

BAT

BAT ASSOCIATES, INC.

ENGINEERS • SCIENTISTS • PLANNERS

PHASE I ENVIRONMENTAL SITE ASSESSMENT

BALDROCK CONSERVATION CENTER HIGHWAY 1193, BALDROCK, LAUREL COUNTY, KENTUCKY

PREPARED FOR:

United States Department of Agriculture
Forest Service, Southern Region
1720 Peachtree Road, NW
Suite 716N
Atlanta, Georgia 30309

PREPARED BY:

BAT ASSOCIATES, INC.
181 LAFAYETTE DRIVE
OAK RIDGE, TENNESSEE 37830
(865) 481-8105 • FAX (865) 481-0899
oakridge@batassociates.com
www.batassociates.com

NOVEMBER 20, 2006

TABLE OF CONTENTS

LIST OF ACRONYMS	iv
1.0 SUMMARY.....	1
2.0 INTRODUCTION.....	4
2.1 Purpose.....	4
2.2 Scope of Services.....	4
2.3 Significant Assumptions.....	6
2.4 Limitations and Exceptions.....	6
2.5 Special Terms and Conditions.....	6
2.6 User Reliance.....	7
3.0 GENERAL SITE DESCRIPTION.....	8
3.1 Location and Legal Description.....	8
3.2 Site and Vicinity General Characteristics.....	8
3.3 Current Use of the Property.....	8
3.4 Description of Structures, Roads, and Other Improvements on the Site	8
4.0 USER PROVIDED INFORMATION.....	10
4.1 Owner, Property Manager, and Occupant Information.....	10
4.2 Reason for Performing the Phase I ESA.....	10
4.3 Environmental Liens or Activity and Use Limitations.....	10
4.4 Environmental Permits	10
4.5 Title Records	10
4.6 Specialized Knowledge.....	11
4.7 Other.....	11
5.0 RECORDS REVIEW	12
5.1 Standard Environmental Records Sources	12
5.1.1 National Priority List (NPL)	12
5.1.2 CERCLIS.....	12
5.1.3 RCRA Treatment, Storage, and Disposal Facilities.....	12
5.1.4 RCRA Hazardous Waste Generators	13
5.1.5 Emergency Response Notification System (ERNS).....	13
5.1.6 Leaking Underground Storage Tanks (LUST).....	13
5.1.7 Registered Underground Storage Tanks	13
5.1.8 Solid Waste Landfills.....	13
5.1.9 State and Tribal Voluntary Cleanup Sites	13
5.2 Brownfield Sites.....	13
5.3 Physical Setting Sources.....	14
5.4 Historical Use Information Sources.....	14
5.4.1 Aerial Photographs.....	14
5.4.2 Sanborn Fire Insurance Map	14
5.4.3 Historical City Directories.....	14
5.4.4 Recorded Land Title Records	14
5.4.5 Building Department and Zoning Records	14
5.4.6 Previous Investigations of the Site.....	15

6.0	SITE RECONNAISSANCE	16
6.1	General Site Setting	16
6.1.1	Current Uses of the Property	16
6.1.2	Past Uses of the Property	16
6.1.3	Current Uses of Adjoining Properties	16
6.1.4	Past Uses of Adjoining Properties	16
6.1.5	Current or Past Uses in the Surrounding Area	16
6.2	Exterior Observations	16
6.2.1	Geology and Hydrology of the Site	16
6.2.2	General Description of Structures	17
6.2.3	Roads	17
6.2.4	Potable Water Supply	17
6.2.5	Sewage Disposal and Septic System	17
6.2.6	Solid Waste Disposal Practices	17
6.2.7	Hazardous Substances and Petroleum Products	17
6.2.8	Storage Tanks, Drums, and Containers	17
6.2.9	Sumps, Lagoons, and Detention Ponds	17
6.2.10	Wells	17
6.2.11	PCBs	17
6.2.12	Waste Water	17
6.2.13	Storm Water	18
6.2.14	Odors, Stains, Standing Liquids, and Stressed Vegetation	18
6.3	Interior Observations	18
6.3.1	Uses of the Structures and Property	18
6.3.2	Heating and Cooling System	18
6.3.3	Drains and Sumps	18
6.3.4	Hazardous Substances and Petroleum Products	18
6.3.5	Asbestos Containing Materials	18
6.3.6	Lead-Based Paint	18
6.3.7	Lead in Drinking Water	18
6.3.8	Radon	18
6.3.9	Mold	19
6.3.10	Stains or Corrosion	19
7.0	INTERVIEWS	20
8.0	FINDINGS	21
9.0	OPINION	22
10.0	CONCLUSION	23

LIST OF FIGURES

Figure 1	Site Location	9
----------	---------------------	---

LIST OF APPENDICES

Appendix A	Land Transaction Screening Worksheets and Site Map
Appendix B	Soil Classification of Laurel County, KY
Appendix C	Flood Insurance Map
Appendix D	Title Record
Appendix E	Environmental Database Search Results
Appendix F	Asbestos Survey and Removal Documentation
Appendix G	Aerial Photographs
Appendix H	Photographic Documentation

LIST OF ACRONYMS

ACM	Asbestos-Containing Material
ASTM	American Society of Testing and Materials
BAT	BAT Associates, Inc.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS	Facilities subject to Corrective Action under RCRA
EPA	United States Environmental Protection Agency
EPCRA	Emergency Planning and Community Right to Know Act
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FS	Forest Service
HWDMS	Hazardous Waste Data Management System
LBP	Lead-Based Paint
LQG	Large quantity generator of hazardous waste as defined by RCRA
LUST	Leaking underground storage tank
NFRAP	Former CERCLIS sites where no further remedial action is planned
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
PCBs	Polychlorinated biphenyls
RCRA	Resource Conservation and Recovery Act
SCS	Soil Conservation Service, U.S. Department of Agriculture
SQG	Small quantity generator of hazardous waste as defined by RCRA
TSDF	Hazardous waste treatment, storage or disposal facility
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground storage tank

1.0 SUMMARY

BAT Associates, Inc. (BAT) was contracted by the USDA Forest Service (FS) to conduct a Phase I Environmental Site Assessment (ESA) of the following property:

USDA FS Baldrock Conservation Center
Highway 1193
Baldrock, Laurel County, Kentucky

BAT was given the notice to proceed on June 29, 2006 to perform the Phase I Environmental Site Assessment (ESA) in accordance with ASTM E1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". BAT completed all four of the essential elements of the ASTM Phase I ESA protocol: (1) records review, (2) site reconnaissance, (3) interviews; and (4) report (this document).

The subject site is a conservation center that is located on a portion of two FS tracts of land that will be sub-divided into one parcel that will encompass a maximum of approximately 10.74 acres. The tracts of land the conservation center is located on are designated by the FS as tracts C-245b and C-1520. The property is occupied by eleven buildings containing a total of 9039 square feet. Since 1940, the Site has been used as a Civilian Conservation Corps (CCC) camp, an experimental research station, a fire camp, and as its present use as a conservation center. No other past usage of the property was identified. The property was developed as a CCC camp prior to the purchase by the FS in 1940. It is estimated that the property was initially developed in about 1938 when the CCC was located there. The site is located in an area that is rural. Nearby properties are occupied by a cattle farm and undeveloped land.

BAT reviewed available records to search for information on recognized environmental conditions related to the subject property. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substance or petroleum product on the property that would indicate an existing release, past release, or a material threat of a release of these substances into the ground, groundwater, surface water, or structures on the property. The records reviewed included recorded title documents, Federal and state environmental databases, aerial photographs, and/or other pertinent records. BAT also interviewed FS personnel.

The records review revealed the following environmental conditions related to the subject property:

1. There is no evidence from the title search or aerial photographs that previous uses of the site could have resulted in adverse environmental conditions on the property.
2. The property does not contain any registered underground storage tanks. However, it is possible that an underground storage tank (use unknown) is buried next to the "sheet shack", as recorded in an interview with Tom Kean.
3. The property is not on the Federal National Priority List, CERCLIS, Emergency Response Notification List, nor is it listed as a RCRA generator, treatment, storage, or disposal facility.

4. The property is not on the State of Kentucky priority list, nor is it registered as a land-fill or solid waste disposal site.
5. There are no facilities within a one-mile radius of the subject property that are currently listed in the CERCLIS files.
6. There are no facilities within one mile of the subject property that are currently listed in the federal databases as hazardous waste treatment, storage, or disposal facilities.
7. There are no facilities within one-quarter mile radius of the subject property that are registered with the U.S. EPA as RCRA hazardous waste generators.
8. There are no facilities with leaking USTs within one-half mile of the site and no facilities with USTs registered with the Kentucky Department of Environmental Protection (KYDEP) on adjacent properties.
9. There are no solid waste landfills or state priority list sites within a one-mile radius of the property.
10. There were no state or tribal voluntary cleanup sites within a 0.5-mile radius of the site.
11. There were no brownfield sites within a 0.5-mile radius of the site.
12. There was an asbestos survey performed in 1989 that identified asbestos containing floor tile in the mess hall and subsequent removal of the tile in 1992. Note: Asbestos containing floor tile found in a trailer that is no longer on site had also been removed.
13. Possible lead contamination of the shooting range area that is now under investigation per information supplied by Mike Rock during site visit and interview with Tom Kean.

BAT conducted a reconnaissance of the subject property on July 19, 2006. This site visit involved walking over 100 percent of the developed property grounds, observing the exterior and interior of all site structures, viewing usage and facilities on the adjoining properties.

BAT interviewed the following individuals listed below regarding any knowledge or documents that they may be aware of that are relevant to the environmental conditions on the subject property.

Jay Snider	Supervisory Forester, London Ranger District
James T. Harris	District FMO, London Ranger District
Tom Kean	Civil Engineering Technician, London Ranger District

These individuals were able to provide additional information.

Jay Snider

1. Identified a mound located on the property as a wastewater drainage mound.

James Harris

1. Remembered the transformer near the gate leaking oil once, not sure if it contained PCBs.
2. Identified mound by the basketball court as wastewater leach mound.
3. Thinks that the mound near the "sheet shack" contained an UST.

Tom Kean

1. Identified use of the site as a CCC camp in the 1930's, and an experimental forest research station in the late 1950's and early 1960's.
2. Identified mound leach system on site.
3. Remembered pesticide spray equipment found in the mess hall during remodeling in the 1980's.
4. Identified a steel plate near the south entry gate covering a well of unknown depth, purpose and origin.
5. Thinks that there is a possible UST located near the sheet shack.
6. Remembers potable storage buildings containing equipment fuel and railway flares (fuses).
7. Remarked that the shooting range grounds are presumed to contain lead.

The report represents the fourth element in the ASTM E1527-05 protocols for Phase I ESAs. The report generally follows the format recommended in the ASTM standard.

BAT believes that the subject property is free from recognized environmental conditions based on the results of the records review, interviews, and site reconnaissance performed as part of this Phase I ESA. No evidence was found that would indicate historic site usage or present usage would cause a release into the environment of hazardous substances or petroleum products. BAT did not find any structures or practices on site pose an imminent threat of environmental impairment. However, several suspect areas that cannot be determined to be free of impairment include, 1) the shooting range area that is currently undergoing a lead contamination analysis by the FS to determine a possible release, 2) the possibility of lead containing paint due to the age of the structures, 3) the possibility of lead in the drinking water due to the age of the plumbing, 4) the possibility of radon being present due to the fact that it is naturally occurring, and 5) the identification of the possible UST and its contents next to the "sheet shack".

BAT found no evidence that past or current uses or conditions on adjacent properties have caused environmental impairment of the subject property.

BAT has performed an ESA in conformance with the scope and limitations of ASTM Practice E1527-05 of the Baldrock Conservation Site. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

2.0 INTRODUCTION

This report describes the results of a Phase I ESA performed by BAT for the FS on July 19, 2006. The subject property for this Phase I ESA was:

USDA FS Baldrock Conservation Center
Highway 1193
Baldrock, Laurel County, Kentucky

The Phase I ESA was conducted in accordance with the procedures established by ASTM E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, except as noted in Section 2.4 below.

2.1 Purpose

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the processes described herein, recognized environmental conditions in connection with the subject property. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substance or petroleum products on the property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. "Recognized environmental condition" includes hazardous substances or petroleum products, even when present under conditions in compliance with laws. The term does not include de minimus conditions that generally do not present a material risk of harm to public health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

2.2 Scope of Services

All work under this scope was performed in accordance to the methods and practices in ASTM Standard E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, the September 1999 *Forest Service Guide to Land Transactions (EM-2160-2)*, and applicable Federal, state, and local regulations. Other references include the FS land transaction screening worksheets (Appendix A).

This Phase I ESA, as performed by BAT for this project, consisted of five components:

1. **Records Review.** BAT searched for and reviewed record information from standard sources that is reasonably ascertainable (i.e., information that is publicly available; is obtainable from its source within reasonable time and cost constraints; and is practically reviewable). The following standard environmental record sources were reviewed for this Phase I ESA:

FEDERAL	APPROXIMATE MINIMUM SEARCH DISTANCE (MILES)
Federal National Priority List (NPL) site list	1.0
Federal Delisted NPL site list	0.5
Federal CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) list	0.5
Federal CERCLIS NFRAP site list	property and adjoining properties
Federal RCRA CORRACTS facilities list	1.0
Federal RCRA non-CORRACTS facilities list	0.5
Federal RCRA generators list	property and adjoining properties
Federal ERNS list	property only
STATE	
State-equivalent NPL site list	1.0
State-equivalent CERCLIS list	0.5
State landfill and/or solid waste disposal site list	0.5
State Leaking Underground Storage Tank (LUST) list	0.5
State Registered Underground Storage Tank list	property and adjoining properties
State and Tribal Voluntary Cleanup Sites	0.5
State and Tribal Brownfield Sites	0.5

BAT also reviewed the following sources to obtain information regarding the physical setting of the subject property:

- USGS – Current 7.5 Minute Topographic Map
- Soil Conservation Service – Soil Maps

BAT consulted the following historical sources to develop a history of the previous uses of the property and surrounding area.

- Aerial photographs
- Recorded Land Title Records

2. **Site Reconnaissance.** A site reconnaissance was performed by BAT on July 19, 2006. BAT visited the subject property to visually and physically observed the property and all structures on it. This included walking the periphery and interior of the property and observing 100 percent of the developed land area. The property was also viewed from the adjacent public roadways and access points. BAT also observed the exterior and interior of the eleven buildings on site.

The BAT professional conducted a walk-through inspection of the interior of the buildings. The following areas were observed:

Crew Quarters 1-4

Sheet Shack

Mess Hall

- a) Kitchen
- b) Freezer
- c) Bathrooms
- d) Dining area

Utility Building

Men's Shower

Woman's Shower

Classroom

Shed

3. **Interviews.** BAT interviewed the following individuals relative to gathering information indicating recognized environmental conditions for the subject property.

NAME	TITLE/POSITION	LENGTH OF TIME ASSOCIATED WITH PROPERTY
Jay Snider	Supervisory Forester	16 Years
James T. Harris	District FMO	29 Years
Tom Kean	Civil Engineering Tech	22 Years

BAT did not interview any local government officials as part of this assessment.

4. **Sampling.** No environmental samples were collected during this Phase I ESA.
5. **Report.** BAT has prepared this report as the last component of the scope of services for this Phase I ESA.

2.3 Significant Assumptions

Based on our understanding of the requirements for this Phase I ESA as specified by the client, BAT made no special assumptions while performing this project.

2.4 Limitations and Exceptions

All the professional opinions presented in this assessment are based solely on the scope of work performed and sources referred to in our report. Except as noted above, the data presented by BAT were collected and analyzed using the methods and practices in ASTM Method E1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" at the time the report was generated. This report represents the conditions, locations, and materials that were observed at the time the site reconnaissance was performed.

The scope of this assessment does not include any sampling or subsurface investigation. BAT makes no representation relative to the quality of the subsurface beneath the site. No inferences regarding other conditions, location, or materials, at an earlier or later date or time, may be made based on the contents of this report. No other warranty, expressed or implied, is made.

2.5 Special Terms and Conditions

There were no special terms or conditions negotiated by BAT and the client for this Phase I ESA.

2.6 User Reliance

This report is intended solely for the use of FS.

3.0 GENERAL SITE DESCRIPTION

The information provided below was obtained by BAT during the performance of this Phase I ESA. More details are provided in Section 6.0.

3.1 Location and Legal Description

The subject property is located at Highway 1193 Baldrock, Kentucky (see Figure 1). It is located on two tracts of land that is to be sub-divided into one tract that will have a maximum size of approximately 10.74 acres. The tracts are designated by the FS as tracts C-245b and C-1520. The approximate location of the site is 36.9956° N, 84.2862° W.

3.2 Site and Vicinity General Characteristics

The subject property is located in a rural area. Nearby properties are occupied by a cattle farm. The elevation of the site ranges from about 1050 feet to 1150 feet above mean sea level. Soils in the area are characterized as both Latham silt loam and Lily loam by the Soil Conservation Service (Appendix B). The subject property is not within the 100-year flood plain as defined by the Federal Emergency Management Agency (FEMA) (Appendix C).

3.3 Current Use of the Property

The site is currently being used as an environmental education center. A more detailed description is given in Section 6.1, below.

3.4 Description of Structures, Roads, and Other Improvements on the Site

The property is occupied eleven buildings containing a total of approximately 9039 square feet. The structures include, four crew quarter buildings, a "sheet shack" (historical structure that contained linens for crew use), a mess hall, a utility building, a men's and women's shower buildings, a classroom, and a shed. The site also has a shooting range, a volleyball court, and a radio tower.

4.0 USER PROVIDED INFORMATION

The information presented in this chapter was provided to BAT by the FS on June 29, 2006 in preparation for conducting this Phase I ESA.

4.1 Owner, Property Manager, and Occupant Information

Owner: USDA Forest Service
 Region 8
 1720 Peachtree Road, NW
 Atlanta, GA 30309

Property Address: Highway 1193, Baldrock, Kentucky

Occupants: USDA FS Personnel

4.2 Reason for Performing the Phase I ESA

This property is being considered for conveyance under the FS Realignment and Enhancement Act, and therefore a Phase I ESA is needed to assist in appraising this property's value and in determining appropriate management strategies related to its disposition.

4.3 Environmental Liens or Activity and Use Limitations

The FS did not provide BAT with any information that would indicate that any environmental liens or use limitations are in effect for the subject property.

4.4 Environmental Permits

The FS provided BAT with no information indicating that the subject property had past environmental permits.

4.5 Title Records

BAT performed a title search for the subject property using the records on file with Laurel County and FS survey information on July 19, 2006 (Appendix D). The following table summarizes the records of transfers of the property for the past 71 years. The title search did not reveal any land uses indicating a potential for environmental impairment of the subject property. No environmental liens were discovered.

FS Tract Number C-1520				
DATE	GRANTEE	GRANTOR	BOOK	PAGE
10/23/35	United States of America	The Castle Craig Coal Company	79	379-430

FS Tract Number C-245b				
DATE	GRANTEE	GRANTOR	BOOK	PAGE
-----	United States of America	Binder Brothers Lumber Company	-----	-----

(Date, book and page number not available. However, FS surveys of this tract were conducted in 1934 and 1971)

4.6 Specialized Knowledge

BAT was not made aware by the user of any information relative to known or suspected environmental conditions on the subject property.

4.7 Other

Not Applicable.

5.0 RECORDS REVIEW

This chapter describes the records that BAT reviewed during the performance of this Phase I ESA and summarizes the information obtained from those records (Appendix E).

5.1 Standard Environmental Records Sources

BAT reviewed the standard environmental information sources maintained by the Federal and state regulatory agencies (See Section 2.2, above). The following table summarizes the results of this search.

DATABASE	DISTANCE SEARCHED	NO. SITES FOUND
Federal National Priority List	1.0 miles	0
Federal Delisted NPL Site List	0.5 miles	0
Federal CERCLIS	0.5 miles	0
Federal CERCLIS NFRAP	0.5 miles	0
Federal RCRA CORRACTS	1.0 miles	0
Federal RCRA non-CORRACTS	0.5 miles	0
Federal RCRA Generators	Site and adjoining	0
Federal ERNS	Site only	0
State NPL List	1.0 miles	0
State CERCLIS List	0.5 miles	0
State Landfill and/or Solid Waste Disposal Site	0.5 miles	0
State Leaking UST	0.5 miles	0
State Registered UST	Site and adjoining	0
State and Tribal Voluntary Cleanup Sites	0.5	0
State and Tribal Brownfield Sites	0.5	0

5.1.1 National Priority List (NPL)

The U.S. Environmental Protection Agency (USEPA) June 8, 2006 National Priority List files were reviewed to identify sites within one-mile radius of the subject property that the USEPA has determined to represent a possible threat to public health or the environment. The subject property was not listed, nor were there any sites listed that were within one mile of the property.

5.1.2 CERCLIS

The USEPA June 8, 2006 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) files were reviewed to identify facilities within a half mile radius of the subject property that contain known, alleged, or potentially hazardous waste sites. The subject property was not listed as a CERCLIS facility.

5.1.3 RCRA Treatment, Storage, and Disposal Facilities

The USEPA April 16, 2006 Resource Conservation and Recovery Act (RCRA) Notifiers List and the Hazardous Waste Data Management System List (HWDMS) were reviewed to identify hazardous waste treatment, storage, and disposal facilities (TSDFs) within a one-mile radius of the subject property. The subject property was not listed as a TSDF and no off-site TSDFs were listed within the search radius.

5.1.4 RCRA Hazardous Waste Generators

The USEPA April 16, 2006 Resource Conservation and Recovery Act (RCRA) Notifiers List and the Hazardous Waste Data Management System List (HWDMS) were reviewed to identify large quantity generators (LQGs), small quantity generators (SQGs), and transporters of hazardous waste within a one-quarter mile radius of the subject property. The subject property was not listed as a SQG. In addition, no off-site SQGs or transporters were listed within the search radius.

5.1.5 Emergency Response Notification System (ERNS)

The USEPA December 31, 2005 Emergency Response Notification System database was reviewed to identify whether the subject property was registered therein. The site was not listed in this database.

5.1.6 Leaking Underground Storage Tanks (LUST)

The August 1, 2005 list of leaking USTs maintained by the Kentucky Department of Environmental Protection (KYDEP), was reviewed to identify sites within one-half mile of the subject property that have reported releases to the environment from their USTs. BAT did not identify any sites with leaking USTs.

5.1.7 Registered Underground Storage Tanks

The January 25, 2005 list of registered USTs maintained by the KYDEP was reviewed to identify any USTs on the subject property or on adjoining properties. BAT found that the subject property and adjoining properties were not listed as containing underground storage tank(s). However, there is the possibility of a UST being present based on the interviews conducted with FS employees knowledgeable of the site.

5.1.8 Solid Waste Landfills

The March 28, 2006 list of active and closed solid waste landfills maintained by the KYDEP was reviewed to identify any such facilities within a half mile radius of the subject property. BAT found that the subject property was not listed, nor were any facilities within the search radius.

5.1.9 State and Tribal Voluntary Cleanup

The March 20, 2006 list of state and tribal cleanup sites maintained by the KYDEP was reviewed to identify any such facilities within a half mile radius of the subject property. BAT found that the subject property was not listed, nor were any facilities within the search radius.

5.2 Brownfield Sites

The October 18, 2005 list of brownfield sites maintained by the USEPA was reviewed to identify any such facilities within a half mile radius of the subject property. BAT found that the subject property was not listed, nor were any facilities within the search radius.

5.3 Physical Setting Sources

BAT reviewed the USGS 7.5 minute Topographic Map, Sawyer Quad 1980, Kentucky; the USDA Soil Conservation Service, Soil Survey Map of Laurel County, Kentucky; and the FEMA Flood Plain Map Number 21125C1ND0A. The information obtained from these three sources was included in the site description contained in Section 3.2, above.

5.4 Historical Use Information Sources

BAT reviewed the following sources to obtain information regarding past uses of the subject property with respect to potential recognized environmental conditions therein.

5.4.1 Aerial Photographs

BAT reviewed aerial photographs of the site and surrounding areas, dated 3/11/97 and 2003 to determine historic land usage (Appendix G). The following information was obtained from these photographs:

Photograph/Identification: 11km W of Keavy, KY, United States
Date of Overflight: 3/11/97 USGS
Source: TerraServer
Content Summary: Area appears to be much the same as it is today.

Photograph/Identification: jefferson_ortho
Date of Overflight: 2003 USGS
Source: www.ky.gov/metadataexplorer
Content Summary: Area appears to be much the same as it is today.

5.4.2 Sanborn Fire Insurance Maps

The subject property is outside the area for which the Sanborn Map Company prepared fire insurance maps. No maps were available for review for this Phase I ESA.

5.4.3 Historical City Directories

As the subject property is outside any incorporated municipality, no city directories were available for review for this Phase I ESA.

5.4.4 Recorded Land Title Records

BAT conducted a title search on the subject property dating back 71 years (see Section 4.5). This search did not reveal any land uses that would indicate a potential for environmental impairment of the subject property.

5.4.5 Building Department and Zoning Records

BAT did not search local building department or zoning records while conducting this ESA.

5.4.6 Previous Investigations of the Site

There was an asbestos survey conducted by the FS in 1989 that identified asbestos containing floor tile in the mess hall and subsequent removal of the tile in 1992. Note: Asbestos containing floor tile found in a trailer that is no longer on site had also been removed. (Appendix F).

6.0 SITE RECONNAISSANCE

Mr. Steve Bunkley of BAT conducted a reconnaissance of the subject property on July 19, 2006. He was accompanied by Mr. Mike Rock, representing the FS. The reconnaissance consisted of a walk-over of 100 percent of the developed land area, a visual examination of the exterior of all buildings, a walk-through of all of the interiors of the buildings, the interior of the storage room was locked by law enforcement personnel; viewing the subject property from adjacent roadways; and making general observations of uses, structures, etc. of adjoining property. A site map is provided as Appendix A.

6.1 General Site Setting

6.1.1 Current Uses of the Property

The current use of the property is a FS Conservation Center used for educational purposes. The property includes four crew quarter buildings, a "sheet shack" (historical structure that contained linens for crew use), a mess hall, a utility building, a men's and women's shower buildings, a classroom, and a shed. The site also has a shooting range, a basketball court, and a radio tower.

6.1.2 Past Uses of the Property

Previous to the FS occupation of the property, the site was a CCC camp.

6.1.3 Current Uses of Adjoining Properties

A cattle farm borders the site to the west and the remainder of the property is bordered by undeveloped FS land.

6.1.4 Past Uses of Adjoining Properties

It appears that due to the location and lack of development that surrounds the subject site, the past use of the adjoining properties is the same as the current use as noted above.

6.1.5 Current or Past Uses in the Surrounding Area

No current or past uses in the surrounding area were discovered that might adversely contribute to environmental conditions in connection with the subject property.

6.2 Exterior Observations

6.2.1 Geology and Hydrology of the Site

The elevation of the site ranges from about 1050 feet to 1150 feet above mean sea level. Soils in the area are characterized as both Latham silt loam and Lily loam by the Soil Conservation Service. The subject property is not within the 100-year flood plain as defined by the Federal Emergency Management Agency (FEMA).

6.2.2 General Description of Structures

The property is occupied by eleven buildings containing a total of approximately 9039 square feet. The structures include, four crew quarter buildings, a "sheet shack" (historical structure that contained linens for crew use), a mess hall, a utility building, a men's and women's shower buildings, a classroom, and a shed. The site also has a shooting range, a basketball court, and a radio tower.

6.2.3 Roads

Highway 1193 borders the site to the east.

6.2.4 Potable Water Supply

West Laurel Water Association supplies potable water to the site.

6.2.5 Sewage Disposal and Septic System

Sewage disposal is by a septic system.

6.2.6 Solid Waste Disposal Practices

The FS supplies solid waste disposal services at this site.

6.2.7 Hazardous Substances and Petroleum Products

No hazardous substances or petroleum products were visually observed.

6.2.8 Storage Tanks, Drums, and Containers

No storage tanks, drums or containers were noted.

6.2.9 Sumps, Lagoons, and Detention Ponds

No exterior sumps, lagoons, or detention ponds are located on the site.

6.2.10 Wells

There were no wells observed on the property, nor were there any records of wells ever being located on the site. However, on question 10 in the Questionnaire for Interview, Tom Kean states that, "There is a drilled well of unknown depth, purpose, and origin near the south entry gate post (covered by a steel plate)".

6.2.11 PCBs

A Jackson Energy, ground mounted transformer was noted on the site. However, according to Jackson Power, the transformers are PCB free.

6.2.12 Waste Water

Discharge of waste water is not generated by any use of the property.

6.2.13 Storm Water

Storm water drainage patterns are controlled by the graded slope of the site. The storm water is then directed offsite by drainage ditches.

6.2.14 Odors, Stains, Standing Liquids, and Stressed Vegetation

None were observed.

6.3 Interior Observations

6.3.1 Uses of the Structures and Property

The structures are used as an environmental educational facility designed for extended stays.

6.3.2 Heating and Cooling System

Heating and cooling of the structures is by natural gas heat and electric air conditioning.

6.3.3 Drains and Sumps

Drains are located in the restrooms, showers, and kitchen.

6.3.4 Hazardous Substances and Petroleum Products

No hazardous substances or petroleum products were observed.

6.3.5 Asbestos Containing Materials

There was an asbestos survey conducted by the FS in 1989 that identified asbestos containing floor tile in the mess hall and subsequent removal of the tile in 1992. Note: Asbestos containing floor tile found in a trailer that is no longer on site had also been removed.

6.3.6 Lead-Based Paint

Due to the age of some of the structures the presence of lead paint is possible.

6.3.7 Lead in Drinking Water

Due to the fact that the water is supplied by the West Laurel Water Association the water to the site is unlikely to contain lead. However, due to the age of the plumbing on the site the possibility of lead in the drinking water is possible and the presence or lack thereof cannot be determined until a test for lead is conducted.

6.3.8 Radon

Due to the fact of radon being naturally present in the environment, the presence or lack thereof cannot be determined until a test for radon is conducted.

6.3.9 Mold

No signs of mold could be visually observed.

6.3.10 Stains or Corrosion

No signs of stains or corrosion were observed except for what naturally occurs in aging structures.

7.0 INTERVIEWS

The following individuals were interviewed by BAT as part of this Phase I ESA. The FS Worksheet No. 4 ("Questionnaire For Interview") was used to obtain information indicating recognized environmental conditions in connection with the subject property.

NAME	TITLE AND AFFILIATION	DATE OF INTERVIEW	RELATIONSHIP TO THE PROPERTY	YEARS ASSOCIATED WITH THE PROPERTY
Jay Snider	Supervisory Forester	7/19/06	FS Employee	18 Years
James T. Harris	District FMO	7/21/06	FS Employee	29 Years
Tom Kean	Civil Engineering Tech	7/21/06	FS Employee	22 Years

A copy of the questionnaire and responses are provided in Appendix A.

8.0 FINDINGS

Findings from this Phase I ESA are as follows:

1. There is no evidence from the title search or aerial photographs that previous uses of the site could have resulted in adverse environmental conditions on the property.
2. The property does not contain any registered underground storage tanks. However, it is possible that an underground storage tank (use unknown) is buried next to the "sheet shack", as recorded in an interview with Tom Kean.
3. The property is not on the Federal National Priority List, CERCLIS, Emergency Response Notification List, nor is it listed as a RCRA generator, treatment, storage, or disposal facility.
4. The property is not on the KYDEP priority list, nor is it registered as a landfill or solid waste disposal site.
5. There are no facilities within one-mile radius of the subject property that are currently listed in the CERCLIS files.
6. There are no facilities within one-mile of the subject property that are currently listed in the federal database as hazardous waste treatment, storage, or disposal facilities.
7. There are no facilities within one-quarter mile radius of the subject property that are registered with the U.S. EPA as RCRA hazardous waste generators.
8. There are no facilities with leaking USTs within one-half mile of the site and no facilities with USTs registered with the KYDEP on adjacent properties.
9. There are no solid waste landfills or state priority list sites within a one-mile radius of the property.
10. There were no state or tribal voluntary cleanup or brownfield sites within a 0.5-mile radius of the site.
11. There was an asbestos survey 1989 that identified asbestos containing floor tile in the mess hall and subsequent removal of the tile in 1992. Note: Asbestos containing floor tile found in a trailer that is no longer on site had also been removed.
12. Possible lead contamination of the shooting range area that is now under investigation by the FS per information supplied by Mike Rock during site visit and interview with Tom Kean.

9.0 OPINION

BAT believes that the subject property is free from recognized environmental conditions based on the results of the records review, interviews, and site reconnaissance performed as part of this Phase I Environmental Site Assessment. No evidence was found that would indicate historic site usages or present usage would cause a release into the environment of hazardous substances or petroleum products. BAT did not find any structures or practices on site that pose an imminent threat of environmental impairment. However, several suspect areas cannot be determined to be free of impairment until further investigation is completed. These include, 1) the shooting range area that is currently undergoing a lead contamination analysis by the FS to determine a possible release, 2) the possibility of lead containing paint due to the age of the structures, 3) the possibility of lead in the drinking water due to the age of the plumbing, 4) the possibility of Radon being present due to the fact that it is naturally occurring, and 5) the identification of the possible UST and its contents next to the "sheet shack".

BAT found no evidence that past or current uses or conditions on adjacent properties have caused environmental impairment of the subject property.

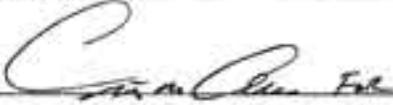
10.0 CONCLUSIONS

BAT has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-05 of the Baldrock Conservation Center. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

1. The possibility of the shooting range having lead contamination.
2. The possibility of lead containing paint due to the age of the structures.
3. The possibility of lead in the drinking water due to the age of the plumbing.
4. The possibility of naturally occurring radon being present.
5. The possibility of an unknown UST and contents next to the "sheet shack".

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and settings of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Environmental Professional Responsible for this Phase I Environmental Site Assessment:

Steve Bunkley
Name _____
Signature  _____
Date 11-20-06

Professional Engineer Responsible for Supervising the Phase I Environmental Site Assessment:

Jack Kuo
Name _____
Signature  _____
Date 11-20-2006

LIST OF APPENDICES

Appendix A	Land Transaction Screening Worksheets Site Map
Appendix B	Soil Classification of Laurel County, Kentucky
Appendix C	Flood Insurance Map
Appendix D	Title Record
Appendix E	Environmental Database Search Results
Appendix F	Asbestos Survey and Removal Documentation
Appendix G	Aerial Photographs
Appendix H	Photographic Documentation

APPENDIX A
LAND TRANSACTION SCREENING WORKSHEETS AND SITE MAP

SUMMARY: Based on the Land Transaction Screening Process, as documented on the above noted worksheets, I find that (choose all that apply):

- I. The FEDERAL real property is land on which no Federal Government operations have been conducted or terminated.
- No hazardous substances or petroleum products have been identified. No further investigation is required.
- Hazardous substances, petroleum products, or other contaminants were suspected. Further investigation has been referred to the CERCLA coordinator. CERCLA coordinator recommendation is attached that indicates that 1) no hazardous substances or petroleum products were identified; or 2) presence of hazardous substances or petroleum products is either negligible and requires no further documentation/analysis or requires further investigation such as an ASTM Phase I/II. *See Phase 2 report*
- Other results of the transaction screening not already noted include the following (for example; presence of solid waste). Arrangements have been made for removal of these materials.

- II. The FEDERAL real property is land on which Federal Government operations have been conducted and are being or were terminated.



No hazardous substances or petroleum products have been identified. No further investigation is required. A letter requesting concurrence of the "uncontaminated" designation has been sent to the appropriate regulatory agency and its concurrence received, or it has been days since the sunset provision in the letter has elapsed.

- Hazardous substances and petroleum products were suspected. Further investigation has been referred to the CERCLA Coordinator; CERCLA Coordinator recommendation is attached and indicates no hazardous substances or petroleum products were identified. *See Phase 2 Report*
- Other results of the transaction screening not already noted include the following (for example; presence of solid waste). Arrangements have been made for removal of these materials.

- III. The NON-FEDERAL real property has been examined through the Land Transaction Screening Process and findings are as follows:

No hazardous substances, petroleum products, or other contaminants have been identified. No further investigation is required.

Hazardous substances, petroleum products, or other contaminants were suspected. Further investigation has been referred to the CERCLA Coordinator; CERCLA Coordinator recommendation is attached and indicates no hazardous substances or petroleum products were identified. *See Phase 2 Report*

Other results of the transaction screening not already noted include the following (for example; presence of solid waste). Arrangements have been made for removal of these materials, or appropriate care of

property following acquisition.

Name and Title of Person (s)
Performing Land Transaction
Screening:

Steve Bentley Environmental Scientist
BAT Associates, Inc.

CERTIFICATION: I have reviewed the results of the Land Transaction Screening Process and certify that, to the best of my knowledge, there is no evidence of release, storage or disposal of hazardous substances or petroleum products.

Date:

Line Officer
Signature:

readily appear on recent photos; changes in topography that could indicate land fills, or spoil banks; and changes in type of use or use patterns.)

3. Forest Service and/or Other Pertinent Records Reviewed and Summarize Findings

Asbestos Survey and Remediation Documentation
Survey by RS in 1989
Remediation in 1992 of floor tile containing asbestos

(List the records, files, and other documents reviewed. A good means of covering all the significant Federal and state hazardous substances site listings is to order a data base search for the property location from an environmental data base search service.)

A list of FS file designations and subject areas which might contain references to hazardous materials follows this worksheet. The list is not intended to be either "all encompassing" or the "minimum required." Its purpose is to suggest subject areas that may be applicable. Whether they are or not will depend on the property being researched and what is known of its use history. Look for files referencing the tract being reviewed (i.e., 2470 Silvicultural Practices - Compartment Folders) and check them for information on possible hazardous substances and petroleum products.)

Signature of Person Compiling Property/Record Search: 

Name: Steve Beahly Title: Environmental Scientist

PART 2 - RECORD AND FILE SEARCH

Real Property

Adjacent Property

Identification of adjacent property: _____

Use this portion to document relevant information found in Forest Service files and/or obtained from other Federal/State/local agency records. If information relating to a specific question is not found, circle "no".

1. Is there any record of hazardous substances or petroleum products being yes no stored, released or disposed of on the property? If Yes, attach a list describing the type(s), quantities involved, and approximate dates. If yes, is there an environmental threat to the real property?

Interview with Tom from noted pesticide equipment found in old mess hall during remediation in 80's.

(Interview Worksheet 4, State and EPA hazardous site lists.)

2. Has an environmental investigation of the property ever (1) indicated yes no the presence of hazardous substances, petroleum products or other potential environmental problems on the property, or (2) recommended further assessment of the property? If yes, explain and provide the information sources:

FS Asbestos survey in 1989 found asbestos containing floor tiles in mess hall.

An ongoing lead contamination analysis is being conducted at the Shurby house.

(State hazardous site lists, 5420/5430 acquisition files, 6740.)

3. If an environmental investigation (see Question 2) identified yes no
contamination of the property, is there information indicating that
remedial activities have not been initiated or have been effective in
reducing or eliminating the contamination? If yes, explain and provide
information source: _____

(State hazardous site data, 6740.)

4. Are there any operating or abandoned water wells on the property? yes no
If yes, explain and provide information source: _____
Tom Keen identified an unknown, covered well
near the auto entry gate.

(Interview Worksheet 4, State water well registry.)

5. If the property is served by a private well, has contamination ever yes no
been identified in the well that exceeded acceptable levels? If yes,
explain and provide information source: _____

(State water well registry, water quality data.)

6. Are there any permits or plans related to activities such as air/water yes no
discharges, mining or oil and gas exploration, or soil or hazardous
waste treatment, storage or disposal? If yes, explain and provide infor-
mation source: _____

(State hazardous substance sites list, 2720 & 2820 files.)

7. Have there been any compliance or environmental notices issued? yes no
If yes, explain and provide information source: _____

(State hazardous substances office, EPA Region.)

8. Have there ever been any registered/unregistered storage tanks yes no
(above or underground) located on the property, particularly for
storage of hazardous substances or petroleum products?

If yes, explain and provide information source:

There is an unidentified UST next to the shed ^{possible} ~~sheds~~
Noted in the interview with Tim Koen and James Harris.

(State UST and LUST records, aerial photos and maps.)

9. Is there any information indicating an environmental lien against the property, or notice of past or recurrent violations of environmental laws with respect to the property? If yes, explain and provide source: _____

yes

no

(County deed records and court judgments.)

10. Is there any information in the chain of title that indicates commercial or industrial use on the property? If yes, explain and provide information source: _____

yes

no

(Title insurance company, abstract company, county deed records.)

11. Are there any records that indicate transformers, capacitors or hydraulic equipment containing PCB's having been found on the property PCBs? If yes, explain and provide information source: _____

yes

no

(State hazardous substance site records, local electric utility.)

12. Is the property listed on the National Priorities (NPL); CERCLIS or Docket List; listed as a RCRA treatments, storage, or disposal (TSD) Facility; listed by the State environmental agency as their equivalent of an NPL site or a CERCLIS site; listed on the Leaking Underground Storage Tank (LUST) List; listed as a Solid Waste/Landfill Facility? If yes, explain and provide information source: _____

yes

no

(Environmental data base search service.)

13. Have there been any special use permits, leases, Plans of Operation or concessionaire activities, including mining, landfills, solid waste transfer facilities, log transfer facilities, small arms ranges, silviculture, lodges, resorts, or _____ associated with the property? If yes, explain and provide information source: _____

yes

no

campgrounds,

There is a FS shooting range on site.
No documentation was shown to BAT by FS
indicating a special use permit.

(Interview Worksheet 4; aerial photos & maps; 2720, 2820, 2470 files.)

14. Have activities (Forest Service or other) on the property included any of the following: nurseries, warehouses, vehicle maintenance, mixing of chemicals, paints, pesticides, petroleum products or wastes? If yes, explain and provide information source: yes no

It is possible that pesticides were mixed due to the fact that spray equipment was found in the woods well in the 1980's. (Site was once an experimental research station)
It is also possible that petroleum products were present due to the fact that site was once a fire camp.

(Interview Worksheet 4, aerial photos & maps.)

15. Is there or has there been a Forest Service Job Corps Center or work center located on the property? If yes, explain and provide information source: yes no

Noted in interview w/ Tom Kern that was once a CCC camp. This info was confirmed by www.cccalumni.org

(Interview Worksheet 4, aerial photos & maps.)

16. Have there been any public complaints about the property regarding dumping, burning, or odors? If yes, explain and provide information source: yes no

(State hazardous substance sites list.)

17. Are there any adjacent properties where there has been a release of a hazardous substance or petroleum product, or that are listed on the National Priorities List (NPL), CERCLIS, or docket list or as an RCRA TSD Facility; or are adjacent properties listed by the State environmental agency as its equivalent of an NPL site or a CERCLIS site; are adjacent properties listed on the Leaking Underground Storage Tank (LUST) List or are listed as a Solid Waste/Landfill Facility? If yes, explain and provide information source: yes no

(Environmental data base search service.)

18. On the basis of on a review of fire insurance maps or consultation with the local fire department serving the property, are there any buildings or other improvements on the property or an adjoining property identified as having been used industrially, or for other purposes likely to lead to contamination of the property? If yes, explain and provide information source: yes no

(Local fire department, environmental data base search service.)

NOTE: If records indicate hazardous substances, or petroleum products, or other contaminants may be present, consult with your unit's CERCLA Coordinator. OSHA requires specialized training prior to conducting inspection of facilities/sites which contain hazardous substances or petroleum products.

Name and Signature of Person

Conducting Records Review:

Steve Buhly 

Date(s) of Searches

7/24/04

WORKSHEET 3
ADJACENT PROPERTY SITE EXAMINATION

Case Name Baldwin Construction Center Case Number

Tract(s) 1 of 1 tract(s)

Use this worksheet to record information relating to adjacent property. Use one worksheet if the history and current use of each of the adjacent properties is similar. If adjacent properties have dissimilar history or current uses, additional worksheets should be completed. Answer each question "yes", "no", "not applicable (N/A)", or "unknown". Circle "N/A" when it is obvious that the issue addressed in the question does not apply to the property. Circle "unknown" if you are not in a position to be aware of the particular issue. Provide explanations as needed.

Briefly describe the adjacent property, including ownership/operational history.
Cattle Farm

If a physical inspection of the adjacent property was conducted (per CERCLA section 120(h)(A)(v)), briefly describe the extent of the site inspection. If a physical inspection was not conducted, explain why not. Visual inspection only

If prevented from a physical inspection, briefly describe any limitations encountered in performing a visual inspection. None

Record Search

Has a release of a hazardous substance or petroleum product from an adjacent property been reported to an environmental regulatory agency, or emergency response authority? If yes, explain any potential impact to the real property.

yes
no

N/A
unknown

Site Visit

1. Is the property used for industrial or commercial purposes? If yes, describe any potential impact to the real property.

yes
no

N/A
unknown

2. Is there any indication of mining activity, or oil and gas development (e.g., mining waste pile, pipe lines, well sites, acid mine drainage, etc.) that could impact the subject property? If yes, explain:

yes
no

N/A
unknown

3. Are there any pits, ponds, or lagoons that appear to be associated with waste treatment or disposal which may impact the subject property? If yes, explain: _____

yes
 no

N/A
unknown

4. If surface water is present, are there any unnatural characteristics (e.g., color, sheen, odors, etc.) which may impact the subject property? If yes, explain: _____

yes
 no

N/A
unknown

5. If not mentioned above, is there anything else observed that could indicate the presence of hazardous substances or petroleum products which may impact the subject property (e.g., stained soil, stressed vegetation, tanks, vent pipes, fuel storage, airborne contaminants/fugitive dust etc.)? If yes, explain: _____

yes
 no

N/A
unknown

Attach topographic and/or sketch maps and photo documentation.

Name of Person Conducting Inspection: Steve Buntly

Date of Inspection/Site Visit: 7/19/06

next to sheet stack, old loading dock
reconstructed or concrete,

3. Have there been or are there any unnatural topographic features (e.g., mounds, fill areas, depressions, etc.)? If yes, explain: wastewater drainage mound yes no N/A unknown
4. Has fill dirt ever been brought onto the property that originated from a contaminated site or that was of an unknown origin? If yes, explain: _____ yes no N/A unknown
5. Have any of the following been dumped above grade, or buried and/or burned on the property: hazardous substances or petroleum products (except when burned for heating purposes), tires, automotive or industrial batteries, vehicles, barrels, pesticide containers or any other waste materials? If yes, explain: _____ yes no N/A unknown
6. Has there been any past, present, or permitted or planned mining activity or oil and gas exploration/development, present on the property? If yes, explain: _____ yes no N/A unknown
7. Are there or have there ever been any pipelines or utility lines, either buried or overhead, crossing the property and have there been any spills or releases associated with them? If yes, explain: electric lines overhead no spills yes no N/A unknown
8. Are PCB's present or have PCB's ever been present in transformers, capacitors, or hydraulic equipment on the property and have there been any releases? If yes, explain: _____ yes no N/A unknown
9. Is there or has there been any storage, mixing or disposal of pesticides on the property? Note: Disposal means other than normal intended use of the product. If yes, explain: _____ yes no N/A unknown

10. Have any monitoring wells been drilled (dug or driven) on the property? If yes, explain the purpose of the wells and provide any analytical results: yes no N/A unknown

11. If the property is served by a private well have contaminants ever been identified in the well or the system that exceeded acceptable levels? If yes, explain: municipal water yes no N/A unknown

12. If surface water is present, are there or have there been any unnatural characteristics (e.g., such as color, sheens, odors, etc.)? If yes, explain: _____ yes no N/A unknown

13. Are there or have there been any pits, ponds, or lagoons associated with waste treatment or disposal on the property? If yes, explain: _____ yes no N/A unknown

14. Has the property discharged waste water (excluding storm water runoff) on or adjacent to the property? If yes, explain: _____ yes no N/A unknown

15. Is there or has there been any stressed or dead vegetation present? If yes, explain: _____ no yes N/A unknown

16. Are there or have there been, any floors, drains, and walls stained by substances other than water or are emitting foul and/or unnatural odors? If yes, explain: _____ yes no N/A unknown

17. Have radon, asbestos-containing materials, or lead-based paint ever been identified in any on-site buildings? If yes, explain: asbestos tile removed from Mess Hall yes no N/A unknown

- _____
18. Have any above-ground or underground storage tanks been used on the property? If yes, explain: _____
- yes no N/A unknown
19. Have hazardous substances (e.g., flammable materials, paints, pesticides or other chemicals) been stored on the property for more than one year? If yes, explain and provide quantities: _____
- yes no N/A unknown
20. Have there been any industrial drums (typically 55 gallons, (208 liters)), sacks, or chemicals located or dumped on the property? If yes, explain: _____
- yes no N/A unknown
21. Have there been any environmental permits or licenses associated with the property (e.g., air quality and water discharge, landfills)? If yes, explain: _____
- yes no N/A unknown
22. Have there been any compliance/enforcement notices or environmental liens relating to past or recurrent violations of environmental laws with respect to the property or any facility on the property? If yes, explain: _____
- yes no N/A unknown
23. Has an environmental site assessment of the property, or any other property/facility record, ever: (1) indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property, or (2) recommended further assessment of the property? If yes, explain/summarize the results of any further investigation: _____
- yes no N/A unknown
24. Are you aware of any past, threatened, pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances or petroleum products on the real property? If yes, explain: _____
- yes no N/A unknown

25. Have there ever been spills of hazardous substances or petroleum products which were reported to the National Response Center or a local or State emergency response authority? If yes, explain:

yes
 no N/A
unknown

26. If not mentioned above, is there anything else that could indicate the presence of hazardous substances and petroleum products which may impact the property? If yes, explain:

yes
 no N/A
unknown

- _____
- _____
3. Have there been or are there any unnatural topographic features (e.g., mounds, fill areas, depressions, etc.)? If yes, explain.
A mound is located below the sheet shack and past the basket ball court
- yes no N/A unknown
4. Has fill dirt every been brought onto the property that originated from a contaminated site or that was of an unknown origin? If yes, explain: _____
- yes no N/A unknown
5. Have any of the following been dumped above grade, or buried and/or burned on the property: hazardous substances or petroleum products (except when burned for heating purposes), tires, automotive or industrial batteries, vehicles, barrels, pesticide containers or any other waste materials? If yes, explain: _____
- yes no N/A unknown
6. Has there been any past, present, or permitted or planned mining activity or oil and gas exploration/development, present on the property? If yes, explain: _____
- yes no N/A unknown
7. Are there or have there ever been any pipelines or utility lines, either buried or overhead, crossing the property and have there been any spills or releases associated with them? If yes, explain: _____
No spills or releases that I know about
- yes no N/A unknown
8. Are PCB's present or have PCB's ever been present in transformers, capacitors, or hydraulic equipment on the property and have there been any releases? If yes, explain: *A transformer near the gate leak oil once. I do not know if PCB's were present.*
- yes no N/A unknown
9. Is there or has there been any storage, mixing or disposal of pesticides on the property? Note: Disposal means other than normal intended use of the product. If yes, explain: _____
- yes no N/A unknown

10. Have any monitoring wells been drilled (dug or driven) on the property? If yes, explain the purpose of the wells and provide any analytical results: yes no N/A unknown

11. If the property is served by a private well have contaminants ever been identified in the well or the system that exceeded acceptable levels? If yes, explain: yes no N/A unknown

12. If surface water is present, are there or have there been any unnatural characteristics (e.g., such as color, sheens, odors, etc.)? If yes, explain: yes no N/A unknown

13. Are there or have there been any pits, ponds, or lagoons associated with waste treatment or disposal on the property? If yes, explain: yes no N/A unknown

14. Has the property discharged waste water (excluding storm water runoff) on or adjacent to the property? If yes, explain: yes no N/A unknown

The mound of dirt past the ball goal is the area waste water goes into.

15. Is there or has there been any stressed or dead vegetation present? If yes, explain: yes no N/A unknown

16. Are there or have there been, any floors, drains, and walls stained by substances other than water or are emitting foul and/or unnatural odors? If yes, explain: yes no N/A unknown

17. Have radon, asbestos-containing materials, or lead-based paint ever been identified in any on-site buildings? If yes, explain: yes no N/A unknown

18. Have any above-ground or underground storage tanks been used on the property? If yes, explain: I think there was a tank located in the mound below the street shack. yes no N/A unknown

19. Have hazardous substances (e.g., flammable materials, paints, pesticides or other chemicals) been stored on the property for more than one year? If yes, explain and provide quantities: _____ yes no N/A unknown

20. Have there been any industrial drums (typically 55 gallons, 208 liters), sacks, or chemicals located or dumped on the property? If yes, explain: _____ yes no N/A unknown

21. Have there been any environmental permits or licenses associated with the property (e.g., air quality and water discharge, landfills)? If yes, explain: _____ yes no N/A unknown

22. Have there been any compliance/enforcement notices or environmental liens relating to past or recurrent violations of environmental laws with respect to the property or any facility on the property? If yes, explain: _____ yes no N/A unknown

23. Has an environmental site assessment of the property, or any other property/facility record, ever: (1) indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property, or (2) recommended further assessment of the property? If yes, explain/summarize the results of any further investigation: _____ yes no N/A unknown

24. Are you aware of any past, threatened, pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances or petroleum products on the real property? If yes, explain: _____ yes no N/A unknown

25. Have there ever been spills of hazardous substances or petroleum products which were reported to the National Response Center or a local or State emergency response authority? If yes, explain:

yes N/A
 no unknown

26. If not mentioned above, is there anything else that could indicate the presence of hazardous substances and petroleum products which may impact the property? If yes, explain:

yes N/A
 no unknown

**WORKSHEET 4
QUESTIONNAIRE FOR INTERVIEW**

Case Name

Case Number

Tract(s) 1 of 1

Tract(s)

*Federal Tract

Non-Federal Tract

Name of person being interviewed: Tom Kean, (606) 864-4163 ext. 103

Association with Real Property: London R.D. Civil Engineering Tech. since 1984
(Could be the owner/operator/caretaker/previous owner/neighbor, etc.)

Date of Interview: July 21, 2006

Name of person conducting interview: Steve Bentley (Via phone & E-mail)

Bentley
SB

Notes on Completing this Worksheet

The number of people to be interviewed will depend on the nature and past use of the property. Depending on the information received, follow-up action may be necessary. Interviewees should respond to the best of their knowledge. Interviewers should record any information which could shed some light on the limits of the interviewees knowledge. Interviewer should use due diligence in asking questions and recording the answers (don't avoid questions simply as a favor, to avoid paperwork, etc.) Interviewer should note if an interviewee refused to answer a question. Avoid answering a question with "yes" or "no"; include a reason for the answer. Interviewer should take good notes during the interview.

Use this worksheet to record information obtained from a person familiar with the property such as the owner or operator or current or former employee involved in operations on the property. The information may be obtained by interview or by the site representative completing individually. There may be a need to obtain information from more than one person; in this case, separate worksheets should be completed. Answer each question "yes", "no", "not applicable (N/A)," or "unknown". Circle "N/A" when it is obvious that the issue addressed in the question does not apply to the property. Circle "unknown" if you are not in a position to be aware of a particular issue. Provide explanation as needed (e.g., who, what, when, where, why).

"To the Best of Your Knowledge"

1. Has the property or an adjacent property ever been used for agriculture, mineral, commercial or industrial purposes?

yes

If yes, explain: *Area used as CCC camp in 1930's; Bald Rock experimental forest research station in late 50's and early 60's; Used as fire camp, educational facility since then.*

- | | |
|--|--------|
| 2. Are any past or present improvements such as old building foundations, evident on the property? If yes, explain:
<i>Foundations and sewerage evident from CCC camp;
Various in-ground improvements of unknown origin evident;
Mismatched building (near gate) and foundation indicate separate origins.</i> | Yes |
| 3. Have there been or are there any unnatural topographic features (e.g., mounds, fill areas, depressions, etc.)? If yes, explain:
<i>Various mounds near above mentioned building of unknown origin.
Known features include mound sewage leach system and aborted cabin foundations from 1970's.</i> | Yes |
| 4. Has fill dirt every been brought onto the property that originated from a contaminated site or that was of an unknown origin? If yes, explain: | no |
| 5. Have any of the following been dumped above grade, or buried and/or burned on the property: hazardous substances or petroleum products (except when burned for heating purposes), tires, automotive or industrial batteries, vehicles, barrels, pesticide containers or any other waste materials? If yes, explain: <i>Pesticide spray equipment was found in the old mess hall building during remodeling in the '80s.</i> | Unknow |
| 6. Has there been any past, present, or permitted or planned mining activity or oil and gas exploration/development, present on the property? If yes, explain: | no |
| 7. Are there or have there ever been any pipelines or utility lines, either buried or overhead, crossing the property and have there been any spills or releases associated with them? If yes, explain:
<i>Jackson Energy power lines traverse the tract; Local water supply line.
No known spills. Various underground and overhead utilities serve structures on tract</i> | yes |

- | | |
|---|---------|
| <p>8. Are PCB's present or have PCB's ever been present in transformers, capacitors, or hydraulic equipment on the property and have there been any releases? If yes, explain
 <i>We have been assured by JE RECC that all transformers are PCB free. No spills or releases reported.</i></p> | no |
| <p>9. Is there or has there been any storage, mixing or disposal of pesticides on the property? Note: Disposal means other than normal intended use of the product. If yes, explain:
 <i>See #5 response above</i></p> | unknown |
| <p>10. Have any monitoring wells been drilled (dug or driven) on the property? If yes, explain the purpose of the wells and provide any analytical results:
 <i>There is a drilled well of unknown depth, purpose, and origin near the south entry gate post. (covered by steel plate)</i></p> | unknown |
| <p>11. If the property is served by a private well have contaminants ever been identified in the well or the system that exceeded acceptable levels? If yes, explain:
 <hr/></p> | No |
| <p>12. If surface water is present, are there or have there been any unnatural characteristics (e.g., such as color, sheens, odors, etc.)? If yes, explain: <hr/></p> | No |
| <p>13. Are there or have there been any pits, ponds, or lagoons associated with waste treatment or disposal on the property? If yes, explain:
 <i>There is sewage disposal system comprising a gravity sewerage System, series of 5 septic tanks, lift station, force main, and Mound leach system.</i></p> | No |
| <p>14. Has the property discharged waste water (excluding storm water runoff) on or adjacent to the property? If yes, explain:

 <i>See # 13 above, Previous sewerage details unknown.</i></p> | Yes |

15. Is there or has there been any stressed or dead vegetation present?
If yes, explain:

no

16. Are there or have there been, any floors, drains, and walls stained
by substances other than water or are emitting foul and/or unnatural
odors? If yes, explain: _____

no

17. Have radon, asbestos-containing materials, or lead-based
paint ever been identified in any on-site buildings?
If yes, explain:

no

18. Have any above-ground or underground storage tanks been used
on the property? If yes, explain

Unknow

*There is at least one probable existing buried tank near the
'Sheet shack', unknown origin.*

19. Have hazardous substances (e.g., flammable materials,
paints, pesticides or other chemicals) been stored on the
property for more than one year? If yes, explain and provide
quantities:

Yes

*Portable storage buildings were used by the fire
organization, storing fusees, equipment fuel (5 gal or less
containers) etc, often for extended periods.*

20. Have there been any industrial drums (typically 55 gallons ,
(208 liters)), sacks, or chemicals located or dumped on the property?
If yes, explain:

no

21. Have there been any environmental permits or licenses
associated with the property (e.g., air quality and water
discharge, landfills)? If yes, explain:

no

22. Have there been any compliance/enforcement notices or environmental liens relating to past or recurrent violations of environmental laws with respect to the property or any facility on the property? If yes, explain: no
23. Has an environmental site assessment of the property, or any other property/facility record, ever: (1) indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property, or (2) recommended further assessment of the property? If yes, explain/summarize the results of any further investigation: no
24. Are you aware of any past, threatened, pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances or petroleum products on the real property? If yes, explain: no
25. Have there ever been spills of hazardous substances or petroleum products which were reported to the National Response Center or a local or State emergency response authority? If yes, explain: no
26. If not mentioned above, is there anything else that could indicate the presence of hazardous substances and petroleum products which may impact the property? If yes, explain:
A shooting range has been operated on the site for small Arms qualification by LEO personnel. The firing area and most of the backstop area are on the tract, and are presumed to contain lead Yes

**WORKSHEET 5
SITE INSPECTION**

Case Name

Case Number

Tract (s) 1 _____ of 1 _____ Tract(s)

Federal Tract

Non-Federal Tract

Briefly describe the property (size, type, of vegetation, water bodies, presence and type of access, etc.) The majority of the tract is in hardwood timber, with some of the more level riparian areas having been used as agricultural land pasture about 50 years ago.

Use this worksheet to document your site visit. Answer each question "yes," "no," "not applicable (N/A)," or "unknown". Circle "N/A" when it is obvious that the issue addressed in the question does not apply to the property. Circle "unknown" if you are not in a position to be aware of a particular issue. Provide explanation as needed (e.g., who, what, when, where, why).

Briefly describe the extent of the site inspection:

I inspected all possible access routes for signs of recent vehicular access (none found other driveway access). Survey crew under my supervision has completed field survey of tract within last two weeks. Walk through inspection, in light of 20 years familiarity with tract, verified no new uses.

Weather conditions during site inspection:

65 degrees; Partly Cloudy

1. Is there any indication that the property has ever been used for agriculture, commercial or industrial purposes? If yes, explain:
Area used as CCC camp in 1930's; Bald Rock experimental forest research station in late 50's and early 60's; Used as fire camp, educational facility since then..
2. Is there any evidence of past or present improvements, such as old building foundations on the property? If yes, explain:
*Foundations and sewerage evident from CCC camp;
Various in-ground improvements of unknown origin evident;
Mismatched building (near gate) and foundation indicate separate origins*
3. Are there any unnatural topographic features (e.g., mounds

yes

Yes

fill areas, depressions, etc.)? If yes, explain:

Various mounds near above mentioned building of unknown origin. Known features include mound sewage leach system and aborted cabin foundations from 1970's.

Yes

4. Is there any indication that fill dirt has been brought onto the property? If yes, explain: *A mound leach field was constructed on the southern part of the tract in the early 80's*

Yes

5. Is there any indication that the following have been dumped above grade, buried and/or burned on the property: hazardous substances or petroleum products (except when burned for heating purposes), tires, automotive or industrial batteries, vehicles, barrels, pesticide containers or any other solid waste materials? If yes, explain: _____

No

6. Is there any indication of mining activity or oil and gas exploration/development on present on the property? If yes, explain: _____

no

7. Are there any pipelines or utility lines, either buried or overhead, crossing the property and is there evidence of any spills or releases associated with them? If yes, explain: *Jackson Energy power lines traverse the tract; Local water supply line. No known spills. Various underground and overhead utilities serve structures on tract*

Yes

8. Are there damaged or leaking transformers or capacitors containing PCB's on the property? If yes, explain: _____

no

9. Has there been any storage, mixing or disposal of pesticides on the property? Note: Disposal means other than normal intended use of the product. If yes, explain: *Pesticide spray equipment was found in the old mess hall building during remodeling in the '80s*

no

10. Have any wells (e.g., water or monitoring) been drilled (dug or driven) on the property? If yes, explain: *There is a drilled well of unknown depth, purpose, and origin near the south entry gate post. (covered by steel plate)*

Yes

11. If surface water is present, are there any unnatural characteristics (e.g., such as color, sheens, odors, etc.)? If yes, explain: _____ no
12. Are there any pits, ponds, or lagoons on the property that appear to be associated with waste treatment or disposal? If yes, explain:
There is sewage disposal system comprising a gravity sewerage System, series of 5 septic tanks, lift station, force main, and Mound leach system no
13. Is there a discharge of waste water (excluding storm water runoff) on or adjacent to the property? If yes, explain:
see #12 above, no known major failures, previous system(s) history unknown no
14. Are there any areas of stained soil, any unnatural odors or areas with stressed or dead vegetation? If yes, explain:
_____ no
15. If structures are present, are floors, drains or walls stained by substances other than water, or are they emitting foul and/or unnatural odors? If yes, explain:
_____ no
16. If there are structures on the property, is there any indication of the presence of asbestos-containing materials or lead-based paint? If yes, explain: no
17. Is there any indication (tanks, fill pipes, vent pipes) that above-ground or underground storage tanks are or were previously used on the property? If yes, explain:
_____ no
18. Is there evidence that hazardous substances (e.g., paints, pesticides or other chemicals) been stored, used or dumped on the property? If yes, explain: yes

Portable storage buildings were used by the fire organization, storing fusees, equipment fuel (5 gal or less containers) etc, often for extended periods. A shooting range has been operated on the site for small arms qualification by LEO personnel. The firing area and most of the backstop area are on the tract, and are presumed to contain lead.

19. Is there any evidence of contamination (hazardous substances or petroleum products) migrating from adjacent property onto the site? If yes, explain:

no

20. Is there anything else observed that could indicate the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, explain:

no

Name of person conducting site inspection: /S/ Thomas J. Kean /S/

Date of site inspection: July 21, 2006

Transmitted to Steve Bunkley, BAT Associates Inc.; via email:
sbunkley@batassociates.com

**WORKSHEET 5
SITE INSPECTION**

Case Name Baldwin Conservation Center Case Number

Tract (s) 1 of 1 Tract(s)

Federal Tract

Non-Federal Tract

Briefly describe the property (size, type, of vegetation, water bodies, presence and type of access, etc.) _____

Use this worksheet to document your site visit. Answer each question "yes," "no," "not applicable (N/A)," or "unknown". Circle "N/A" when it is obvious that the issue addressed in the question does not apply to the property. Circle "unknown" if you are not in a position to be aware of a particular issue. Provide explanation as needed (e.g., who, what, when, where, why).

Briefly describe the extent of the site inspection: Inspected 100% interior and exterior of site. However, access to storage at shooting range was not available

Weather conditions during site inspection:

Sunny 90°

1. Is there any indication that the property has ever been used for agriculture, commercial or industrial purposes? If yes, explain:

It has been used by FS since 1940.

yes
 no

N/A
unknown

2. Is there any evidence of past or present improvements, such as old building foundations on the property? If yes, explain:

Eliminated FS structures on site.

yes
 no

N/A
unknown

3. Are there any unnatural topographic features (e.g., mounds fill areas, depressions, etc.)? If yes, explain:

Wastewater drainage system mounds.

yes
 no

N/A
unknown

4. Is there any indication that fill dirt has been brought onto the property? If yes, explain:

yes
 no

N/A
unknown

- | | | |
|--|--|---|
| <p>5. Is there any indication that the following have been dumped above grade, buried and/or burned on the property: hazardous substances or petroleum products (except when burned for heating purposes), tires, automotive or industrial batteries, vehicles, barrels, pesticide containers or any other solid waste materials? If yes, explain: _____

_____</p> | <p>yes
<input checked="" type="radio"/> no</p> | <p>N/A
unknown</p> |
| <p>6. Is there any indication of mining activity or oil and gas exploration/development on present on the property? If yes, explain: _____

_____</p> | <p>yes
<input checked="" type="radio"/> no</p> | <p>N/A
unknown</p> |
| <p>7. Are there any pipelines or utility lines, either buried or overhead, crossing the property and is there evidence of any spills or releases associated with them? If yes, explain: _____

_____</p> | <p>yes
<input checked="" type="radio"/> no</p> | <p>N/A
unknown</p> |
| <p>8. Are there damaged or leaking transformers or capacitors containing PCB's on the property? If yes, explain: _____

_____</p> | <p>yes
<input checked="" type="radio"/> no</p> | <p>N/A
unknown</p> |
| <p>9. Has there been any storage, mixing or disposal of pesticides on the property? Note: Disposal means other than normal intended use of the product. If yes, explain:
<i>Interview with Tom Kain says that pesticides were used due to the fact that spray equipment was used in the 1980's. Site was also an experimental research station at one time.</i></p> | <p>yes
no</p> | <p>N/A
<input checked="" type="radio"/> unknown</p> |
| <p>10. Have any wells(e.g., water or monitoring) been drilled (dug or driven) on the property? If yes, explain: _____
<i>Interview w/ Tom Kain noted a covered well by catch gate.</i></p> | <p><input checked="" type="radio"/> yes
no</p> | <p>N/A
unknown</p> |
| <p>11. If surface water is present, are there any unnatural characteristics (e.g., such as color, sheens, odors, etc.)? If yes, explain: _____

_____</p> | <p>yes
<input checked="" type="radio"/> no</p> | <p>N/A
unknown</p> |
| <p>12. Are there any pits, ponds, or lagoons on the property that appear to be associated with waste treatment or disposal? If yes, explain: _____

_____</p> | <p>yes
<input checked="" type="radio"/> no</p> | <p>N/A
unknown</p> |

- | | | |
|--|--------------------------|------------------------|
| <p>13. Is there a discharge of waste water (excluding storm water runoff) on or adjacent to the property? If yes, explain:</p> <p>_____</p> <p>_____</p> <p>_____</p> | <p>yes
<u>no</u></p> | <p>N/A
unknown</p> |
| <p>14. Are there any areas of stained soil, any unnatural odors or areas with stressed or dead vegetation? If yes, explain:</p> <p>_____</p> <p>_____</p> <p>_____</p> | <p>yes
<u>no</u></p> | <p>N/A
unknown</p> |
| <p>15. If structures are present, are floors, drains or walls stained by substances other than water, or are they emitting foul and/or unnatural odors? If yes, explain:</p> <p>_____</p> <p>_____</p> <p>_____</p> | <p>yes
<u>no</u></p> | <p>N/A
unknown</p> |
| <p>16. If there are structures on the property, is there any indication of the presence of asbestos-containing materials or lead-based paint? If yes, explain:</p> <p><i>Due to the age of the structures, lead based paint is possible</i></p> <p>_____</p> <p>_____</p> <p>_____</p> | <p><u>yes</u>
no</p> | <p>N/A
unknown</p> |
| <p>17. Is there any indication (tanks, fill pipes, vent pipes) that above-ground or underground storage tanks are or were previously used on the property? If yes, explain:</p> <p>_____</p> <p>_____</p> <p>_____</p> | <p>yes
<u>no</u></p> | <p>N/A
unknown</p> |
| <p>18. Is there evidence that hazardous substances (e.g., paints, pesticides or other chemicals) been stored, used or dumped on the property? If yes, explain:</p> <p><i>Interview w/ Tom Keen noted pesticide spray equipment found in dress hall in 1950's, site was once an experimental research station.</i></p> <p>_____</p> <p>_____</p> <p>_____</p> | <p><u>yes</u>
no</p> | <p>N/A
unknown</p> |
| <p>19. Is there any evidence of contamination (hazardous substances or petroleum products) migrating from adjacent property onto the site? If yes, explain:</p> <p>_____</p> <p>_____</p> <p>_____</p> | <p>yes
<u>no</u></p> | <p>N/A
unknown</p> |
| <p>20. Is there anything else observed that could indicate the presence of hazardous substances, petroleum products, or other potential</p> | <p><u>yes</u>
no</p> | <p>N/A
unknown</p> |

environmental problems on the property? If yes, explain:

Possible "unknown" VST located next to street shade
Noted in interviews w/ Tom Keen and James Harkin

ATTACH: Topographic and/or sketch maps of property with improvements Photo documentation

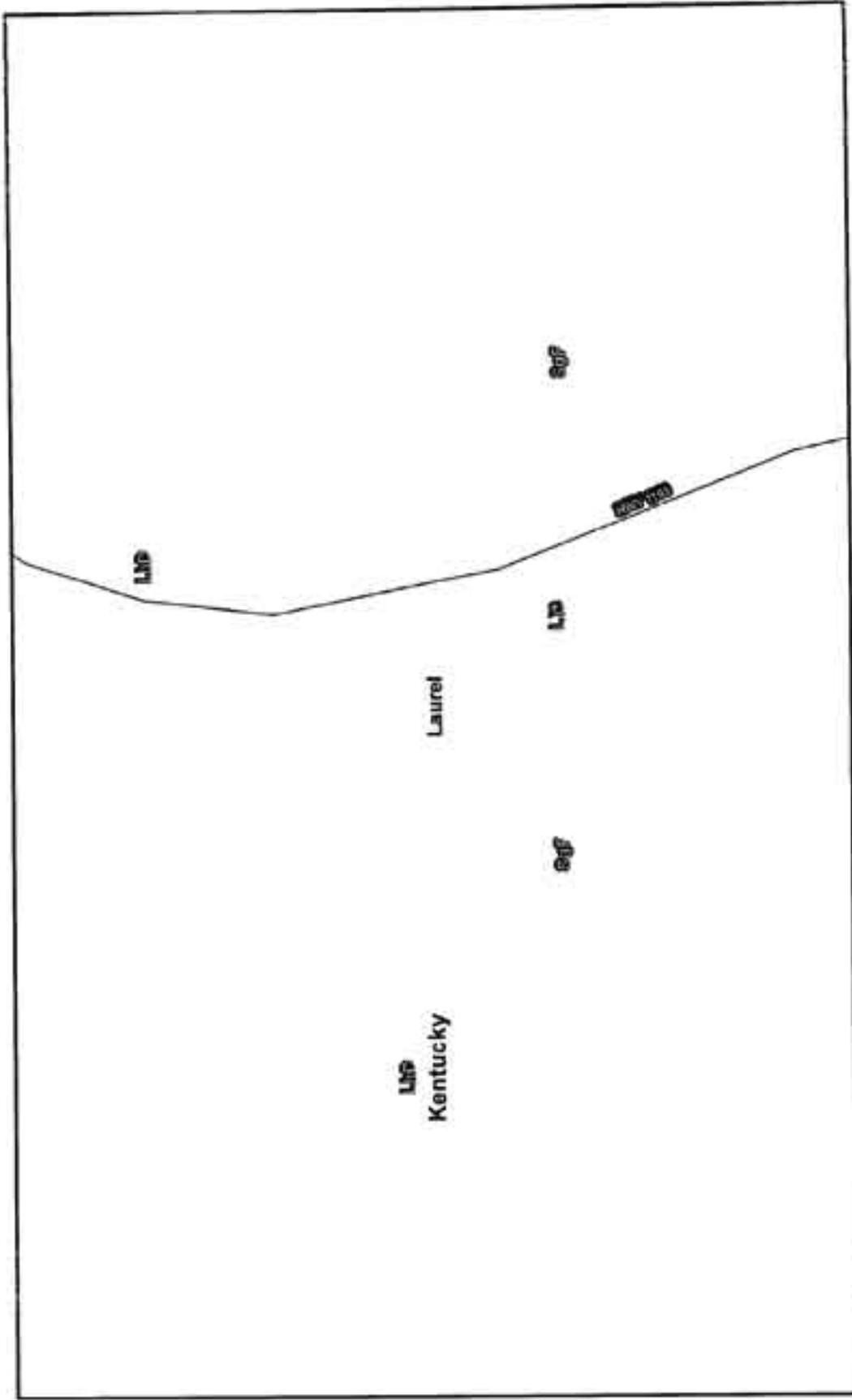
Name of person conducting site inspection: Steve Buntly

Date of site inspection: 7/19/06

APPENDIX B
SOIL CLASSIFICATION OF LAUREL COUNTY, KENTUCKY

SOIL SURVEY OF LAUREL AND ROCKCASTLE COUNTIES, KENTUCKY

Baldrock Conservation Center



SOIL SURVEY OF LAUREL AND ROCKCASTLE COUNTIES, KENTUCKY

Baldrock Conservation Center

MAP LEGEND

- Soil Map Units
- Defined Counties
 - ▭ Defined States
 - ▬ Interstate Highways
 - ▬ Roads
 - ▬ Rails
 - ▬ Varies
 - ▬ Hydrography
 - ▬ Oceans
- ▲ Encampment, balrock
 - Encampment, non-balrock
 - ▬ Gully
 - ▬ Levee
 - ▬ Skope
 - ▬ Blunout
 - ▬ Burrow Pit
 - ▬ Clay Spot
 - ▬ Depression, closed
 - ▬ Eroded Spot
 - ▬ Gravel Pit
 - ▬ Gravelly Spot
 - ▬ Quarry
 - ▬ Lava flow
 - ▬ Landfill
 - ▬ Marsh or Swamp
 - ▬ Miscellaneous Water
 - ▬ Rock Outcrop
 - ▬ Saline Spot
 - ▬ Sandy Spot
 - ▬ Slide or Slip
 - ▬ Strunhole
 - ▬ Tuffic Spot
 - ▬ Spill Area
 - ▬ Stone Spot
 - ▬ Very Stony Spot
 - ▬ Perennial Water
 - ▬ Wet Spot

MAP INFORMATION

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: UTM Zone 16
 Soil Survey Area: Laurel and Rockcastle Counties, Kentucky
 Spatial Version of Data: 2
 Soil Map Compilation Scale: 1:20000

Map comprised of aerial images photographed on these dates:
 1987

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend Summary

Laurel and Rockcastle Counties, Kentucky

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
LbD	Latham silt loam, 12 to 20 percent slopes	9.4	28.9
LhD	Latham-Lily complex, 6 to 20 percent slopes	6.0	18.3
LJC	Lily loam, 6 to 12 percent slopes	4.9	14.9
SgF	Shelocta-Rigley complex, 30 to 50 percent slopes	12.4	38.0

APPENDIX C
FLOOD INSURANCE MAP



FIRM

FLOOD INSURANCE RATE MAP
LAUREL COUNTY,
KENTUCKY
AND INCORPORATED AREAS
(SEE LISTING OF COMMUNITIES TABLE)

MAP INDEX

PANELS PRINTED 25, 40, 75, 100,
105, 110, 120, 130, 135, 140, 145, 175, 200,
225, 230, 235, 240, 245, 255, 260, 265, 270,
300, 325, 350, 375, 400

MAP NUMBER
21125CIND0A
EFFECTIVE DATE
AUGUST 2, 2006



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood maps. It was extracted using FIRM On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the file block. For the latest product information about National Flood Insurance Program Flood maps, check the FEMA Flood Map Store at www.mms.fema.gov

211

21

WHITLEY

21125C0200C

21125C0325C

MCCREARY COUNTY



APPENDIX D
TITLE RECORD

Compared with the record
and all errors corrected.
F.E.H. 10/26/35

THIS DEED, made and entered into this the 14 day
of October, 1935, by and between THE CASTLE CRAIG COAL
CO., a corporation created and existing under and by virtue
of the laws of the State of Delaware, having an office and
its principal place of business at Townsend, in the County of
Blount, and State of Tennessee, party of the first part, and
THE UNITED STATES OF AMERICA, party of the second part,

WITNESSETH: That for and in consideration of the sum
of TWO HUNDRED NINE THOUSAND, TWO HUNDRED AND SIXTY FOUR
(\$209,264) DOLLARS, cash in hand paid, the receipt of all of
which is hereby acknowledged, the party of the first part has
BARGAINED AND SOLD, and does hereby SELL AND CONVEY, subject
to the reservations and exceptions hereinafter set out, unto
the party of the second part, and its assigns forever, the
following fifteen tracts of land lying and being in the
Counties of Laurel, Whitley and Pulaski, in the State of Ken-
tucky, and more particularly described as follows:

All bearings in these descriptions are turned from the
true meridian and all distances are expressed in chains.

Filed for Record this 23rd day of
Oct. 1935 at 9 o'clock A.M.
J.T. Jones Clerk, L.C.C.

Recorded in Deed Book #79,
at Pages 379 to 430.

0001
~~0000~~

TRACT #1520. All that certain tract or parcel of land lying and being in Laurel and Pulaski Counties, Kentucky, situated about two (2) miles west of Skate Post Office, about three (3) miles northwest of Heavy Post Office and around and adjacent to Bunch, Bald Rock, and Rockcastle Springs Post Offices, on the waters of Laurel, Cumberland and Rockcastle Rivers, Binking and Cane Creeks, tributaries of Rockcastle River and Craigs Creek, a tributary of Laurel River, and more particularly described as follows:

0001
0002

DANIEL BOONE NATIONAL FOREST
DESCRIPTION OF THE BOUNDARIES

OF THE

BINDER BROS. LUMBER CO., INC.

TRACTS NO. 245, a-f

LAUREL AND PULASKI COUNTIES, KENTUCKY

CONTAINING 2,172.76 ACRES

APPROVED BY THE
NATIONAL FOREST RESERVATION COMMISSION
FEBRUARY 4, 1971

SUMMARY OF ACREAGES:

Tract 245 (Gross) Laurel County	925.01 Acres	
Exception #1, Binder Bros. Reserved	<u>87.25</u> Acres	
Tract 245 (Net)		837.76 Acres - 862,832
Tract 245a (Net) Laurel County		45.43 " - 3,407.
Tract 245b (Gross) Laurel County	839.32 Acres	
Exception #1, Ky. Highway #192 R/W	<u>12.59</u> "	
Tract 245b (Net)		826.73 Acres - 63,004.
Tract 245c (Net) Laurel County		86.25 " - 6,468.7
Tract 245d (Net) Pulaski County		51.65 " - 2,873.7
Tract 245e (Net) Laurel County		228.45 " - 17,133.7
Tract 245f (Gross) Laurel County	58.18 Acres	
Exception #1, Melba Robinson	<u>1.69</u> "	
Tract 245f (Net)		56.49 Acres - 4,236.7
GRAND TOTAL	2,172.76 Acres	1,624,957.6

QUADRANGLE SHEETS: 245,a - Bernstadt 6-19
245b,d,f - Ano 5-20, 245c - Vox 4-19, 245e
Billows 6-20 and Bernstadt 6-19.

FIELDBOOKS: K-35, K-32, K-21, SD-37, SD-8
SD-88A, SD-91A, SD-92, SD-93, SD-94, SD-95
SD-96.

DECLINATION: 245-30° WEST - 1971, 245a-51
WEST - 1971, 245b-Cor. 1-5-1° 13' WEST - 1
245c-Cor. 6-7-14° WEST - 1971, 245d-2° WES
1971, 245e-42° - WEST - 1967, 245f - Cor.
1° EAST - 1934 and Cor. 4-1 35° WEST - 197

SURVEYED BY
U.S. FOREST SERVICE, 1934 and
RALPH J. PALMER, LAND SURVEYOR - 1971

Checked and
approved
Date 12/15/71

12/15/71

mill and 5.00 chains west of Hawk Creek. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 9-245a and established the following bearing trees: (1) 6" twin hickory, N. 23° W., 0.305 chain; (2) 6" pine, N. 67° 30' W., 0.168 chain; (3) 14" pine, N. 79° E., 0.241 chain. Placed stones around the aluminum pipe, painted them red and erected signpost with 54-2 sign. Scribed BT on all bearing trees and painted a 6" red band 6' from base of Trees 1 and 2.

(3) Southwesterly, with center of old logging road, the following meander calls:

- a. SOUTH 23° 49' WEST, 2.027 chains to a point.
- b. SOUTH 25° 43' WEST, 2.360 " " " " .
- c. SOUTH 31° 30' WEST, 1.736 " " " " .
- d. SOUTH 05° 28' WEST, 2.343 " " " " .
- e. SOUTH 09° 57' WEST, 2.711 " " " " .
- f. SOUTH 28° 05' WEST, 1.577 " " " " .
- g. SOUTH 08° 02' WEST, 0.757 " " " " .
- h. SOUTH 23° 22' EAST, 0.653 " " " " .
- i. SOUTH 04° 25' EAST, 1.974 " " " " .
- j. SOUTH 08° 32' WEST, 1.661 " " " " .
- k. SOUTH 22° 22' WEST, 0.955 chain to CORNER 1, THE PLACE OF BEGINNING, containing 45.43 acres, be the same more or less, being part of the same tract described in a certain deed conveyed to Binder Brothers by George Bowdler and Julia Bowdler, his wife, by deed dated October 15, 1952, Deed Book 120 at page 442, in the Records of Laurel County, Kentucky; and being part of a certain deed to Binder Brothers by Ella Lichliter Basil and Theodore Basil, her husband, by deed dated November 22, 1954, Deed Book 125 at page 554, in the Records of Laurel County, Kentucky. The above deeds are listed as Deed No. 5 and Deed No. 4 in a deed conveyed to the vendor by Binder Brothers (a partnership), by deed dated April 22, 1960, Deed Book 147 at pages 381 and 382, in the Records of Laurel County, Kentucky.

TRACT NO. 245b

All that certain tract or parcel of land lying and being in Laurel County, Kentucky, situated approximately fifteen (15) miles west of

(37)

London, Kentucky, on the waters of No Business Creek, a tributary of Rockcastle River, and is more particularly described as follows:

All bearings in this description are turned from the true meridian, and all distances are expressed in chains.

BEGINNING AT CORNER 1, which is Corner 169 of U.S.A. Tract 1520, common to Lewis Hale Heirs, a 36" white oak with old hacks in wire fence and with a Forest Service standard concrete post marked 2518 alongside. Corner is on west edge of old road witnessed by the following old bearing tree: (1) 14" spotted oak (now dead), N. 66° W., 0.36 chain. Established the following bearing trees to the 36" white oak: (2) 6" pine, N. 29° E., 0.291 chain; (3) 4" pine, N. 19° 30' W., 0.335 chain; (4) 4" pine, N. 32° 30' W., 0.412 chain. Stamped the U.S. Forest Service standard concrete post Ref. Mon. A-1-245b. Painted the hacks on the 36" white oak and posted a 54-2 sign. Scribed BT on Bearing Trees 2, 3 and 4 with a 6" red band painted 6' from base.

Thence four (4) lines with Lewis Hale parcel;

(1) NORTH 77° 41' WEST, at 11.07 chains passing under Jackson County RECC power lines, in all 19.168 chains to CORNER 2, a set stone with cross (x) in old stump hole on wooded hillside north of point, witnessed by the following old bearing trees: (1) 8" chestnut oak, N. 41° 30' E., 0.066 chain; (2) 8" white oak, S. 02° 30' E., 0.180 chain; (3) black gum stump, S. 70° E., 0.337 chain. Removed the set stone and replaced it with a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 2-245b and established the following bearing trees: (4) 8" chestnut oak, S. 59° W., 0.260 chain; (5) 6" maple, N. 86° 30' W., 0.230 chain; (6) 10" black oak, N. 21° E., 0.309 chain. Placed stones around the aluminum pipe, painted them red and erected signpost with 54-2 sign. Scribed BT on Bearing Trees 4, 5 and 6 and painted a 6" red band 6' from base of Trees 5 and 6.

(2) SOUTH 17° 21' WEST, 12.683 chains to CORNER 3, a point in center of No Business Creek witnessed by the following: (1) 28" hemlock with old hacks (1934 witness corner), N. 16° 30' E., 0.267 chain; (2) 10" black gum (1934 WCBT), N. 07° 30' E., 0.375 chain. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 3-245b and established the following bearing trees: (4) 6" hickory, N. 22° 30' E., 0.491 chain; (5) 20" beech, N. 25° 30' W., 0.735 chain; (6) 12" hemlock, S. 00° 30' E., 0.168 chain. Placed stones around the aluminum pipe, painted them red and erected signpost with 54-2 sign. Scribed BT on Bearing Trees 4, 5 and 6 with a 6" red band painted 6' from base.

(3) Northwesterly, down the center of No Business Creek, the following meander calls:

- a. SOUTH 88° 46' WEST, 0.845 chain to a point.
- b. NORTH 66° 26' WEST, 2.250 " " " " .
- c. NORTH 55° 02' WEST, 1.186 " " " " .
- d. NORTH 79° 09' WEST, 1.260 " " " " .
- e. NORTH 63° 54' WEST, 1.080 " " " " .
- f. SOUTH 84° 03' WEST, 1.090 " " " " .
- g. NORTH 40° 24' WEST, 1.683 " " " " .
- h. NORTH 24° 16' WEST, 0.446 " " " " .
- i. SOUTH 51° 00' WEST, 0.699 " " " " .
- j. NORTH 36° 25' WEST, 1.015 " " " " .
- k. NORTH 57° 04' WEST, 1.503 " " " " .
- l. NORTH 68° 44' WEST, 1.734 " " " " .
- m. NORTH 18° 10' WEST, 0.920 " " " " .
- n. NORTH 00° 35' EAST, 0.596 " " " " .
- o. NORTH 47° 27' WEST, 1.033 " " " " .
- p. NORTH 86° 09' WEST, 0.449 " " " " .
- q. NORTH 26° 51' WEST, 0.785 " " " " .
- r. NORTH 00° 45' EAST, 0.346 " " " " .
- s. NORTH 41° 51' WEST, 0.500 " " " " .

t. NORTH 39° 40' WEST, 1.795 chains to CORNER 4, a point in center of No Business Branch at forks of a branch, witnessed by the following: (1) hemlock stump (1934 witness corner), S. 75° E., 0.274 chain; (2) 8" birch (1934 WCBT), S. 80° E., 0.370 chain. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 4-245b and established the following bearing trees: (3) 20" beech, N. 31° E., 0.385 chain; (4) 8" beech, S. 20° W., 0.158 chain; (5) 6" maple, N. 10° E., 0.243 chain. Placed stones around the aluminum pipe, painted them red and erected signpost with 54-2 sign. Scribed BT on Bearing Trees 3, 4 and 5 and painted a 6" red band 6' from base of Trees 3 and 5.

(39)

(4) Southwesterly, continuing down No Business Branch, the following meander calls:

- a. NORTH 53° 13' WEST, 0.560 chain to a point.
- b. SOUTH 81° 45' WEST, 1.590 " " " " .
- c. SOUTH 73° 29' WEST, 3.179 " " " " .
- d. NORTH 81° 22' WEST, 1.926 " " " " .
- e. NORTH 68° 07' WEST, 1.955 . " " " " .
- f. NORTH 76° 19' WEST, 2.196 " " " " .
- g. SOUTH 76° 21' WEST, 1.909 " " " " .
- h. NORTH 67° 54' WEST, 0.812 " " " " .
- i. SOUTH 58° 45' WEST, 1.104 " " " " .
- j. SOUTH 43° 07' WEST, 0.862 " " " " .
- k. SOUTH 69° 56' WEST, 6.148 " " " " .
- l. SOUTH 18° 29' WEST, 1.869 " " " " .
- m. SOUTH 70° 00' WEST, 0.883 " " " " .
- n. SOUTH 65° 16' WEST, 1.002 " " " " .
- o. NORTH 37° 02' WEST, 0.613 " " " " .
- p. NORTH 13° 46' WEST, 0.784 " " " " .
- q. SOUTH 89° 10' WEST, 0.650 " " " " .
- r. SOUTH 53° 07' WEST, 0.990 " " " " .

s. SOUTH 47° 58' WEST, 0.501 chain to CORNER 5, which is Corner 8 of U.S.A. Tract 1371b, common to Lewis Hale Heirs, a point in center of No Business Branch, at forks of a branch witnessed by the following: (1) chestnut stump (1934 witness corner), N. 71° 30' E., 0.440 chain; (2) 8" poplar (1938 WCBT), N. 76° E., 0.31 chain; (3) birch stump (1934 WCBT), S. 13° E., 0.460 chain. Set two (2) 1 3/4" x 30" aluminum pipe reference monuments with 3" aluminum caps stamped Ref. Mon. A-5-245b, 8-1371b and

Ref. Mon. B-5-245b, 8-1371b, which bear S. 47° 58' W., 0.382 chain and S. 47° 58' W., 0.672 chain distant, respectively. Established the following bearing trees: (4) 6" birch, N. 03° E., 0.37 chain; (5) 6" birch, S. 51° W., 0.509 chain. Placed stones around monuments, painted them red, and erected signpost with 54-2 sign. Scribed BT on Bearing Trees 4 and 5 with a 6" red band 6' from base.

Thence three (3) lines with U.S.A. Tract 1371b, reversed;

(1) Northwesterly, down No Business Creek, the following meander calls:

- (a) NORTH 84° 15' WEST, 0.69 chain to a point.
- (b) NORTH 40° 00' WEST, 1.77 " " " "
- (c) NORTH 17° 15' EAST, 1.22 " " " "
- (d) NORTH 35° 15' WEST, 1.52 " " " "
- (e) NORTH 47° 45' WEST, 1.52 " " " "
- (f) NORTH 09° 15' WEST, 1.20 " " " "
- (g) NORTH 61° 00' WEST, 1.52 " " " "
- (h) NORTH 28° 30' WEST, 1.98 " " " "
- (i) NORTH 68° 00' WEST, 1.40 " " " "
- (j) NORTH 47° 00' WEST, 0.75 " " " "
- (k) NORTH 11° 15' EAST, 0.72 " " " "
- (l) NORTH 84° 15' WEST, 1.69 " " " "
- (m) NORTH 63° 00' WEST, 2.59 " " " "
- (n) NORTH 00° 30' WEST, 1.06 " " " "
- (o) NORTH 45° 45' WEST, 1.71 " " " "
- (p) NORTH 56° 15' WEST, 1.13 " " " "
- (q) NORTH 59° 45' WEST, 1.51 " " " "
- (r) NORTH 07° 15' EAST, 0.78 " " " "

- (e) NORTH 52° 30' WEST, 1.52 chains to a point.
- (t) NORTH 77° 15' WEST, 2.22 " " " " .
- (u) SOUTH 51° 30' WEST, 0.93 " " " " .
- (v) NORTH 71° 30' WEST, 1.36 " " " " .
- (w) NORTH 30° 15' WEST, 1.68 " " " " .
- (x) NORTH 07° 15' EAST, 1.34 " " " " .
- (y) NORTH 18° 15' WEST, 2.60 . " " " " .

(z) NORTH 04° 45' WEST, 1.42 chains to CORNER 6, which is Corner 7 of U.S.A. Tract 1371b, a large rock marked with a cross (x) in center of No Business Creek, witnessed by a beech and lynn bearing trees scribed BTGW135.

(2) NORTH 58° 15' EAST, at 2.36 chains crossing main cliff, at 8.60 chains crossing top of main cliff, at 12.92 chains crossing top of main cliff again, at 20.50 chains crossing main cliff again, at 21.03 chains crossing Kentucky Utilities Company transmission power lines, at 23.37 chains crossing a branch, at 24.38 chains crossing another cliff and at 36.37 chains crossing a drain, in all 40.82 chains to CORNER 7, which is Corner 6 of U.S.A. Tract 1371b, a black oak stump with a set stone alongside, approximately 5.00 chains south of old James M. Brewer house site. Corner was identified by Lewis Hale in 1934 survey and said to be in line of the Joseph Gillis 500-acre grant, No. 10853, dated June 4, 1846. The black oak stump is witnessed by a black pine and black oak bearing trees scribed BTGW117.

(3) SOUTH 77° 15' WEST, at 4.50 chains crossing a drain, and at 8.26 chains crossing North Fork of No Business Creek, in all 21.71 chains to CORNER 8, which is Corner 5 of U.S.A. Tract 1371b and Corner 2 of U.S.A. Tract 1371b-I, a Forest Service standard concrete post marked 2502 on edge of cliff. Corner was identified by Lewis Hale in 1934 survey and said to be corners of Joseph Gillis 500-acre grant, No. 10853 dated June 4, 1846 and the W.M. Helton 30-acre grant, No. 60667 dated June 20, 1887. The corner is witnessed by two (2) black pine bearing trees scribed BTGW104.

Thence with U.S.A. Tract 1371b-I, reversed;

NORTH 04° 00' EAST, at 18.98 chains crossing a cliff, at 20.45 chains crossing headwaters of Willow Branch, at 21.67 chains crossing cliff and at 30.44 chains crossing old road, in all 36.04 chains to CORNER 9, which is Corner 1 of U.S.A. Tract 1371b-I, and Corner 2 of U.S.A. Tract 1371b, common to the Benge Heirs parcel, a point in center of old Rockcastle

Springe Road, witnessed by the following old trees: (1) 12" white oak (1934 WC), N. 05° E., 0.120 chain; (2) 10" white oak (1934 WCBT), N. 61° W., 0.425 chain. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 9-245b, 1-1371b-1 and 2-1371b and established the following bearing trees: (3) 8" pine, S. 45° E., 0.125 chain; (4) 6" pine, S. 79° E., 0.250 chain. Placed stones around the aluminum pipe, painted them red and erected signpost with 54-2 sign. Scribed BT on Trees 2, 3 and 4 and with a 6" red band 6' from base. Also painted the base blazes on the old bearing trees.

Thence with U.S.A. Tract 1371b, reversed;

NORTH 04° 00' EAST, at 19.09 chains passing under Jackson County RECC power lines, crossing four (4) cliffs and headwaters of Buck Lick Branch, in all 26.03 chains to CORNER 10, which is Corner 1 of U.S.A. Tract 1371b, Corner 1 of U.S.A. Tract 1520 and Corner 1 of U.S.A. Tract 1985a, a set stone with a P.S. standard concrete post marked 2501 alongside, on south side of old Sublimity Road, and is witnessed by two (2) white oak bearing trees. Corner was identified by J.H. Black and Lewis Hale in 1934 survey, and said to be a corner of Joseph Gillis 500-acre grant, No. 10853.

Thence two (2) lines with U.S.A. Tract 1985a, reversed;

(1) SOUTH 82° 15' EAST, 5.87 chains to CORNER 11, which is Corner 21 of U.S.A. Tract 1985a, a set stone in a white oak stump, on south side of old Sublimity Road witnessed by two (2) black pine bearing trees. Corner was identified by Lewis Hale in 1934 survey.

(2) NORTH 43° 53' EAST, at 1.597 chains crossing Kentucky Highway No. 192 at center line station 911+00, and at 2.44 chains crossing old Sublimity Road, in all 3.995 chains to CORNER 12, which is in line of Corners 20 to 21 of U.S.A. Tract 1985a, common to Claudia Mason parcel, a point in red-painted line on north edge of old Sublimity Road. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 12-245b and established the following bearing trees: (1) 18" white oak, N. 02° E., 0.335 chain; (2) 6" pine, N. 55° E., 0.454 chain; (3) 6" maple, S. 03° E., 0.295 chain. Placed stones around the aluminum pipe, painted them red and erected signpost with 54-2 sign. Scribed BT on all bearing trees and painted a 6" red band 6' from base of Trees 1 and 3.

Thence six (6) lines with Claudia Mason parcel;

(1) NORTH 71° 39' EAST, 2.206 chains to CORNER 13, a point on north edge of old Sublimity Road. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 13-245b and established the following bearing trees: (1) 7" pine, S. 80° 30' E., 0.135 chain; (2) 10" white oak, S. 23° 15' W., 0.692 chain; (3) 9" pine, N. 61° W., 0.130 chain. Placed stones around the

aluminum pipe, painted them red, and erected signpost with 54-2 sign. Scribed BT on all bearing trees and painted a 6" red band 6' from base of Tree No. 1.

(2) SOUTH 77° 03' EAST, 1.422 chains to CORNER 14, a point on north side of old Sublimity Road. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 14-245b and established the following bearing trees: (1) 10" pine, S. 27° E., 0.238 chain; (2) 7" pine, S. 55° 30' W., 0.319 chain; (3) 6" sycamore, N. 41° 45' E., 0.375 chain. Placed stones around the aluminum pipe, painted them red, and erected signpost with 54-2 sign. Scribed BT on all bearing trees and painted a 6" red band 6' from base of Trees 1 and 2.

(3) SOUTH 46° 43' EAST, 1.705 chains to CORNER 15, a point on north side of old Sublimity Road. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 15-245b and established the following bearing trees: (1) 6" pine, S. 41° 30' W., 0.315 chain; (2) 6" pine, N. 63° E., 0.227 chain; (3) 8" pine, NORTH, 0.102 chain. Placed stones around the aluminum pipe, painted them red, and erected signpost with 54-2 sign. Scribed BT on all bearing trees and painted a 6" red band 6' from base of Tree No. 1.

(4) SOUTH 25° 59' EAST, 3.826 chains to CORNER 16, a point on north edge of old Sublimity Road and in the north right-of-way line of Kentucky Highway No. 192. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 16-245b and established the following bearing trees: (1) 8" poplar, N. 17° E., 0.165 chain; (2) 6" poplar, EAST, 0.193 chain; (3) 6" pine, N. 50° 30' W., 0.463 chain. Placed stones around the aluminum pipe, painted them red and erected signpost with 54-2 sign. Scribed BT on all bearing trees and painted a 6" red band 6' from base of Tree No. 1.

(5) SOUTH 41° 42' EAST, 1.352 chains to CORNER 17, a point at toe of slope in north right-of-way line of Kentucky Highway No. 192, witnessed by the following old bearing tree: (1) 30" black oak, N. 04° E., 0.038 chain. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 17-245b and established the following bearing trees: (2) 12" pine, S. 26° E., 0.045 chain; (3) 6" maple, S. 85° W., 0.050 chain. Placed stones around the aluminum pipe, painted them red, and erected signpost with 54-2 sign. Scribed BT on all bearing trees and painted a 6" red band 6' from base of Tree No. 1.

(6) NORTH 44° 43' EAST, at 5.98 chains crossing a drain and at 9.56 chains crossing same again, in all 11.437 chains to CORNER 18, which is between Corners 19 and 20 of U.S.A. Tract 1985a, common to Claudia Mason parcel, a set stone on northwest bank of a small creek in white and red-painted lines. Set a 1 3/4" x 30" aluminum pipe with a 3" aluminum cap stamped 18-245b and established the following bearing trees: (1) 8" beech, N. 28° W., 0.115 chain; (2) 6" maple, S. 73° E., 0.110 chain; (3) 6" holly, S. 18° W., 0.186 chain. Placed stones around the aluminum pipe, painted them red, and erected signpost with 54-2 sign. Scribed BT on all bearing trees with a 6" red band 6' from base.

Thence four (4) lines with U.S.A. Tract 1985a, reversed;

(1) SOUTH 44° 47' EAST, at 0.27 chain crossing a small creek, at 6.65 chains crossing a ridge and at 7.35 chains crossing old logging road, in all 13.842 chains to CORNER 19, which is Corner 19 of U.S.A. Tract 1985a, a leaning dead poplar with a set stone on wooded hillside witnessed by a pine stump and a chestnut oak bearing tree.

(2) NORTH 61° 53' EAST, 19.93 chains to CORNER 20, which is Corner 18 of U.S.A. Tract 1985a, a chestnut stump with a set stone alongside on southeast brow of ridge, identified by Lewis Hale in 1934 survey. Corner is witnessed by two (2) black oak bearing trees with scribing BTMW82, and a pine bearing tree with scribing BT18-1985a.

(3) SOUTH 89° 37' EAST, 11.71 chains to CORNER 21, which is Corner 17 of U.S.A. Tract 1985a, a pine stump with a set stone alongside on a small knoll, identified by Lewis Hale in 1934 survey. Corner is witnessed by a black oak, a black pine with scribing BTMW88 and a white oak with scribing BT17-1985a.

(4) SOUTH 70° 37' EAST, at 9.23 chains crossing Pounder Branch, in all 11.73 chains to CORNER 22, which is Corner 16 of U.S.A. Tract 1985a, and in line of Corners 188 to 189 of U.S.A. Tract 1520, a set stone on west slope, 2.50 chains east of Pounder Branch. The set stone is witnessed by two (2) black oak bearing trees with scribing BTIMW93 and an 8" white oak with scribing BT16-1985a.

Thence twenty (20) lines with U.S.A. Tract 1520, reversed;

(1) SOUTH 14° 30' WEST, 17.03 chains to CORNER 23, which is Corner 188 of U.S.A. Tract 1520, a set stone with old marks, identified by Lewis Hale in 1934 survey. The set stone is witnessed by a poplar and maple bearing trees with scribing BTTC114.

(2) SOUTH 06° 15' EAST, 4.92 chains to CORNER 24, which is Corner 187 of U.S.A. Tract 1520, a point in center of Pounder Branch, witnessed by a 24" hemlock with old marks which bears S. 40° W., 0.180 chain. The 24" hemlock is witnessed by a gum and hemlock bearing trees with scribing BTTC116.

(3) Southerly, up Pounder Branch as it meanders, the following meander calls:

a. SOUTH 48° 30' EAST, 0.37 chain to a point.

b. SOUTH 70° 15' EAST, 0.43 " " " "

c. SOUTH 35° 45' EAST, 1.17 " " " "

d. SOUTH 24° 45' WEST, 1.076 " " " "

e. SOUTH 72° 00' WEST, 2.34 chains to CORNER 25, which is Corner 186 of U.S.A. Tract 1520, a point in center of Pounder Branch, witnessed by a 24"

white oak with old marks, scribed FSGW32, and with a set stone alongside, which bears S. 73° E., 0.49 chain. The 24" hemlock is witnessed by two (2) spruce pine bearing trees with scribing BTGW32.

(4) Southerly, continuing up Pounder Branch, the following meander calls:

- a. SOUTH 30° 00' EAST, 3.23 chains to a point.
- b. SOUTH 20° 00' EAST, 1.48 " " " "
- c. SOUTH 22° 00' EAST, 2.00 " " " "
- d. SOUTH 12° 00' EAST, 1.05 " " " "
- e. SOUTH 43° 15' EAST, 0.78 " " " "
- f. SOUTH 11° 00' EAST, 1.09 " " " "
- g. SOUTH 36° 45' EAST, 1.62 " " " "
- h. SOUTH 17° 15' WEST, 1.46 " " " "
- i. SOUTH , 2.38 " " " "
- j. SOUTH 12° 00' EAST, 1.35 " " " "
- k. SOUTH 34° 30' EAST, 0.85 " " " "
- l. SOUTH 11° 30' EAST, 0.99 " " " "
- m. SOUTH 08° 45' EAST, 1.64 " " " "
- n. SOUTH 41° 30' EAST, 1.95 " " " "
- o. SOUTH 04° 00' EAST, 2.00 " " " "

p. SOUTH 01° 00' EAST, 2.00 chains to CORNER 26, which is Corner 185 of U.S.A. Tract 1520, a point in center of Pounder Branch, witnessed by a set stone which bears NORTH, 0.42 chain on north bank of said branch. The set stone is witnessed by a white oak and mulberry bearing trees with scribing BTWCTC106.

(5) SOUTH 01° 00' WEST, 1.69 chains to CORNER 27, which is Corner 184 of U.S.A. Tract 1520, a point in center of old road, 1.00 chain northwest of Pounder Branch, north of old Sublimity Road, witnessed by a maple with old hacks, scribed TC105, and with a set stone alongside which bears N. 43° E., 0.17 chain. The maple corner is witnessed by a white oak and poplar bearing trees with scribing BTTC105.

(6) SOUTH 40° 30' EAST, 1.57 chains to CORNER 28, which is Corner 183 of U.S.A. Tract 1520, a point in center of Pounder Branch at mouth of drain, in north edge of old Sublimity Road, witnessed by a set stone with old

marks which bears N. 22° E., 0.11 chain on west edge of said branch and the north bank of said road. The set stone is witnessed by a white oak and sycamore bearing trees with scribing BTWC104.

(7) SOUTH 48° 15' EAST, 1.99 chains along drain to CORNER 29, which is Corner 182 of U.S.A. Tract 1520, a set stone in center of old road and the north side of old Sublimity Road. The set stone is witnessed by a maple and sycamore bearing trees with scribing BTWG10.

(8) SOUTH 76° 30' EAST, 8.42 chains along old road to CORNER 30, which is Corner 181 of U.S.A. Tract 1520, a set stone with old marks in center of old road. The set stone is witnessed by a double black pine bearing tree with scribing BTWG7, a wild cherry bearing tree with scribing BTWG7 and a Forest Service standard concrete post marked 5011 which bears S. 83° 30' W., 3.35 chains.

(9) NORTH 88° 30' EAST, 3.67 chains continuing along old road to CORNER 31, which is Corner 180 of U.S.A. Tract 1520, a set stone with old marks on south side of old road, witnessed by a black oak and black pine bearing trees with scribing BTWG5.

(10) NORTH 76° 00' EAST, 3.49 chains continuing along old road to CORNER 32, which is Corner 179 of U.S.A. Tract 1520, a point in center of old road, 0.70 chain northwest of junction with old Sublimity Road. The corner in said road is witnessed by a post oak with old marks, scribed FSWC1TC99 which bears N. 07° W., 0.18 chain. The post oak is witnessed by a maple and black pine bearing trees with scribing BTWC1TC99.

(11) SOUTH 72° 00' EAST, 1.40 chains continuing along old road to CORNER 33, which is Corner 178 of U.S.A. Tract 1520, a point in center of old Sublimity Road on ridge. The point in center of said road is witnessed by a post oak and black pine bearing trees with scribing BTWG1.

(12) Easterly, with center of old Sublimity Road, the following meander calls:

- a. SOUTH 63° 45' EAST, 2.78 chains to a point.
- b. SOUTH 71° 15' EAST, 2.02 " " " "
- c. SOUTH 88° 30' EAST, 4.55 chains to CORNER 34, which is Corner 177 of U.S.A. Tract 1520, a point in center of Sublimity Road, identified by Lewis Hale in 1935 survey. The point in center of said road is witnessed by a white oak with old marks scribed FSTC95 which bears S. 16° W., 0.10 chain. The white oak is witnessed by a black pine and spotted oak bearing trees with scribing BTTC95.

(13) SOUTH 05° 00' WEST, 8.65 chains to CORNER 35, which is Corner 176 of U.S.A. Tract 1520, a rotted gum stump with a set stone alongside on south side of branch, identified by Lewis Hale in 1935 survey. The rotted gum stump is witnessed by two (2) white oak bearing trees scribed BTTC92.

(47)

(14) SOUTH 00° 15' EAST, 6.75 chains to CORNER 36, which is Corner 175 of U.S.A. Tract 1520, a set stone with old marks on north side of old Rockcastle River Road, identified by Lewis Hale in 1934 survey. The set stone is witnessed by a maple and spotted oak bearing trees with scribing BTTC90.

(15) SOUTH 48° 00' WEST, 8.00 chains to CORNER 37, which is Corner 174 of U.S.A. Tract 1520, a white oak with old marks, identified by Lewis Hale in 1934 survey. The white oak corner is witnessed by a spotted oak and black pine bearing trees with scribing BTTC87.

(16) NORTH 84° 30' WEST, 17.45 chains to CORNER 38, which is Corner 173 of U.S.A. Tract 1520, a set stone with old marks on south side of branch, identified by Lewis Hale in 1934 survey. Corner is witnessed by two (2) white oak-bearing trees scribed BTTC83.

(17) SOUTH 04° 00' WEST, 7.20 chains to CORNER 39, which is Corner 172 of U.S.A. Tract 1520, a set stone with old marks on ridge, identified by Lewis Hale in 1934 survey. Corner is witnessed by two (2) spotted oak bearing trees scribed BTTC79.

(18) SOUTH 59° 45' WEST, at 11.98 chains crossing Kentucky Highway 192, at center line station 827+16.89, in all 13.22 chains to CORNER 40, which is Corner 171 of U.S.A. Tract 1520, a set stone with old marks on north side of old road, identified by Lewis Hale in 1934 survey. The set stone is witnessed by a hickory and black oak bearing trees scribed BTTC76.

(19) SOUTH 01° 00' EAST, at 0.32 chain crossing old road, at 1.790 chains passing under Kentucky Utilities Co. transmission power lines, in all 9.33 chains to CORNER 41, which is Corner 170 of U.S.A. Tract 1520, a chestnut oak with old marks and with a set stone alongside, identified by Lewis Hale in 1934 survey. Corner is 1.00 chain north of old Rockcastle Spring Road witnessed by two (2) spotted oak bearing trees scribed BTTC73.

(20) SOUTH 27° 00' WEST, at 1.00 chain crossing old Rockcastle Spring Road, in all 1.76 chains to CORNER 1, THE PLACE OF BEGINNING, containing 839.32 acres, be the same more or less, being part of the same tracts described in a certain deed conveyed to the vendor by Binder Brothers (a partnership) composed of D.O. Binder, Eddie A. Binder, Lewis A. Binder, and Frances Binder, and their wives, Ethel Binder, Etsie Binder, Edna Binder and Pearl Binder, respectively, by deed dated April 22, 1960, Deed Book 147 at pages 386-389 in the Records of Laurel County, Kentucky.

EXCEPTING, however, from the above-described Tract 245b, 12.59 acres, heretofore deeded to the Commonwealth of Kentucky for right-of-way of

(47)

(14) SOUTH 00° 15' EAST, 6.75 chains to CORNER 36, which is Corner 175 of U.S.A. Tract 1520, a set stone with old marks on north side of old Rockcastle River Road, identified by Lewis Hale in 1934 survey. The set stone is witnessed by a maple and spotted oak bearing trees with scribing BTTC90.

ge
end-

(15) SOUTH 48° 00' WEST, 8.00 chains to CORNER 37, which is Corner 174 of U.S.A. Tract 1520, a white oak with old marks, identified by Lewis Hale in 1934 survey. The white oak corner is witnessed by a spotted oak and black pine bearing trees with scribing BTTC87.

ers
.S.A.
f

(16) NORTH 84° 30' WEST, 17.45 chains to CORNER 38, which is Corner 173 of U.S.A. Tract 1520, a set stone with old marks on south side of branch, identified by Lewis Hale in 1934 survey. Corner is witnessed by two (2) white oak bearing trees scribed BTTC83.

low-

(17) SOUTH 04° 00' WEST, 7.20 chains to CORNER 39, which is Corner 172 of U.S.A. Tract 1520, a set stone with old marks on ridge, identified by Lewis Hale in 1934 survey. Corner is witnessed by two (2) spotted oak bearing trees scribed BTTC79.

(18) SOUTH 59° 45' WEST, at 11.98 chains crossing Kentucky Highway 2, at center line station 827+16.89, in all 13.22 chains to CORNER 40, which is Corner 171 of U.S.A. Tract 1520, a set stone with old marks on north side of old road, identified by Lewis Hale in 1934 survey. The set stone is witnessed by a hickory and black oak bearing trees scribed BTTC76.

center line

(19) SOUTH 01° 00' EAST, at 0.32 chain crossing old road, at 1.790 chains passing under Kentucky Utilities Co. transmission power lines, in all 9.33 chains to CORNER 41, which is Corner 170 of U.S.A. Tract 1520, a chestnut oak with old marks and with a set stone alongside, identified by Lewis Hale in 1934 survey. Corner is 1.00 chain north of old Rockcastle Spring Road witnessed by two (2) spotted oak bearing trees scribed BTTC73.

(20) SOUTH 27° 00' WEST, at 1.00 chain crossing old Rockcastle Spring Road, in all 1.76 chains to CORNER 1, THE PLACE OF BEGINNING, containing 2.32 acres, be the same more or less, being part of the same tracts scribed in a certain deed conveyed to the vendor by Binder Brothers (a partnership) composed of D.O. Binder, Eddie A. Binder, Lewis A. Binder, Frances Binder, and their wives, Ethel Binder, Etsie Binder, Edna Binder and Pearl Binder, respectively, by deed dated April 22, 1960, Deed Book 147 at pages 386-389 in the Records of Laurel County, Kentucky.

EXCEPTING, however, from the above-described Tract 245b, 12.59 acres, heretofore deeded to the Commonwealth of Kentucky for right-of-way of

- (17) NORTH 13° 43' EAST, 1.861 chains to a point.
- (18) NORTH 11° 10' EAST, 1.515 " " " "
- (19) NORTH 09° 53' EAST, 1.515 " " " "
- (20) NORTH 06° 29' EAST, 1.515 " " " "
- (21) NORTH 03° 38' EAST, 1.515 " " " "
- (22) NORTH 00° 43' EAST, 1.515 " " " "
- (23) NORTH 01° 38' WEST, 1.515 " " " "
- (24) NORTH 03° 27' WEST, 1.515 " " " "
- (25) NORTH 05° 49' WEST, 1.515 " " " "
- (26) NORTH 08° 41' WEST, 1.515 " " " "
- (27) NORTH 11° 28' WEST, 1.515 " " " "
- (28) NORTH 14° 11' WEST, 1.515 " " " "
- (29) NORTH 16° 16' WEST, 1.515 " " " "
- (30) NORTH 19° 09' WEST, 1.836 " " " "
- (31) NORTH 21° 54' WEST, 2.273 " " " "
- (32) NORTH 23° 39' WEST, 15.447 " " " "
- (33) NORTH 25° 02' WEST, 2.273 " " " "
- (34) NORTH 28° 51' WEST, 0.898 " " " "
- (35) NORTH 36° 42' WEST, 1.515 " " " "
- (36) NORTH 47° 00' WEST, 1.515 " " " "
- (37) NORTH 56° 50' WEST, 1.515 " " " "
- (38) NORTH 67° 31' WEST, 1.515 " " " "
- (39) NORTH 76° 21' WEST, 1.515 " " " "
- (40) NORTH 83° 44' WEST, 0.771 " " " "

(50)

- (41) SOUTH 85° 35' WEST, 2.271 chains to a point.
- (42) SOUTH 80° 33' WEST, 1.905 " " " "
- (43) SOUTH 81° 19' WEST, 3.029 " " " "
- (44) SOUTH 84° 44' WEST, 1.223 " " " "
- (45) SOUTH 88° 41' WEST, 1.515 " " " "
- (46) NORTH 85° 30' WEST, 1.515 " " " "
- (47) NORTH 81° 16' WEST, 1.515 " " " "
- (48) NORTH 76° 42' WEST, 1.515 " " " "
- (49) NORTH 70° 54' WEST, 1.515 " " " "
- (50) NORTH 65° 33' WEST, 1.515 " " " "
- (51) NORTH 60° 18' WEST, 1.515 " " " "
- (52) NORTH 56° 29' WEST, 1.515 " " " "
- (53) NORTH 52° 02' WEST, 1.332 " " " "
- (54) NORTH 45° 18' WEST, 3.029 " " " "
- (55) NORTH 41° 20' WEST, 6.812 " " " "
- (56) NORTH 42° 35' WEST, 3.027 " " " "
- (57) NORTH 50° 29' WEST, 0.947 " " " "
- (58) NORTH 58° 38' WEST, 1.515 " " " "
- (59) NORTH 69° 25' WEST, 1.515 " " " "
- (60) NORTH 76° 23' WEST, 1.071 " " " "

(61) NORTH 87° 43' WEST, 2.716 chains to a point at center line station 911+00 which is between Corners 20 and 21 of U.S.A. Tract 1985a. Corner 11 of the above Tract 245b, which is Corner 21 of said Tract 1985a, bears S. 44° 53' W., 1.597 chains.

The above description holds true with the following exceptions in the width:

(51)

Station to Station	Right Side	Left Side	Total Width from Center Line
827+16.89 to 828+50		X	65'
827+16.89 to 828+00	X		65'
830+50 to 836+00		X	40'
831+50 to 836+50	X		40'
837+00 to 849+00		X	40'
843+00 to 844+00	X		40'
899+00 to 901+50		X	40'
907+50 to 909+00		X	50'
907+50 to 909+00	X		40'

The net acreage of said above-described Tract 245b, after deducting the above-described right-of-way of 12.59 acres, is 826.73 acres, be the same more or less.

TRACT NO. 245c

All that certain tract or parcel of land lying and being in Laurel County, Kentucky, situated approximately fourteen (14) miles southwest of London, Kentucky, on the waters of Craig Creek, a tributary of Laurel River, and is more particularly described as follows:

All bearings in this description are turned from the true meridian, and all distances are expressed in chains.

BEGINNING AT CORNER 1, which is Corner 1 of U.S.A. Tract 1520-IX and Corner 114 of U.S.A. Tract 1520, common to an unknown owner (formerly the William Higgins parcel); a point at intersection of distances of the old bearing trees on north bank of Craig Creek. The set stone and the Forest Service standard concrete post marked 2522 called for are now gone. This corner was identified by C.C. Hale in U.S. Forest Service 1934 survey. Corner is 1.00 chain south of logging road, witnessed by the following old bearing trees with red-painted face and base blazes: (1) 24" beech (1934 BT) with old scribing, N. 20° W., 0.05 chain; (2) 10" sourwood (1934 BT), N. 15° E., 0.350 chain; (3) 8" maple (1938 BT), N. 20° W., 0.41 chain. Set a 1 3/4" x 30" aluminum pipe reference monument with a 3" aluminum cap stamped Ref. Mon. "A" 1-245c, 1-1520-IX and 114-1520 which bears N. 89° 45' W., 0.261 chain. Established and scribed BT on the following bearing tree: 6" maple, S. 82° W., 0.345 chain. Placed stones around the reference monument, painted them red and erected signpost with 54-2 sign. Repainted the face and base blazes on the old bearing trees and painted a 6" red band 6' from base of Trees 1, 3 and 4.

Thence with an unknown owner (formerly the William Higgins parcel);

APPENDIX E
ENVIRONMENTAL DATABASE SEARCH RESULTS

FirstSearch Technology Corporation

Environmental FirstSearch™ Report

TARGET PROPERTY:

BALDROCK KY

Job Number: 310075006

PREPARED FOR:

BAT Associates, Inc

181 Lafayette Drive

Oak Ridge, TN 37830

07-24-06



Tel: (407) 265-8900

Fax: (407) 265-8904

**Environmental FirstSearch
Search Summary Report**

Target Site:

BALDROCK KY

FirstSearch Summary

Database	Scl	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	06-08-06	1.00	0	0	0	0	0	0	0
CERCLIS	Y	06-08-06	0.50	0	0	0	0	-	0	0
NFRAP	Y	06-08-06	0.50	0	0	0	0	-	0	0
RCRA TSD	Y	04-16-06	0.50	0	0	0	0	-	0	0
RCRA COR	Y	04-16-06	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	04-16-06	0.25	0	0	0	-	-	0	0
RCRA NLR	Y	04-16-06	0.25	0	0	0	-	-	0	0
ERNS	Y	12-31-05	0.15	0	0	0	-	-	0	0
State Sites	Y	03-20-06	1.00	0	0	0	0	0	0	0
Spills-1990	Y	NA	0.25	0	0	0	-	-	0	0
SWL	Y	03-28-06	0.50	0	0	0	0	-	0	0
Other	Y	NA	0.25	0	0	0	-	-	0	0
REG UST/AST	Y	01-25-05	0.25	0	0	0	-	-	0	0
Leaking UST	Y	08-01-05	0.50	0	0	0	0	-	0	0
Federal Land Use	Y	01-27-05	0.50	1	0	0	0	-	0	1
Brownfield	Y	10-18-05	0.50	0	0	0	0	-	0	0
- TOTALS -				1	0	0	0	0	0	1

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

*Environmental FirstSearch
Site Information Report*

Request Date:	07-24-06	Search Type:	COORD
Requestor Name:	Steve Bunkley	Job Number:	310075006
Standard:	ASTM		Filtered Report

TARGET ADDRESS:
BALDROCK KY

Demographics

Sites: 1	Non-Geocoded: 0	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	-84.2862	-84:17:10	Easting: 741508.177
Latitude:	36.9956	36:59:44	Northing: 4097624.296
			Zone: 16

Comment

Comment:PHASRE 1 ESA BALDROCK CONSERVATION

Additional Requests/Services

Adjacent ZIP Codes: 0 Mile(s)					Services:																																			
<table border="1"> <thead> <tr> <th>ZIP Code</th> <th>City Name</th> <th>ST</th> <th>Dist/Dir</th> <th>Set</th> </tr> </thead> <tbody> <tr> <td colspan="5"> </td> </tr> </tbody> </table>					ZIP Code	City Name	ST	Dist/Dir	Set						<table border="1"> <thead> <tr> <th></th> <th>Requested?</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Sanborns</td> <td>No</td> <td></td> </tr> <tr> <td>Aerial Photographs</td> <td>No</td> <td></td> </tr> <tr> <td>Historical Topos</td> <td>No</td> <td></td> </tr> <tr> <td>City Directories</td> <td>No</td> <td></td> </tr> <tr> <td>Title Search</td> <td>No</td> <td></td> </tr> <tr> <td>Municipal Reports</td> <td>No</td> <td></td> </tr> <tr> <td>Online Topos</td> <td>No</td> <td></td> </tr> </tbody> </table>			Requested?	Date	Sanborns	No		Aerial Photographs	No		Historical Topos	No		City Directories	No		Title Search	No		Municipal Reports	No		Online Topos	No	
ZIP Code	City Name	ST	Dist/Dir	Set																																				
	Requested?	Date																																						
Sanborns	No																																							
Aerial Photographs	No																																							
Historical Topos	No																																							
City Directories	No																																							
Title Search	No																																							
Municipal Reports	No																																							
Online Topos	No																																							

*Environmental FirstSearch
Sites Summary Report*

TARGET SITE:

BALDROCK KY

JOB: 310075006

PHASRE 1 ESA BALDROCK CONSERVATION

TOTAL: 1 **GEOCODED:** 1 **NON GEOCODED:** 0 **SELECTED:** 0

<u>Map ID</u>	<u>DB Type</u>	<u>Site Name/ID/Status</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Page No.</u>
1	LANDUSE	NATIONAL FOREST FS DANIEL BOONE NA 48759	KY	0.00 --	1

Environmental FirstSearch Database Descriptions

NPL: *EPA* NATIONAL PRIORITY LIST - Database of confirmed, proposed or deleted Superfund sites.

CERCLIS: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM - Database of current and potential Superfund sites currently or previously under investigation.

NFRAP: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

RCRA TSD: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of facilities licensed to store, treat and dispose of hazardous waste materials.

RCRA COR: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of RCRA facilities with reported violations and subject to corrective actions.

RCRA GEN: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities that generate or transport hazardous waste or meet other RCRA requirements. LGN - Large Quantity Generators SGN - Small Quantity Generators VGN - Conditionally Exempt Generator. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

RCRA NLR: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities not currently classified by the EPA but are still included in the RCRIS database. Reasons for non classification: Failure to report in a timely matter. No longer in business. No longer in business at the listed address. No longer generating hazardous waste materials in quantities which require reporting.

ERNS: *EPA/NRC* EMERGENCY RESPONSE NOTIFICATION SYSTEM - Database of emergency response actions. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

STATE SITES: *KYDEP* STATE LEADS LIST - database of state level cercla/superfund sites. The data includes river basin affected, contaminant and the program overseeing the site.

SWL: KY DEP PERMITTED OPERATING LANDFILLS - database of the permitted contained landfills and the permitted construction/demolition debris landfills.

REG UST/AST: KY DEP STATEWIDE UST LISTING - database of all registered underground storage tanks. The data includes installation date, removed date, capacity and construction information.

LEAKING UST: KY DEP SB 193 (SENATE BILL 193) - database of facilities eligible for reimbursement from the Petroleum Storage Tanks Environmental Assurance Fund (OPSTEAF)

FEDERAL LAND USE: USGS/EPA FEDERAL LANDS OF THE UNITED STATES - Database of lands owned or administered by the Federal Government, including the Bureau of Land Management, the Bureau of Reclamation, the U.S. Department of Agriculture Forest Service, the Department of Defense, the U.S. Fish and Wildlife Service, the National Park Service, the Tennessee Valley Authority, and other agencies. Only areas of 640 acres or more are included. Descriptive information includes the name and type of the Federal land and the administering agency. **INDIAN LANDS OF THE UNITED STATES** - Areas administered by the Bureau of Indian Affairs shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation. **ENDANGERED SPECIES PROTECTION PROGRAM DATABASE** - List of the Endangered Species by county and the species status.

OTHER: EPA SECTION SEVEN TRACKING SYSTEM (SSTS) - database of registration and production data for facilities which manufacture pesticides. **AEROMETRIC INFORMATION RETRIEVAL SYSTEM (AIRS)** - database of detailed information pertaining to sites which submit air emissions reports. Developed under the Clean Air Act, this database also maintains data on compliance status and enforcement actions.

RADON: NTIS NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

Environmental FirstSearch Database Sources

NPL: *EPA* Environmental Protection Agency

Updated quarterly

CERCLIS: *EPA* Environmental Protection Agency

Updated quarterly

NFRAP: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA TSD: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA COR: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA GEN: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA NLR: *EPA* Environmental Protection Agency

Updated quarterly

ERNS: *EPA/NRC* Environmental Protection Agency

Updated semi-annually

STATE SITES: *KYDEP* Kentucky Department for Environmental Protection, Division of Waste Management Superfund Branch.

Updated

SWL: *KYDEP* Kentucky Department for Environmental Protection, Division of Waste Management Solid Waste Program

Updated annually

REG UST/AST: *KYDEP* Kentucky Department for Environmental Protection

Updated quarterly

LEAKING UST: *KYDEP* Kentucky Department for Environmental Protection

Updated quarterly

FEDERAL LAND USE: *USGS/EPA* U.S. Geological Survey

Updated annually

OTHER: *EPA* Environmental Protection Agency

Updated quarterly

RADON: *NTIS* Environmental Protection Agency, National Technical Information Services

Updated periodically

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

TARGET SITE: BALDROCK KY

JOB: 310075006
PHASRE I ESA BALDROCK CONSERVATION

Street Name	Dist/Dir	Street Name	Dist/Dir
State Highway 1193	0.04 NE		
W Laurel Rd	0.16 NE		
WEST Laurel Rd	0.16 NE		



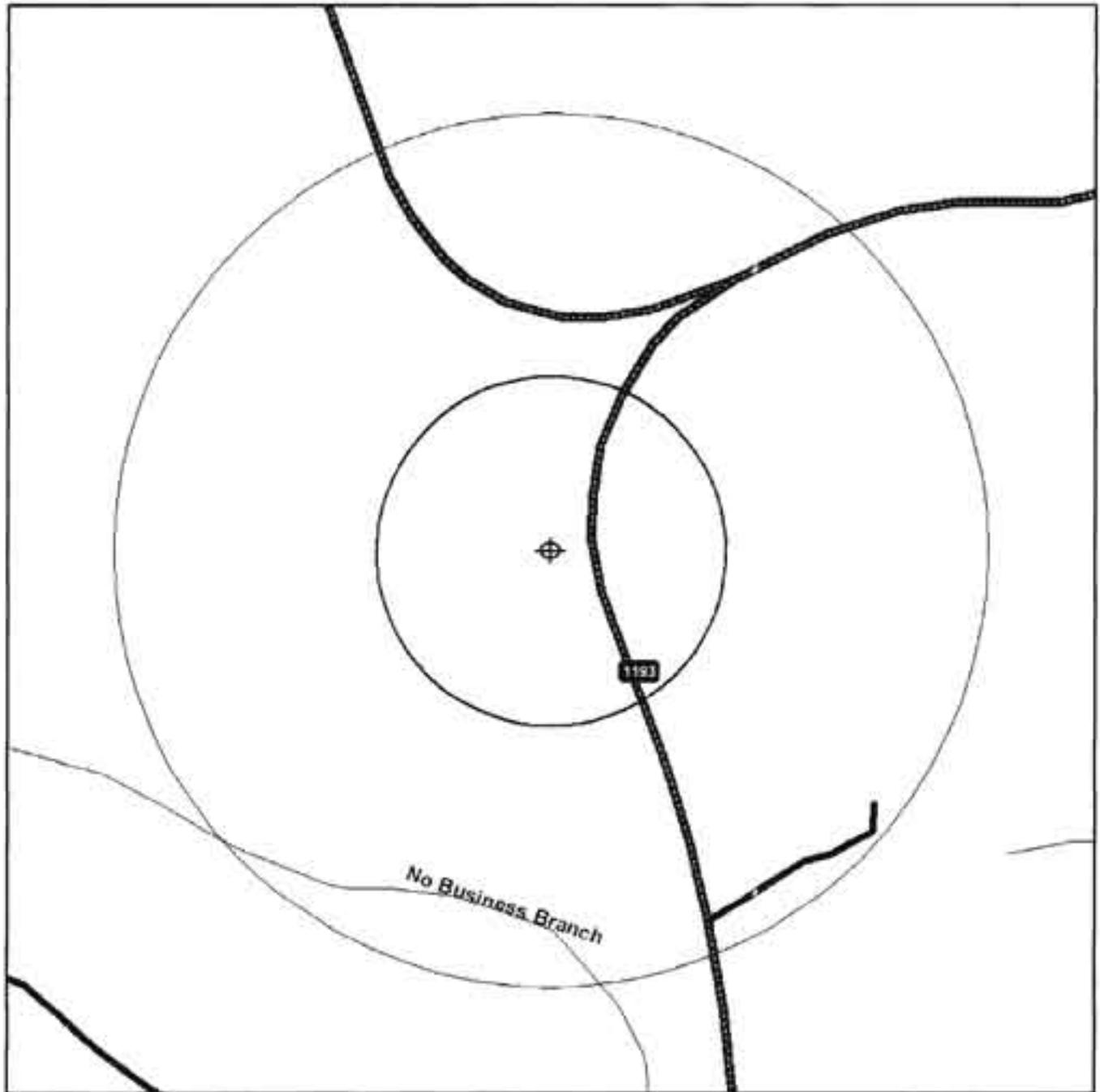
Environmental FirstSearch

.25 Mile Radius

Non-ASTM Map: No Sites Found



, BALDROCK KY



Source: 2001 U.S. Census TIGER Files

Target Site (Latitude: 36.9956 Longitude: -84.2862)

Identified Site: Multiple Sites, Receptor

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand

National Historic Sites and Landmark Sites

Railroads

Black Rings Represent 1/4 Mile Radius. Red Ring Represents 300 ft. Radius





Environmental FirstSearch

.25 Mile Radius

ASTM Map: RCRA GEN. ERNS. UST



, BALDROCK KY



Source: 2001 U.S. Census TIGER Files

Target Site (Latitude: 36.9956 Longitude: -84.2862)

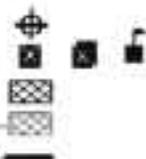
Identified Site, Multiple Sites, Receptor

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Tributary

Railroads

Black Rings Represent 1/4 Mile Radius, Red Ring Represents 500 ft Radius





Environmental FirstSearch
5 Mile Radius
ASTM Map: CERCLIS, RCRATSD, LUST, SWL



, BALDROCK KY



Source: 2001 U.S. Census TIGER Files

Target Site (Latitude: 36.9956 Longitude: -84.2852)

Identified Site, Multiple Sites, Receptor

NPL, DEI, NPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Tributary

Railroads

Black Rings Represent 1/4 Mile Radius, Red Ring Represents 500 ft. Radius



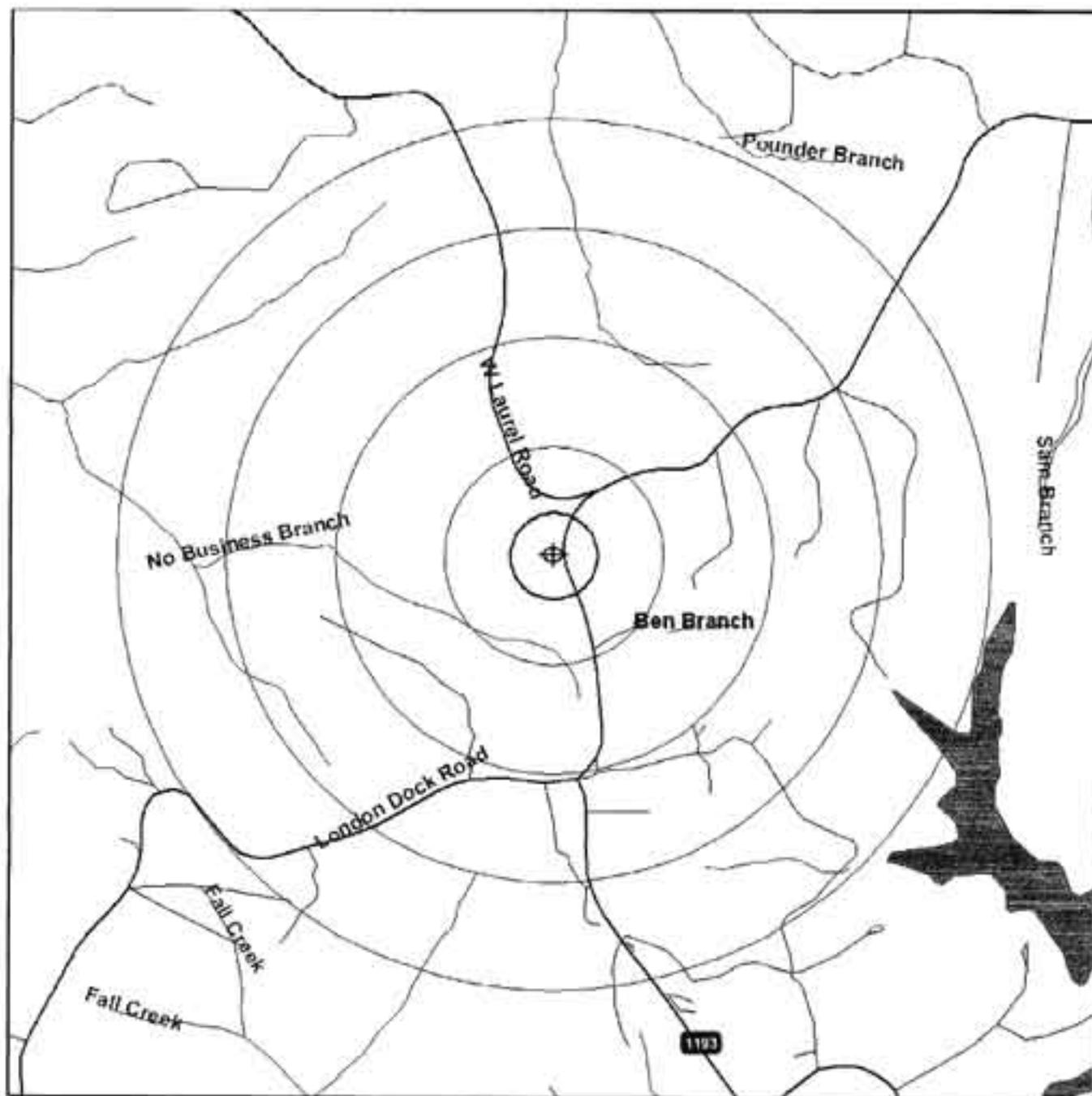


Environmental FirstSearch

1 Mile Radius
ASTM Map: NPL, RCRACOR, STATE Sites



, BALDROCK KY



Source: 2001 U.S. Census TIGER Files

Target Site (Latitude: 36.9956 Longitude: -84.2862)

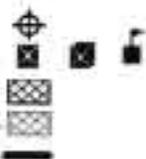
Identified Site, Multiple Sites, Receptor

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Tributary

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 Ft. Radius



APPENDIX F
ASBESTOS SURVEY AND REMOVAL DOCUMENTATION



Final Report
on the
Asbestos Survey
for the
United States Forest Service
on the
Daniel Boone National Forest
Ranger Districts

Analytical Management, Inc.
2285 Executive Dr., Ste. 200
Lexington, Kentucky 40505

LONDON

BALDROCK MESS HALL

REAL PROP. NO.: 14-551

District

Paulus Kanger



Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11270, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky. 606/233-7774
Louisville, Ky. 502/429-5777
Madisonville, Ky. 502/821-7375
Paducah, Ky. 502/444-6547
Pikeville, Ky. 606/432-3104

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9006812
Sample ID: 551-01
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/20/90

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
9 x 9 Rose FT

Laboratory Description:
Beige tile with brown glue and mastic mixture

Asbestos Minerals:

Nonasbestos Materials:

Chrysotile	5%
Cellulose	2%
Binder	58%
Carbonates	30%
Mastic/Glue	5%

Remarks:
Mastic/glue itself contains 5-10% Chrysotile
Tile contains 4% Chrysotile

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

Daniel H. McFar

Analytical Management, Inc.

a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky.

606/233-7774

Louisville, Ky.

502/429-5777

Madisonville, Ky.

502/821-7375

Paducah, Ky.

502/444-6547

Pikeville, Ky.

606/432-3104

ANALYSIS REPORT

US1112

U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

Lab ID: 9006813
Sample ID: 551-02
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
9 x 9 Rose FT

Laboratory Description:
Beige tile

Asbestos Minerals:

Chrysotile

4%

Nonasbestos Materials:

Cellulose
Binder
Carbonates
Mastic

3%
52%
35%

Trace < 1%

Remarks:

Not enough mastic present to determine asbestos content if any.

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

Daniel H. McRae

Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1001-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky. 606/233-7774
Louisville, Ky. 502/429-5777
Madisonville, Ky. 502/821-7375
Paducah, Ky. 502/444-6547
Pikeville, Ky. 606/432-3104

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9006814
Sample ID: 551-03
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

4

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
9 x 9 Rose FT

Laboratory Description:
Beige tile with glue/mastic mixture

Asbestos Minerals:

Chrysotile

4%

Nonasbestos Materials:

Cellulose

2%

Binder

56%

Carbonates

35%

Glue/Mastic

3%

Remarks:

No asbestos detected in glue/mastic mixture.

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

Daniel H. McRae

Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky.
606/233-7774
Louisville, Ky.
502/429-5777
Madisonville, Ky.
502/821-7375

Paducah, Ky.
502/444-6547
Pikeville, Ky.
606/432-3104

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9006815
Sample ID: 551-04
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

4

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
12 x 12 White FT

Laboratory Description:
Off-white tile

Nonasbestos Materials:

Cellulose	2%
Binder	61%
Carbonates	35%
Glue	2%

Remarks:
No mastic present.

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk-sample analysis Lab-ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

David H. McRae

Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky. 606/233-7774
Louisville, Ky. 502/429-5777
Madisonville, Ky. 502/821-7375
Paducah, Ky. 502/444-6547
Pikeville, Ky. 606/432-3104

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9006816
Sample ID: 551-05
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

4

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
12 x 12 White FT

Laboratory Description:
Off-white tile

Nonasbestos Materials:

Cellulose	2%
Binder	59%
Quartz	2%
Carbonates	35%
Glue	2%

Remarks:
No mastic present.

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 800/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

David H. McRay



Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky 606/233-7774	Paducah, Ky. 502/444-6547
Louisville, Ky. 502/429-5777	Pikeville, Ky. 606/432-3104
Madisonville, Ky. 502/821-7375	

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9008817
Sample ID: 551-06
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
12 x 12 White tile

Laboratory Description:
Off-white tile

Asbestos Minerals:

Chrysotile

1%

Nonasbestos Materials:

Cellulose
Binder
Quartz
Carbonates
Glue

2%
53%
2%
40%
2%

Remarks:
No mastic present.

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by Daniel H. McRae

Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky.
606/233-7774
Louisville, Ky.
502/429-5777
Madisonville, Ky.
502/821-7375

Paducah, Ky.
502/444-6547
Pikeville, Ky.
606/432-3104

US1112

ANALYSIS REPORT

U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

Lab ID: 9006818
Sample ID: 551-07
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

BULK SAMPLE ANALYSIS

Project Name:

London Ranger District - London, KY

Survey Location:

Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:

2 x 4 drop ceiling tile (DCT)

Laboratory Description:

Beige layered fibers

Nonasbestos Materials:

Cellulose
Binder

97%
3%

Remarks:

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

Daniel H. McRae

Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky. 606/233-7774
Louisville, Ky. 502/429-5777
Madisonville, Ky. 502/821-7375
Paducah, Ky. 502/444-6547
Pikeville, Ky. 606/432-3104

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9006819
Sample ID: 551-08
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

4

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
2 x 4 DCT

Laboratory Description:
Beige layered fibers

Nonasbestos Materials:

Cellulose
Binder
Paint

92%
3%
5%

Remarks:

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by: Daniel H. McRae

Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky. 606/233-7774
Louisville, Ky. 502/429-5777
Madisonville, Ky. 502/821-7375
Paducah, Ky. 502/444-6647
Pikeville, Ky. 606/432-3104

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9006820
Sample ID: 551-09
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
2 x 4 DCT

Laboratory Description:
Beige layered fibers

Nonasbestos Materials:

Cellulose	92%
Binder	3%
Paint	5%

Remarks:

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

Daniel H. McFae

Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky. 606/233-7774
Louisville, Ky. 502/429-5777
Madisonville, Ky. 502/821-7375
Paducah, Ky. 502/444-6547
Pikeville, Ky. 606/432-3104

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9006821
Sample ID: 551-10
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

4

Project Name: **BULK SAMPLE ANALYSIS**
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
Dry wall

Laboratory Description:
Beige felt along with beige powdery material

Nonasbestos Materials:

Cellulose	25%
Binder	65%
Quartz	10%

Remarks:

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

Daniel H. McRae



Analytical Management, Inc.
 a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
 P. O. Box 11270, Lexington, Kentucky 40574
 Telephone 606/231-6511

Lexington, Ky. 606/233-7774	Paducah, Ky. 502/444-6547
Louisville, Ky. 502/429-5777	Pikeville, Ky. 606/432-3104
Madisonville, Ky. 502/821-7375	

US1112
 U. S. Forest Service
 Attn: Joe Meadows
 100 Vaught Road
 Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9006822
 Sample ID: 551-11
 Sampled: 06/15/90
 Received: 06/18/90
 Analyzed: 06/21/90

4

BULK SAMPLE ANALYSIS

Project Name:
 London Ranger District - London, KY

Survey Location:
 Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
 Dry wall

Laboratory Description:
 Beige felt adhered to beige powdery material

Nonasbestos Materials:

Cellulose	25%
Binder	62%
Quartz	10%
Paint	3%

Remarks:

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by Daniel H. McFar



Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky. 606/233-7774	Paducah, Ky. 502/444-6547
Louisville, Ky. 502/429-5777	Pikeville, Ky. 606/432-3104
Madisonville, Ky. 502/821-7375	

ANALYSIS REPORT

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

Lab ID: 9006823
Sample ID: 551-12
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

4

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
Dry wall

Laboratory Description:
Beige felt, paint and powdery material

Nonasbestos Materials:

Cellulose	25%
Binder	50%
Quartz	5%
Carbonates	10%
Paint	10%

Remarks:

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

David H. McRae

Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky. 606/233-7774
Louisville, Ky. 502/429-5777
Madisonville, Ky. 502/821-7375
Paducah, Ky. 502/444-6547
Pikeville, Ky. 606/432-3104

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

ANALYSIS REPORT

Lab ID: 9006824
Sample ID: 551-13
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

4

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
Linoleum

Laboratory Description:
Brick design beige linoleum

Nonasbestos Materials:

Cellulose 15%
Binder 80%
Synthetic Fibers 5%

Remarks:

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

Submitted by

David H. McCoy

Analytical Management, Inc.
a subsidiary of McCoy & McCoy Inc.

1051-H Newtown Pike, Lexington, Kentucky 40511
P. O. Box 11279, Lexington, Kentucky 40574
Telephone 606/231-6511

Lexington, Ky. 606/233-7774
Louisville, Ky. 502/429-5777
Madisonville, Ky. 502/821-7375
Paducah, Ky. 502/444-6547
Pikeville, Ky. 606/432-3104

ANALYSIS REPORT

US1112
U. S. Forest Service
Attn: Joe Meadows
100 Vaught Road
Winchester, KY 40391

Lab ID: 9006825
Sample ID: 551-14
Sampled: 06/15/90
Received: 06/18/90
Analyzed: 06/21/90

BULK SAMPLE ANALYSIS

Project Name:
London Ranger District - London, KY

Survey Location:
Baldrock Mess Hall - Real Prop. No. 14-551

Field Description:
9 x 9 Floor tile

Laboratory Description:
Beige tile along with mesh of fibers

Asbestos Minerals:

Chrysotile

Nonasbestos Materials:

Cellulose
Binder
Carbonates

Remarks:
No mastic present.

This sample was analyzed for asbestos content by polarized light microscopy (PLM) coupled with dispersion staining. (Interim Method for the Determination of Asbestos in Bulk Insulation Samples - EPA 600/MA-82-020). Percentages were estimated using both PLM and a low magnification binocular microscope. Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for bulk sample analysis Lab ID # 1224. If you would like your samples returned to you, please notify us within 15 days from this report or our standard disposal procedures will be followed. There is a handling charge for returned samples.

*Actually
Trailer
Excessed 7/90
Approx. Inspector considered
it part of mess hall
BBB 25SEP94*

Submitted by

Daniel H. M. Day

BUILDING INSPECTION GUIDANCE CHECKLIST
FOR
LOCATING ASBESTOS CONTAINING MATERIALS (ACMs)

75 200 20 00 00
12/20/87

Reference: EPA 7309.11, Section 42.21

The purpose of this checklist is to document the presence and location of ACMs in Federal Service facilities to create a permanent record of their existence for service and maintenance personnel. This is not a complete list, but is intended as a starting point for the screening process.

ACMs, including both friable and non-friable asbestos, are those materials which contain more than 1 percent asbestos by weight.

ACMs in a friable state can be crumbled, pulverized, and reduced to powder in the hand.

The following data, when collected and evaluated, will serve in the determination of whether to verify suspected materials for further action.

Event: Daniel Boone District: London F.I.S. Site # 04-551
 Building Description: Dining Hall/Kitchen Inspector: Mulvan Date: 12/20/87

CM Product & Date of Use	Application	Friable (Y/N)	Avg. % Asbestos	Location of Suspected ACM
Flooring: vinyl-asbestos floor tiles (1950-now), Asbestos tile (1920-now), Some backings in vinyl sheet flooring (1965-1981), Flooring elts (1930-1960).	Asbestos is tightly bound and not easily released unless worn, sanded or damaged. Asbestos in backing of vinyl sheet flooring is easily released if torn, or during removal.	(N) (Y)	20-30	Vinyl Floor Tile Kitchen
Pipe Insulation: Preformed (1926-1975) & corrugated paper pipe cap (1910 on).	Hot water and steam pipes; also on furnace ducts. Preformed insulation usually white, chunky and covered by canvas wrap. Both are very crumbly.	(Y)	50-80	

ACM Product & Dates of Use	Application	Friable (Y/N)	Avg. % Asbestos	Location of Suspected ACM
<p>Stove Insulation: Cement sheets and millboard (1925 on).</p>	<p>Around and under wood stoves. Cement sheet material will not release asbestos fibers unless scraped or broken. Millboard usually on wall behind stove is friable and should not be subjected to impact or wear.</p>	(N)	60-85	
<p>Furnace Insulation: Asbestos paper or tape (1920 on). Asbestos furnace cement (1940-1985). Hot air furnace duct connectors (1930-1975).</p>	<p>Asbestos paper used as wrapping on ducts, furnaces and water heaters. Asbestos cement used as insulation on boilers and furnaces. Furnace duct connectors are accordion-pleated vibration dampers connecting plenum and ductwork.</p>	(Y)	50-100	
<p>Wall and Ceiling Insulation: Loose, no binder (1930 to 1950).</p>	<p>Insulation was installed by blowing into walls.</p>	(Y)	100	
<p>Drywall Patch: Various binders used in compound (1930-1978).</p>	<p>Asbestos used in practically all patch material before 1978. Not easily released unless sanded or damaged.</p>	(N)	5	
<p>Textured Paint: Found in products made before 1978.</p>	<p>Decorative ceiling/wall covering. Not likely to be available with asbestos today.</p>	(N)	5-10	

ACM Product & Dates of Use	Application	Friable (Y/N)	Avg. % Asbestos	Location of Suspected ACM
Roofing & Siding: A/C panels; Shingles with cement; (1940-now). Roofing felt with asphalt binder; (1910-now).	Wall siding and built-up roofs. Little health risk due to exterior use.	(N)	5-20	
Door Gaskets: Ovens, furnaces, wood and coal stoves; various binders. (1940-1984).	Products on moving parts or where subject to wear can release fibers under normal use.	(Y)	8-100	

ASBESTOS MANAGEMENT PLAN
DANIEL BOONE NATIONAL FOREST
October 1994
Prepared by: B. Bean

Recommended by: Benny D. Traylor 10-18-94
Asbestos Program Manager Date

Recommended by: Floyd Gibbs 10-19-94
Forest Engineer Date

Approved by: Bonnie W. Mason 10/20/94
for BRADLEY E. POWELL Date
Forest Supervisor

Building No.: 551 Real Prop. No.: 14-551 District: London

Building Name: Baldrock Metshall

Asbestos Containing Material: 9"x9" Floor Tile and Mastic Base
12"x12" Floor tile White

Location: Hall and Restroom Floors

Inspections:

Date Inspected: 1/12/28/88

Inspector: J.D. Minton

Sampled and Tested: (See Analysis Report in Asbestos Survey Report)

Removed under contract FY 1992 before Metshall Renovation and Addition Project.

Removed

Gone

Building No.: None Real Prop. No.: _____ District: London

Building Name: Baldrock Trailer

Asbestos Containing Material: 8"x8" Floor Tile, Beige

Location: Floors

Inspections:

Date Inspected: 1:1/8/90

Inspector: I.M. TRIPP

Sampled and Tested: (See Analysis Report in Asbestos Survey Report) Note:

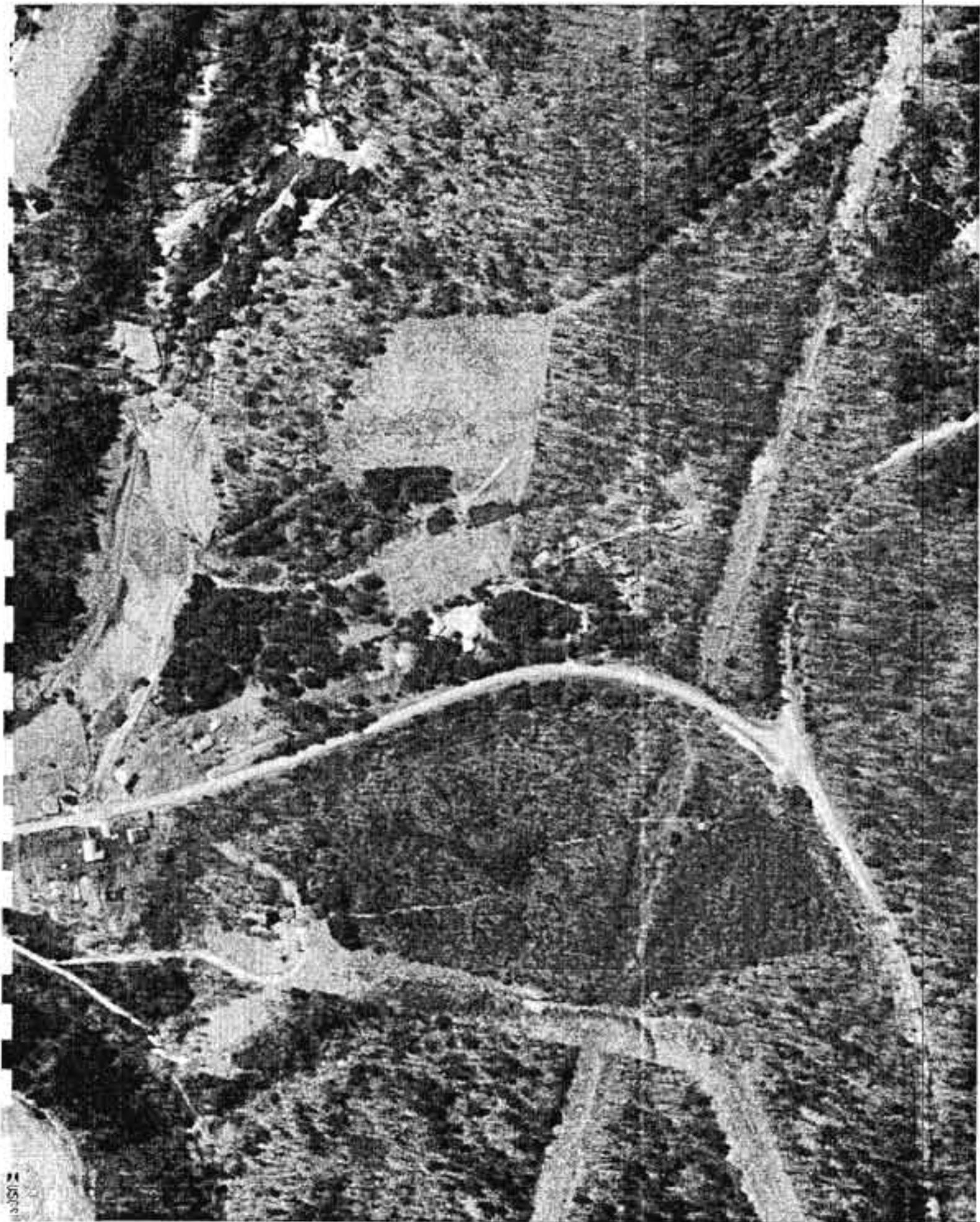
Referred to as last test of Marshall

Surplused as excess property in July of 1990.

*Removed
TRIPper*

Done

APPENDIX G
AERIAL PHOTOGRAPHS



0 0.07mi 0 0.14mi

BEN BRANCH RD

1183

182



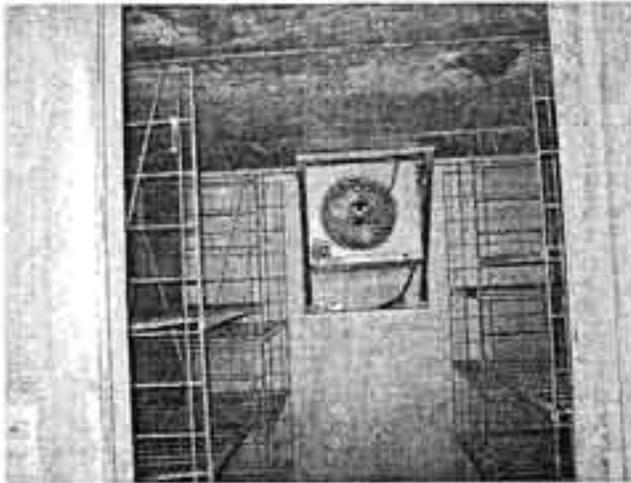
APPENDIX H
PHOTOGRAPHIC DOCUMENTATION



MESS HALL KITCHEN



MESS HALL



FREEZER



INTERIOR CLASSROOM



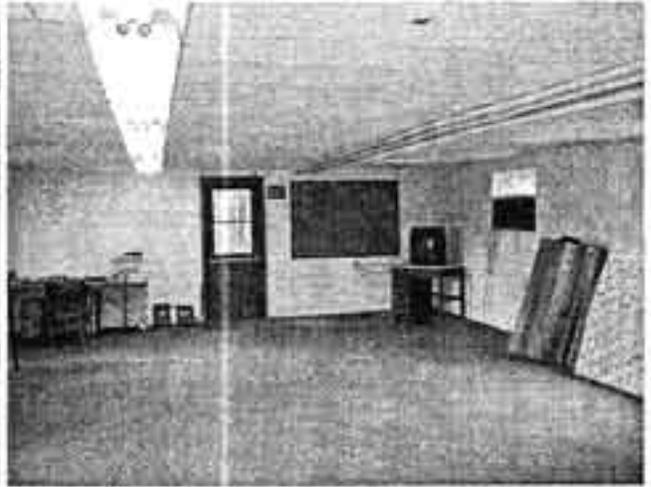
LOUNGE AREA OF MESS HALL



UTILITY BUILDING



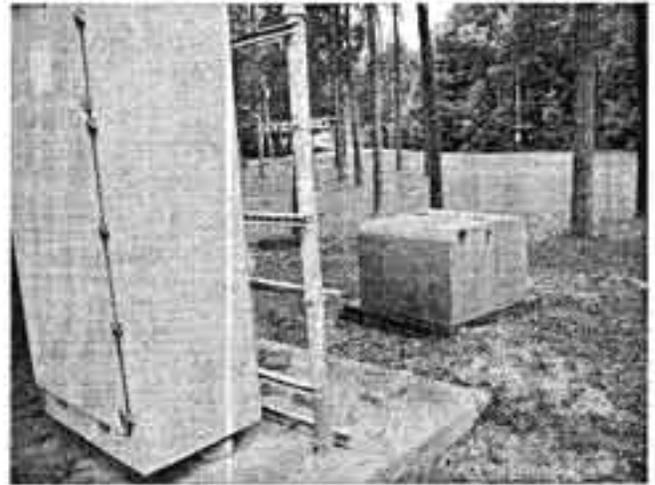
CLASSROOM



INTERIOR OF UTILITY BUILDING



RADIO TOWER



TRANSFORMER



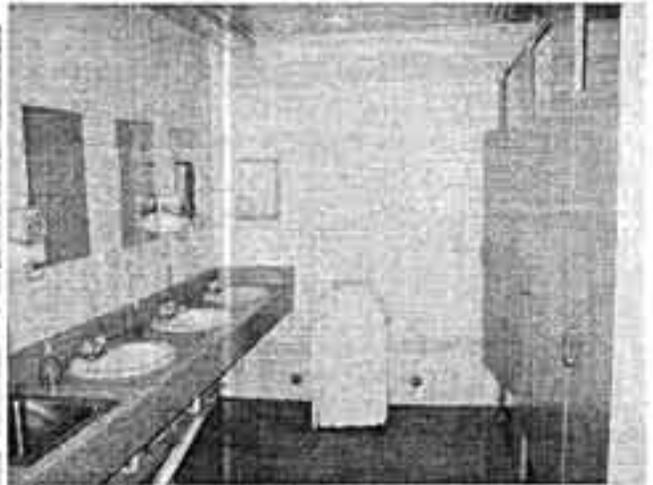
LP TANK



SHEET SHACK



INTERIOR CREW QUARTERS



INTERIOR SHOWER BUILDING



CREW QUARTERS



SHOOTING RANGE



SHOWER BUILDING



FENCE LINE BORDER OF CATTLE FARM