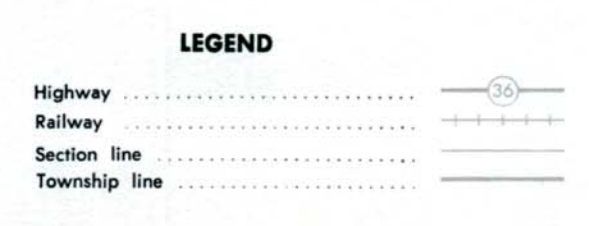
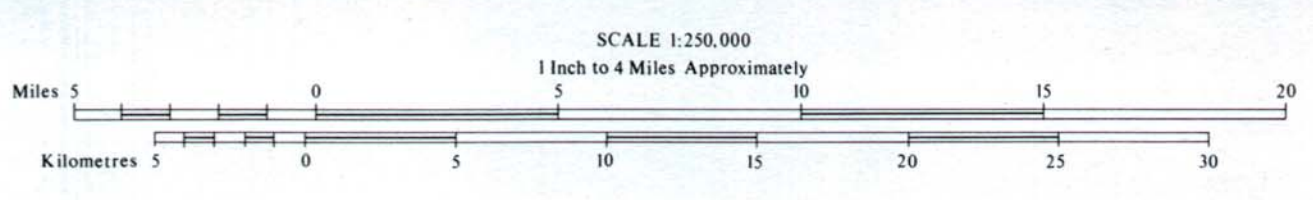
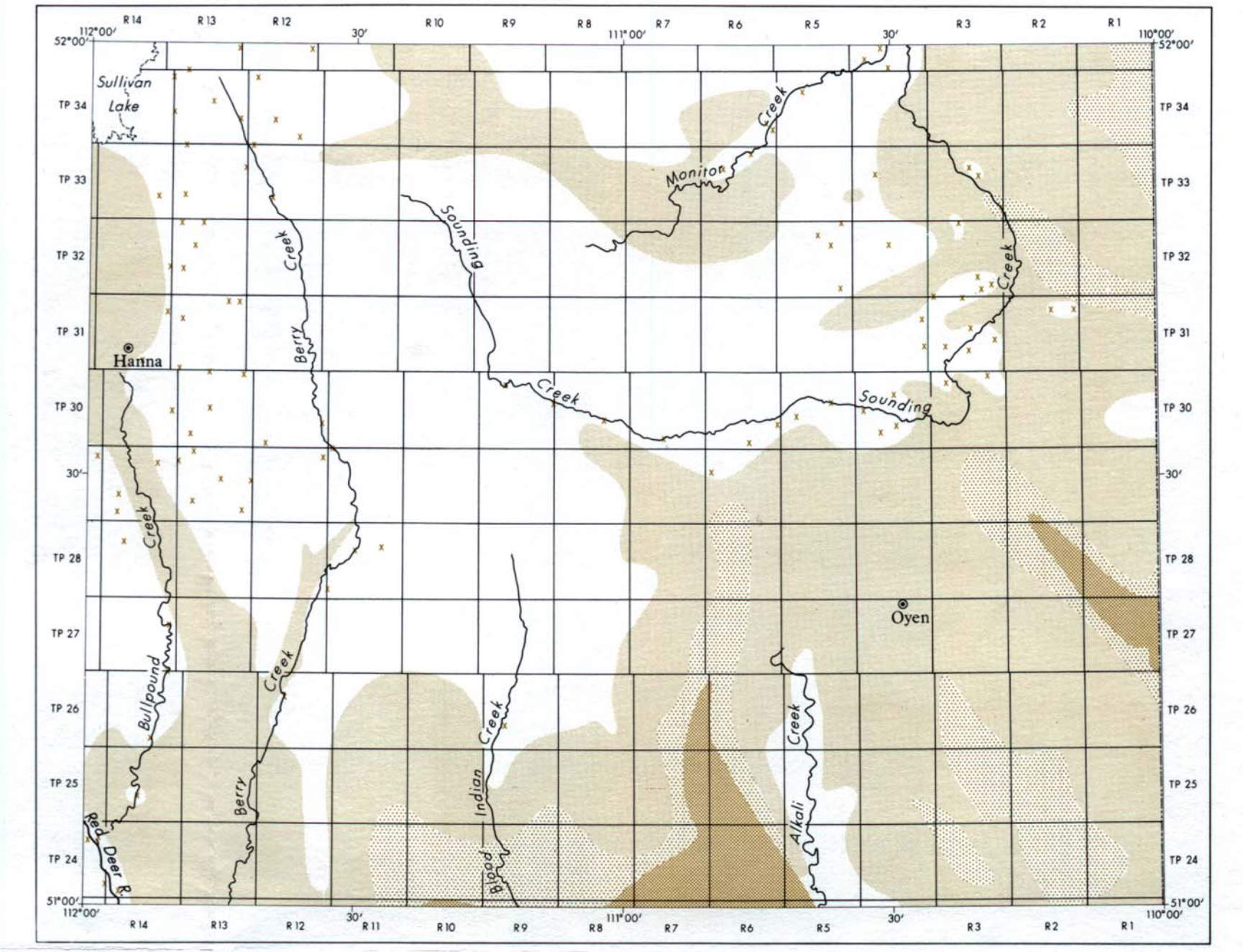
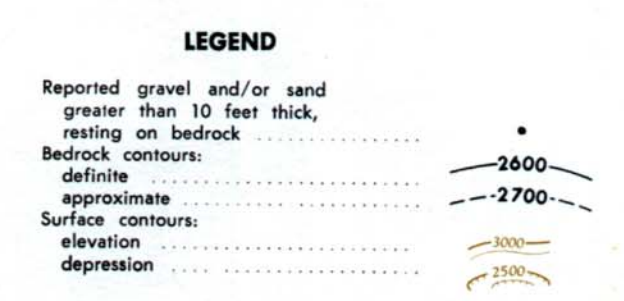


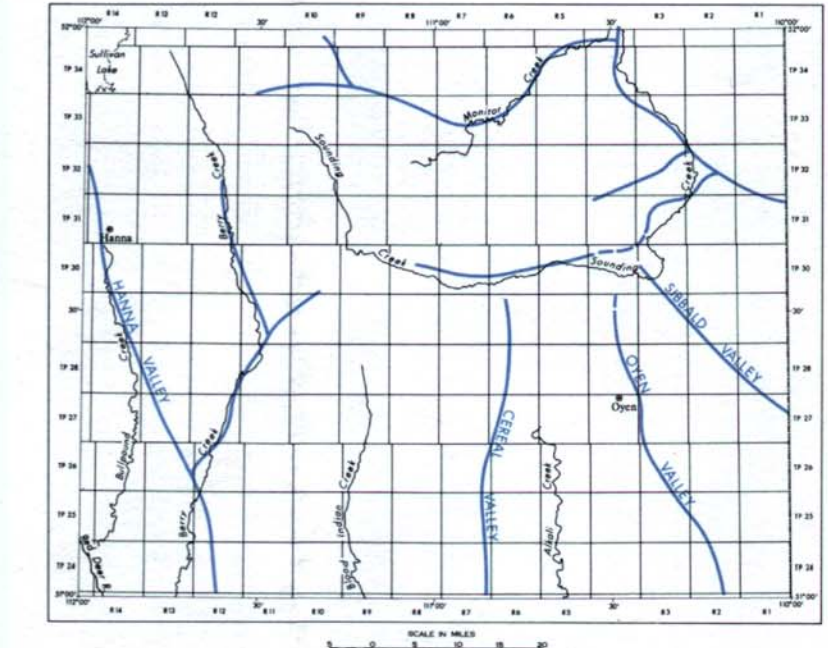
Data compilation: L. Hoffman
 Drafting: R. J. Clouston
 Cartographic editing: J. E. Gould



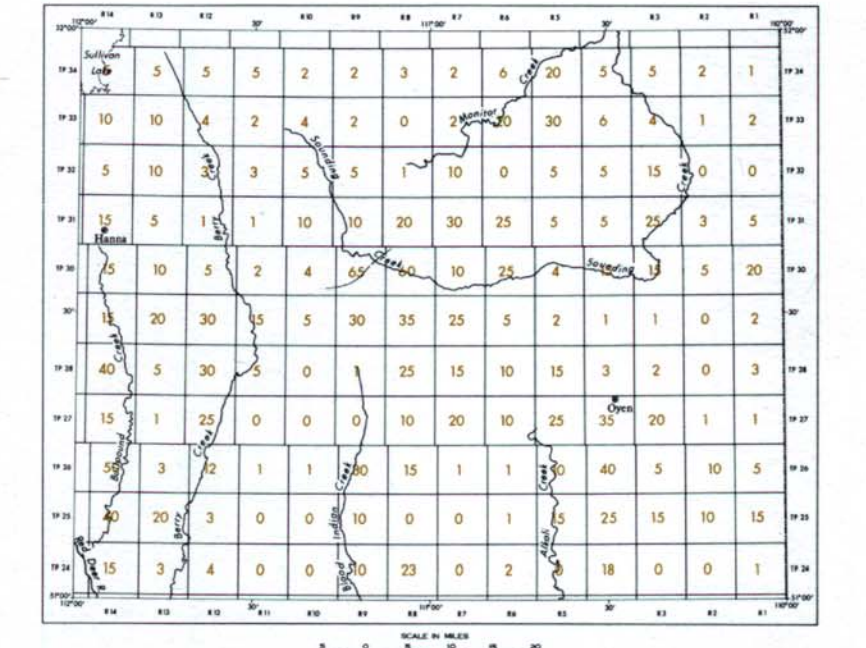
BEDROCK TOPOGRAPHY OF THE OYEN MAP-AREA, NTS 72M, ALBERTA
 WEST OF FOURTH MERIDIAN



LEGEND
 Thickness of drift in feet:
 less than 50 * selected bedrock outcrop
 50 to 150
 151 to 250
 251 to 350



THALWEGS
 For bedrock valleys interpreted to be preglacial

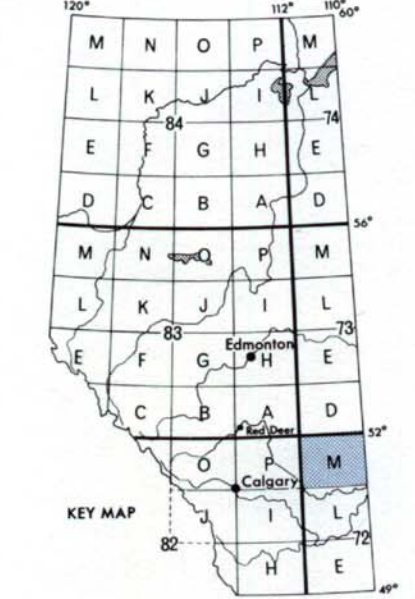


DATA DENSITY
 Number of logs used in each township and range



RESEARCH COUNCIL OF ALBERTA
 Bedrock topography by V. A. Carlson, 1969

NOTES
 Completion
 Logs from seismic shot holes provided most of the information used in compiling the bedrock topography map and the side maps. This information was supplemented by logs from water-well drilling contractors and by testhole logs from other sources. These were very important because of the paucity of seismic shothole data in a number of areas, as can be seen from the data density map. Also included in the data used in map construction were bedrock outcrop locations obtained from Irish (1967) and from unpublished Research Council of Alberta information. These bedrock outcrops shown on the drift thickness map were selected to show general outcrop distribution.
 An extensive area of glacially contoured bedrock is known to exist in the northeast portion of the map sheet. In general, Tps. 31, 32, 33, 34, 35, and 36, Rrs. 4 and 5, Ws. 4 and 5, are underlain by this material. The upper surface of the contoured material is shown on the bedrock topography map as it was not possible to detect the lower limit from the lithologic logs used.
 Previous Work
 The general pattern of major preglacial drainage in the southern part of the province has been outlined by Stalker (1961) and Farnold (1963). A preliminary bedrock topography map of this area was constructed by Kurkko (1962).
 Acknowledgments
 The shothole logs used in compiling this map were supplied by the companies listed below and it is a pleasure to acknowledge their cooperation: Atlantic Richfield Company, Canada Cities Service Petroleum Corporation, Canadian Export Gas and Oil Ltd., Chevron Standard Limited, Gulf Oil Canada Limited, Home Oil Company Limited, Husky's Oil and Gas Company Limited, Imperial Oil Enterprises Ltd., Mobil Oil Canada Ltd., Shell Canada Limited, Texaco Exploration Company.
 Also, testhole logs were made available to us by the Water Resources Division, Department of Agriculture. These logs and those submitted by water-well drilling contractors proved most useful in the compilation of this map.
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