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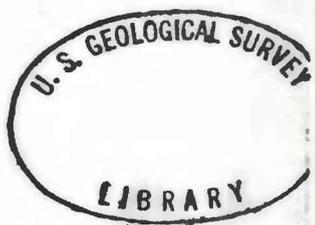


TABLE 6. Lead-alpha age determinations on zircon

Map unit	Laboratory number	Rock	Locality number and description	α /mg-hr ¹ /	Pb ² / (ppm)	Calculated age ³ / (m. y.)	Geologic age	
							Based on Pb- α determinations	Based on mapping
Woodbridge Granite	CEF-3	Oligoclase granite	(1) Type locality, NE Woodbridge, Conn.	570	221	890 \pm 100	Precambrian	Devonian
Prospect Gneiss	FPG-200	Granodiorite gneiss	(2) Type locality, NE Prospect, Conn.	337	64	450 \pm 50	Ordovician	Devonian or Ordovician
	FPGM-150	Hydrothermally altered granodiorite gneiss	(3) Mixville fault, Ten Mile River, Cheshire, Conn.	130	24.5	450 \pm 50		
	FPGM-200	Hydrothermally altered granodiorite gneiss	(3) Mixville fault, Ten Mile River, Cheshire, Conn.	124	23.5	450 \pm 50		
Woodtick Gneiss	CEF-1	Quartz diorite gneiss	(4) Type locality, 1 mile southeast Woodtick, Conn.	30	9.5	740 \pm 160	Cambrian or Precambrian	Precambrian
	FWG-250	Quartz diorite gneiss	(5) 1 mile northeast Woodtick, Conn.	556	118	510 \pm 50	Precambrian	

1/ Alpha activity measurements by T. W. Stern, U. S. Geological Survey.

2/ Lead determinations by Charles Amell and Harold Westley, U. S. Geological Survey. All values are averages of duplicate determinations.

3/ The lead-alpha ages were calculated from the following equations:

(1) $t = C \text{ Pb}/\alpha$
 (2) $T = t - 1/2 kt^2$

The following constants were used:

<u>Assumed U/Th ratio</u>	<u>C</u>	<u>k</u>
1.0	2485	1.56×10^{-4}

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This report is preliminary and has not been edited for conformity with Geological Survey format