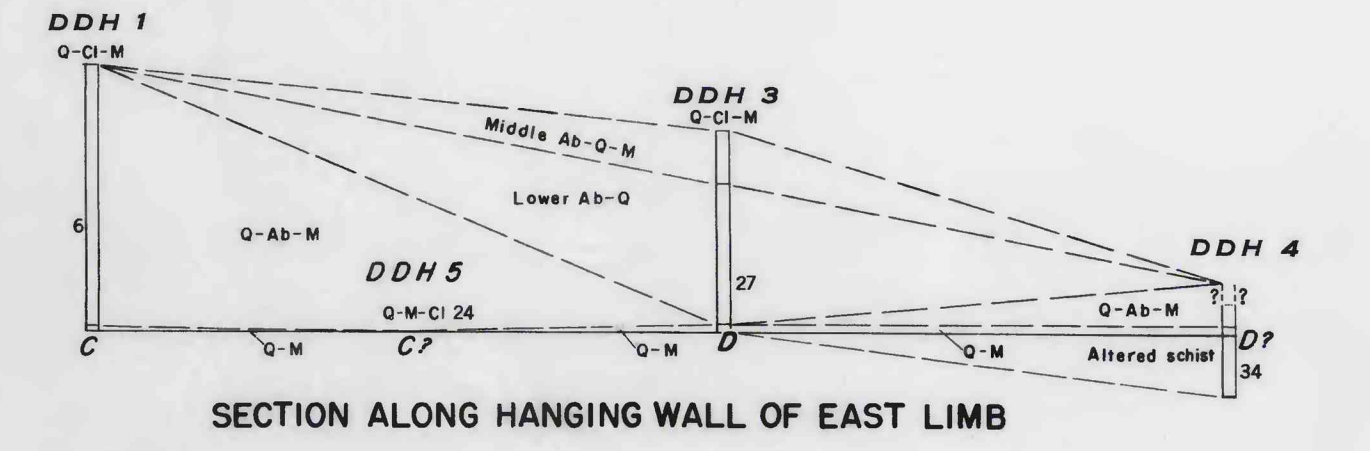
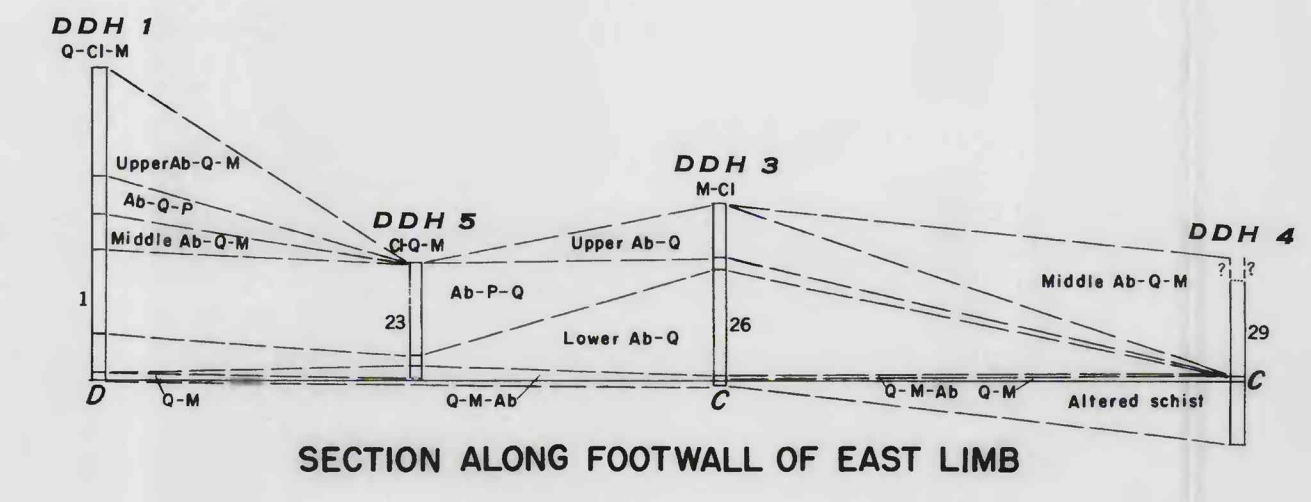
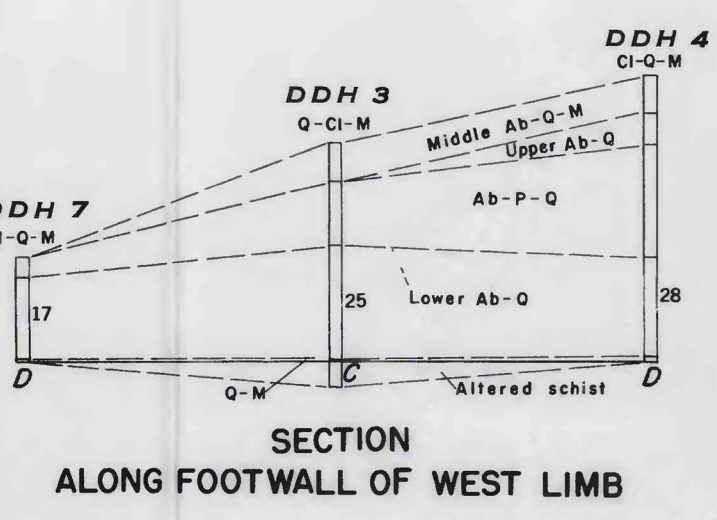
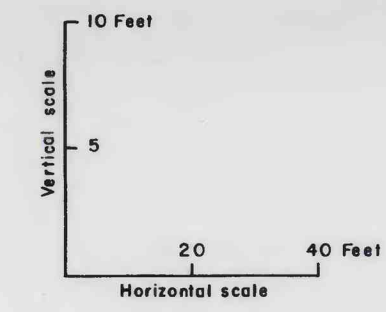


SEQUENCE FROM PEGMATITE CONTACT INWARD	NAMES OF LAYERS	SYMBOL	AVERAGE GRAIN SIZE (inches)	PRINCIPAL MINERALS (percent)				SUGARY ALBITE-QUARTZ AGGREGATES (percent)	ALBITE No. content (percent)	BERYL BeO (percent)
				ALBITE	QUARTZ	PERTHITE	MUSCOVITE-BERYL			
12	Quartz-albite pegmatite (wall zone)	Q-Ab	1	12	85	2	0.12		1.586	12.4
11	Upper albite-quartz-muscovite pegmatite (wall zone)	Upper Ab-Q-M	.6	50	35	Less than 1	12	1.529	6	
10	Albite-quartz-perthite pegmatite (wall zone)	Ab-Q-P	.5	45	35	15	3	1.529	4-6	
9	Middle albite-quartz-muscovite pegmatite (wall zone)	Middle Ab-Q-M	.5	67	24	Trace	5	1.528	4	1.579 12.9-13.1 1.582
8	Upper albite-quartz pegmatite (wall zone)	Upper Ab-Q	Sugary-.05 Other-.6	60	30		6	1.528	4	1.580 12.8-13.0 1.583
7	Albite-perthite-quartz pegmatite (wall zone)	Ab-P-Q	Sugary-.05 Perthite-.6 Other-.4	37	25	32	5	1.528	4-6	1.580 12.5-13.0 1.529
6	Lower albite-quartz pegmatite (wall zone)	Lower Ab-Q	Sugary-.05 Other-.4	60	30	Trace	9	1.528	4-9	1.529 12.9-13.1 1.582
5	Lower albite-quartz-muscovite pegmatite (wall and border zone)	Lower Ab-Q-M	Border zone-.2 Wall zone-.5	58	34		6	1.528	4-8	1.580 12.5-13.0 1.530
4	Quartz-albite-muscovite pegmatite (wall zone)	Q-Ab-M	.4	30	56	Trace	12	1.528	4-8	1.574 12.6-13.5 1.584
3	Quartz-muscovite-albite pegmatite (border zone)	Q-M-Ab	.1	18	50		30	1.529	6-9	1.577 13.1-13.3 1.579
2	Quartz-muscovite pegmatite (border and wall zone)	Q-M	Border zone-.1 Wall zone-.5	3	70		25	1.529	6-9	1.577 13.1-13.3 1.579
1	Quartz pegmatite (border zone or fracture-filling unit)	Q			100					

The mineralogy of the adjacent intermediate zone is indicated at the top of each column by the following abbreviations:

- Ci Cleavelandite pegmatite
- Q-Ci Cleavelandite-quartz pegmatite
- M-Ci Muscovite-cleavelandite pegmatite
- Ci-M Cleavelandite-muscovite pegmatite
- Q-Q-M Cleavelandite-quartz-muscovite pegmatite
- Q-Ci Quartz-cleavelandite pegmatite
- Q-Ci-M Quartz-cleavelandite-muscovite pegmatite
- Q-M-Ci Quartz-muscovite-cleavelandite pegmatite

D - Discordant contact
C - Concordant contact
DDH - U.S. Bureau of Mines diamond-drill hole



CORRELATION CHARTS OF THE PEERLESS PEGMATITE SHOWING THE SEQUENCE OF LAYERS IN THE BORDER AND WALL ZONES. PENNINGTON COUNTY, SOUTH DAKOTA