



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 98-479 (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 1:250,000. Location  $\pm 80$  feet. See table 1 for photograph identification numbers.

..... Lineament observed by the use of high-altitude aerial photography having an approximate scale of 1:500,000. Location  $\pm 160$  feet. See table 2 for photograph identification numbers.

~~~~~ Lineament observed by the use of side-looking airborne radar mosaic (for range), Portland, Maine and R.H. U.S. Geological Survey, 1:250,000 scale. Location  $\pm 200$  feet.

===== Lineament observed by the use of 1:100,000-scale Landsat imagery, band 7, image numbers 09470-107 and 10333-126, obtained December 7, 1988, and January 1, 1992. Location  $\pm 150$  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 96-480, 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 97-755, 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 98-190, 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.

Clark, S.F., Jr., Short, H.A., Ferguson, E.W., and Moore, R.B., 1998, Lineament map of area 7 of the New Hampshire bedrock aquifer assessment, west-central New Hampshire: U.S. Geological Survey Open-File Report 98-190, scale 1:48,000.

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., 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.

| Index of 7.5x7.5 minute topographic quadrangles, 1:24,000 scale         |                                                                    |                                                               |                                                        |                                                                         |          |          |          |          |  |
|-------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------|----------|----------|----------|----------|--|
| Mount Tripyram, Center Sandwich, Center Harbor, and Lacombe quadrangles | Mount Chocoma, Tarrmouth, Main Village, and West Allen quadrangles | Silver Lake, Ossipee Lake, Tuffboro, and Wolfboro quadrangles | Conway, Freedom, Ossipee, and Sanbornville quadrangles | Brownfield, Kears Falls, West Newfield, and Great East Lake quadrangles |          |          |          |          |  |
| 4556-137                                                                | 4556-130                                                           | 4556-058                                                      | 4556-001                                               | 4547-047                                                                | 4547-046 | 4551-133 | 4556-230 | 4551-038 |  |
| 4556-138                                                                | 4556-149                                                           | 4556-057                                                      | 4556-043                                               | 4547-048                                                                | 4547-045 | 4551-134 | 4551-044 | 4551-037 |  |
| 4556-139                                                                | 4556-148                                                           | 4556-056                                                      | 4556-042                                               | 4547-049                                                                | 4547-044 | 4551-135 | 4551-045 | 4551-036 |  |
| 4556-140                                                                | 4556-147                                                           | 4556-055                                                      | 4556-041                                               | 4547-050                                                                | 4547-043 | 4551-136 | 4551-046 | 4551-035 |  |
| 4556-141                                                                | 4551-137                                                           | 4556-054                                                      | 4556-040                                               | 4547-051                                                                | 4547-042 | 4551-137 | 4551-047 | 4551-034 |  |

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

| Mount Tripyram,<br>Center Sandwich,<br>Center Harbor, and<br>Lacombe<br>quadrangles | Mount Chocoma,<br>Tarrmouth, Main<br>Village, and<br>West Allen<br>quadrangles | Silver Lake,<br>Ossipee Lake,<br>Tuffboro, and<br>Wolfboro<br>quadrangles | Conway,<br>Freedom, Ossipee,<br>and Sanbornville<br>quadrangles | Brownfield,<br>Kears Falls,<br>West Newfield, and<br>Great East Lake<br>quadrangles |          |          |          |          |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|----------|----------|
| 4556-137                                                                            | 4556-130                                                                       | 4556-058                                                                  | 4556-001                                                        | 4547-047                                                                            | 4547-046 | 4551-133 | 4556-230 | 4551-038 |
| 4556-138                                                                            | 4556-149                                                                       | 4556-057                                                                  | 4556-043                                                        | 4547-048                                                                            | 4547-045 | 4551-134 | 4551-044 | 4551-037 |
| 4556-139                                                                            | 4556-148                                                                       | 4556-056                                                                  | 4556-042                                                        | 4547-049                                                                            | 4547-044 | 4551-135 | 4551-045 | 4551-036 |
| 4556-140                                                                            | 4556-147                                                                       | 4556-055                                                                  | 4556-041                                                        | 4547-050                                                                            | 4547-043 | 4551-136 | 4551-046 | 4551-035 |
| 4556-141                                                                            | 4551-137                                                                       | 4556-054                                                                  | 4556-040                                                        | 4547-051                                                                            | 4547-042 | 4551-137 | 4551-047 | 4551-034 |
| 4556-142                                                                            | 4551-136                                                                       | 4556-053                                                                  | 4556-039                                                        | 4547-052                                                                            | 4547-041 | 4551-138 | 4551-048 | 4551-033 |
| 4556-143                                                                            | 4551-135                                                                       | 4556-052                                                                  | 4556-038                                                        | 4547-053                                                                            | 4547-040 | 4551-139 | 4551-049 | 4551-032 |
| 4556-144                                                                            | 4551-134                                                                       | 4556-051                                                                  | 4556-037                                                        | 4547-054                                                                            | 4547-039 | 4551-140 | 4551-050 | 4551-031 |
| 4550-014                                                                            | 4551-133                                                                       | 4547-125                                                                  | 4556-036                                                        | 4550-031                                                                            | 4547-038 | 4551-141 | 4551-051 | 4551-030 |
| 4550-015                                                                            | 4551-132                                                                       | 4547-124                                                                  | 4556-035                                                        | 4550-030                                                                            | 4547-037 | 4551-142 | 4551-052 | 4551-029 |
| 4550-016                                                                            | 4551-131                                                                       | 4547-123                                                                  | 4556-034                                                        | 4550-029                                                                            | 4547-036 | 4551-143 | 4551-053 | 4551-028 |
| 4550-017                                                                            | 4551-130                                                                       | 4547-122                                                                  | 4556-033                                                        | 4550-028                                                                            | 4547-035 | 4551-144 | 4551-054 | 4551-027 |
| 4550-018                                                                            | 4551-129                                                                       | 4547-121                                                                  | 4550-027                                                        | 4547-034                                                                            | 4551-145 | 4551-055 | 4551-055 | 4551-026 |
| 4550-019                                                                            | 4551-128                                                                       | 4547-120                                                                  | 4547-026                                                        | 4547-033                                                                            | 4551-146 | 4551-056 | 4551-056 | 4551-025 |
| 4550-020                                                                            | 4551-127                                                                       | 4547-119                                                                  | 4547-025                                                        | 4547-032                                                                            | 4551-147 | 4551-057 | 4551-057 | 4551-024 |
| 4550-021                                                                            | 4551-126                                                                       | 4547-118                                                                  | 4547-024                                                        | 4547-031                                                                            | 4551-148 | 4551-058 | 4551-058 | 4551-023 |
| 4550-022                                                                            | 4551-125                                                                       | 4547-117                                                                  | 4547-023                                                        | 4547-030                                                                            | 4551-149 | 4551-059 | 4551-059 | 4551-022 |

| Mount Tripyram, Center Sandwich, Center Harbor, and Lacombe quadrangles | Mount Chocoma, Tarrmouth, Main Village, and West Allen quadrangles | Silver Lake, Ossipee Lake, Tuffboro, and Wolfboro quadrangles | Conway, Freedom, Ossipee, and Sanbornville quadrangles | Brownfield, Kears Falls, West Newfield, and Great East Lake quadrangles |
|-------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------|
| GS-VDOF 1-43                                                            | GS-VDOF 1-73                                                       | GS-VDOF 1-18                                                  | GS-VDOF 1-84                                           | GS-VDOF 1-85                                                            |
| GS-VDOF 1-42                                                            | GS-VDOF 1-72                                                       | GS-VDOF 1-19                                                  | GS-VDOF 1-83                                           | GS-VDOF 1-86                                                            |
| GS-VDOF 1-41                                                            | GS-VDOF 1-71                                                       | GS-VDOF 1-20                                                  | GS-VDOF 1-82                                           | GS-VDOF 1-87                                                            |
| GS-VDOF 1-40                                                            | GS-VDOF 1-70                                                       | GS-VDOF 1-21                                                  | GS-VDOF 1-81                                           | GS-VDOF 1-88                                                            |
| GS-VDOF 1-39                                                            | GS-VDOF 1-69                                                       | GS-VDOF 1-22                                                  | GS-VDOF 1-80                                           | GS-VDOF 1-89                                                            |
| GS-VDOF 1-38                                                            | GS-VDOF 1-68                                                       | GS-VDOF 1-23                                                  | GS-VDOF 1-79                                           | GS-VDOF 1-90                                                            |
| GS-VDOF 1-37                                                            | GS-VDOF 1-67                                                       | GS-VDOF 1-24                                                  | GS-VDOF 1-78                                           | GS-VDOF 1-91                                                            |
| GS-VDOF 1-36                                                            | GS-VDOF 1-66                                                       | GS-VDOF 1-25                                                  | GS-VDOF 1-77                                           | GS-VDOF 1-92                                                            |
| GS-VDOF 1-35                                                            | GS-VDOF 1-65                                                       | GS-VDOF 1-26                                                  | GS-VDOF 1-76                                           | GS-VDOF 1-93                                                            |
| GS-VDOF 1-34                                                            | GS-VDOF 1-64                                                       | GS-VDOF 1-27                                                  | GS-VDOF 1-75                                           | GS-VDOF 1-94                                                            |

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

| Mount Tripyram, Center Sandwich, Center Harbor, and Lacombe quadrangles | Mount Chocoma, Tarrmouth, Main Village, and West Allen quadrangles | Silver Lake, Ossipee Lake, Tuffboro, and Wolfboro quadrangles | Conway, Freedom, Ossipee, and Sanbornville quadrangles | Brownfield, Kears Falls, West Newfield, and Great East Lake quadrangles |
|-------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------|
| GS-VDOF 1-43                                                            | GS-VDOF 1-73                                                       | GS-VDOF 1-18                                                  | GS-VDOF 1-84                                           | GS-VDOF 1-85                                                            |
| GS-VDOF 1-42                                                            | GS-VDOF 1-72                                                       | GS-VDOF 1-19                                                  | GS-VDOF 1-83                                           | GS-VDOF 1-86                                                            |
| GS-VDOF 1-41                                                            | GS-VDOF 1-71                                                       | GS-VDOF 1-20                                                  | GS-VDOF 1-82                                           | GS-VDOF 1-87                                                            |
| GS-VDOF 1-40                                                            | GS-VDOF 1-70                                                       | GS-VDOF 1-21                                                  | GS-VDOF 1-81                                           | GS-VDOF 1-88                                                            |
| GS-VDOF 1-39                                                            | GS-VDOF 1-69                                                       | GS-VDOF 1-22                                                  | GS-VDOF 1-80                                           | GS-VDOF 1-89                                                            |
| GS-VDOF 1-38                                                            | GS-VDOF 1-68                                                       | GS-VDOF 1-23                                                  | GS-VDOF 1-79                                           | GS-VDOF 1-90                                                            |
| GS-VDOF 1-37                                                            | GS-VDOF 1-67                                                       | GS-VDOF 1-24                                                  | GS-VDOF 1-78                                           | GS-VDOF 1-91                                                            |
| GS-VDOF 1-36                                                            | GS-VDOF 1-66                                                       | GS-VDOF 1-25                                                  | GS-VDOF 1-77                                           | GS-VDOF 1-92                                                            |
| GS-VDOF 1-35                                                            | GS-VDOF 1-65                                                       | GS-VDOF 1-26                                                  | GS-VDOF 1-76                                           | GS-VDOF 1-93                                                            |
| GS-VDOF 1-34                                                            | GS-VDOF 1-64                                                       | GS-VDOF 1-27                                                  | GS-VDOF 1-75                                           | GS-VDOF 1-94                                                            |

