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|------------------------------------|-------------------------|---------------------|-------------------------|---------------------|----------------------------------|----------------------|-----------------------|--------------------------|
| 1 Glacier National Park Boundary | 8 Going-to-the-Sun Road | 17 Goat Mtn | 26 Baring Creek | 34 Piegan Mtn | 43 Logan Pass and Visitor Center | 51 Little Matterhorn | 60 Grinnell Glacier | 69 Mount Vaught |
| 2 Saint Mary | 9 Saint Mary Lake | 18 Red Eagle Mtn | 27 Sunrft Gorge | 35 Piegan Glacier | 44 Hidden Lake | 52 Edwards Mtn | 61 The Garden Wall | 70 Stanton Mtn |
| 3 East Entrance and Visitor Center | 10 Singleshot Mtn | 19 Mahtotopa Mtn | 28 Going-to-the-Sun Mtn | 36 Piegan Pass | 45 Mount Cannon | 53 Mount Brown | 62 Haystack Butte | 71 Lake Evangeline |
| 4 Divide Mtn | 11 Two Dog Creek | 20 Little Chief Mtn | 29 Sexton Glacier | 37 Lunch Creek | 46 Bearhat Mtn | 54 Avalanche Lake | 63 Weeping Wall | 72 Camas Lake |
| 5 Divide Creek | 12 Red Eagle Creek | 21 Almost-a-Dog Mtn | 30 Matahpi Peak | 38 St Mary River | 47 Fusillade Mtn | 55 Mount Oberlin | 64 Continental Divide | 73 Camas Creek |
| 6 White Calf Mtn | 13 Red Eagle Lake | 22 Virginia Falls | 31 Siyeh Pass | 39 Reynolds Creek | 48 Gunsight Lake | 56 Bird Woman Falls | 65 The Loop | 74 Arrow Lake |
| 7 Curly Bear Mtn | 14 Kakitos Mtn | 23 Dusty Star Mtn | 32 Mount Siyeh | 40 Heavy Runner Mtn | 49 Gunsight Mtn | 57 Pollock Mtn | 66 Glacier Wall | 75 Trout Lake |
| | 15 Otokomi Mtn | 24 Citadel Mtn | 33 Cracker Lake | 41 Reynolds Mtn | 50 Sperry Glacier | 58 Bishops Cap | 67 Heavens Peak | 76 McDonald Creek |
| | 16 Rose Creek | 25 Otokomi Lake | | 42 Clements Mtn | | 59 Mount Gould | 68 McPartland Mtn | 77 Lake McDonald |
| | | | | | | | | 78 Lake McDonald Village |

SHADED RELIEF, OBLIQUE VIEW MAP, VICINITY OF GOING-TO-THE-SUN ROAD,
GLACIER NATIONAL PARK, MONTANA

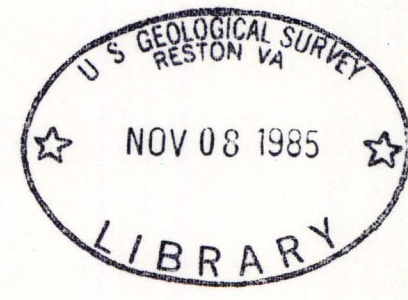
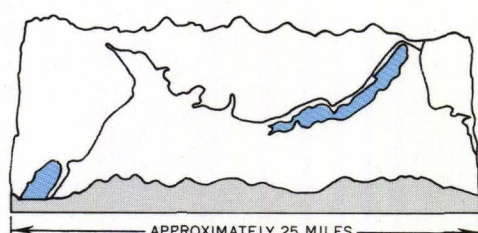
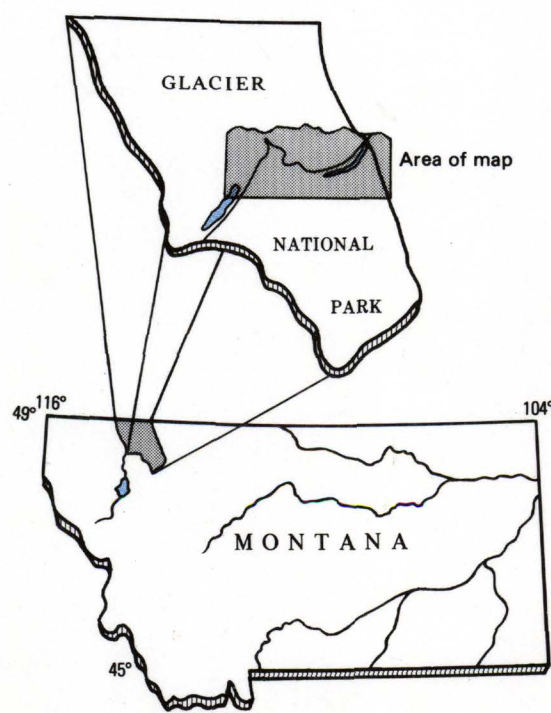
By
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1983

NOTE

The production of this map began with aerial photography taken from an elevation of 40,000 feet. The photography allowed the area to be viewed stereoscopically (in three dimensions), and made possible the horizontal and vertical measurements of the geographic features. Eight stereomodels were scanned on a digital photogrammetric instrument attached to a magnetic tape drive. Elevations were collected and recorded onto tape every 50 meters along profiles 100 meters apart, resulting in a total of 570,000 data points. These data were reduced to 36,000 location and elevation points by a computer program which compiled a three-dimensional contour perspective model in the computer's memory. The model was oriented so that the resulting map would be viewed from the south, would have a 30-degree tilt, and have a 2.6-times vertical exaggeration. These conditions were selected to give maximum visibility of Going-to-the-Sun Road, minimum concealment of terrain, and realism of geographic features. The model was transferred to magnetic tape from the computer's memory, entered into and drawn by a plotter.

This air-brush, shaded-relief version of the map was made using the three-dimensional oblique contour map as a base, along with oblique aerial photographs, and standard topographic maps.



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