GSA DATA REPOSITORY

Data Repository Item #: 9747

Title of article Provenance interpretation of quartz by scanning electron microscope-cathodluminescence fabric analysis

Author(s) Abbas Seyedolali, David H. Krinsley, Sam Boggs, Jr., Patrick F. O'Hara, Henning Dypvik and Gordon G. Goles

SEE: ___ *GSA Bulletin*
X *Geology*
___ *GSA Today*

v. 25, p. 787 - 790

Contents

1 pg.

The Geological Society of America
P.O. Box 9140 • Boulder, CO 80301-9140 U.S.A.
Phone 303-447-2020

Sample Data (Footnote 1)

Type of Quartz	Rock Type	Age	No. of Samples	Grains Analyzed	Formation / Location
Volcanic	Ash	Hol	1	30	Mt. Pinatubo Ash, Philippines
	Tuff	Pleis	2	20	Bishop Tuff, eastern California
	Rhyolite	Mio	3	45	Badlands Rhyolite, southwest Idaho
	Rhyolite	Mio	1	30	Apache Leap Tuff, eastern Arizona
	Tuff	Mio	1	15	Welded Tuff, Santan Mtns., Arizona
	Tuff	Olig	1	20	Flow-banded Rhyolite, Stockade Mtn., Oregon
Plutonic	Granodiorite	Jur	1	20	Mt. Ashland Granodiorite, southern Oregon
	Granodiorite	Cret	1	30	Squamish Granodiorite, British Columbia, Canada
	Granodiorite	Cret	1	30	Sechelt Pluton, British Columbia, Canada
	Diorite	Eoc	1	20	Karaj Pluton, Alborz Mtn., Iran
	Granite	Cret	1	20	Northwest Nevada
	Granite	Cret	1	20	Northwest Nevada
	Granite	J/K	1	25	Yamato Ridge, Japan Sea
	Granophyre	J/K	1	25	Yamato Ridge, Japan Sea
	Trondhjemite	Jur	1	15	Wooley Creek Batholith, Klamath Mtn., N. Calif.
	Trondhjemite	Cret	1	10	Klamath Mtns., Southern Oregon
	Migmatite	Pre-C	1	20	Finnish Migmatite, Finland
Metamorphic	Metapelite	Jur	1	10	May Creek Terrane, Klamath Mtns., N. California
	Schist	Jur	1	10	Condrey Mtn. Schist, Klamath Mtns., N. California
	Metapelite	Jur	1	10	May Creek Terrane, Klamath Mtns., N. California
	Greenschist	Cam	1	10	Hazens Notch Fm., Vermont
	Greenschist	Pre	1	10	Green Mountain, Vermont
	Gneiss	Pre-C	1	10	Metasyenite, Adirondack Mtns., New York
	Granulite	Pre-C	1	10	Metadiorite, Adirondack Mtns., New York
	Metapelite	Pre-C	4	50	Pritchard/Wallace Fm., Snow Peak area, N. Idaho
	Metapelite	Pre-C	5	50	Metapelite rocks, Kangerdlugssuaq, E. Greenland
	Metarhyolite	Pre-C	4	50	Iron King Volcanics, Prescott, Arizona
Shocked	Sandstone	Perm	2	30	Coconino Sandstone, Arizona Meteor Crater, N. Ariz.
	Breccia	Eoc	1	15	Wanapetei Suevite, Ontario, Canada
	Claystone	K/T	2	20	K/T boundary, Brownie Butte, Wyoming
	Claystone	J/K	4	50	J/K boundary, Hekkingen Formation, Barents Sea
	Breccia	Pre-C	1	15	Onaping Melt Breccia, Sudbury, Ontario, Canada
	Quartzite	Pre-C	1	20	Vredefort Structure quartzite, South Africa
	Impact ejecta	Pre-C	3	60	Acraman Impact Structure, Australia
Detrital	Sandstone	Mio	2	15	Deep-sea Sandstone, ODP Site 799, Japan Sea
	Sandstone	Eoc	1	10	Bateman Formation, Coast Range, Oregon
	Claystone	P/T	2	15	Productus Creek, New Zealand
	Claystone	P/T	2	15	Wairoa Gorge, New Zealand
	Sandstone	P/T	2	20	Mt. Crean, Victoria Land, Antarctica
	Sandstone	Perm	2	30	Basal Permian Sandstone, Durham, England