

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-40 | | | |
| Historical Name | Socrates Corundum Mine | | |
| Latitude / Longitude | 35.100N -83.014W | | |
| State, County, nearest City/Town | North Carolina, Transylvania, Cashiers | | |
| 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"/> amosite | <input checked="" type="checkbox"/> anthophyllite | <input type="checkbox"/> actinolite |
| | <input type="checkbox"/> Other (name) _____ | | |

| | |
|---|---|
| B. INFORMATION SOURCES (include publication date) | Conrad and Others (1963). USGS 7.5' Topo Map: Cashiers Quad (7-1-88). USGS Orthophotoquad for Cashiers 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 . |
|---|---|

| | |
|--|--|
| C. SITE AND AREA RECONNAISSANCE | Date of Site Reconnaissance <u>11/9/05</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 type="checkbox"/> Yes <input checked="" 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 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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No Description: |
| D. ADDITIONAL INFORMATION (Indicate by letter and number which topic the information supports) | |
| <p>C1. Reconnaissance was conducted on the public road (SR 1152) in the vicinity of the Socrates mine. The actual active mine was not visited.</p> <p>C3. Aerial photos indicate that the mine is in a wooded area with no houses nearby. Real estate signs along the road indicate lots are being sold in the general vicinity of the mine. An established development lies about 1500 feet east of the mine.</p> | |

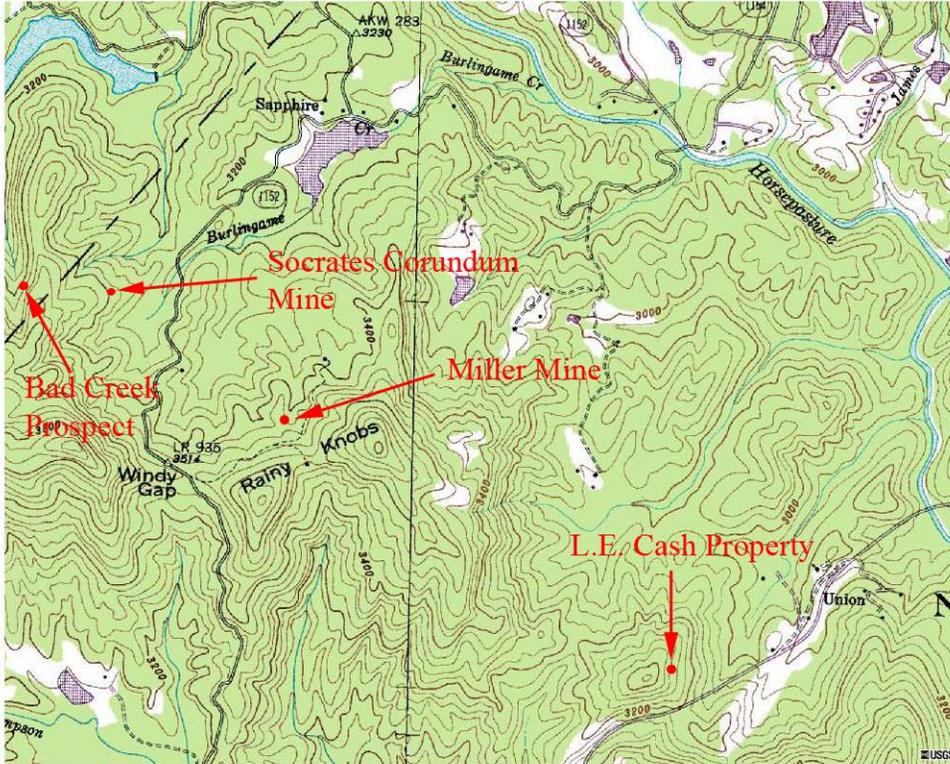
Directions to Prospect:

(From Conrad, 1963, p. 32)

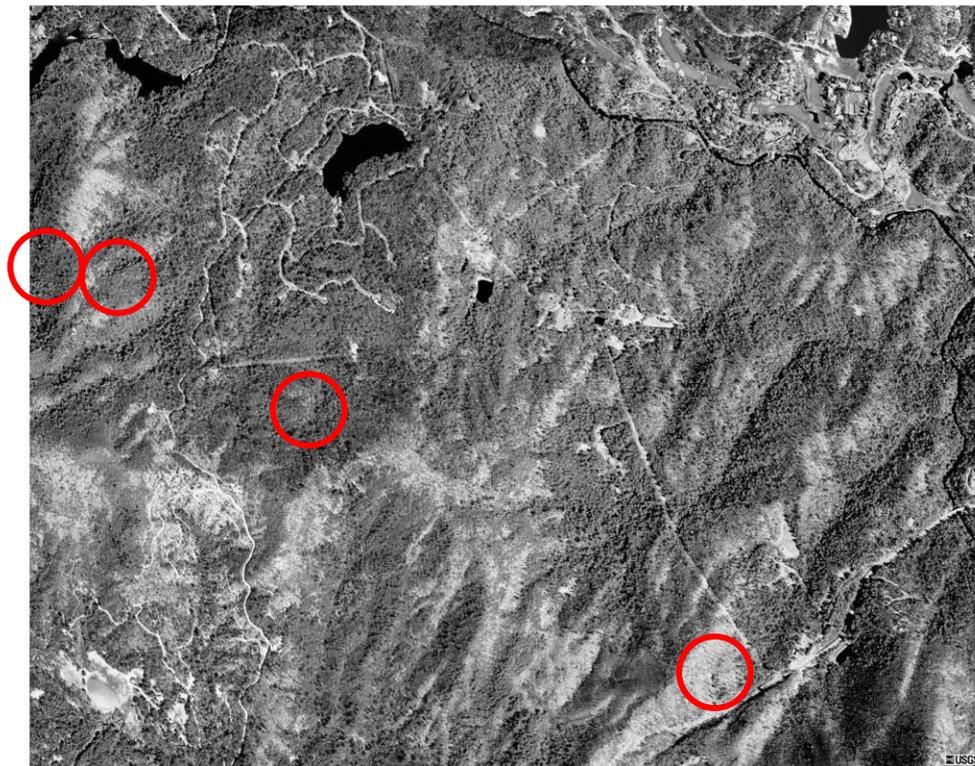
This deposit is located 0.75 mile southwest of Sapphire and about 1000 feet west of SR 1152. It can be reached by traveling on SR 1152 for 0.7 mile southwest of Sapphire and the intersection with SR 1153. At this point an abandoned logging road turns west off SR 1152. The deposit can be reached by following the logging road 1000 feet.

Socrates Corundum Mine

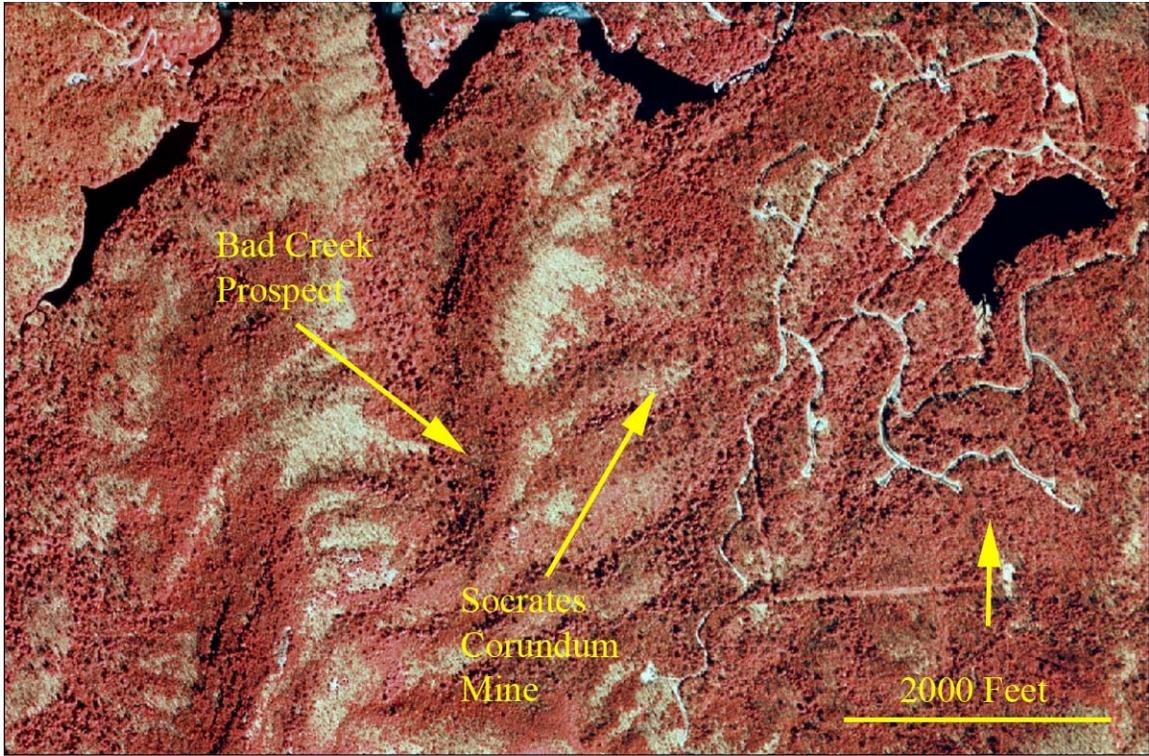
Transylvania County



USGS Topographic Map: Cashiers 7.5' Quadrangle 7-1-88



USGS Orthophotoquad: Cashiers 7.5' Quadrangle 3-25-95



Color IR orthophoto (1998) of the Socrates corundum mine area.