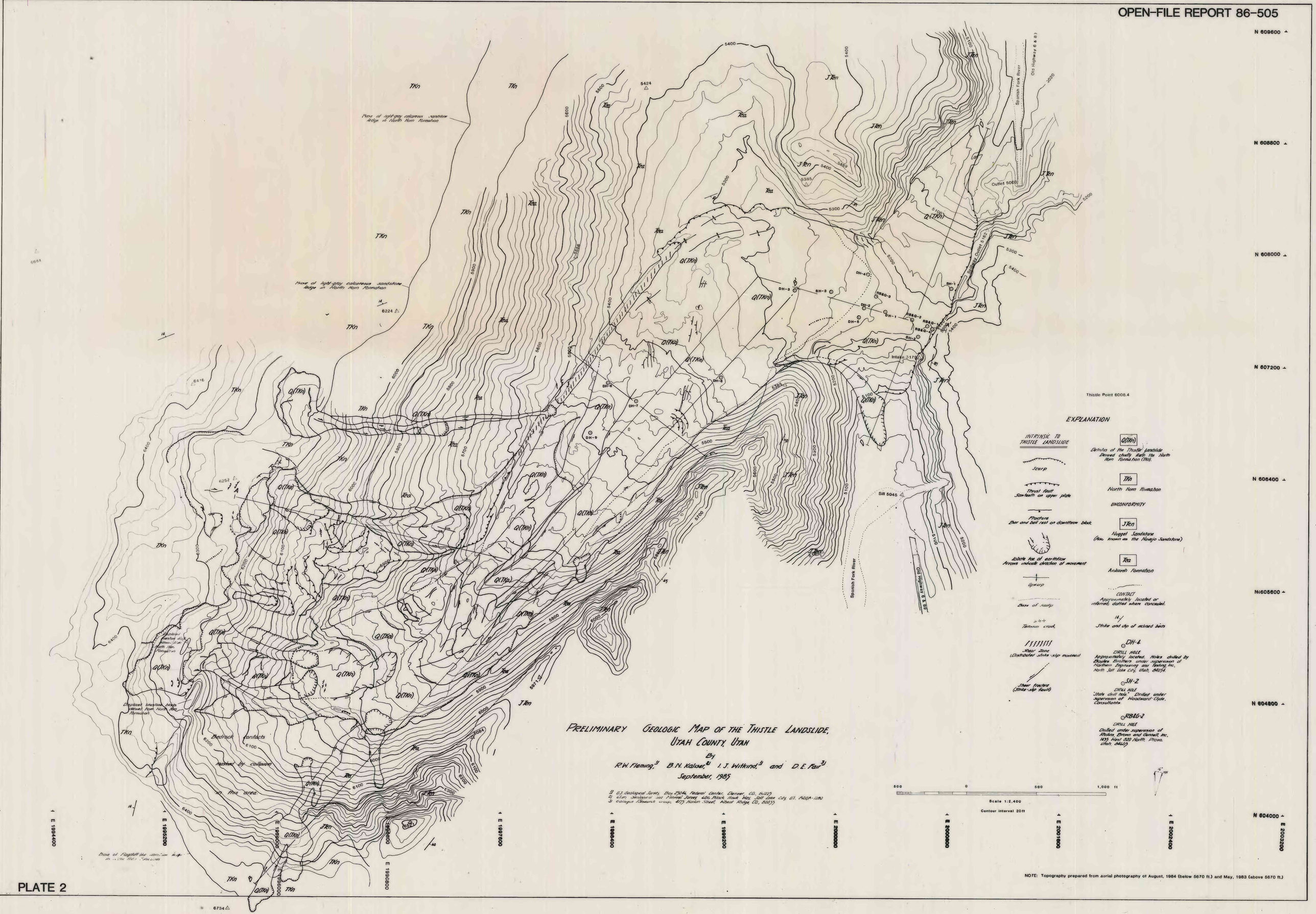
PRELIMINARY GEOLOGIC MAP OF THE THISTLE LANDSLIDE, UTAH COUNTY, UTAH
By
R.W. Fleming,[1] B.N. Kaliser,[2] I.J. Witkind,[1] and D.E. Fair[3]
September, 1985
1) U.S. Geological Survey, Box 25046, Federal Center, Denver, CO. 80225
2) Utah Geological and Mineral Survey, 606 Black Hawk Way, Salt Lake City, UT. 84108-1280
3) Colorado Research Group, 4175 Harlan Street, Wheat Ridge, CO. 80033
EXPLANATION
INTRINSIC TO THISTLE LANDSLIDE
Scarp
Thrust fault Sawteeth on upper plate
Fracture Bar and ball rest on downthrow block
Lobate toe of earthflow Arrows indicate direction of movement
Upwarp
Base of scarp
Tension crack
Shear Zone (Distributed strike-slip movement)
Shear fracture (Strike-slip fault)
Q(TKn) Detritus of the Thistle Landslide Derived chiefly from the North Horn Formation (TKn).
TKn North Horn Formation
UNCONFORMITY
JTRn Nugget Sandstone (Also known as the Navajo Sandstone)
TRa Ankareh Formation
CONTACT Approximately located or inferred; dotted where concealed.
Strike and dip of inclined beds
DH-4 DRILL HOLE Approximately located. Holes drilled by Boyles Brothers under supervision of Northern Engineering and Testing, Inc., North Salt Lake City, Utah, 84054.
SH-2 DRILL HOLE "State drill hole." Drilled under supervision of Woodward-Clyde, Consultants.
RB&G-2 DRILL HOLE Drilled under supervision of Rollins, Brown and Gunnell, Inc., 1435 West 820 North, Provo, Utah, 84603
Scale 1:2,400
Contour interval 20ft
Thistle Point 6008.4
Spanish Fork River
Old Highway 6 & 8
Outlet 5000
Spillway Outlet 5162
Intake 5179
Sill 5045
Bedrock contacts masked by colluvium in this area
Base of Flagstaff Ike Limestone Ledge in North Horn Formation
Displaced limestone beds derived from North Horn Formation
N 609600
N 608800
N 608000
N 607200
N 606400
N605600
N 604800
N 604000
E 1994400
E 1995200
E 1996000
E 1996800
E 1997600
E 1998400
E 1999200
E 2000000
E 2000800
E 2001600
E 2002400
E 2003200
NOTE: Topography prepared from aerial photography of August, 1984 (below 5670 ft.) and May, 1983 (above 5670 ft.)

PLATE 2