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

<table>
<thead>
<tr>
<th>A. SITE INFORMATION</th>
<th>Site Number: NC-16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Historical Name</strong></td>
<td>Deposit Number Nine (Higdon Mine)</td>
</tr>
<tr>
<td><strong>Latitude / Longitude</strong></td>
<td>35.190N -83.277W</td>
</tr>
<tr>
<td><strong>State, County, nearest City/Town</strong></td>
<td>North Carolina, Macon, Franklin</td>
</tr>
<tr>
<td><strong>Site Type</strong></td>
<td>Mine, Prospect, Occurrence</td>
</tr>
<tr>
<td><strong>Mineral reported</strong></td>
<td>chrysotile, crocidolite, tremolite, Other (name), amosite, anthophyllite, actinolite</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>B. INFORMATION SOURCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>(include publication date)</td>
</tr>
<tr>
<td><a href="http://www.ncdot.org/it/gis/DataDist/GISCountyMap_TIFs.html">http://www.ncdot.org/it/gis/DataDist/GISCountyMap_TIFs.html</a></td>
</tr>
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<thead>
<tr>
<th>C. SITE AND AREA RECONNAISSANCE</th>
<th>Date of Site Reconnaissance: 11/9/05</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Was the site located and a site visit completed?</td>
<td>x Yes, No, site could not be located</td>
</tr>
<tr>
<td>(Please attach a topographic map print showing the site)</td>
<td></td>
</tr>
<tr>
<td>2. Is the site property developed and in use of any kind?</td>
<td>x No, site is wooded / undeveloped</td>
</tr>
<tr>
<td>3. Land use on site (check all that apply)</td>
<td>Residential, Commercial, Industrial, Recreational (golf course, park, etc.), Construction or clearing in progress, Other (please describe below)</td>
</tr>
<tr>
<td>4. Are there large areas of bare soil visible on the property?</td>
<td>x Yes, No</td>
</tr>
<tr>
<td>(Please describe below)</td>
<td></td>
</tr>
<tr>
<td>5. Are there residences, apartments, stores or businesses, or day care facilities on the site, or within 200 feet of it?</td>
<td>? Yes, No</td>
</tr>
<tr>
<td>Please note which, and describe the item and its location (relative to the site) below.</td>
<td></td>
</tr>
<tr>
<td>6. Where is the nearest residence, place of business, or place frequented by local residents located, in relation to the site?</td>
<td>x N/A (addressed at 5 above)</td>
</tr>
<tr>
<td>(Place and distance/direction to site)</td>
<td></td>
</tr>
</tbody>
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7. Are any physical barriers present (fences, gates) that prevent access?  

<table>
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<th>Description</th>
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<tr>
<td>Yes</td>
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D. ADDITIONAL INFORMATION  
(Indicate by letter and number which topic the information supports)

A. The same ultramafic body hosts both the Higdon mine and the Deposit Number Nine. The same body also hosted the Maguire vermiculite mine (Murdock and Hunter, 1946). Van Gosen (2005) reports anthophyllite asbestos at the Higdon mine and chrysotile at the Deposit Number Nine. Hunter (1941) reports chrysotile at the Deposit Number Nine and Conrad and others (1963) report “asbestos” at the Higdon mine.

C1- C6. The mine is located near the community of Ellijay. Numerous ultramafic bodies occur in this area. Primary land use is low density residential. Reconnaissance of the area via public roads was conducted but no deposits were visited in the area as they are all on private property and not accessible from the road without trespassing. Proximity of residences to the asbestos bearing ultramafic bodies is unknown but the probability is high that some homes are within 200 feet of the bodies. The Higdon mine has likely been the site of relatively recent mining activity as an open pit mine is prominent on the 1995 air photo yet does not appear on the 1987 topographic map. A large area of bare soil is present in the mine area. No prominent roads leading into the mine area were observed.

Directions to Mine:  
(From Conrad, 1963, p. 40)

The Deposit No. Nine (Higdon mine) is located about 1000 feet east of SR 1001 (Ellijay Creek Road), 4.0 miles northeast of the intersection of SR 1001 and U.S. Highway 64. This intersection is located 4.5 miles southeast of Franklin.
Higdon Mine
(Deposit Number Nine)
Macon County

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

Higdon Mine (Deposit Number Nine)

USGS Orthophotoquad: Corbin Knob 7.5° Quadrangle 4-3-95
Color IR orthophoto of the Higdon (Deposit Number Nine) area.
Higdon (Deposit #9)

MAP SHOWING LOCATION OF PERIDOTITES IN
ELLIJAY CREEK AREA, MACON CO.

From Conrad and others (1963)