



EXPLANATION

- Contact
- ▲ Thrust fault
Sawteeth on upper plate
- Boundary of sector

Boundary between the northern and southern areas
of the Grandfather Mountain Formation

GRANDFATHER MOUNTAIN
FORMATION

| Sector | Number of poles | Contours (percent) |
|--------|-----------------|--------------------|
| I | 173 | 0.5, 1.7, 4.0 |
| II | 41 | 2.5, 7.2, 12.0 |
| III | 77 | 1.2, 5.2, 10.0 |
| IV | 170 | 1.7, 2.2, 4.7 |
| V | 52 | 2.0, 4.0, 8.0 |
| VI | 49 | 2.0, 4.0, 8.2 |
| VII | 102 | 2.0, 5.0, 9.0 |
| VIII | 29 | 3.5, 7.0, 14.0 |
| IX | 27 | 4.0, 7.0, 11.0 |
| X | 49 | 2.0, 4.0, 8.0 |
| XI | 23 | 4.2, 8.7, 12.5 |
| XII | 111 | 2.0, 4.0, 7.0 |
| XIII | 25 | 4.0, 8.0, 16.0 |
| XIV | 70 | 3.0, 6.0, 12.0 |
| XV | 96 | 1.0, 5.0, 30.0 |

TABLEROCK THRUST SHEET

| Sector | Number of poles | Contours (percent) |
|--------|-----------------|--------------------|
| A | 149 | 1.3, 6.6, 13.0 |
| B | 149 | 0.6, 2.0, 13.0 |
| C | 81 | 1.2, 12.0, 31.0 |
| D | 160 | 0.6, 3.0, 16.0 |
| E | 102 | 1.0, 5.0, 20.0 |
| F | 89 | 1.0, 4.0, 13.0 |
| G | 101 | 1.0, 3.0, 10.0 |
| H | 26 | 4.0, 8.0, 38.0 |
| I | 89 | 1.0, 5.5, 22.0 |
| J | 155 | 0.6, 3.2, 29.0 |
| K | 60 | 1.6, 8.3, 25.0 |

All diagrams are equal-area projections
in lower hemisphere with planes of pro-
jection horizontal and north at top

2 0 2 4 6 8 MILES

CONTOUR DIAGRAMS OF POLES TO BEDDING IN THE GRANDFATHER MOUNTAIN FORMATION AND THE TABLEROCK THRUST SHEET, GRANDFATHER MOUNTAIN AND VICINITY, NORTH CAROLINA AND TENNESSEE