

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-17				
Historical Name	Frank Mine			
Latitude / Longitude	36.06846N -82.00525W			
State, County, nearest City/Town	North Carolina, Avery County, Minneapolis			
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)	Brobst (1962, p. A22). Hunter (1941, p. 43-47). Murdock and Hunter (1946, p. 17, pl.3). Conrad and others (1963, p.22). Bluhm (1976). USGS 7.5' Topo Map: Carvers Gap 7.5' Quad (7/1/60). USGS Orthophotoquad for Carvers Gap Quad (4-6-98). USGS color IR photo (1998). Avery 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	<u>11/2/05</u>
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 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Description
D. ADDITIONAL INFORMATION (Indicate by letter and number which topic the information supports)	
<p>A. The location coordinates given here represent a refinement of the location given by Van Gosen (2005).</p> <p>C1-C6. Reconnaissance was conducted from public roads in the area surrounding the Frank mine. The actual mine was not visited but it is visible from Highway 19E. The Senia olivine deposit outcrops on State Road 1126 and was sampled. No asbestos was noted in samples from the outcrop. The Frank mine is a permitted olivine mine with no mining activity at the present time. It has been operated intermittently over the years. No residences were noted in the immediate vicinity of the mine. Homes are present along Highway 19E to the north and west of the Frank mine. A recently graded area is present on the northern edge of the Frank olivine body just south of the North Toe River (see photo). The open pit mine is a fairly large area of bare soil and rock. The only road into the Frank Mine is gated at the bridge over the river on the west side of the mine.</p>	

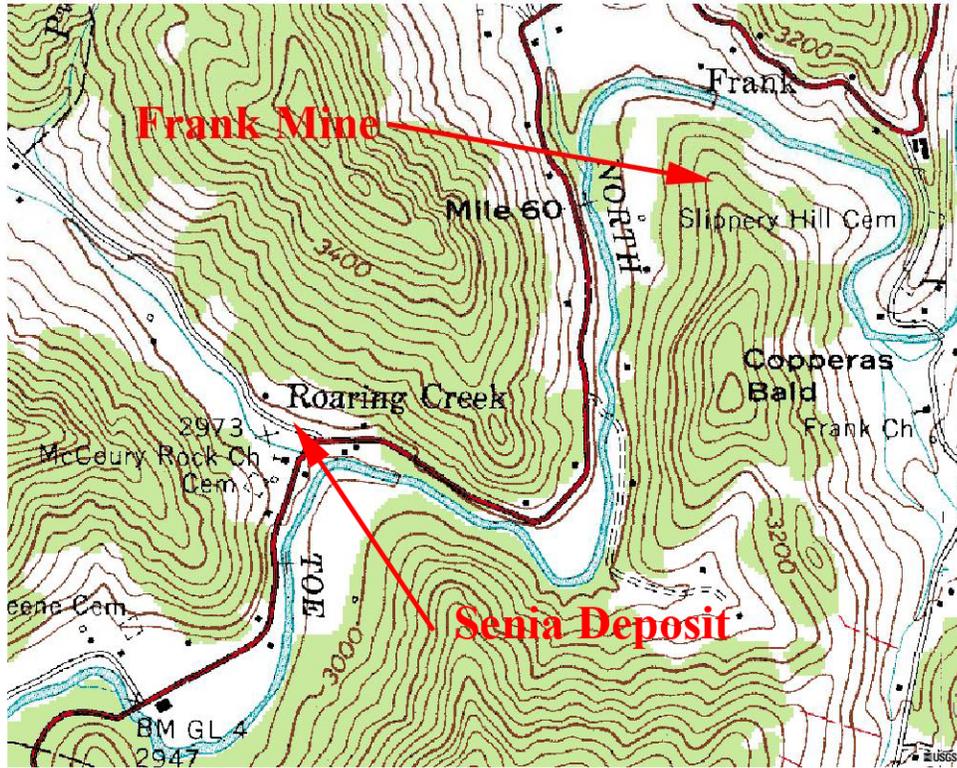
Directions to Mine:

(From Conrad, 1963, p. 22)

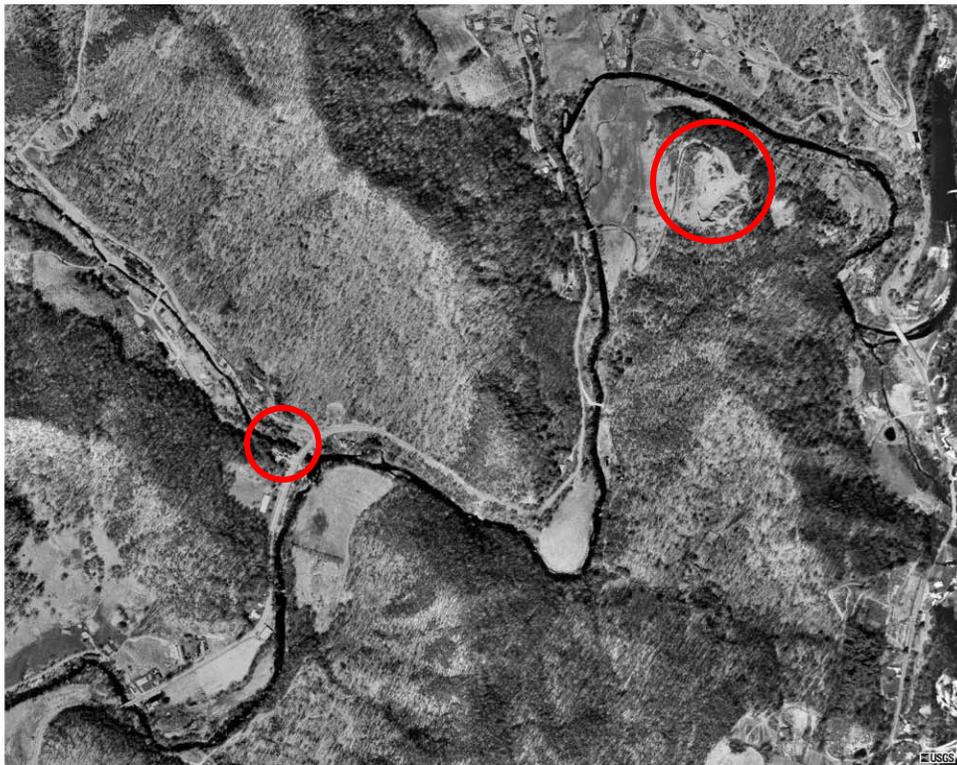
The Frank mine is located about 2.5 miles south of Minneapolis and 4.3 miles southwest of Newland. It is on the east side of the North Toe River just east of U.S. Highway 19E.

Frank Mine

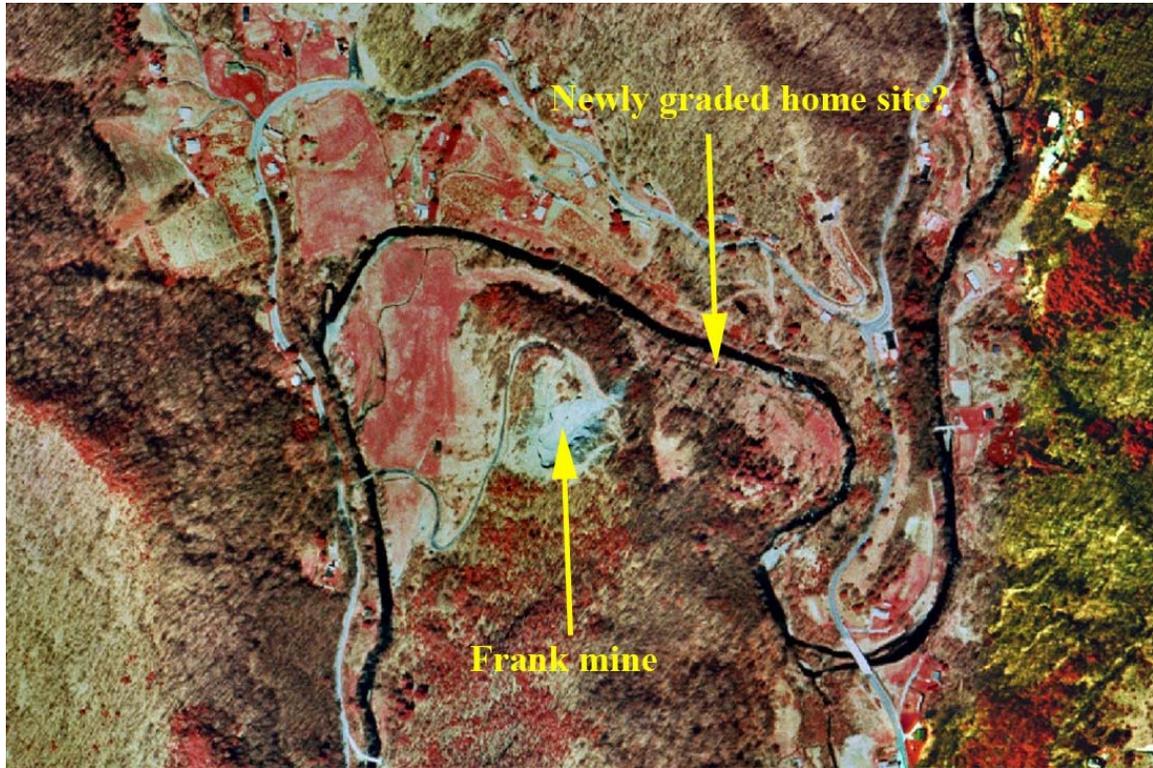
Avery County



USGS Topographic Map: Carvers Gap 7.5' Quadrangle 7-1-60



USGS Orthophotoquad: Carvers Gap 7.5' Quadrangle 4-6-98



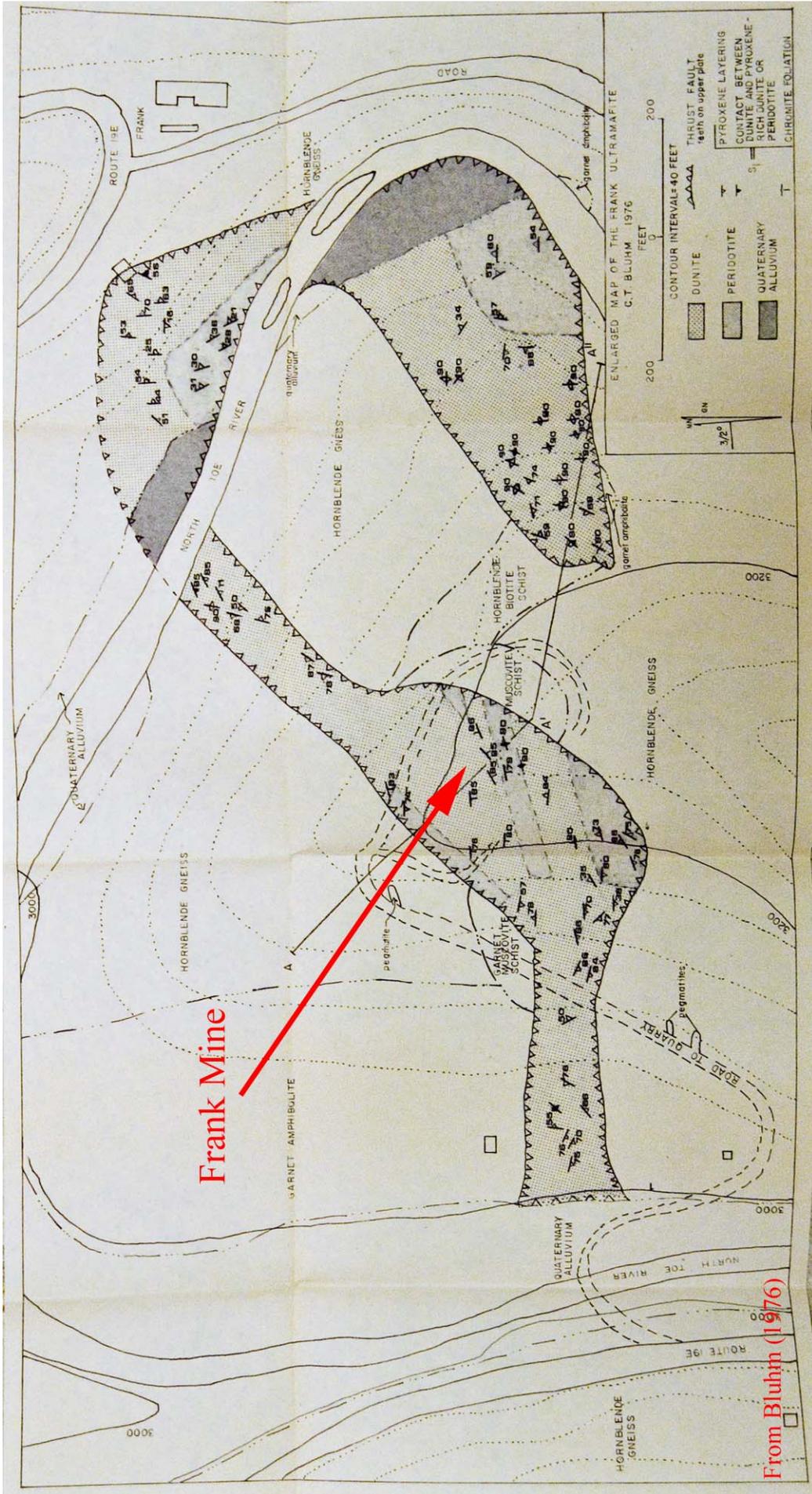
Color IR Orthophoto of the Frank mine area.



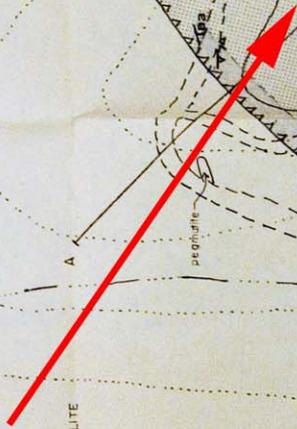
Newly graded area is on the northern edge of the Frank ultramafic body.



Frank mine area from the west.



Frank Mine



From Bluhm (1976)

