Section

Enclosures

*Paraphrased Information from NatureServe.2014. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. NatureServe, Arlington, Virginia. Available <http://www.natureserve.org/explorer>. (Accessed: April 3, 2014).

Potentially helpful web sites

Information about federally listed species
<http://daphne.fws.gov/es/specieslst.htm>
<http://www.pfmt.org/wildlife/endangered/>
<http://www.natureserve.org/explorer/>

State Protected Species Regulations:
<http://www.outdooralabama.com/hunting/regulations/regs.cfm>

ALABAMA'S FEDERALLY LISTED AND STATE PROTECTED SPECIES (BY COUNTY)

This is a list of protected species that are believed to occur in the designated county and the legal protection status of each species. This list is a combination of the U.S. Fish and Wildlife Service (Daphne field office) federally listed species county and state lists and the Alabama State Lands Division's Natural Heritage Section (SLD-NHS) Database of species occurrence data. This list is continually being updated, and, therefore, it may be incomplete or inaccurate and is provided strictly for informational purposes. Site specific information can be provided by the Alabama SLD-NHS and/or the U.S. Fish and Wildlife Service (Daphne field office) prior to project activities. To be certain of occurrence, surveys should be conducted by qualified biologists to determine if a sensitive species occurs within a project area. Species not listed for a given county does not imply that they do not occur there, only that their occurrence there is as yet unrecorded by these two agencies. This list is currently under review and reflects only our current understanding of species distributions. It also does not constitute any form of Section 7 consultation. The Alabama SLD-NHS recommends that the U.S. Fish and Wildlife Service field office in Daphne be contacted for Section 7 consultations.

Tuscaloosa

Protection Status	Common Name	Scientific Name	Applicable State Regulation
Threatened / State Protected	Alabama Heelsplitter	<i>Potamilus inflatus</i>	220-2-.98 (1) (a)
State Protected	Alabama Map Turtle	<i>Graptemys pulchra</i>	220-2-.92 (1) (c)
Threatened / State Protected	Alabama Moccasinshell	<i>Medionidus acutissimus</i>	220-2-.98 (1) (a)
State Protected	Alabama Shad	<i>Alosa alabamae</i>	220-2-.92 (1) (a)
State Protected	Alligator Snapping Turtle	<i>Macrochelys temminckii</i>	220-2-.92 (1) (c)
State Protected	American Alligator	<i>Alligator mississippiensis</i>	220-2-.97
Candidate / State Protected	Black Warrior Waterdog	<i>Necturus alabamensis</i>	220-2-.92 (1) (b)
State Protected	Black-knobbed Map Turtle	<i>Graptemys nigrinoda</i>	220-2-.92 (1) (c)
State Protected	Coal Skink	<i>Plestiodon anthracinus</i>	220-2-.92 (1) (c)
Endangered / State Protected	Dark Pigtoe	<i>Pleurobema furvum</i>	220-2-.98 (1) (a)
State Protected	Eastern Coachwhip	<i>Coluber flagellum</i>	220-2-.92 (1) (c)
Threatened / State Protected	Finelined Pocketbook	<i>Hamiota altilis</i>	220-2-.98 (1) (a)
Threatened / State Protected	Flattened Musk Turtle	<i>Sternotherus depressus</i>	220-2-.92 (1) (c)
State Protected	Frecklebelly Madtom	<i>Noturus munitus</i>	220-2-.92 (1) (a)
Candidate	Georgia Aster	<i>Symphyotrichum georgianum</i>	
Endangered / State Protected	Gray Bat	<i>Myotis grisescens</i>	220-2-.92 (1) (e)
State Protected	Green Salamander	<i>Aneides aeneus</i>	220-2-.92 (1) (b)
Endangered	Harperella	<i>Harperella fluviatilis</i>	
Endangered / State Protected	Indiana Bat	<i>Myotis sodalis</i>	220-2-.92 (1) (e)
Endangered / State Protected	Mitchell's Satyr Butterfly	<i>Neonympha mitchellii mitchellii</i>	220-2-.98 (1) (b)
Threatened	Mohr's Barbara Button	<i>Marshallia mohrii</i>	
State Protected	Northern Pine Snake	<i>Pituophis melanoleucus melanoleucus</i>	220-2-.92 (1) (c)
Threatened / State Protected	Orangenacre Mucket	<i>Lampsilis perovalis</i>	220-2-.98 (1) (a)
Endangered / State Protected	Ovate Clubshell	<i>Pleurobema perovatum</i>	220-2-.98 (1) (a)
State Protected	Paddlefish	<i>Polyodon spathula</i>	220-2-.94
State Protected	Rainbow Snake	<i>Farancia erythrogramma</i>	220-2-.92 (1) (c)
Endangered / State Protected	Red-cockaded Woodpecker	<i>Picoides borealis</i>	220-2-.92 (1) (d)

State Protected	Seepage Salamander	<i>Desmognathus aeneus</i>	220-2-.92 (1) (b)
State Protected	Southeastern Five-lined Skink	<i>Plestiodon inexpectatus</i>	220-2-.92 (1) (c)
Endangered / State Protected	Southern Clubshell	<i>Pleurobema decisum</i>	220-2-.98 (1) (a)
Endangered / State Protected	Triangular Kidneyshell	<i>Ptychobranthus greenii</i>	220-2-.98 (1) (a)
Endangered / State Protected	Upland Combshell	<i>Epioblasma metastriata</i>	220-2-.98 (1) (a)
Candidate	White Fringeless Orchid	<i>Platanthera integrilabia</i>	
Endangered / State Protected	Wood Stork	<i>Mycteria americana</i>	220-2-.92 (1) (d)

Key to codes on list:

Endangered - Federally listed as an endangered species by the U. S. Fish and Wildlife Service

Threatened - Federally listed as a threatened species by the U. S. Fish and Wildlife Service

Candidate - Federally listed as a candidate species by the U. S. Fish and Wildlife Service

Experimental - Species is protected throughout its range, except for the nonessential experimental population, by the U. S. Fish and Wildlife Service

State Protected - It is unlawful to take, capture or kill; possess, sell or trade for anything of monetary value, or offer to sell or trade these species. Alabama Regulations relating to game, fish and furbearing animals. 2013-2014. Alabama Department of Conservation and Natural Resources. See <http://www.outdooralabama.com/watchable-wildlife/regulations/nongame.cfm> for more information.

Notes:

- Birds: The Nongame Species Regulation 220-2-.92 (1)(d) states: All nongame birds are protected under the provisions of this regulation except crows, starlings, blackbirds, English sparrows, Eurasian collared doves, pigeons and other non-native species.
- The Bald Eagle (*Haliaeetus leucocephalus*) has been delisted. This species is still protected by the Nongame Species Regulation and the Migratory Bird Act. This species is distributed statewide, but it is most likely to be observed near large rivers and reservoirs.
- Black Bear (*Ursus americanus* ssp.) may occur statewide.

**BIOLOGY MALACOLOGY ICHTHYOLOGY ENTOMOLOGY
TAXONOMY ORNITHOLOGY BOTANY**

ENVIRONMENTAL ASSESSMENTS

YOKLEY ENVIRONMENTAL CONSULTING SERVICE

**3698 Chisholm Road
Florence, Alabama 35630**

E-Mail: paulyokley@comcast.net

Cell Phone (256) 648-0182

August 27, 2014

Environmental Assessment

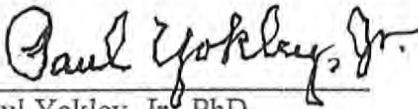
On August 26, 2014, an environmental assessment for habitat and the possible presence of federally listed and state protected species for Tuscaloosa County, Alabama, was conducted on the proposed site of the Black Warrior Minerals, Inc., Seaboard Mine/P-3937 Revision R-5, Tuscaloosa County, Alabama. A list of the sensitive species provided by the Natural Heritage Section Office of the Alabama Department of Conservation and Natural Resources is included with this environment assessment.

The proposed project site consists of approximately 28 acres [see topographic map and photos]. The site and adjacent land was surveyed by walking over the entire area looking for possible habitat and the actual presence of the listed species. Most of the proposed site location was surface mined prior to the Surface Mining Control and Reclamation Act of 1977. The site is a dry hilltop and hillside location with sandstone based soil. The region of the proposed site next to the railroad right-of-way has large surface mine spoil piles with steep hillsides and deep narrow erosion ditches. Two seepage ponds are associated with the proposed site and several seepage areas occur in locations on the site. The ponds on the topo map do not exist as shown. No aquatic animal species were observed in the seepage ponds, seepage areas, and seepage streams at the time of the survey. A small seepage stream flows out of the pond on the eastern portion of the site and across the proposed site to the adjacent railroad right-of way. The drainage for the western side seepage pond is to the north and west outside the boundary of the proposed site. The water in the eastern side pond was brown colored. The water in the western side pond was better quality due to fewer seepage areas. The seepage streams were yellow-orange due to iron hydroxide and had mats of acidophiles. Seepage stream pH was 6.0 and lower. One seepage stream source had a large colony of *Sphagnum* moss located along the edges of the seepage stream.

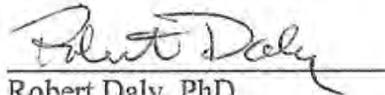
The eastern portion of the proposed site was cleared and planted in loblolly pines approximately ten years ago. This area is now a dense thicket of pines and other succession stage plants. Multiple old access roads extend across the location along with a power line right-of-way. The entire area is used for deer hunting and has several green fields and shooting houses. The vegetation on the central and western portion of the proposed site is a mix of

loblolly and Virginia pines with a few mixed hardwoods. Most of the area that does not have surface mine spoil piles was planted in loblolly pine over 30 years ago. The hilltop and dryer locations have Virginia pines. A gas well pad is located in the middle of the site with a gravel access road coming in from the north. The spoil pile area next to the railroad is a somewhat open natural succession stand of large loblolly and Virginia pines with a band of mixed hardwoods immediately next to the railroad right-of-way. This region of the proposed site is also a deer hunting location and has small green fields with shooting houses.

Massive historical disturbance of the area has destroyed the habitat for any of the listed species, if such habitat did exist at this location in the past. The loss of this habitat thus eliminated the presence of the listed species, if they were present at this location in the past. The proposed surface mine activity will not affect the listed species and their required habitat, since the listed species and their required habitat does not exist on the proposed site and adjacent land.



Paul Yokley, Jr., PhD
Biologist



Robert Daly, PhD
Biologist

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State Protected	Alabama Map Turtle	<i>Graptemys pulchra</i>	220-2-.92 (1) (c)
Threatened / State Protected	Alabama Moccasinshell	<i>Medionidus acutissimus</i>	220-2-.98 (1) (a)
State Protected	Alabama Shad	<i>Alosa alabamiae</i>	220-2-.92 (1) (a)
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State Protected	Frecklebelly Madtom	<i>Noturus munitus</i>	220-2-.92 (1) (a)
Candidate	Georgia Aster	<i>Symphytotrichum georgianum</i>	
Endangered / State Protected	Gray Bat	<i>Myotis grisescens</i>	220-2-.92 (1) (e)
State Protected	Green Salamander	<i>Aneides aeneus</i>	220-2-.92 (1) (b)
Endangered	Harperella	<i>Harperella fluviatilis</i>	
Endangered / State Protected	Indiana Bat	<i>Myotis sodalis</i>	220-2-.92 (1) (e)
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State Protected	Rainbow Snake	<i>Farancia erythrogramma</i>	220-2-.92 (1) (c)
Endangered / State Protected	Red-cockaded Woodpecker	<i>Picooides borealis</i>	220-2-.92 (1) (d)

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Endangered / State Protected	Upland Combshell	<i>Epioblasma metastriata</i>	220-2-.98 (1) (a)
Candidate	White Fringeless Orchid	<i>Platanthera integrilabia</i>	
Endangered / State Protected	Wood Stork	<i>Mycteria americana</i>	220-2-.92 (1) (d)

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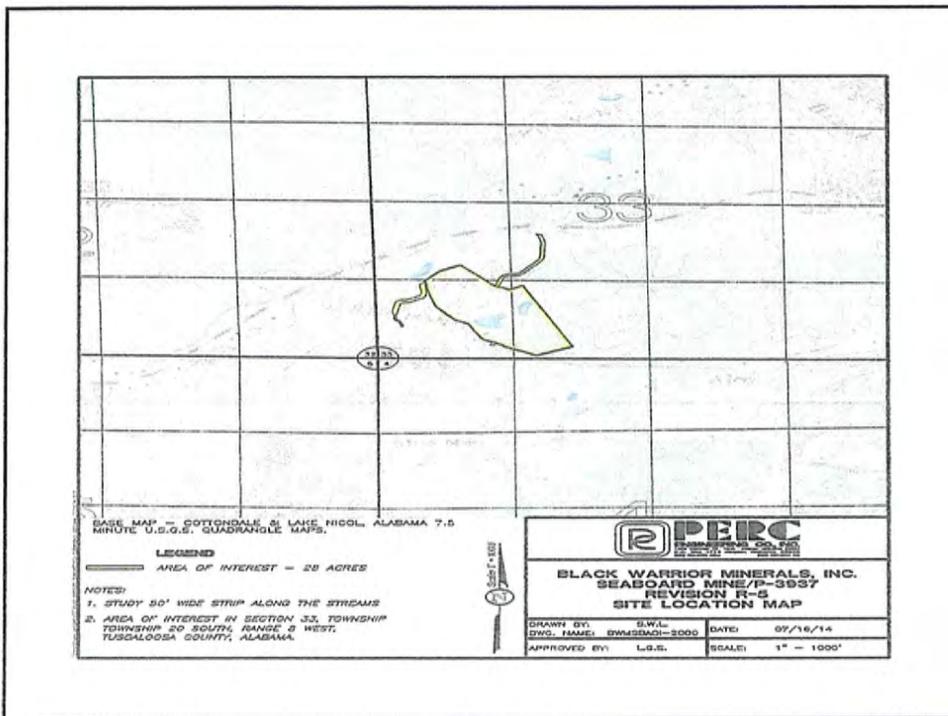
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State Protected - It is unlawful to take, capture or kill; possess, sell or trade for anything of monetary value, or offer to sell or trade these species. Alabama Regulations relating to game, fish and furbearing animals. 2013-2014. Alabama Department of Conservation and Natural Resources. See <http://www.outdooralabama.com/watchable-wildlife/regulations/nongame.cfm> for more information.

Notes:

- Birds: The Nongame Species Regulation 220-2-.92 (1)(d) states: All nongame birds are protected under the provisions of this regulation except crows, starlings, blackbirds, English sparrows, Eurasian collared doves, pigeons and other non-native species.
- The Bald Eagle (*Haliaeetus leucocephalus*) has been delisted. This species is still protected by the Nongame Species Regulation and the Migratory Bird Act. This species is distributed statewide, but it is most likely to be observed near large rivers and reservoirs.
- Black Bear (*Ursus americanus* ssp.) may occur statewide.

8/27/2014

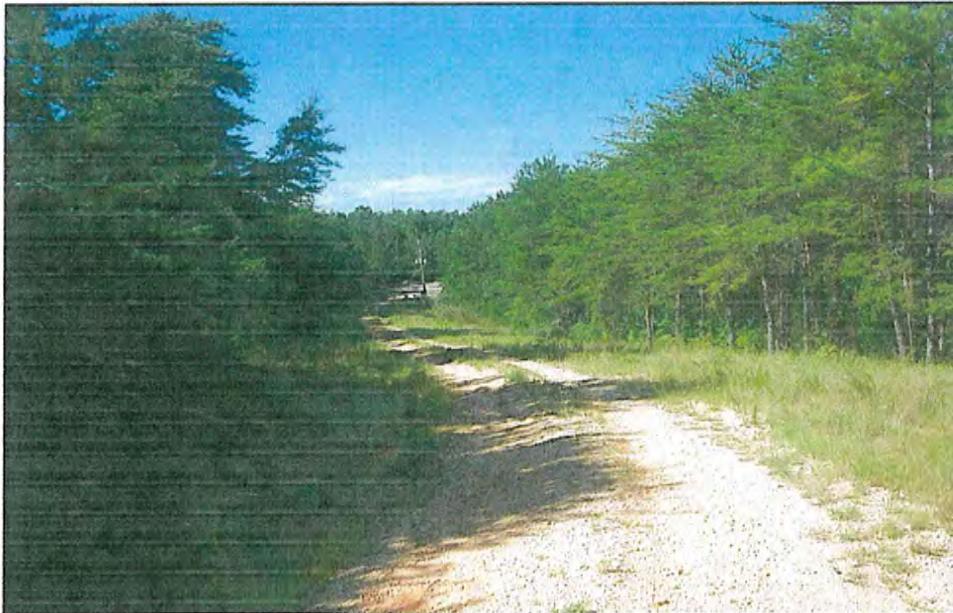


Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014

8/27/2014



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: main access road entrance into the proposed site.

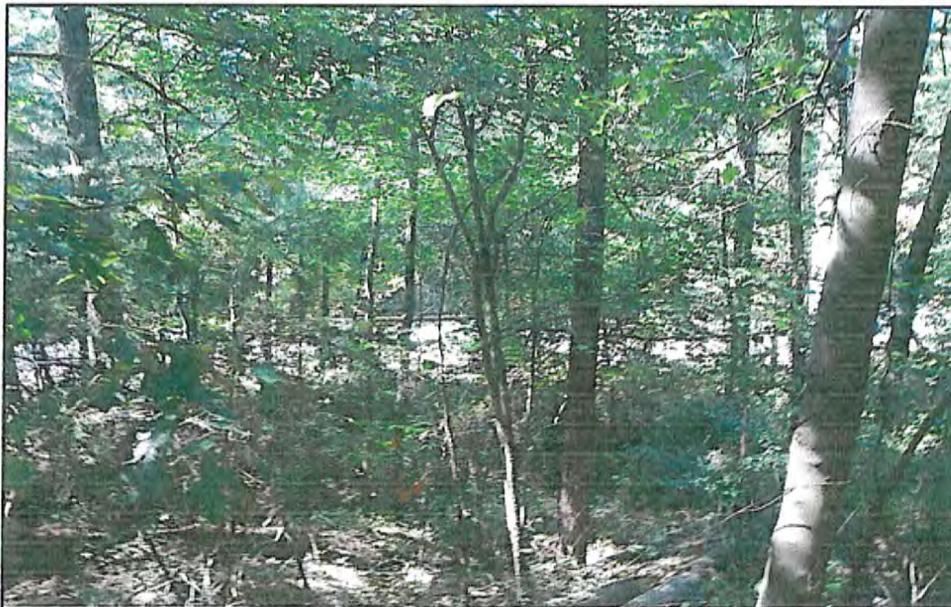


Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: main access road, gas well pad location in middle of proposed site, hill top region, loblolly and Virginia pine forest, view to south.

8/27/2014



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: west side of proposed site, green field, planted loblolly pines, 30 year and older pines to right.



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: area of road location from west side of site to railroad right-of-way, spoil pile area.

8/27/2014



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: typical view of surface mine spoil pile areas.



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: typical view of surface mine spoil pile areas.

8/27/2014



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: typical view of surface mine spoil pile areas, seepage site origin with seepage flow, flow extends about 30 feet, railroad right-of-way in distance [arrow].



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: seepage site with *Sphagnum* moss, location next to railroad right-of-way.

8/27/2014



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: east side of site, shallow seepage pond with tree stumps.



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: east side of site, shallow seepage pond view of pond bottom.

8/27/2014



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: east side of site, seepage flow from pond, south end of pond at top of photo.

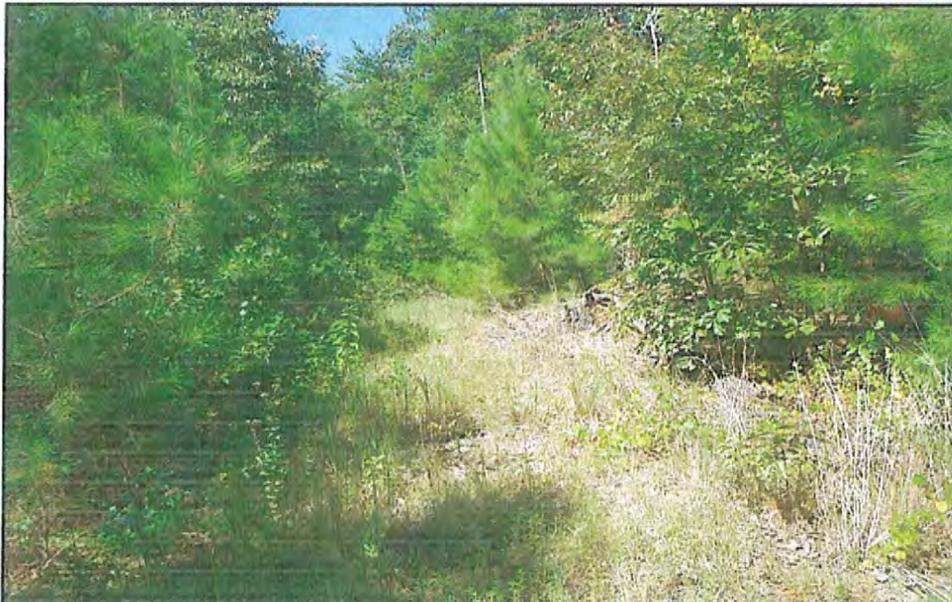


Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: down stream view of seepage flow from pond, photo location near railroad.

8/27/2014



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: central region of proposed site, spoil pile top just south of gas well pad, planted and natural growth loblolly and Virginia pines.



Black Warrior Minerals, Seaboard Mine, Revision R-5, 08 26 2014: eastern region of proposed site, old access road, planted loblolly pines and natural succession stage plants.

8/27/2014

