

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-47				
Historical Name	Corundum Hill Mine			
Latitude / Longitude	35.14823N -83.28988W			
State, County, nearest City/Town	North Carolina, Macon, Franklin			
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)	Pratt and Lewis (1905, p. 41, 86-91, plate VI). Hunter (1941, p. 104-106). Hunter and others (1942, p.15, plate 8). Murdock and Hunter (1946, p. 31, 34, plate 13). USGS 7.5' Topo Maps: Corbin Knob (7/1/87). USGS Orthophotoquad for Corbin Knob (4-3-95). 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 11/9/05
1. Was the site located and a site visit completed?	<input checked="" type="checkbox"/> Yes <input 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)

A. The mine was operated to recover corundum. Pratt and Lewis (1905, p.88) reported the presence of anthophyllite in both acicular and fibrous forms.

C1- C3. The hill where the mine was located is now a private residential development with a maze of unpaved roads. The old mine workings were not visited. The workings consisted of open pits and underground workings going down as much as 300 feet. Old photos in Pratt and Lewis (1905) indicate mine waste and debris was scattered over a large area around the mine. Ore was sent via flume down to the Cullasaja River where the mill was located. The mill site is now a campground.

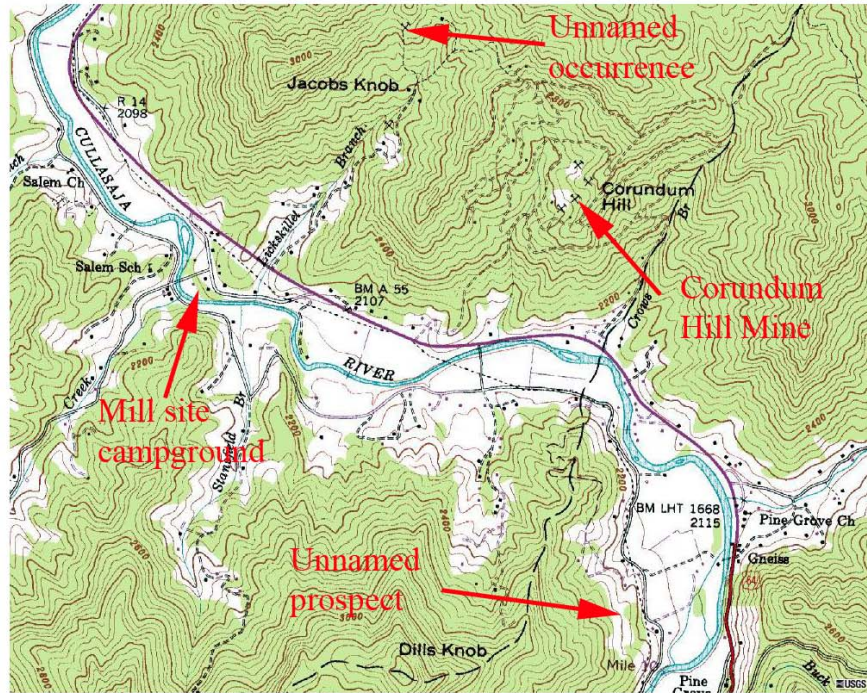
C5. The residential development on Corundum Hill contains in excess of 50 homes. It is unknown how many of these are within 200 feet of the old workings.

Directions to Mine:

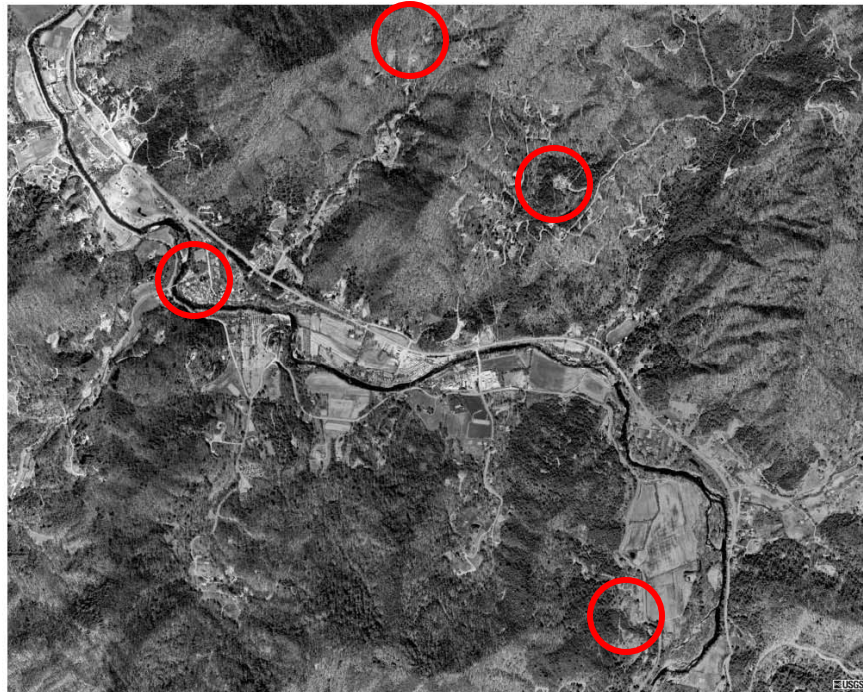
The Corundum Hill mine is about 5 miles southeast of Franklin on the north side of U. S. Highway 64. It is one mile west of the community of Gneiss and lies within a private residential development called Corundum Hill.

Corundum Hill Mine

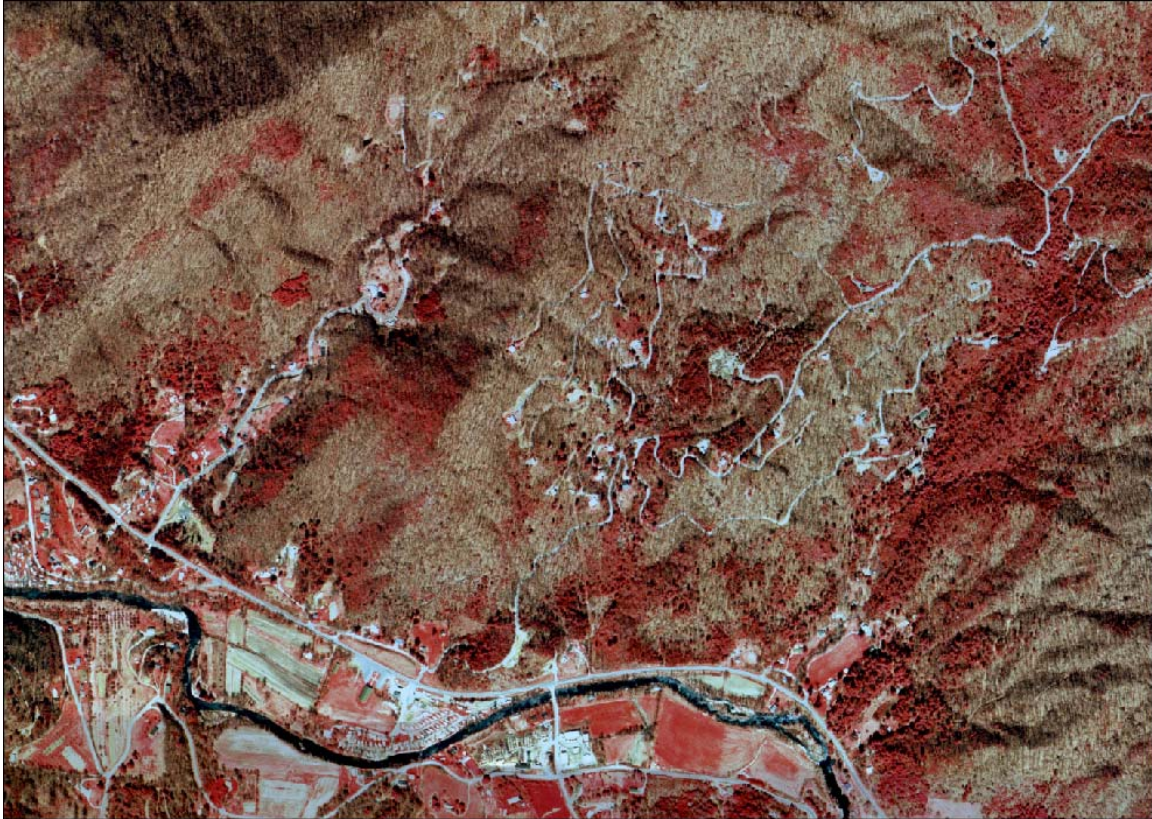
Macon County



USGS Topographic Map: Corbin Knob 7.5' Quadrangle 7-1-87



USGS Orthophotoquad: Corbin Knob 7.5' Quadrangle 4-3-95



Color IR orthophoto of the Corundum Hill area.



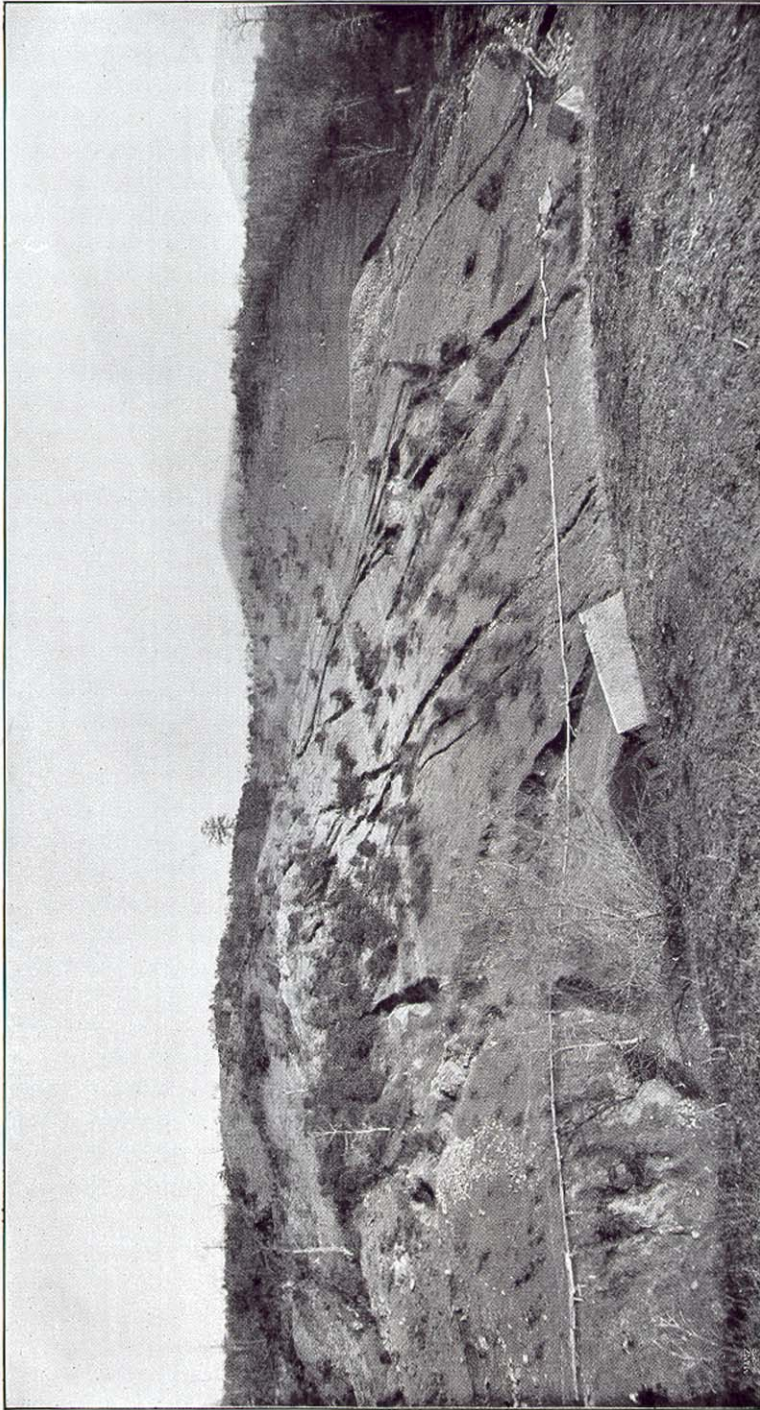
View of Corundum Hill area from the south.



The residential development on Corundum Hill contains over 50 homes.



The old Corundum Hill mill site is now a campground.



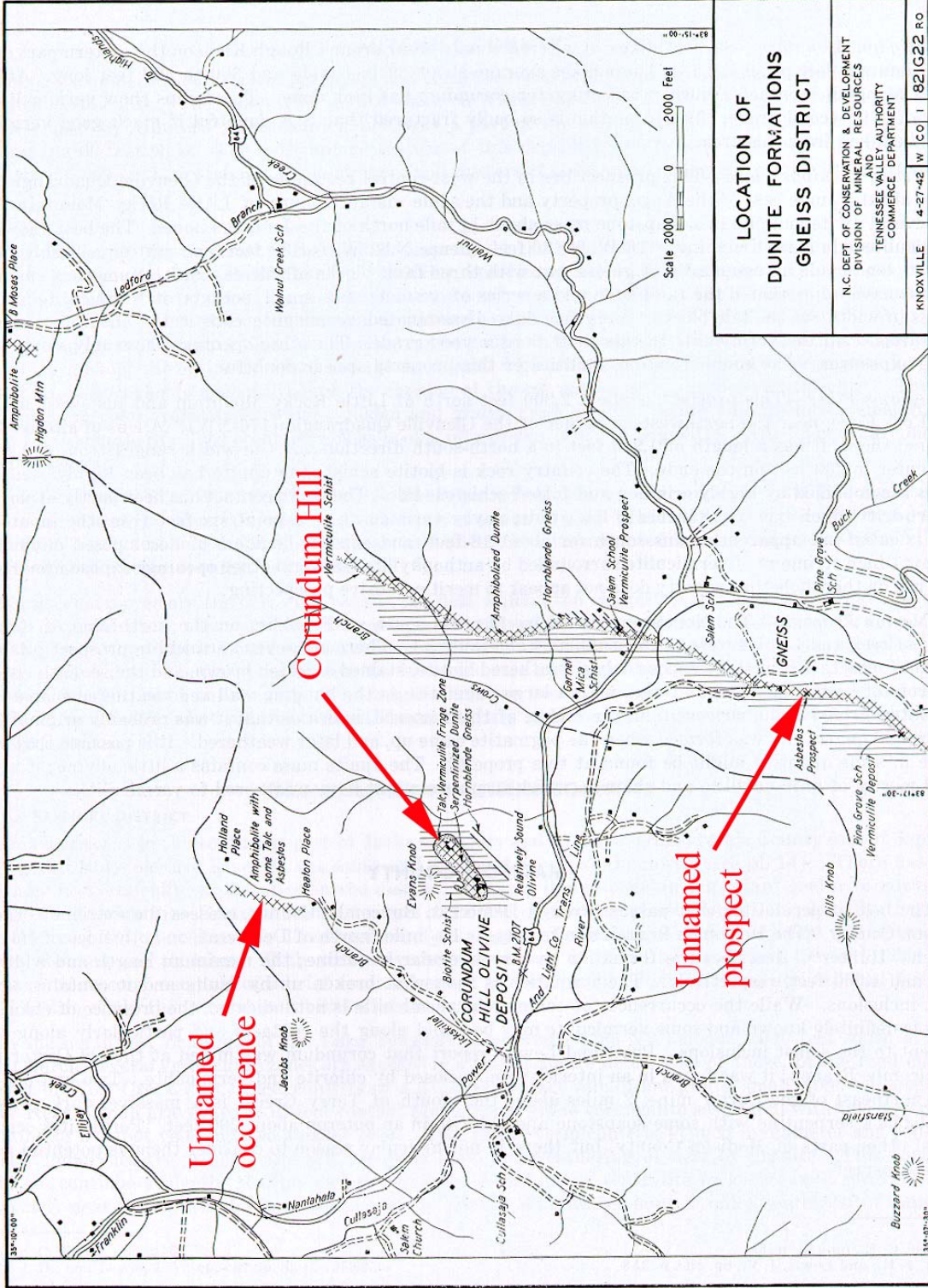
GENERAL VIEW OF THE PERIDOTITE FORMATION AT CORONDUM HILL, MACON COUNTY, N. C.

From Pratt and Lewis (1905)



ENTRANCE TO TUNNEL ON BIG VEIN, BETWEEN PERIDOTITE AND GNEISS, CORUNDUM HILL,
MACON COUNTY, N. C.

From Pratt and Lewis (1905)



From Murdock and Hunter (1946)