

Introduction

The report describes and maps an area of 4,325 mi² (11,279 km²) along the coast highway... The work on which the surficial-geologic studies were based was done by the U.S. Geological Survey... This segment of the Coast Highway temperature corridor includes that part of the upper Matanuska River valley upstream from the Matanuska Glacier and the southeastern part of the Copper River Basin...

Unconsolidated deposits

Unconsolidated deposits of Quaternary age form a mantle that in a few places is more than 100 ft (30 m) thick... The process includes mineralization of gold, silver, platinum, and other metals... The principal mineral resources are gold, silver, platinum, and other metals...

Mineral resources

The principal mineral resources are gold, silver, platinum, and other metals... The principal mineral resources are gold, silver, platinum, and other metals... The principal mineral resources are gold, silver, platinum, and other metals...

Vegetation

The vegetation in the area is favorable for generation of atmospheric pressure... The vegetation in the area is favorable for generation of atmospheric pressure...

Bedrock

The bedrock, shown in summary form on the sketch map below, as well as by the lithologic units on the geologic map... The bedrock, shown in summary form on the sketch map below, as well as by the lithologic units on the geologic map...

The eastern part of the area is a flat lacustrine plain broken by river terraces... The eastern part of the area is a flat lacustrine plain broken by river terraces...

The western part of the area is a flat lacustrine plain broken by river terraces... The western part of the area is a flat lacustrine plain broken by river terraces...

The climate throughout the area is favorable for generation of atmospheric pressure... The climate throughout the area is favorable for generation of atmospheric pressure...

The bedrock, shown in summary form on the sketch map below, as well as by the lithologic units on the geologic map... The bedrock, shown in summary form on the sketch map below, as well as by the lithologic units on the geologic map...



Diagrammatic sketch map of major bedrock units and faults that bound them... Diagrammatic sketch map of major bedrock units and faults that bound them...

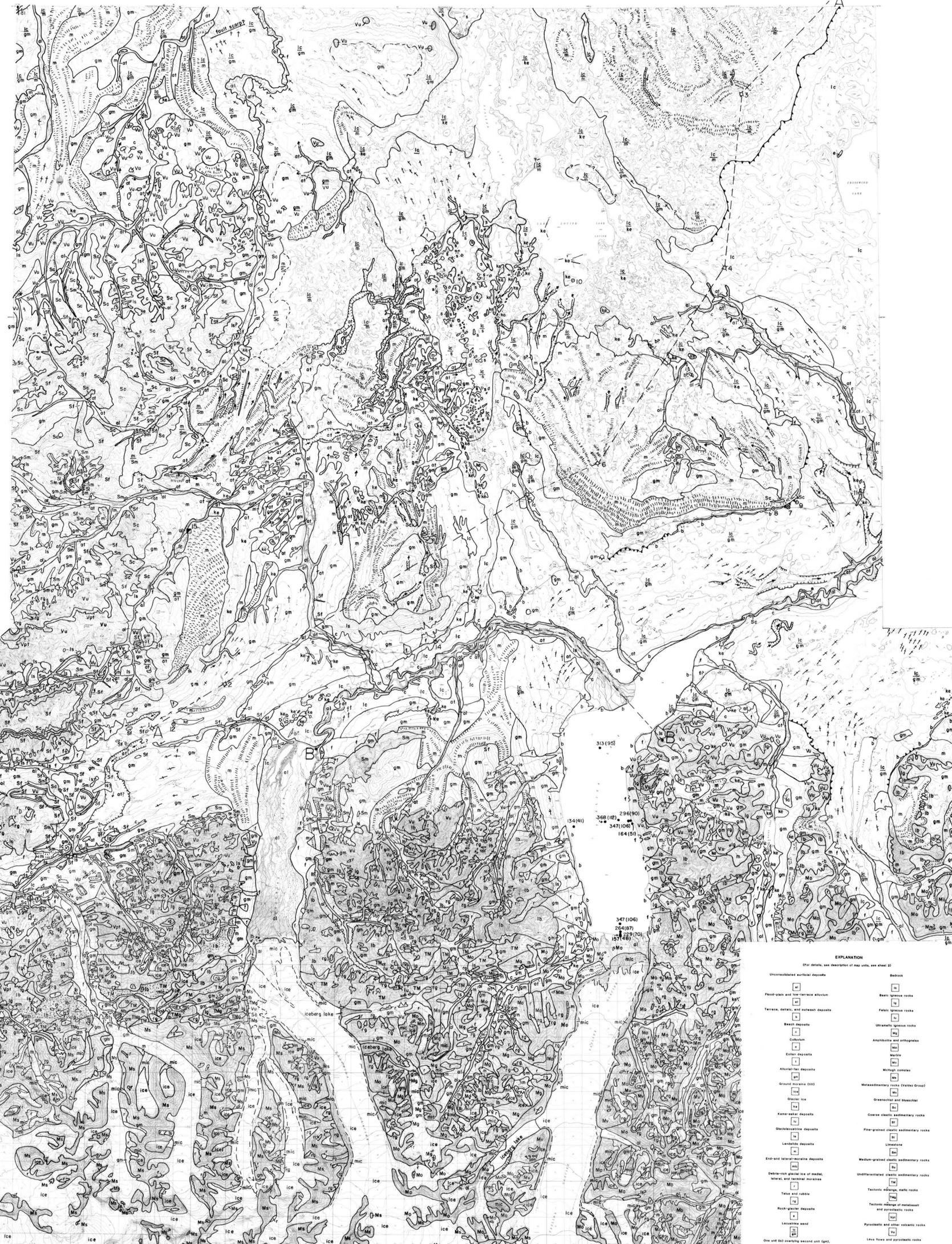
References to sources of bedrock information for each quadrangle... References to sources of bedrock information for each quadrangle...

Index to bedrock geologic mapping. A grid-based index listing bedrock units and their corresponding symbols on the map.

Map Area Location. A small map showing the location of the study area within the state of Alaska.

References to sources of bedrock information for each quadrangle. A list of references for the bedrock data used in the map.

Map Area Location. A small map showing the location of the study area within the state of Alaska.



EXPLANATION. A detailed legend for the geologic map, listing various geological features and their corresponding symbols. It includes categories for unconsolidated surficial deposits, bedrock, and various types of faults.

ENGINEERING - GEOLOGIC MAP OF THE SOUTHWESTERN COPPER RIVER BASIN AND UPPER MATANUSKA RIVER VALLEY, ALASKA

BY
JOHN R. WILLIAMS
1985

Map U.S. Geological Survey, compiled from following 1:250,000 geologic maps: Amburgey C-1, C-2, D-1, D-2, D-3, D-4, G-1, G-2, G-3, G-4, H-1, H-2, H-3, H-4, I-1, I-2, I-3, I-4, J-1, J-2, J-3, J-4, K-1, K-2, K-3, K-4, L-1, L-2, L-3, L-4, M-1, M-2, M-3, M-4, N-1, N-2, N-3, N-4, O-1, O-2, O-3, O-4, P-1, P-2, P-3, P-4, Q-1, Q-2, Q-3, Q-4, R-1, R-2, R-3, R-4, S-1, S-2, S-3, S-4, T-1, T-2, T-3, T-4, U-1, U-2, U-3, U-4, V-1, V-2, V-3, V-4, W-1, W-2, W-3, W-4, X-1, X-2, X-3, X-4, Y-1, Y-2, Y-3, Y-4, Z-1, Z-2, Z-3, Z-4.