

Index of New Hampshire showing plate areas,
7.5 x 15 minute topographic quadrangles, map
area (shaded), and published Open-File Reports

EXPLANATION

Lineaments shown here represent straight photolinear features that are likely to be the result of underlying zones of vertical or high-angle bedrock features and are not obviously related to other geologic or cultural features. Lineaments shown have been confirmed by two independent observations 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 on 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 180 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 180 feet. See table 2 for photograph identification numbers.
- Lineament observed by the use of side-looking airborne radar mosaic (for range), Giers Falls, N.Y., Vt., and N.H. U.S. Geological Survey, 1:250,000 scale. Location 1:200 feet.
- Lineament observed by the use of 1:1,000,000-scale Landsat imagery, band 7, image number 10057-004, obtained December 20, 1990. Location 1:150 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, south-central New Hampshire: U.S. Geological Survey Open-File Report 97-763, scale 1:48,000.
- 1998, Lineament map of area 6 of the New Hampshire bedrock aquifer assessment, central New Hampshire: U.S. Geological Survey Open-File Report 98-189, scale 1:48,000.
- Clark, S.F., Jr., Moore, R.B., Ferguson, E.W., and Picard, M.Z., 1996, Criteria and methods for fracture-line 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 96-486, scale 1:48,000.
- Ferguson, E.W., Clark, S.F., Jr., Picard, M.Z., and Moore, R.B., 1997a, Lineament map of area 3 of the New Hampshire bedrock aquifer assessment, eastern New Hampshire: U.S. Geological Survey Open-File Report 97-762, scale 1:48,000.
- 1997b, 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.
- Ferguson, E.W., Short, H.A., Clark, S.F., Jr., Mercoux, G.J., and Moore, R.B., 1998, Lineament map of area 8 of the New Hampshire bedrock aquifer assessment, northeast-central New Hampshire: U.S. Geological Survey Open-File Report 98-191, scale 1:48,000.

Index of 7.5x15 minute topographic quadrangles, 1:250,000 scale

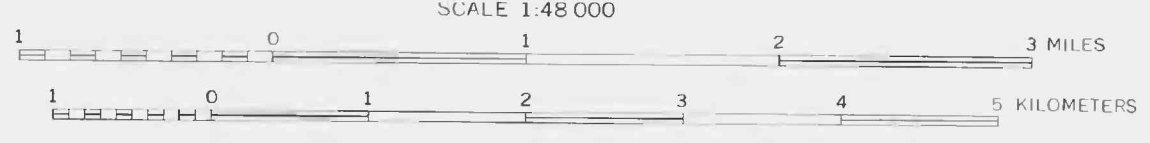
| | |
|--------------------------|-----------------------|
| Mount Acute, N.H.-Vt. | Surge, N.H. |
| Springfield, N.H.-Vt. | Newport, N.H. |
| Bellevue Falls, N.H.-Vt. | Lowell Mountain, N.H. |
| Walpole, N.H.-Vt. | Stockport, N.H. |

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

| Western half Mount Acute, Springfield, Bellevue Falls, and Walpole quadrangles | Eastern half Mount Acute, Springfield, Bellevue Falls, and Walpole quadrangles | Western half Surge, Newport, Lowell Mountain, and Stockport quadrangles | Eastern half Surge, Newport, Lowell Mountain, and Stockport quadrangles |
|--|--|---|---|
| 4549-067 4549-068 4549-069 4549-070 4549-071 | 4549-100 4549-118 4549-139 4549-140 4549-141 | 4549-166 4549-165 4549-164 4549-163 4549-162 | 4553-072 4549-210 4553-070 4549-209 4557-132 |
| 4549-071 4549-072 4549-073 4549-074 4549-075 | 4549-116 4549-115 4549-114 4549-113 4549-112 | 4549-161 4549-160 4549-159 4549-158 4549-157 | 4557-131 4557-130 4557-129 4557-128 4557-127 |
| 4549-049 4549-048 4549-047 4549-046 4549-045 | 4549-076 4549-075 4549-074 4549-073 4549-072 | 4549-156 4549-155 4549-154 4549-153 4549-152 | 4557-126 4557-125 4557-124 4557-123 4557-122 |
| 4549-045 4549-044 4549-043 4549-042 4549-041 | 4549-079 4549-080 4549-081 4549-082 4549-083 | 4549-149 4549-148 4549-147 4549-146 4549-145 | 4559-006 4559-005 4559-004 4559-003 4559-002 |

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

| Western half Mount Acute, Springfield, Bellevue Falls, and Walpole quadrangles | Eastern half Mount Acute, Springfield, Bellevue Falls, and Walpole quadrangles | Western half Surge, Newport, Lowell Mountain, and Stockport quadrangles | Eastern half Surge, Newport, Lowell Mountain, and Stockport quadrangles |
|--|--|---|---|
| GS-VISOC 1-23 GS-VISOC 1-22 GS-VISOC 1-21 GS-VISOC 1-20 | GS-VISOC 6-22 GS-VISOC 6-21 GS-VISOC 6-20 GS-VISOC 6-19 | GS-VISOC 6-5 GS-VISOC 6-4 GS-VISOC 6-3 GS-VISOC 6-2 | GS-VISOC 3-5 GS-VISOC 3-4 GS-VISOC 3-3 GS-VISOC 3-2 |
| GS-VISOC 1-18 GS-VISOC 1-17 GS-VISOC 1-16 | GS-VISOC 6-18 GS-VISOC 6-17 GS-VISOC 6-16 | GS-VISOC 6-1 GS-VISOC 6-10 GS-VISOC 6-11 | GS-VISOC 3-1 GS-VISOC 3-10 GS-VISOC 3-11 |



LINEAMENT MAP OF AREA 7 OF THE NEW HAMPSHIRE BEDROCK AQUIFER ASSESSMENT, WEST-CENTRAL NEW HAMPSHIRE

By
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1998

Base from digital raster graphic (DRG) images, U.S. Geological Survey
Bellevue Falls, Vt.-N.H., provisional edition, 1985; Lowell Mountain,
Mount Acute, Vt.-N.H., Newport, Springfield, Vt.-N.H., Stockport, and Surge,
provisional edition, 1986; Walpole, N.H.-Vt., provisional edition, 1985;
7.5x15 minute, 1:250,000 scale

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