

Prospect Group Report: Minerals Collected

Contributions by: Ann and Noel Kennon, Denis O'Brien, Brian Holden, Brian England and Edward Zbik.

On 7th April, thirteen members assembled at Prospect Quarry. We were grateful for the opportunity to participate in the final collecting trip allowed by Boral/AWJ Civics into the Prospect Quarry. The site is being rehabilitated for industrial warehousing.

We appreciated that Brian England was able to attend. His knowledge and guidance made for an enjoyable and all-inclusive picture of the location. The use of the Boral/AWJ Civics' amenities for lunch break was much appreciated and served as shelter from light rain. Although collecting methods were somewhat limited, everyone walked away with a few mementos of the remains of the once-extensive quarrying operation. The real fun began when specimens were cleaned up and examined for mineral content and structure.

Thanks again must be extended to the staff at the Site, some who gave up their rostered day off to oversee our visit.

MINERALS FOUND AND IDENTIFIED AT PROSPECT QUARRY	
MINERAL	DETAIL
Analcime	ANK: crystals of analcime
Augite	BHO: -detected with microscope
Calcite	DOB: found some nice samples of yellow fluorescent calcite under long wave UV ANK: Calcites
Dolerite	BHO: the resident calcite veins received the acid treatment to reveal Analcime crystals lining the veins punctuated by numerous spheres of pyrite and marcasite crystals.
Hornblende	BHO: found specimens
Natrolite	BHO: crystals of Natrolite-detected with microscope
Olivine	BHO: crystals
Pectolite	ANK:BHO:EZB: crystals of pectolite BEN: one specimen of radiating pectolite
Pegmatite	BEN: good teaching specimen
Picrite	BEN: good teaching specimen
Prehnite	BHO: specimens
Pyrite	BEN: micro pyrite detected with microscope
Silica (amorphous)	BHO: found specimens EZB: Green glassy mass – 32mm x 20mm
Teschenite	BEN: good teaching specimen

ANK: Ann and Noel Kennon; DOB: Denis O'Brien; BHO: Brian Holden; BEN: Brian England; EZB: Edward Zbik;

The above minerals are only a fraction of the range of minerals Prospect Quarry has produced in the past.

One interesting point was that Brian had authored a paper called "The Prospect Intrusion" in "The Mineralogical Record" in 1974. Upon contacting the publisher, the Society was given permission to copy and distribute the article to members who participated in the Field Trip on the condition that we inform members that the article (in colour) is available from "The Mineralogical Record" for \$US12.00+postage from www.MineralogicalRecord.com.