

EXPLANATION

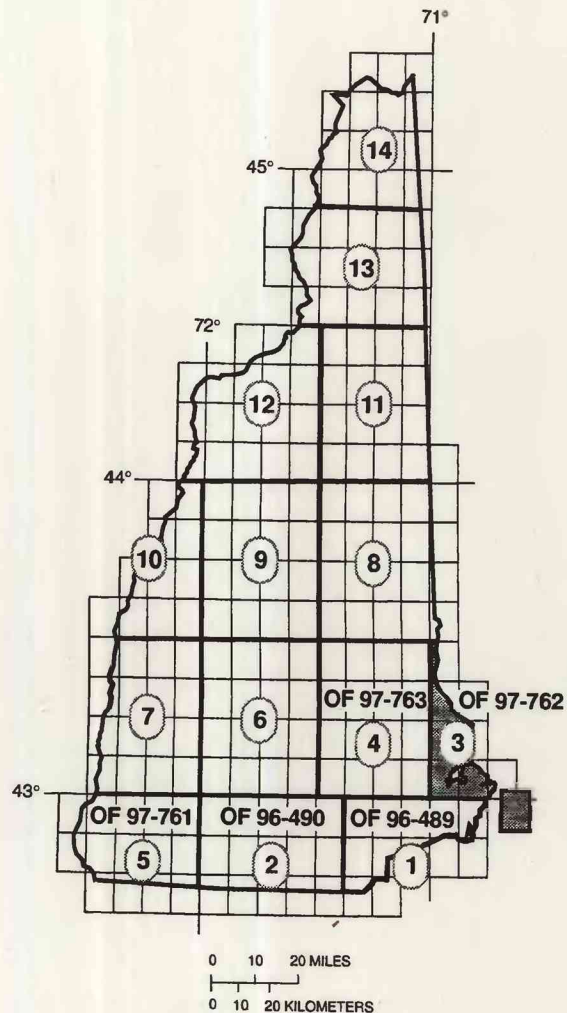
Lineaments shown here represent straight photolinear features that are likely to be the result of underlying zones of vertical or high-angle bedrock fractures and are not obviously related to other geologic or cultural features. Lineaments shown have been confirmed by two independent observers for each scale of imagery. U.S. Geological Survey Open-File Report 96-479 (Clark and others, 1996) describes the criteria and methods used to identify the lineaments shown in this map. Every effort was made to apply these criteria and assumptions in a uniform manner during a thorough examination of the mapped areas.

- Lineament observed by the use of low-altitude aerial photography having an approximate scale of 1:20,000. Location ±80 feet. See table 1 for photograph identification numbers
- Lineament observed by the use of high-altitude aerial photography having an approximate scale of 1:80,000. Location ±80 feet. See table 2 for photograph identification numbers
- Lineament observed by the use of side-looking airborne radar mosaic (far range), Portland, Maine, N.H.: U.S. Geological Survey, 1:250,000 scale. Location ±200 feet
- Lineament observed by the use of 1:1,000,000-scale Landsat imagery, band 7, image number 09470-107, obtained December 7, 1988. Location ±150 feet

Note: Additional lineaments that extend into this plate area will likely be identified as work progresses on adjacent map areas. These additions near the plate boundaries will be included on future interpretive maps and Geographic Information Systems (GIS) coverages.

REFERENCES CITED

- Clark, S.F., Jr., Ferguson, E.W., Picard, M.Z., and Moore, R.B., 1996, Lineament map of area 2 of the New Hampshire bedrock aquifer assessment, south-central New Hampshire: U.S. Geological Survey Open-File Report 96-490, scale 1:48,000.
- 1997, Lineament map of area 4 of the New Hampshire bedrock aquifer assessment, southeast-central New Hampshire: U.S. Geological Survey Open-File Report 97-763, scale 1:48,000.
- Clark, S.F., Jr., Moore, R.B., Ferguson, E.W., and Picard, M.Z., 1996, Criteria and methods for fracture-trace analysis of the New Hampshire bedrock aquifer: U.S. Geological Survey Open-File Report 96-479, 12 p.
- Ferguson, E.W., Clark, S.F., Jr., and Moore, R.B., 1996, Lineament map of area 1 of the New Hampshire bedrock aquifer assessment, southeastern New Hampshire: U.S. Geological Survey Open-File Report 96-489, scale 1:48,000.
- Ferguson, E.W., Clark, S.F., Jr., Picard, M.Z., and Moore, R.B., 1997, Lineament map of area 5 of the New Hampshire bedrock aquifer assessment, southwestern New Hampshire: U.S. Geological Survey Open-File Report 97-761, scale 1:48,000.



Index of New Hampshire showing plate areas, 7.5 x 7.5 minute topographic quadrangles, map area (shaded), and published Open-File Reports

Index of 7.5x7.5 minute topographic quadrangles, 1:24,000 scale

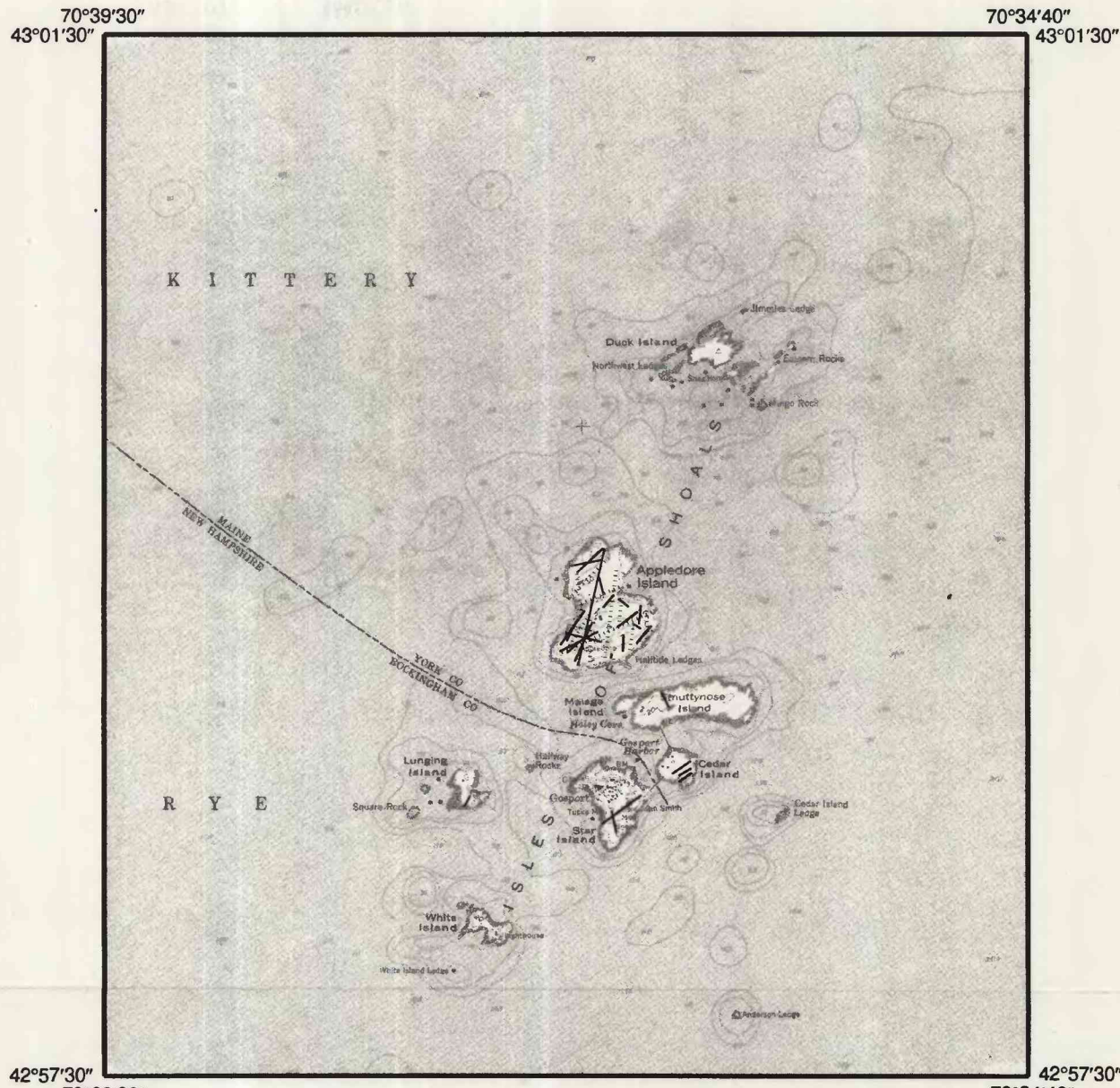
Milton, N.H.-Maine		
Rochester, N.H.-Maine	Somersworth, Maine-N.H.	
Dover West, N.H.	Dover East, Maine-N.H.	Isles of Shoals, Maine-N.H. (inset)
Newmarket, N.H.	Portsmouth, N.H.-Maine	Kittery, Maine-N.H.

Table 1. Identification numbers of low-altitude photographs from the National Aerial Photography Program (NAPP) indexed to the topographic quadrangles

Milton, Rochester, Dover West, and Newmarket quadrangles	Somersworth, Dover East, and Portsmouth quadrangles	Isles of Shoals (inset) and Kittery quadrangles
4551-022 4551-021 4551-020 4551-019 4551-018		
4551-018 4551-017 4551-016 4551-015 4551-014	4548-086 4548-085 4548-084 4548-083	4551-094 4548-092
4551-014 4551-013 4551-012 4551-011 4551-010	4548-083 4548-082 4548-081 4548-080 4548-079	4548-092 4548-093 4548-094 4551-104 4551-105 4551-106
4551-010 4551-009 4551-008 4551-007 4551-006	4548-079 4548-132 4548-133 4548-134 4548-135	4548-096 4548-097 4548-121 4548-120 4548-119 4548-118

Table 2. Identification numbers of high-altitude aerial photographs from the U.S. Geological Survey indexed to the topographic quadrangles

Milton, Rochester, Dover West, and Newmarket quadrangles	Somersworth, Dover East, and Portsmouth quadrangles	Isles of Shoals (inset) and Kittery quadrangles
GS-VDOF 1-4 GS-VDOF 1-3 GS-VDOF 1-2 GS-VDOF 1-1		
GS-VECR 1-44 GS-VECR 1-43 GS-VECR 1-42 GS-VECR 1-41	GS-VECR 1-42 GS-VECR 1-41	
GS-VECR 1-46 GS-VECR 1-47 GS-VECR 1-48	GS-VECR 1-38 GS-VECR 1-37	GS-VECR 3-2 GS-VECR 3-3 GS-VECR 3-4



SCALE 1:48,000  
0 1 2 3 MILES  
0 1 2 3 4 5 KILOMETERS  
CONTOUR INTERVAL 20 FEET; ROCHESTER QUADRANGLE 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1989

LINEAMENT MAP OF AREA 3 OF THE NEW HAMPSHIRE  
BEDROCK AQUIFER ASSESSMENT, EASTERN NEW HAMPSHIRE

By  
Eric W. Ferguson, Stewart F. Clark, Jr., M.Zoe Picard, and Richard Bridge Moore

1997

Base from digital raster graphic (DRG) images, U.S. Geological Survey  
Dover East, Maine-N.H., 1966, photorevised 1988; Dover West, 1966,  
photorevised 1993; Isles of Shoals, Maine-N.H., 1966, photorevised 1973;  
Kittery, Maine-N.H., 1966, photorevised 1989; Milton, N.H.-Maine,  
provisional edition 1983; Newmarket, 1966, photorevised 1988;  
Portsmouth, N.H.-Maine, 1966, photorevised 1993; Rochester, N.H.-Maine,  
provisional edition 1983; Somersworth, Maine-N.H., 1968, photorevised 1973;  
7.5x7.5 minute, 1:24,000 scale

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