

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-28				
Historical Name	Kilpatrick Mine			
Latitude / Longitude	35.188N -82.922W			
State, County, nearest City/Town	North Carolina, Transylvania, Lake Toxaway			
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. 29). USGS 7.5' Topo Map: Lake Toxaway Quad (7-1-87). USGS Orthophotoquad for Lake Toxaway Quad (3/25/95). USGS color IR photo (1998). Transylvania 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 (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 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 checked="" type="checkbox"/> Other (please describe below)		
4. Are there large areas of bare soil visible on the property?	<input checked="" type="checkbox"/> Yes (Please describe below) <input 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 type="checkbox"/> Yes <input checked="" 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?	_____ Yes <input checked="" type="checkbox"/> No	Description:
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D. ADDITIONAL INFORMATION

(Indicate by letter and number which topic the information supports)

C1. Site was not visited but was located on aerial photos.

C3-C5. Aerial photos indicate that the mine is near the edge of a cultivated field. Conrad and others (1963) indicate the mine produced a large tonnage of high-grade anthophyllite and a large tonnage remained when mining ceased in 1962. The mine workings have been backfilled and leveled. Shortly after reclamation activities Conrad reported asbestos fibers could be observed protruding from clay derived from weathering of the ultramafic body. It is unclear whether the ultramafic body extends into the field. Outcrops of ultramafic rocks were noted by Conrad 500 feet southeast of the mine area and might be part of the same body. No houses were noted on aerial photos in the immediate vicinity of the mine even though the 1987 Lake Toxaway topographic map shows a building several hundred feet south of the mine.

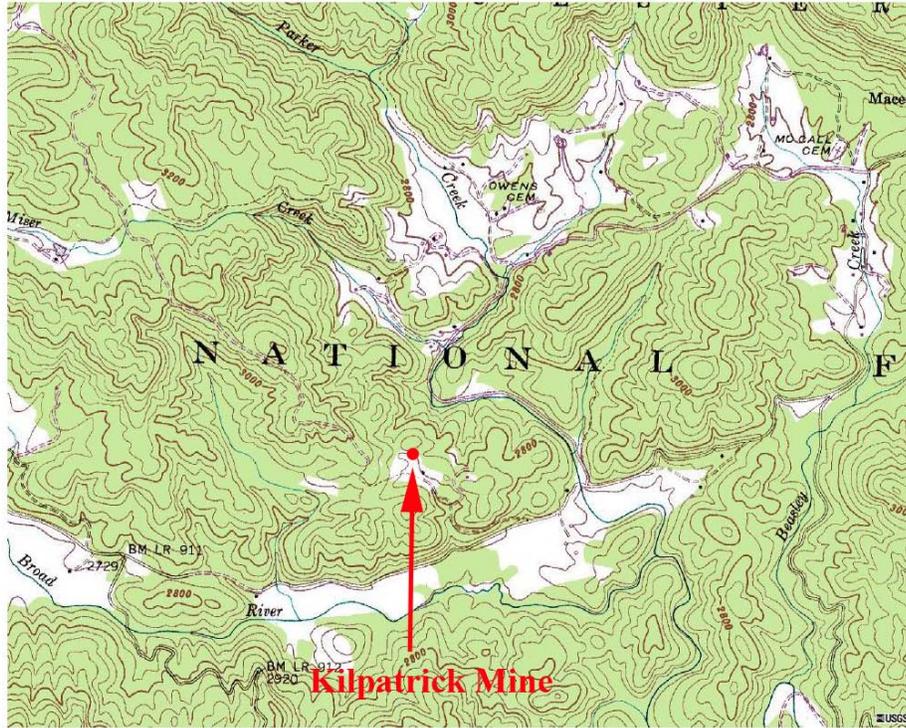
Directions to Mine:

(From Conrad, 1963, p. 29)

The Kilpatrick mine is located about 5.8 miles northwest of Rosman and 3 miles northeast of the post office at Lake Toxaway. It can be reached by traveling on State Highway 281 for 5.2 miles north of its intersection with U.S. 64 to SR 1309. Turn east onto SR 1309 and travel 1.2 miles to a farm road on the north side of SR 1309. The mine is located at the end of the road about 500 feet north of a farmhouse.

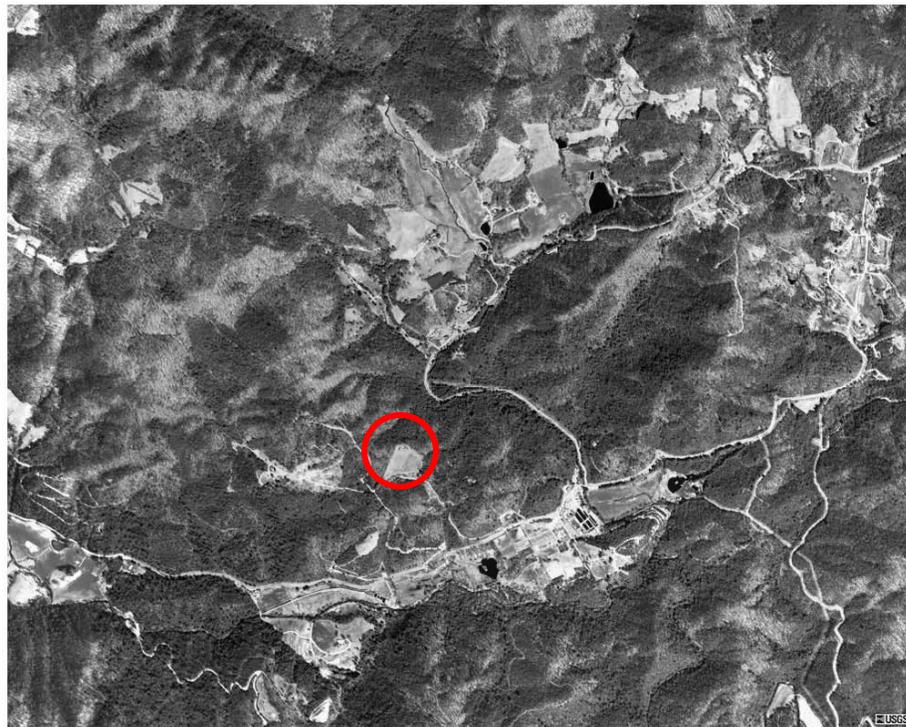
Kilpatrick Mine

Transylvania County

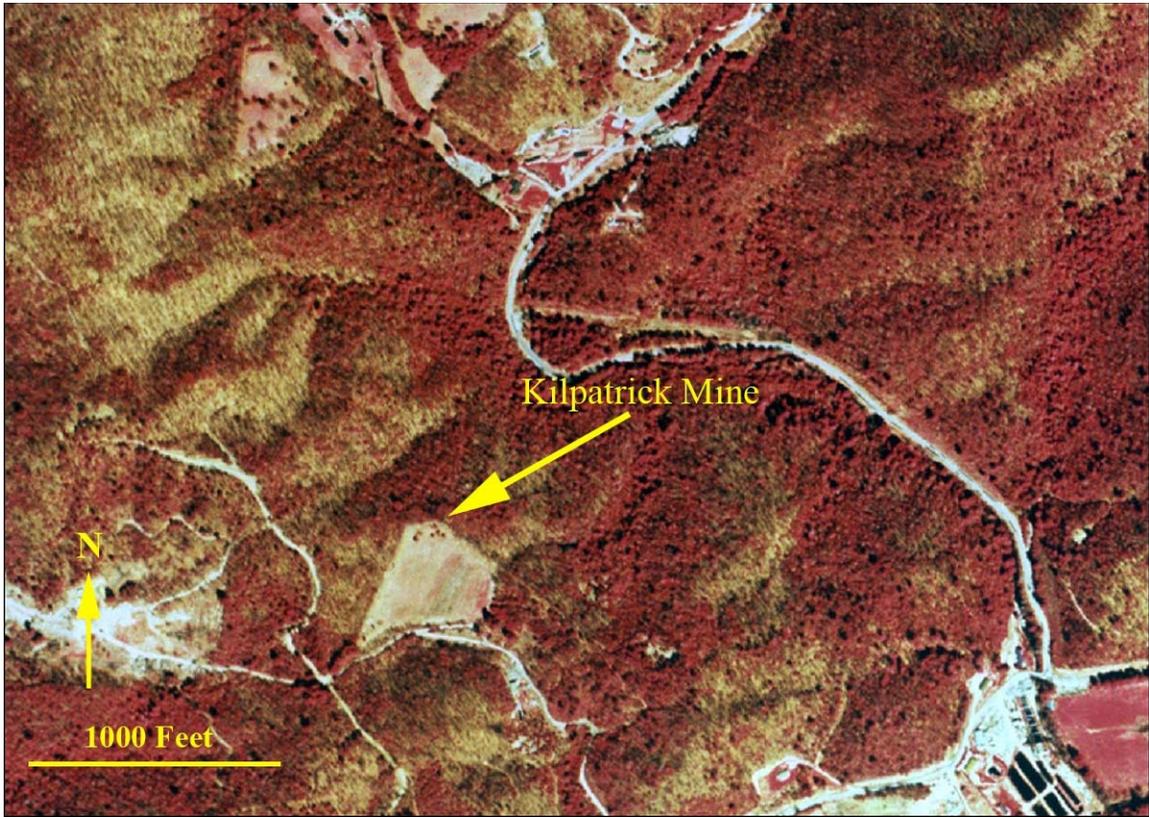


USGS Topographic Map: Lake Toxaway 7.5' Quadrangle 7-1-87

2000 FEET
Scale



USGS Orthophotoquad: Lake Toxaway 7.5' Quadrangle 3-25-95



Color IR orthophoto (1998) of the Kilpatrick mine area.