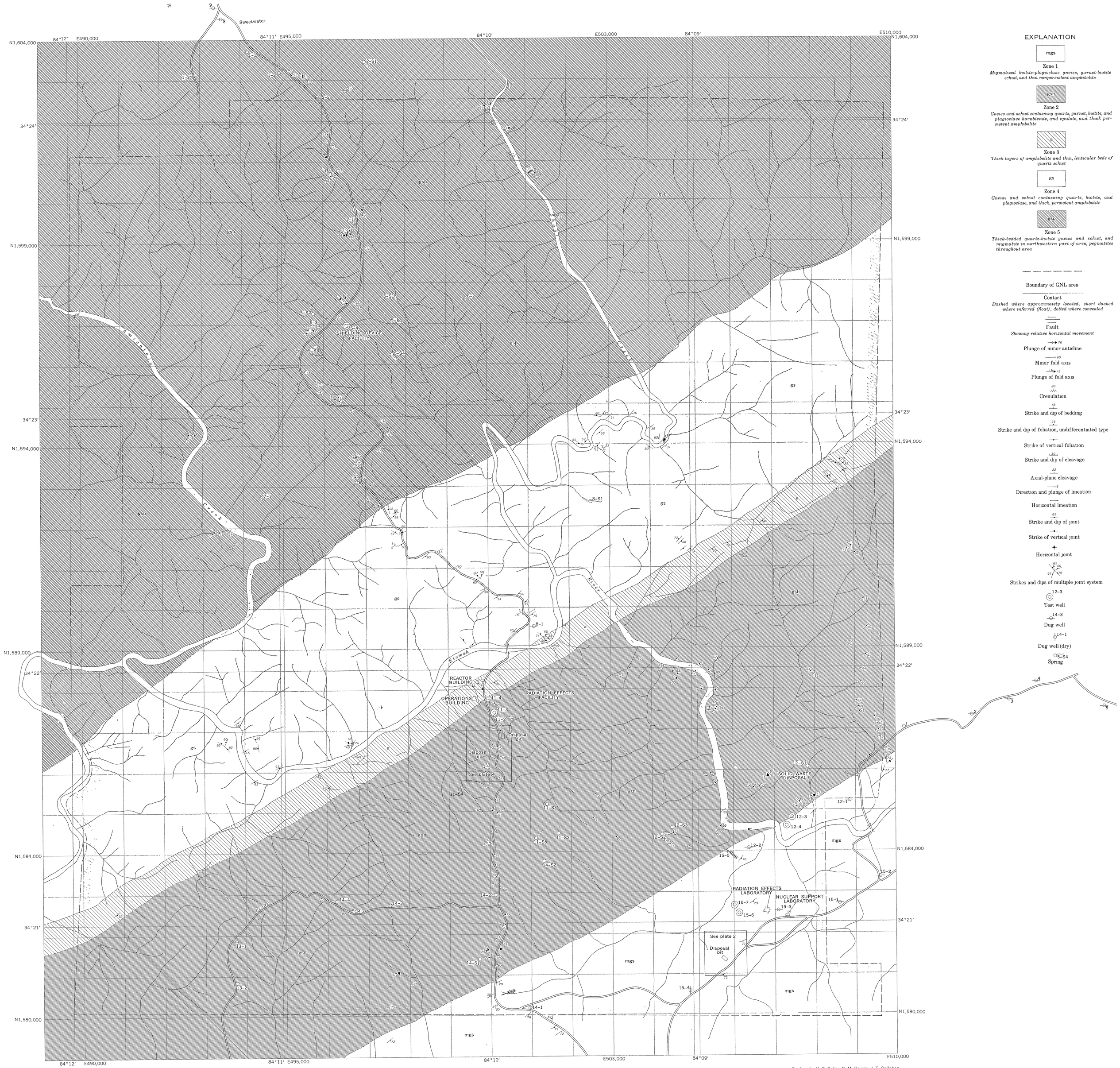

EXPLANATION

mgs
Zone 1
Migmatized biotite-plagioclase gneiss, garnet-biotite schist, and thin nonpersistent amphibolite

gsh
Zone 2
Gneiss and schist containing quartz, garnet, biotite, and plagioclase hornblende, and epidote, and thick persistent amphibolite

a
Zone 3
Thick layers of amphibolite and thin, lenticular beds of quartz schist

gs
Zone 4
Gneiss and schist containing quartz, biotite, and plagioclase, and thick, persistent amphibolite

gsp
Zone 5
Thick-bedded quartz-biotite gneiss and schist, and migmatite in northwestern part of area, pegmatites throughout area

Boundary of GNL area

Contact
Dashed where approximately located, short dashed where inferred (float), dotted where concealed

Fault
Showing relative horizontal movement

Plunge of minor anticline

Minor fold axis

Plunge of fold axis

Crenulation

Strike and dip of bedding

Strike and dip of foliation, undifferentiated type

Strike of vertical foliation

Strike and dip of cleavage

Axial-plane cleavage

Direction and plunge of lineation

Horizontal lineation

Strike and dip of joint

Strike of vertical joint

Horizontal joint

Strikes and dips of multiple joint system

Test well

Dug well

Dug well (dry)

Spring

Base by Lockheed Aircraft Corporation
Grid based on Georgia Geodetic grid
System (West Zone)

Geology by H E Cofer, B M Bowen, J T Callahan
and E S Santos, 1956–57

GEOLOGIC AND WELL-LOCATION MAP, GEORGIA NUCLEAR LABORATORY AREA, DAWSON COUNTY, GEORGIA

0 1000 2000 3000 4000 FEET

733-030 O - 64 (In pocket)