

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-32				
Historical Name	Newdale Mine			
Latitude / Longitude	35.9160N -82.2003W			
State, County, nearest City/Town	North Carolina, Yancey County, Newdale			
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, plate 1). Kulp and Brobst (1954). Hunter (1941, p. 53-57). USGS 7.5' Topo Map: Micaville 7.5' Quad (7/1/87). USGS Orthophotoquad for Micaville Quad (4-5-99). USGS color IR photo(1998). Yancey 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	11/1/05
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 checked="" 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 checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No Description Some areas are gated. Others are not.
D. ADDITIONAL INFORMATION (Indicate by letter and number which topic the information supports)	
<p>A. The name Newdale Mine has been applied to several different olivine quarries over the years in the area north of Newdale. The mine is currently listed as an active mine by the NC Division of Land Quality and is located near the banks of the South Toe River. Anthophyllite was identified in samples taken from a small cut on the west side of NC 80 about 2000 feet north of Highway 19E, immediately across the highway from an open pit where olivine has been mined. Initial PLM analysis was performed by Ronald D. McDaniel. Confirmation analysis by PLM was performed by Stephen H. Westbrook, Asbestos Analysis and Information Service, Inc., a NVLAP accredited laboratory.</p> <p>C1. Reconnaissance was conducted on public roads in the vicinity of the active Newdale olivine mine. The actual active mine was not visited. Only accessible public areas are discussed here.</p> <p>C3. Three residences are located within 200 feet of the abandoned inactive water-filled mine on Hwy. 80. Several businesses and the Newdale voluntary fire station are located on or near the ultramafic body on US 19 in Newdale. There are no references citing the presence of asbestos in this body and no samples were taken here.</p> <p>C5. See Item C3 above and the attached annotated infrared orthophoto below for details.</p>	

Directions to Mine:

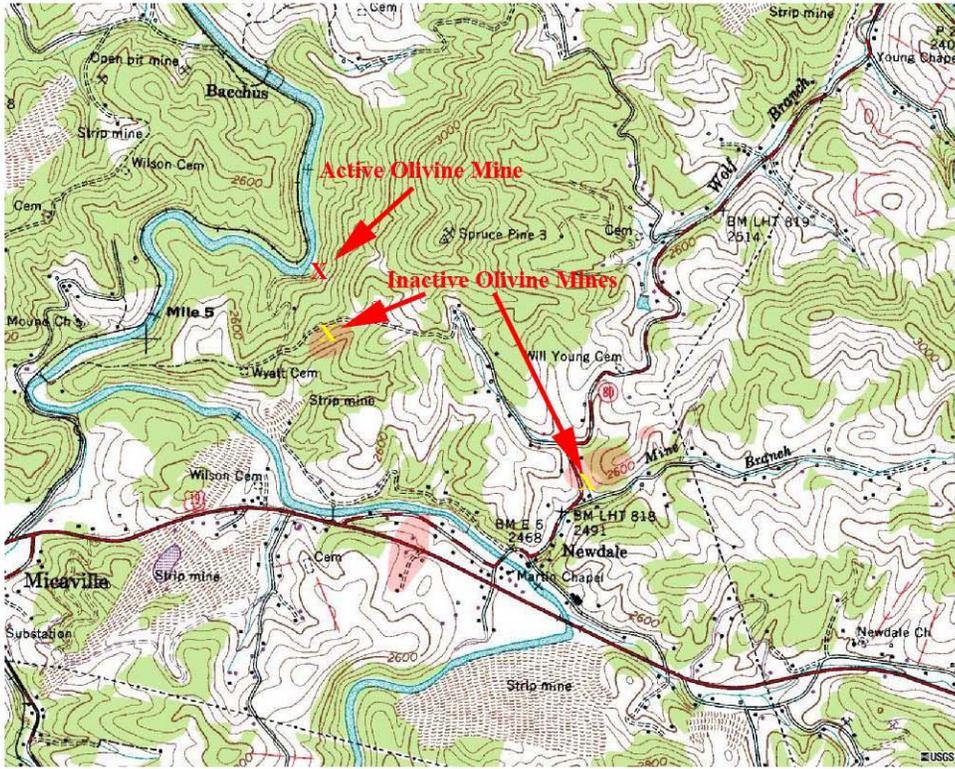
(From Conrad, 1963, p. 25)

The Newdale mine is located 0.5 mile north of the south Toe River and U.S. Highway 19E, 1.1 miles northeast of Micaville. It can be reached by traveling on State Highway 80 for 1 mile north of it's intersection with U.S. Highway 19E. At this point turn west onto SR 1304, and follow the road for about 1 mile to the mine. (This quarry was not visited in the present screening as the road becomes private before reaching the quarry and is not navigable by car.)

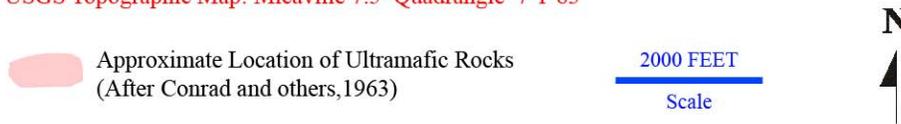
The quarry documented in this screening is on both sides of State Highway 80 about 0.5 mile north of Newdale and Highway 19E.

An active or recently active quarry is located near the eastern bank of the North Toe River (see map). This quarry was not visited.

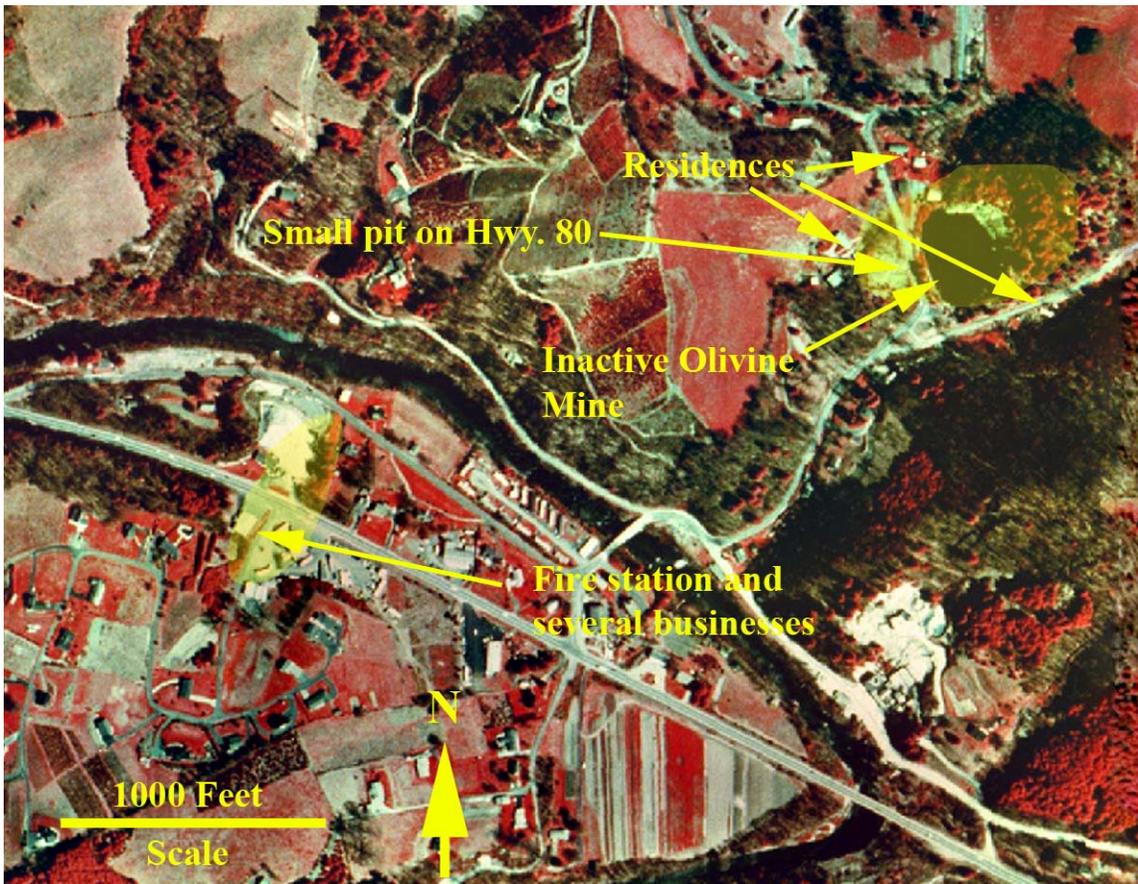
Newdale Mine Yancey County



USGS Topographic Map: Micaville 7.5' Quadrangle 7-1-83



USGS Orthophotoquad: Micaville 7.5' Quadrangle 4-5-99



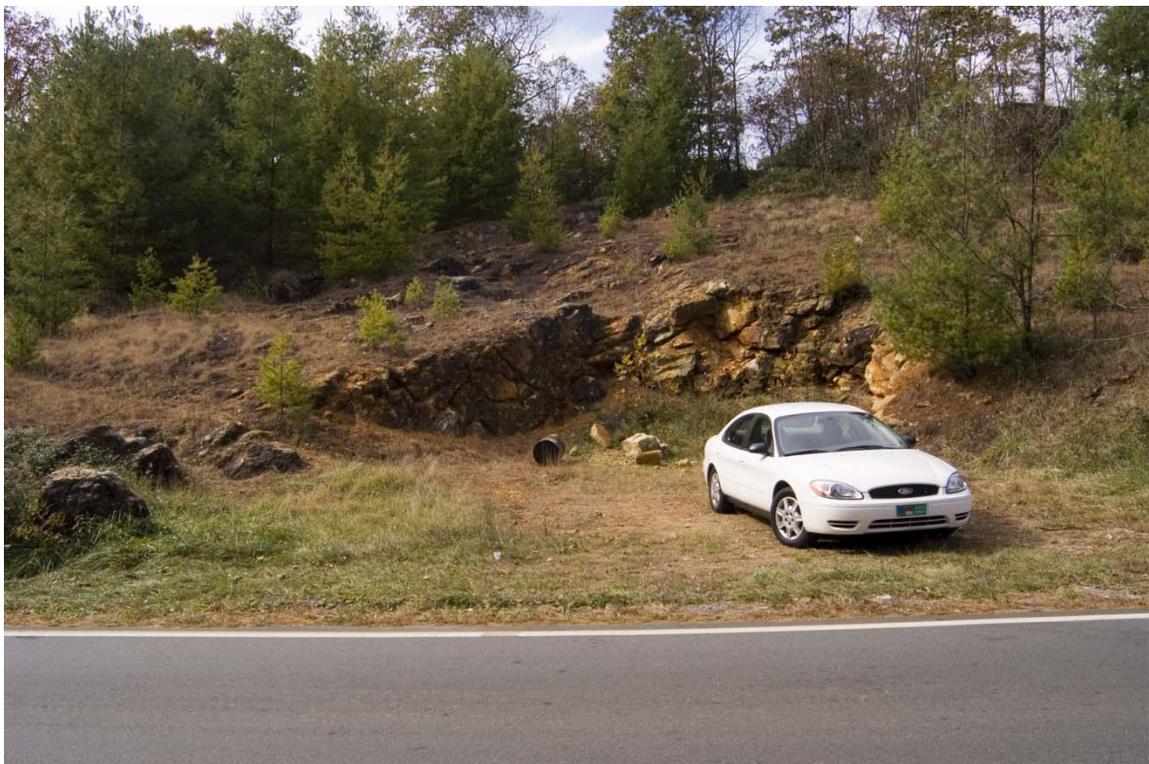
Color IR Orthophoto of the Newdale area.



Inactive olivine mine on east side of NC Hwy. 80 at intersection with Mine Branch Road.



A residence and several utility buildings are on the north rim of the Hwy. 80 inactive mine.



Cut on the west side of Hwy. 80 immediately across the road from the inactive olivine mine. Boulders on the left side (south) of picture contain anthophyllite (confirmed by PLM). A Residence is barely visible through the trees at top right of the picture.



Macro view of anthophyllite bearing boulders from the cut on the west side of Hwy. 80.



The Newdale volunteer fire station, several businesses, and at least one home lie near or on an ultramafic body on US 19 in Newdale. No samples were taken here.