U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER DIVISION

OPEN-FILE REPORT 99-91
Ferguson, E.W., Marcoux, G.J., Degnan, J.R., Clark, S.F., Jr., and Moore, R.B., 1999
Lineament map area 14 of New Hampshire bedrock aquifer assessment, northernmost New Hampshire

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), Lewiston, Maine, N.H., and Vt. and Sherbrooke, Canada, Maine, N.H., and Vt.: U.S. Geological Survey, 1:250,000 scale. Location ±200 feet

wwwwwww Lineament observed by the use of 1:250,000-scale Landsat imagery, band 7, image number 10054-109, obtained December 20, 1990. Location ±150 feet

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Index of 7.5X7.5 minute topographic quadrangles, 1:24,000 scale

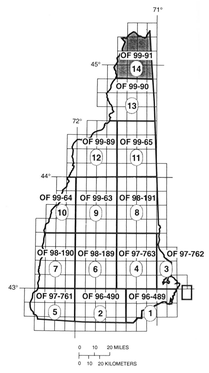
		Greeley Brook, N.H.-Quebec	Prospect Hill, N.H.-Quebec	Moose Bog, Maine-Quebec-N.H.
	Metallak Mountain, N.H.-Quebec	Cowen Hill, N.H.-Quebec	Second Connecticut Lake, N.H.-Quebec	Rump Mountain, Maine-N.H.
	Pittsburg, N.H.-Quebec-Vt.	Lake Francis	Magalloway Mtn.	Bosebuck Mountain, Maine-N.H.
Monadnock Mountain, Vt.-N.H.	Lovering Mountain, N.H.-Vt.	Diamond Pond	Mount Pisgah	Wilsons Mills, N.H.-Maine

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

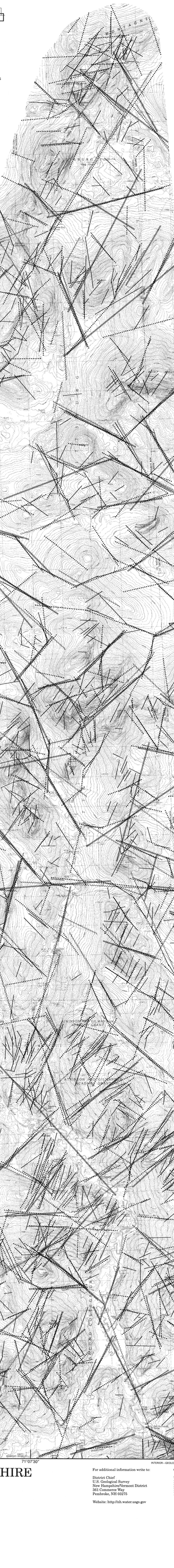
Monadnock Mountain quadrangle	Metallak Mountain, Pittsburg, and Lovering Mountain quadrangles		Greeley Brook, Cowen Hill, Lake Francis, and Diamond Pond quadrangles		Prospect Hill, Second Connecticut Lake, Magalloway Mountain, and Mount Pisgah quadrangles		Moose Bog, Rump Mountain, Bosebuck Mountain, and Wilsons Mills quadrangles	
				4556-192			4555-047	
			4561-035	4556-193	4556-001		4555-048	
			4556-098	4556-194	4556-002		4555-049	
		4556-190	4556-098	4556-194	4556-002	4555-087	4555-049	
		4556-189	4556-097	4556-195	4556-003	4555-086	4555-050	
		4556-188	4556-096	4556-196	4556-004	4555-085	4555-051	
		4556-187	4556-095	4556-197	4556-005	4555-084	4555-052	
		4556-186	4556-094	4556-198	4556-006	4555-083	4555-053	
	4556-101	4556-186	4556-094	4556-198	4556-006	4555-083	4555-053	
	4556-102	4556-185	4556-093	4556-199	4556-007	4555-082	4555-054	
	4556-103	4556-184	4556-092	4556-200	4556-008	4555-081	4555-055	
	4556-104	4556-183	4556-091	4556-201	4556-009	4555-080	4555-056	
	4556-105	4556-182	4556-090	4556-202	4556-010	4555-079	4555-057	
4560-072	4556-105	4556-182	4556-090	4556-202	4556-010	4555-079	4555-057	4555-033
4560-073	4556-106	4556-181	4556-089	4556-203	4556-011	4555-078	4555-058	4555-032
4560-074	4556-107	4556-180	4556-088	4556-204	4556-012	4555-077	4555-059	4555-031
4560-075	4556-108	4556-179	4556-087	4556-205	4556-013	4555-076	4555-060	4555-030
4560-076	4556-109	4556-178	4556-086	4556-206	4556-014	4555-075	4555-061	4555-029

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

Mondanock Mountain quadrangle	Metallak Mountain, Pittsburg, and Lovering Mountain quadrangles	Greeley Brook, Cowen Hill, Lake Francis, and Diamond Pond quadrangles	Prospect Hill, Second Connecticut Lake, Magalloway Mtn., and Mount Pisgah quadrangles	Moose Bog, Rump Mountain, Bosebuck Mountain, and Wilson Mills quadrangles
		HAP 84 264-160		GS-VDWA 3-181
		HAP 84 264-161	GS-VDWA 3-215	GS-VDWA 3-183
	GS-VDWA 3-178	GS-VDWA 5-10	GS-VDWA 3-215	GS-VDWA 3-183
	GS-VDWA 3-176	GS-VDWA 5-11	GS-VDWA 3-214	GS-VDWA 3-184
	GS-VDWA 3-175	GS-VDWA 5-13	GS-VDWA 3-212	GS-VDWA 3-185
	GS-VDWA 3-175	GS-VDWA 5-13	GS-VDWA 3-212	GS-VDWA 3-185
	GS-VDWA 3-174	GS-VDWA 5-15	GS-VDWA 3-211	GS-VDWA 3-186
	GS-VDWA 3-173	GS-VDWA 5-16	GS-VDWA 3-210	GS-VDWA 3-188
GS-VDWA 3-172	GS-VDWA 3-173	GS-VDWA 5-16	GS-VDWA 3-210	GS-VDWA 3-188
HAP 84 266-142	GS-VDWA 3-172	GS-VDWA 5-17	GS-VDWA 3-207	GS-VDWA 5-5
	GS-VDWA 3-171	GS-VDWA 5-18	GS-VDWA 3-206	GS-VDWA 7-2



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



71°30′ — 71°22′30″ — 71°15′ — 71°07′30″
45°15′ — 45°07′30″ — 45° — 44°52′30″

SCALE 1:48 000
1 .5 0 1 2 3 4 5 6 KILOMETERS
1 ½ 0 1 2 3 MILES

CONTOUR INTERVAL 20 FEET, 25 FEET IN CANADA
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base from digital raster graphic (DRG) images, U.S. Geological Survey
Sherbrooke, N.H.-Maine-Vt.-Quebec, 1986;
30×60 minute, 1:100,000 scale
Bosebuck Mountain, Maine-N.H., Cowen Hill, N.H.-Quebec, Diamond Pond, N.H., Greeley Brook, N.H.-Quebec, Lake Francis, N.H., Lovering Mountain, N.H.-Vt., Magalloway Mtn., N.H., Metallak Mountain, N.H.-Quebec, Monadnock Mountain, Vt.-N.H., Moose Bog, Maine-Quebec-N.H., Mount Pisgah, N.H., Pittsburg, N.H.-Quebec-Vt., Prospect Hill, N.H.-Quebec, Rump Mountain, Maine-N.H., Second Connecticut Lake, N.H.-Quebec, and Wilsons Mills, N.H.-Maine, provisional edition, 1989;
7.5×7.5 minute, 1:24,000 scale

LINEAMENT MAP OF AREA 14 OF THE NEW HAMPSHIRE BEDROCK AQUIFER ASSESSMENT, NORTHERNMOST NEW HAMPSHIRE

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1999

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