



Technical Manual TM 3-34.61 TM 5-545 Geology February 2013

By United States Government US Army

Createspace. Paperback. Book Condition: New. This item is printed on demand. Paperback. 154 pages. Dimensions: 11.0in. x 8.5in. x 0.3in. The purpose of this manual is to relate the science of geology to military engineering. It is to be used for both reference and training. The manual is not intended to make geologists out of military engineers, but rather to present some of the geologic principles required for the correct solutions of many military engineering problems. It includes a survey of basic geologic materials, features, and processes. It further describes the geologic factors that affect the properties and occurrence of natural construction materials, the construction of dams, tunnels, roads, airfields, and bridges, the location of water supplies, and terrain evaluation. Geology is the science which deals with the substance, structure, and origin of the earth. It is the application of chemistry, physics, and biology with their related sciences, to the study of the earth. The formation and alteration of rocks are the result of chemical, physical, and biological phenomena; the behavior of gases, water, and molten and solid rock on and below the surface of the earth is principally a physical phenomenon; the occurrence of animal and plant remains in rocks...

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