



DESCRIPTION OF MAP UNITS

Q LANDSLIDE DEPOSITS—Mostly rockslide debris—massive and dense flow fragments and talus deposits that have moved by earthquake or flood

Qal VALLEY ALLUVIUM—Chieflly sand, fine to medium gravel; minor silt and cobble; underlies valley floor of Resurrection River and larger tributaries

Qf ALLUVIAL-FAN and FAN-DELTA DEPOSITS—Chieflly loose sand, gravel, and silt; lesser amounts of cobble and boulders; deposited as broad fans at the mouths of larger tributary valleys. Probably include debris flows and landslide deposits in some small poorly exposed fan facies near mouths of smaller tributaries

Qg GLACIAL DEPOSITS—Mostly till consisting of moraine deposits and consisting predominantly of silt and sand with lesser amounts of gravel, cobble, and boulders. Include some stratified ice-contact deposits, minor glacial outwash deposits, and small outcrops of bedrock

Qk ICE-COLORED MOLAINE

GI GLACIER and PERENNIAL SNOWFIELDS

Kb BEDROCK—Chieflly gneiss and gabbro; a few conglomerate beds; includes small or thin deposits of drift

— Geologic contact

— Limit of study area

FLOOD-RELATED HAZARDS

— Landslides, debris flows, and debris avalanches

— Debris-laden floods

SR Surge-release type flooding

A HIGH POTENTIAL—Evidence of repeated and/or recent (1967) occurrence and conditions that make stream-lain highly susceptible to mass movement or flood phenomena—steep slopes or stream gradients, unconsolidated material on steep slopes and fans, glaciers and ice-covered moraine in basin

B MODERATE POTENTIAL—Evidence of at least one past occurrence, and necessary conditions (slope etc.) low critical

C LOW POTENTIAL—No evidence of past occurrence, but potential exists given coincidence of "right" conditions

Stream names in parentheses either do not appear on U.S. Geological Survey maps or indicate local usage

MAP SHOWING GENERALIZED GEOLOGY AND FLOOD-RELATED HAZARDS—SEWARD, ALASKA