

Asbestos Minerals Sites – Initial Screening

Conducted by North Carolina Division of Waste Management,
in cooperation with US EPA Region IV and North Carolina
Division of Public Health, Health Hazards Control Unit

A. SITE INFORMATION Site Number: NC-35				
Historical Name	Rattlesnake Corundum Mine			
Latitude / Longitude	-35.126N -83.005W			
State, County, nearest City/Town	North Carolina, Jackson County, Cashiers			
Site Type	<input checked="" type="checkbox"/> Mine	<input type="checkbox"/> Prospect	<input type="checkbox"/> Occurrence	
Mineral reported	<input type="checkbox"/> chrysotile	<input type="checkbox"/> crocidolite	<input type="checkbox"/> tremolite	<input type="checkbox"/> Other (name)
	<input type="checkbox"/> amosite	<input checked="" type="checkbox"/> anthophyllite	<input type="checkbox"/> actinolite	_____

B. INFORMATION SOURCES (include publication date)	Conrad, and others (1963, p. 34-35). Pratt and Lewis(1905, p.43). USGS 7.5' Topo Map: Big Ridge 7.5' (7/1/88). Portions of USGS Orthophotoquad for Cashiers (3/25/95). Land map from Jackson County land GIS site (Dec. 2005) http://ims.metrostat.net/website/JCGIS/viewer.htm . Jackson Co. NCDOT road map (2005) http://www.ncdot.org/it/gis/DataDist/GISCountyMap_TIFs.html .
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C. SITE AND AREA RECONNAISSANCE	Date of Site Reconnaissance: Aerial Photo Inspection
1. Was the site located and a site visit completed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, site could not be located (Please attach a topographic map print showing the site)
2. Is the site property developed and in use of any kind?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, site is wooded / undeveloped
3. Land use on site (check all that apply)	<input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Recreational (golf course, park, etc.) <input type="checkbox"/> Construction or clearing in progress <input type="checkbox"/> Other (please describe below)
4. Are there large areas of bare soil visible on the property?	<input type="checkbox"/> Yes (Please describe below) <input checked="" type="checkbox"/> No
5. Are there residences, apartments, stores or businesses, or day care facilities on the site, or within 200 feet of it?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Please note which, and describe the item and its location (relative to the site) below.
6. Where is the nearest residence, place of business, or place frequented by local residents located, in relation to the site?	<input checked="" type="checkbox"/> N/A (addressed at 5 above) _____ (Place and distance/direction to site)

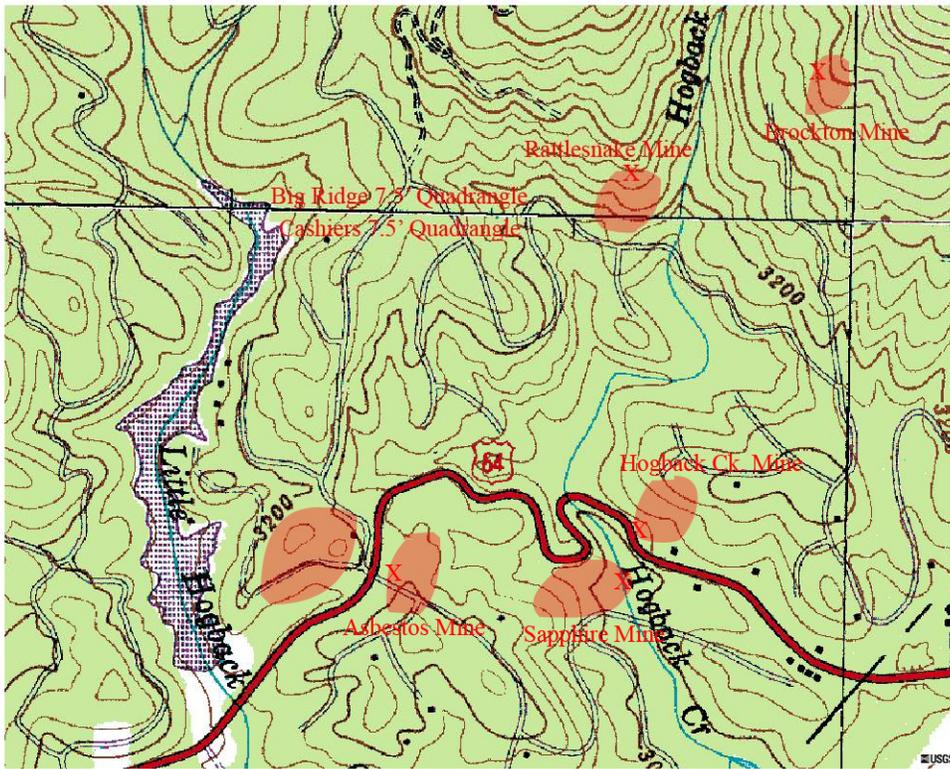
7. Are any physical barriers present (fences, gates) that prevent access?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Description
D. ADDITIONAL INFORMATION (Indicate by letter and number which topic the information supports)	
<p>C1. The site was not visited. Photos of the site were inspected to determine proximity of nearby residences or businesses.</p> <p>C3. The site is on the North edge of a very large development, Fairfield Sapphire Valley. There is at least one home in the immediate vicinity of the mine and the anthophyllite-bearing ultramafic body.</p> <p>C5. One residence may be within 200 feet of the mine. There are several vacant lots within the area of the mine. No residences were noted on these lots as of the latest aerial photography observed (1998).</p>	

Directions to the prospect:

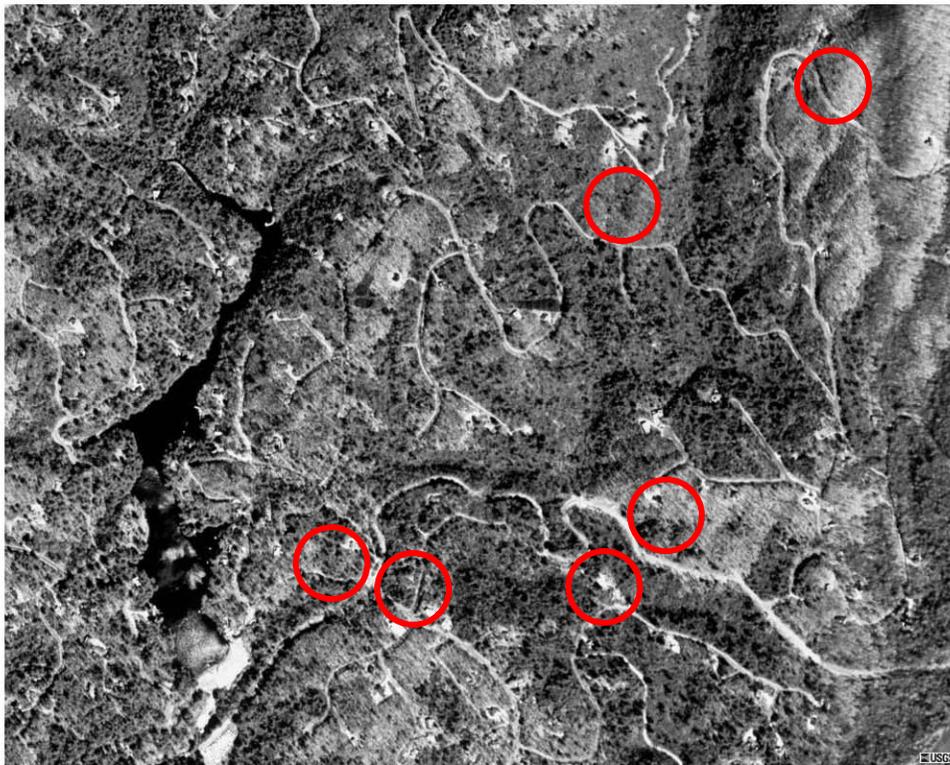
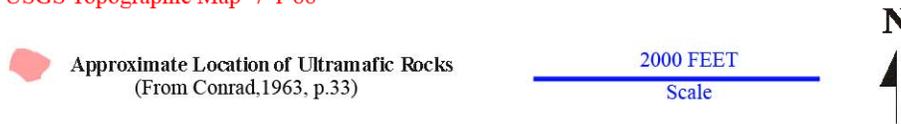
(From Conrad, 1963, p. 34)

The Rattlesnake prospect is located on the south slope of Hogback Mountain, about 0.5 mile northeast of the Asbestos mine. The deposit can be reached by turning north onto Tower Road and traveling 0.7 mile north of its intersection with U.S. Highway 64. At this point a foot trail is present on the east side of the road. The deposit can be reached by following this trail along the contour of the mountainside for about 2000 feet. (Tower Road is about 1.0 mile west of the Jackson-Transylvania county line.)

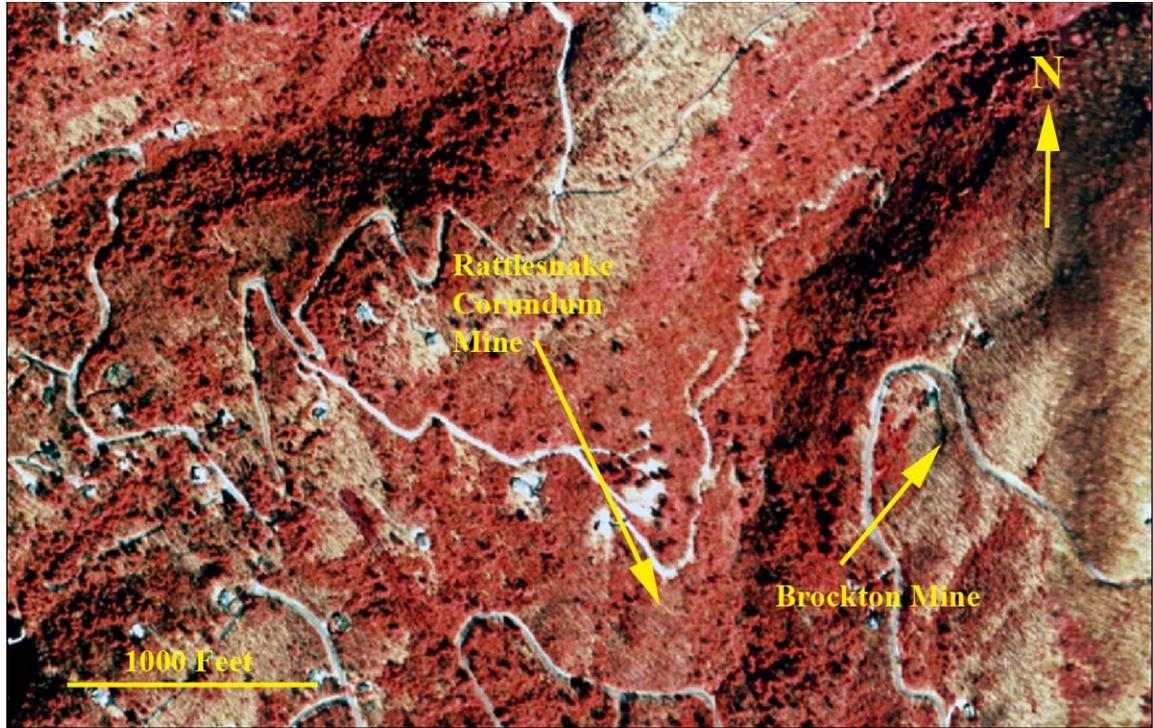
Asbestos Mines of the Sapphire Valley Area



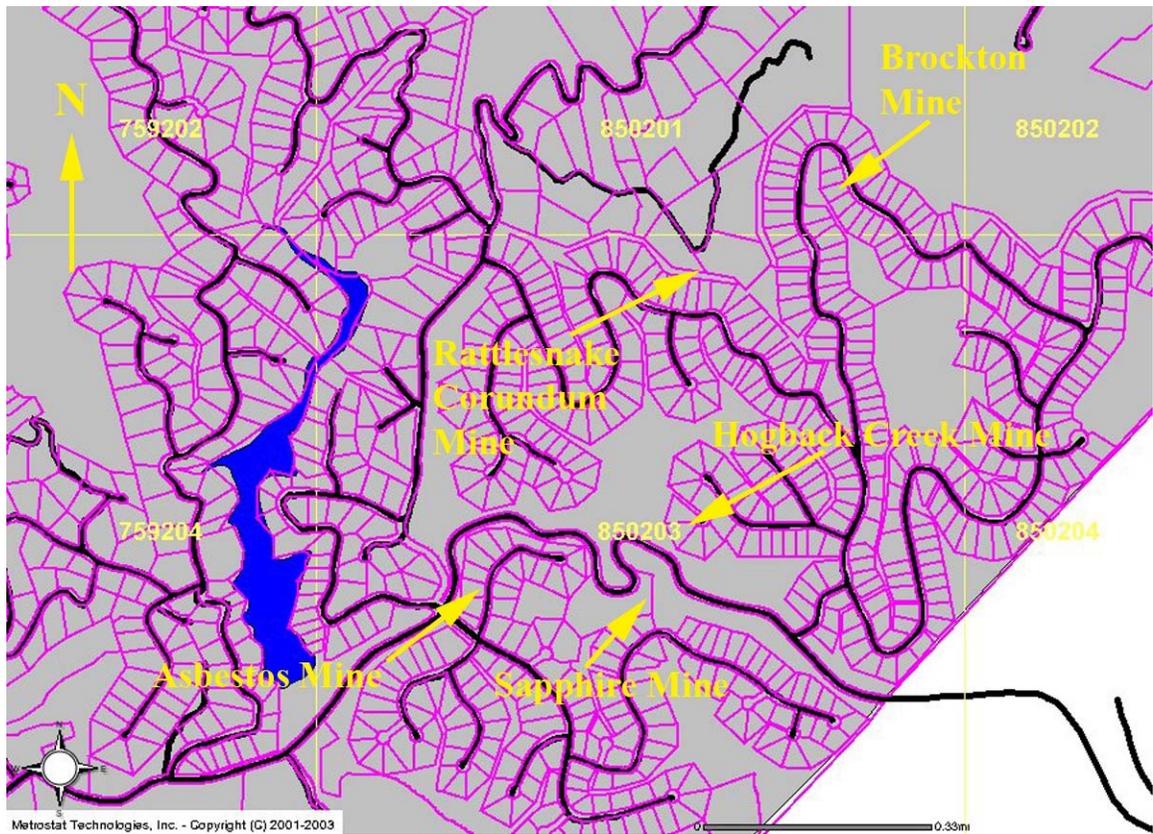
USGS Topographic Map 7-1-88



USGS Orthophoto 3-25-95



Color IR photo (1998) of the Rattlesnake corundum mine area.



Property map of the Rattlesnake corundum mine area.