

European impacts on the Seacow River valley
and its hunter-gatherer inhabitants,
AD. 1770 - 1900

Dennis E. Neville

VOLUME 2 — FIGURES

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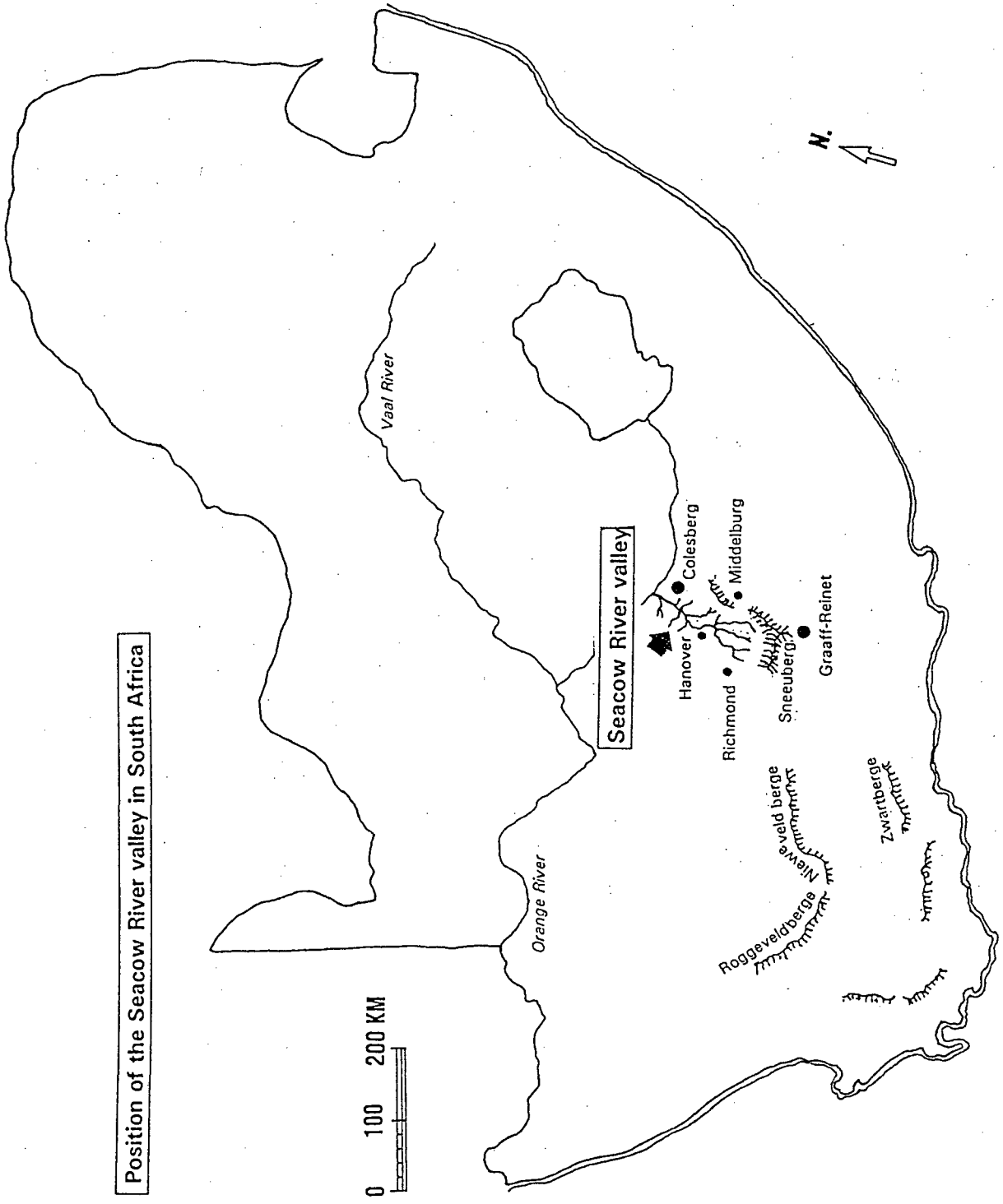


FIGURE 1-1: The position of the Seacow River valley in Southern Africa - showing the major towns surrounding the valley.

Position of the nine excavated rock shelters
in the Seacow River valley

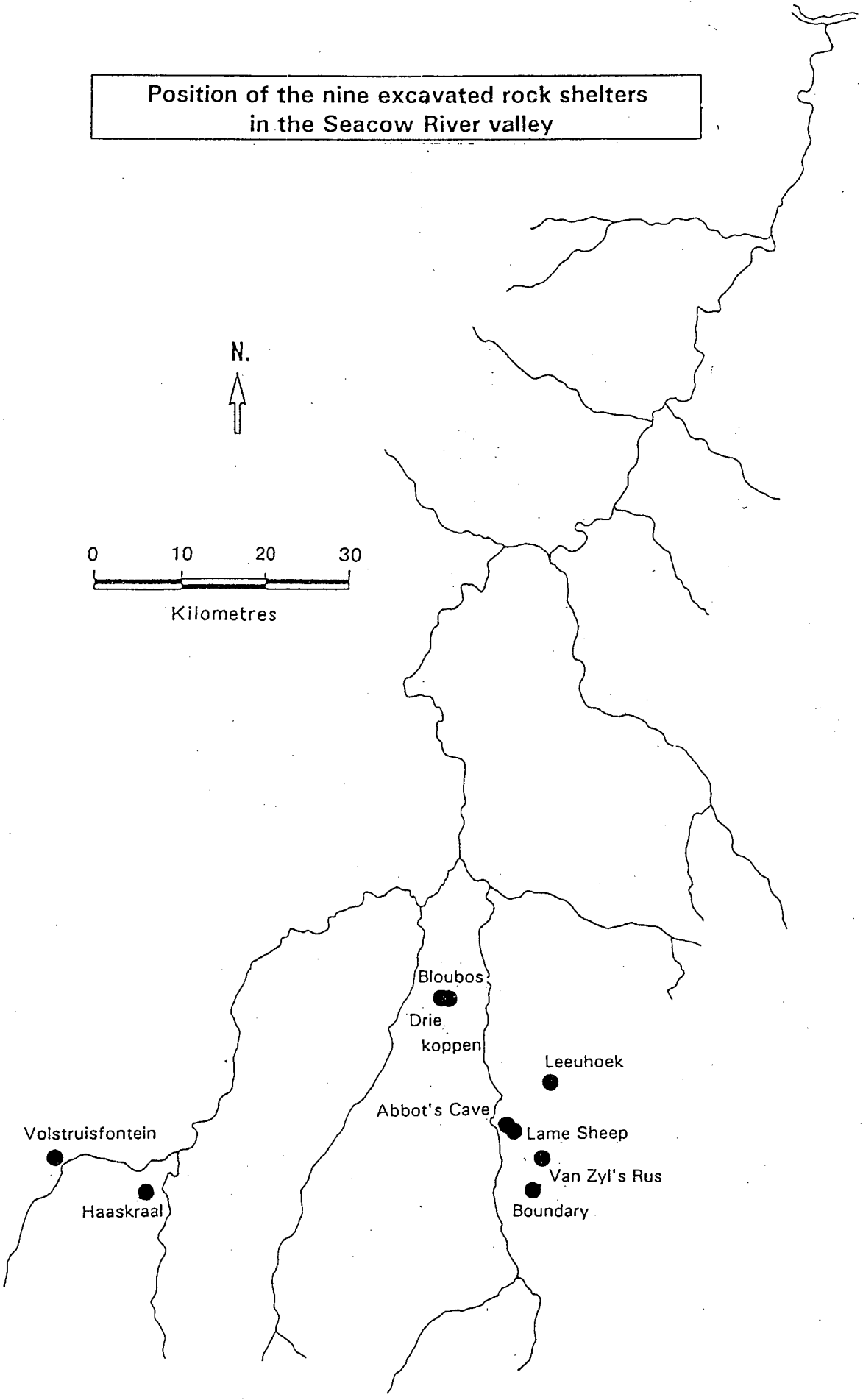


FIGURE 1-2: Position of nine excavated rockshelters in the Seacow River valley.

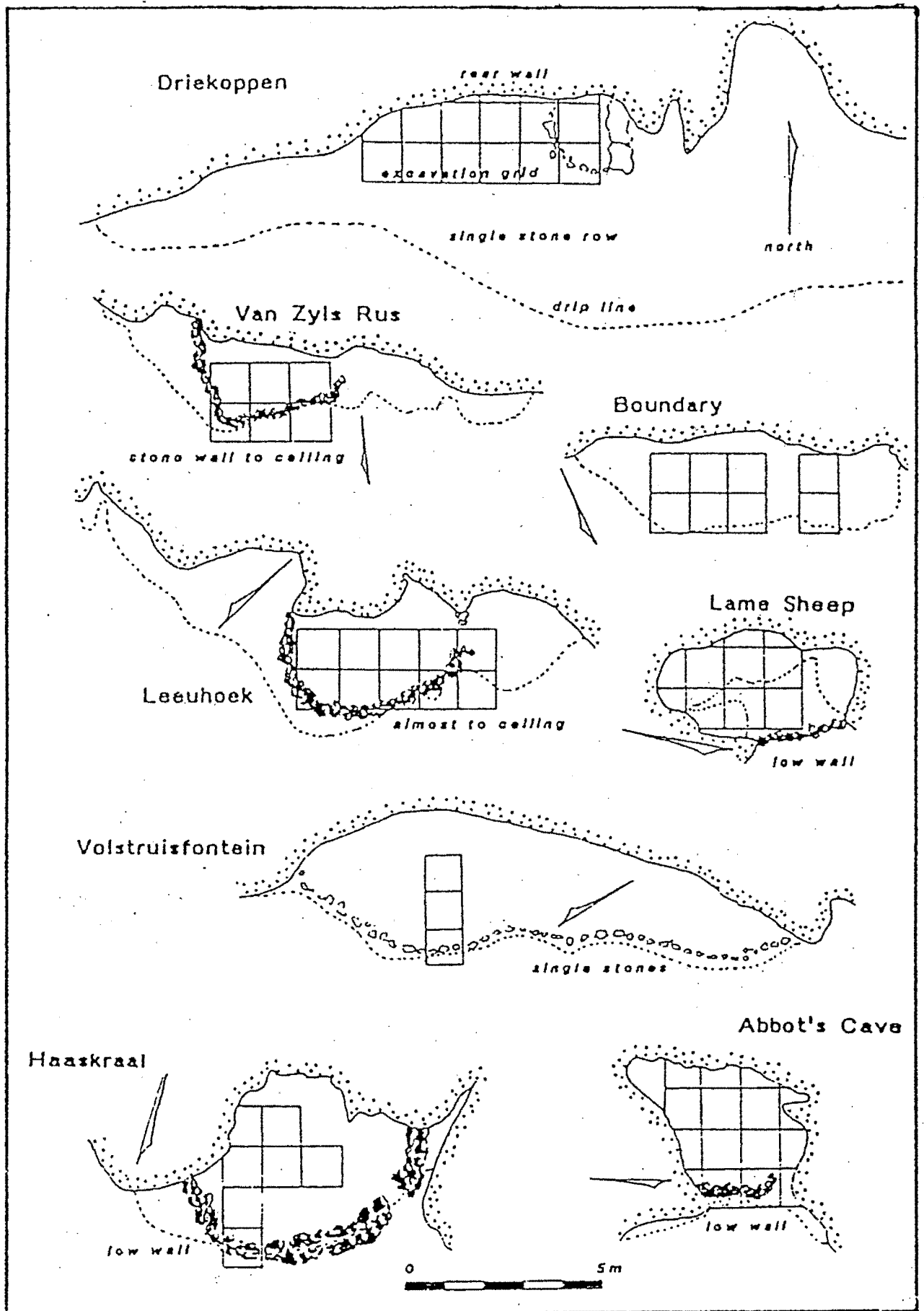


FIGURE 1-3: Floor plans of eight of the nine excavated rock shelters showing historical stone walling (black) in relation to other features (from Voigt et al. 1995: Fig. 2).

Volstruisfontein

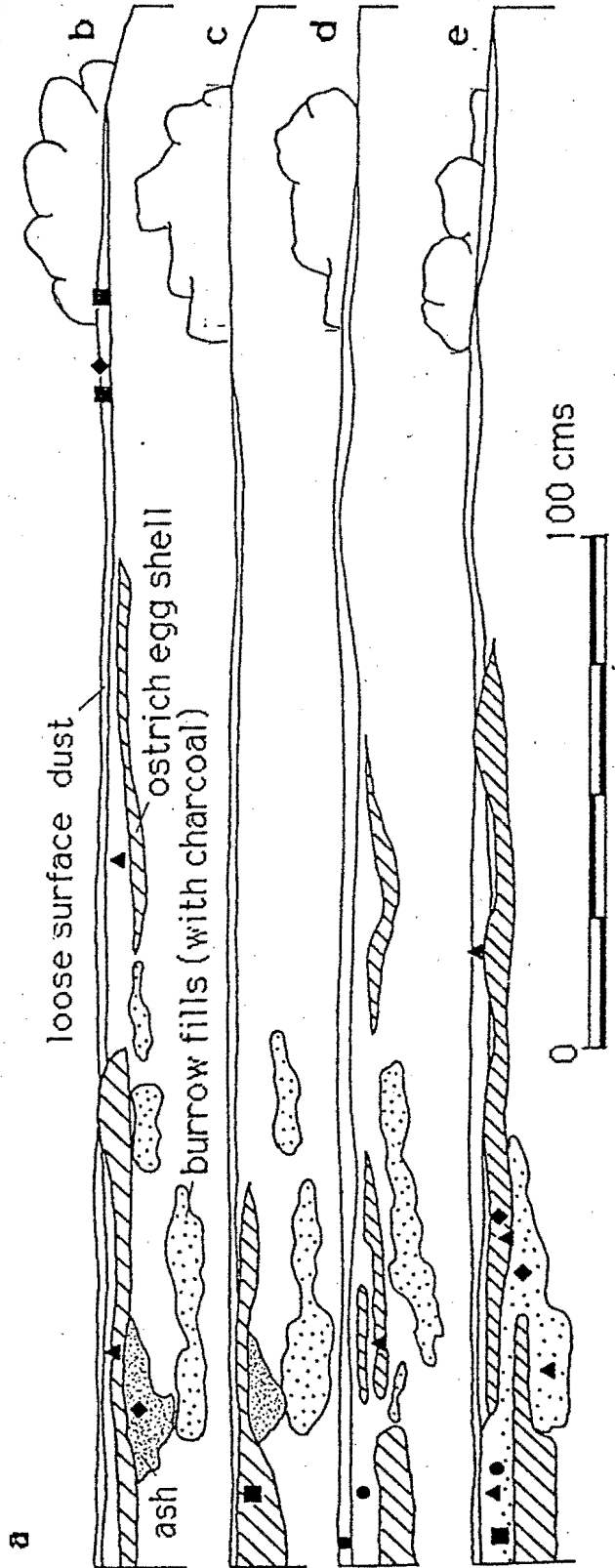
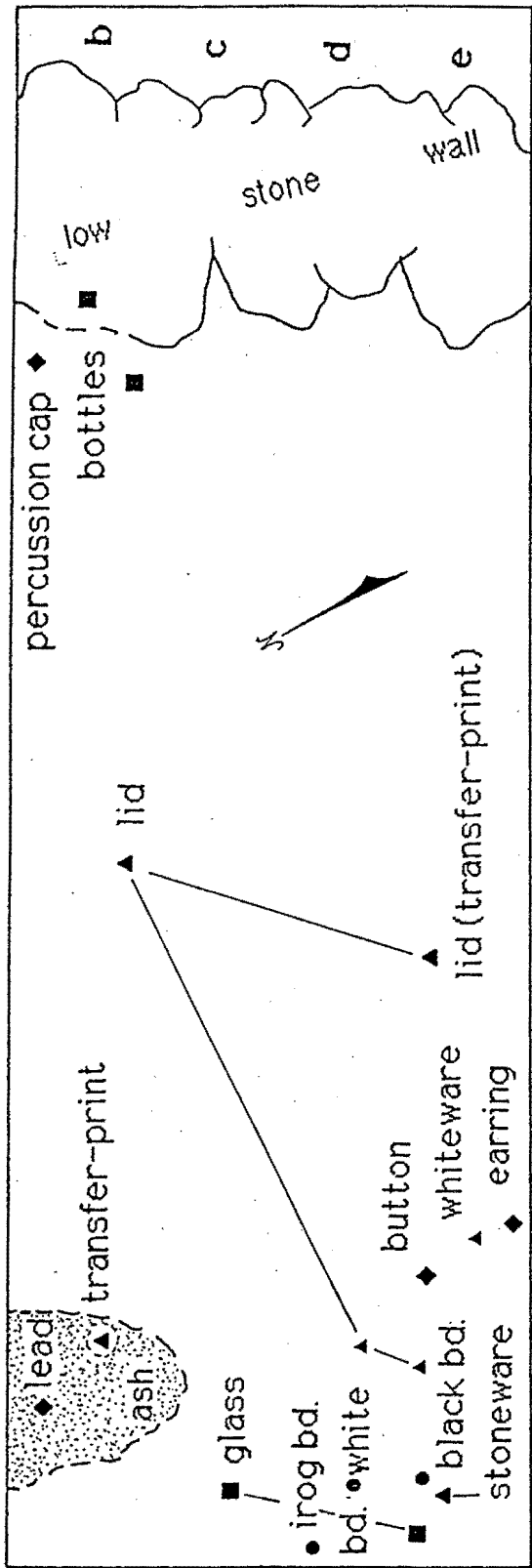


FIGURE 1-4: Stratigraphic floorplan and profile of Volstruisfontein Rock shelter showing artifacts of European origin.

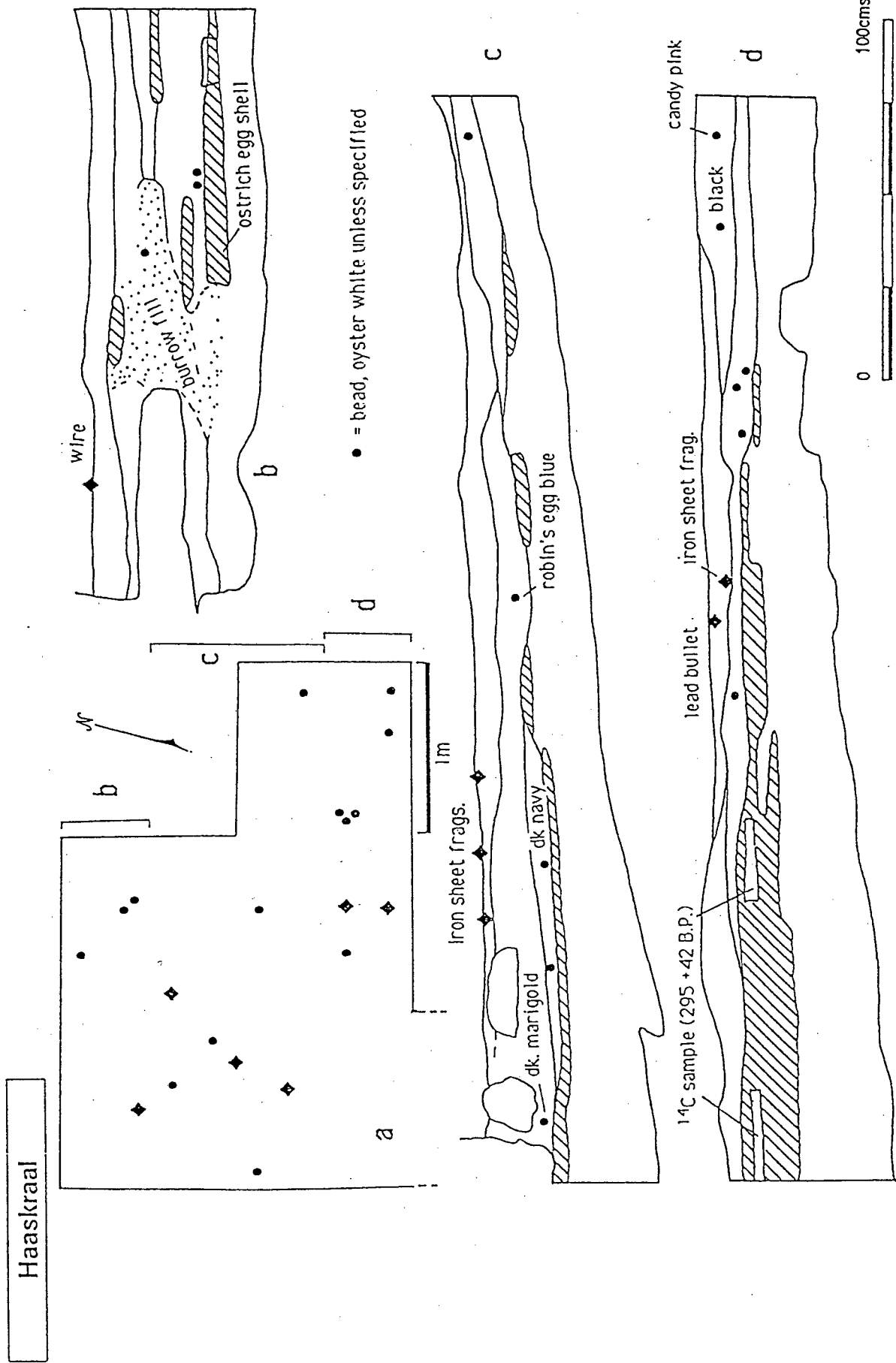


FIGURE 1-5: Stratigraphic floorplan and profile of Haaskraal rock shelter showing artifacts of European origin.

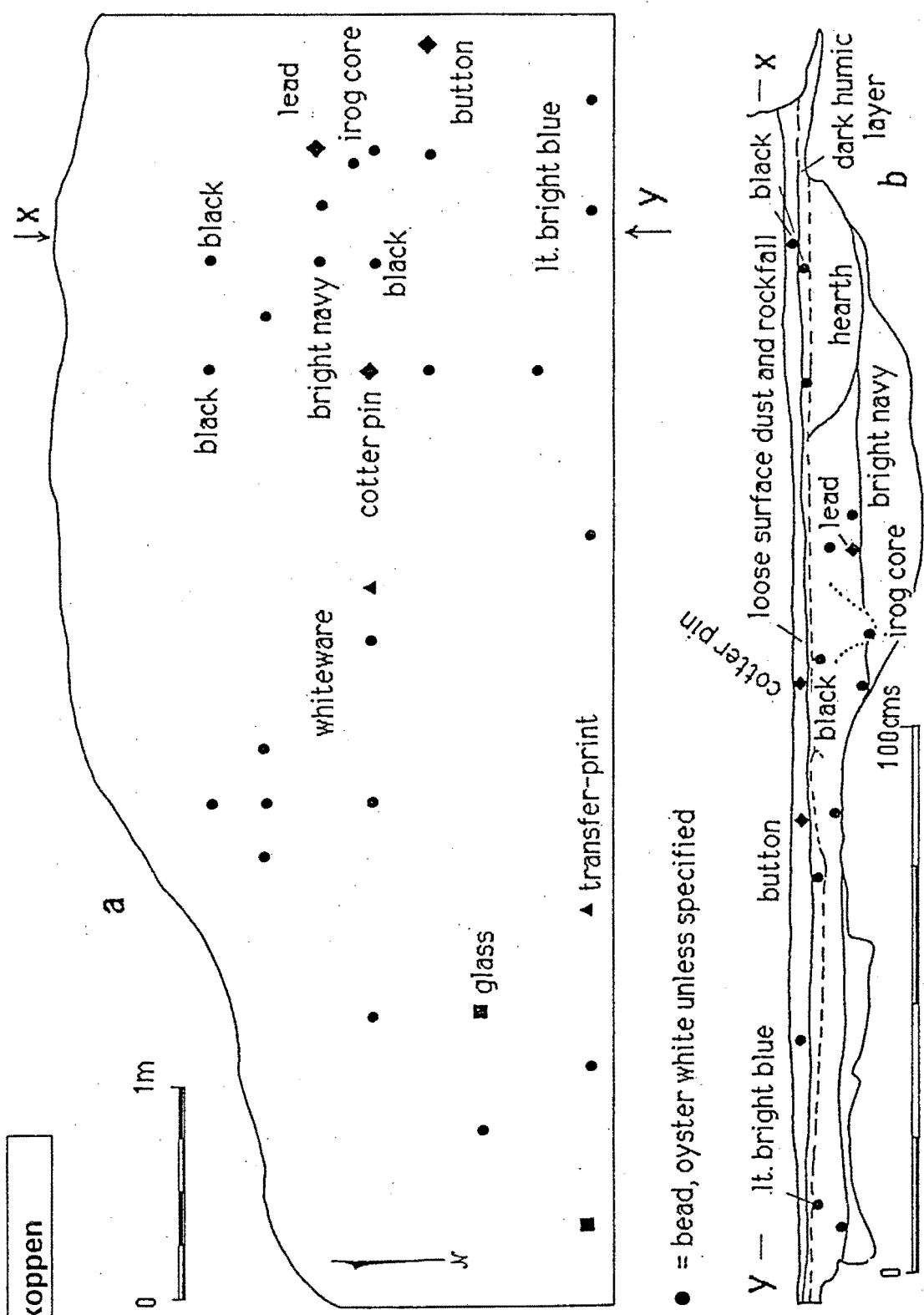


FIGURE 1-6: Stratigraphic floorplan and profile of Driekoppen Rock shelter showing artifacts of European origin.

Abbot's Cave

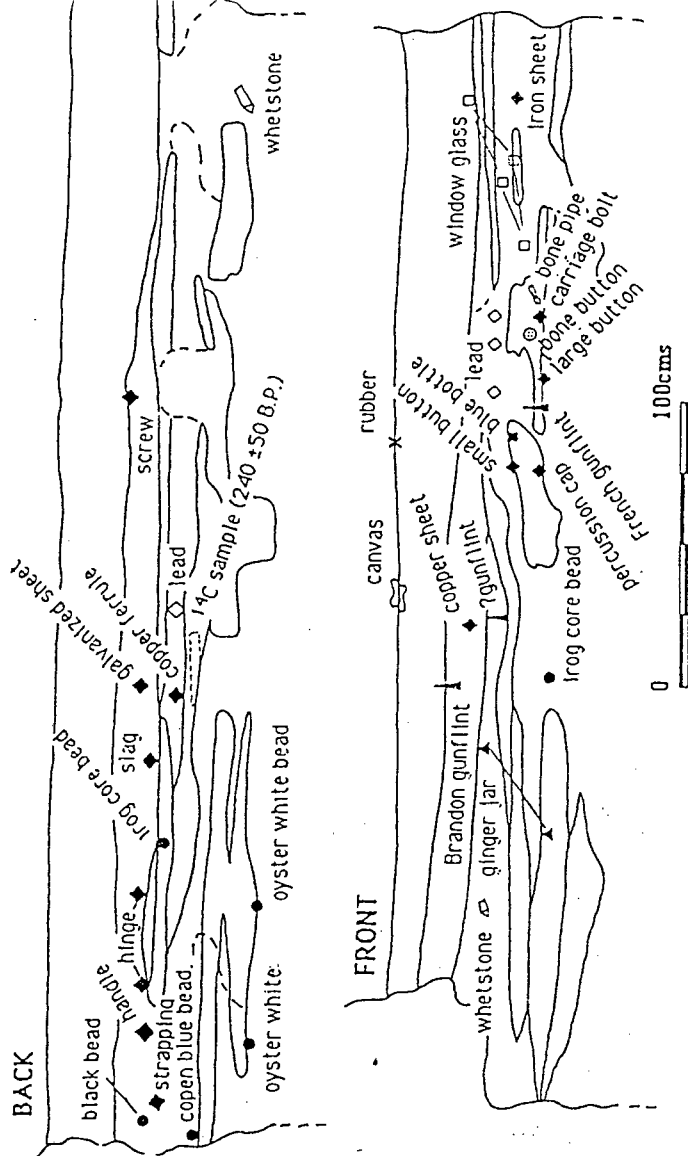
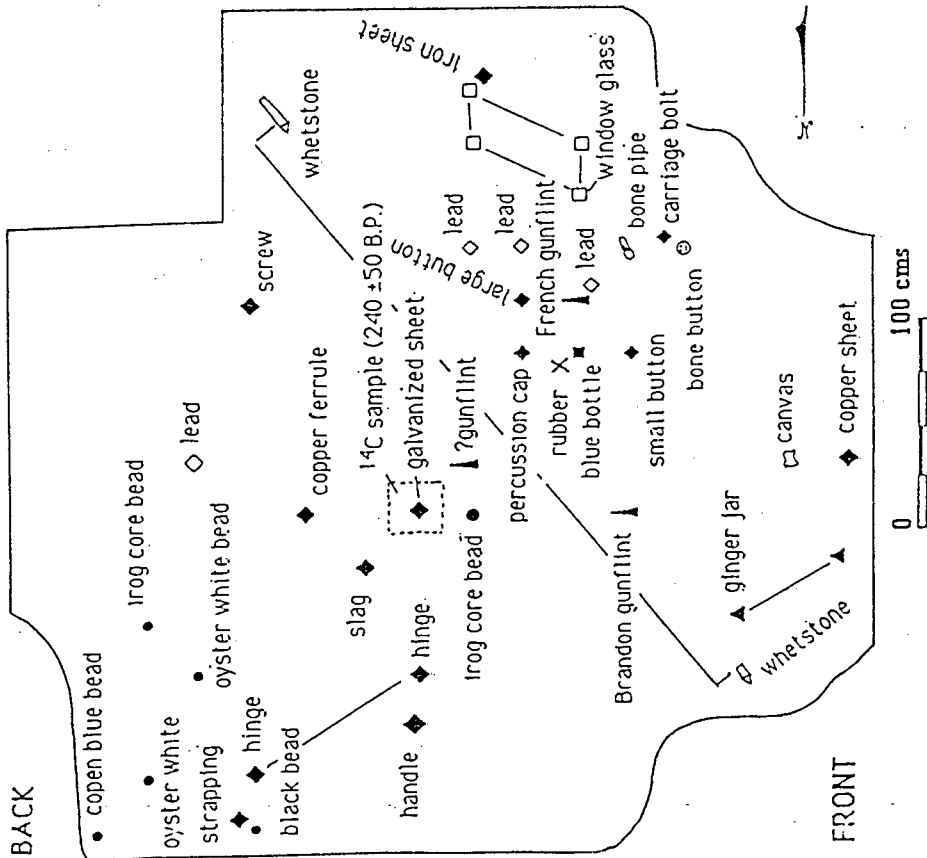


FIGURE 1-7: Stratigraphic floorplan and profile of Abbot's Cave showing artifacts of European origin.

Lame Sheep

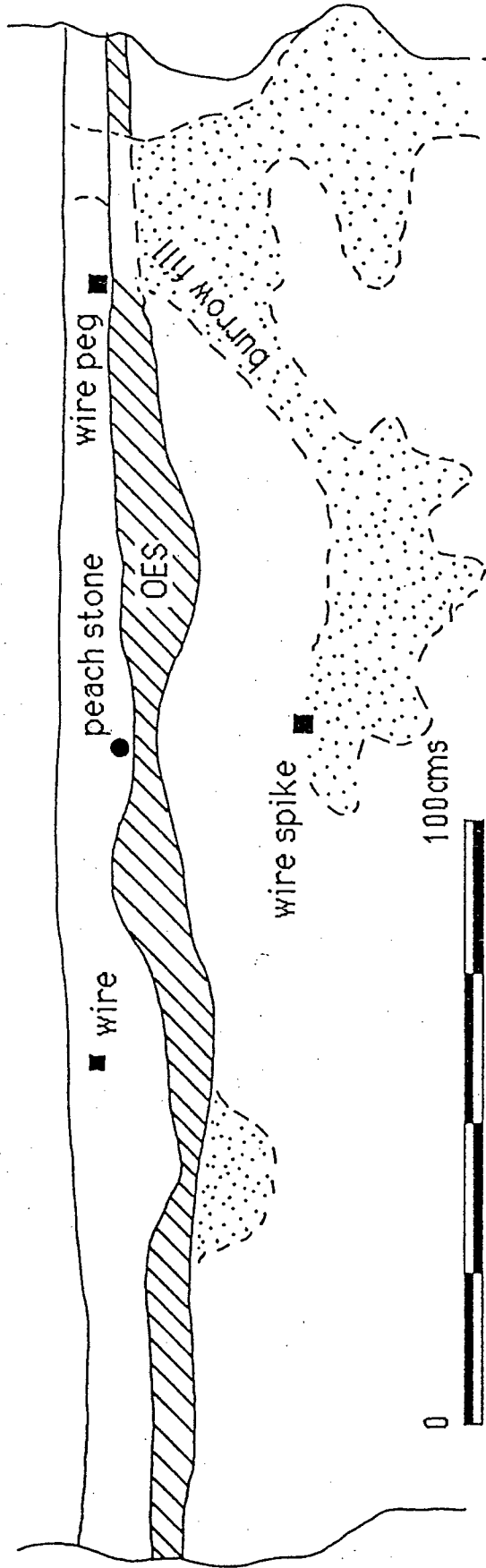


FIGURE 1-8: Stratigraphic profile of Lame Sheep shelter showing artifacts of European origin.

Leeuhoek

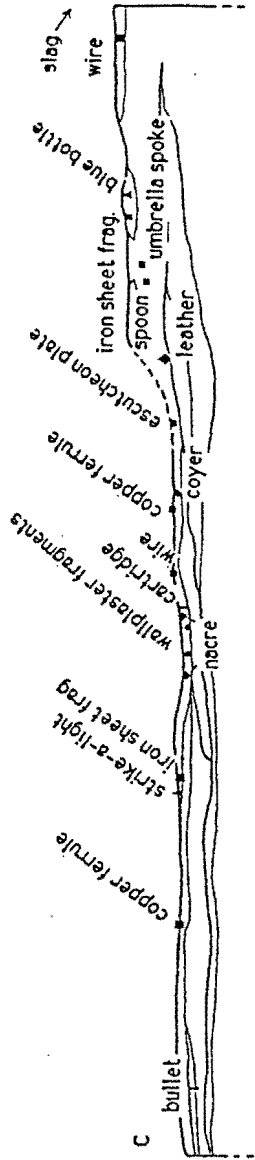
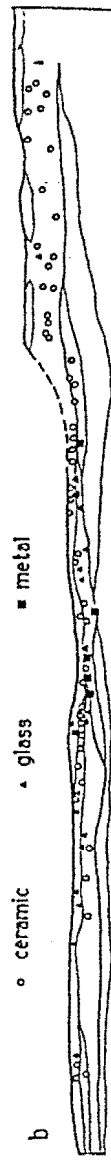
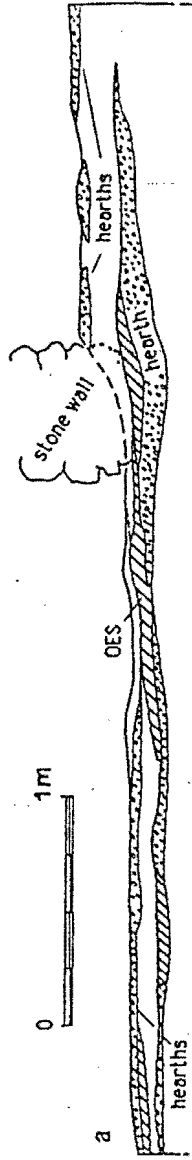
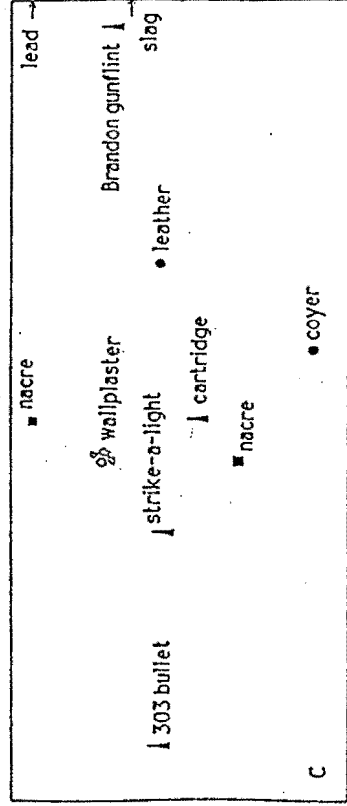
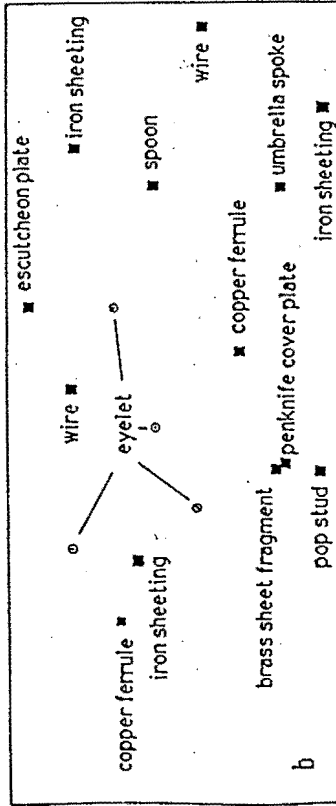
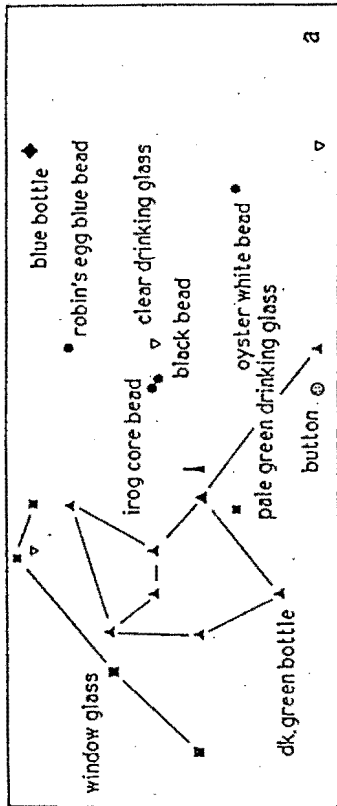


FIGURE 1-9: Stratigraphic floorplan and profile of Leeuhoek Rock shelter showing artifacts of European origin.

Van Zyl's Rus

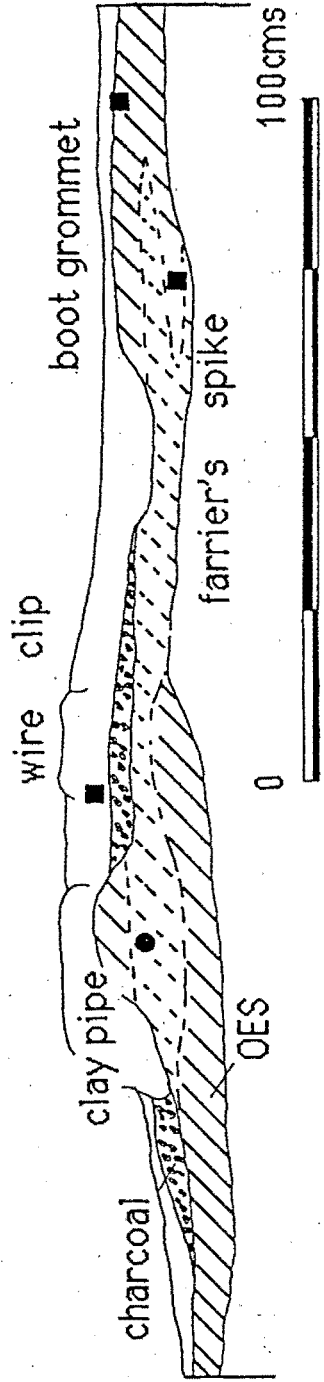


FIGURE 1-10: Stratigraphic profile of Van Zyl's Rus shelter showing artifacts of European origin.

Boundary

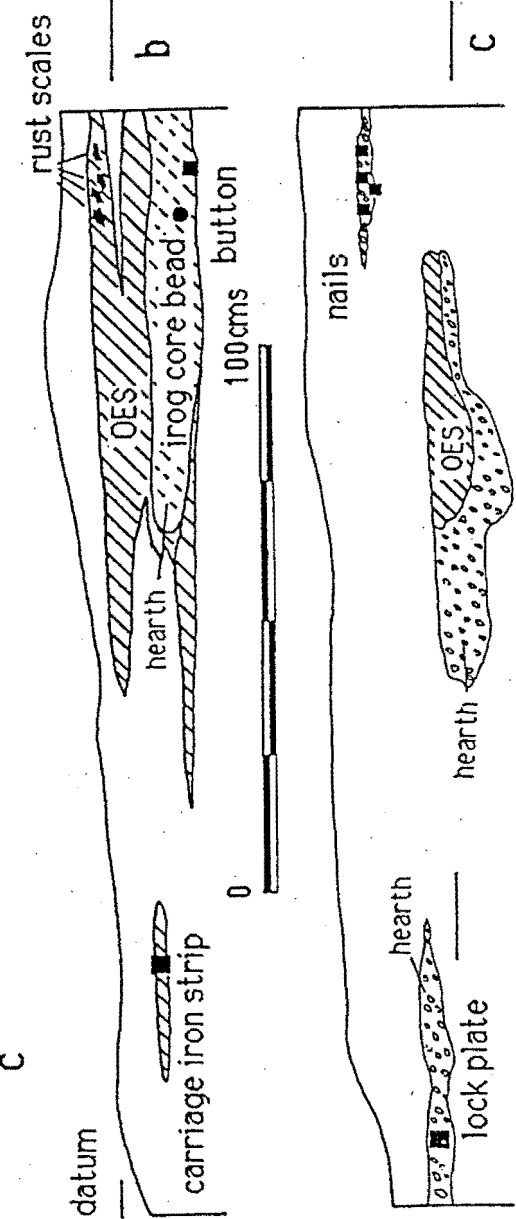
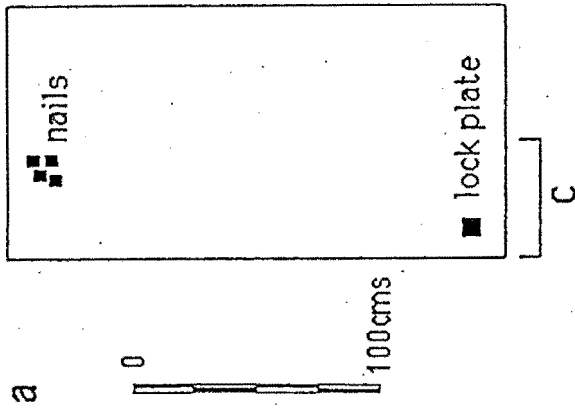
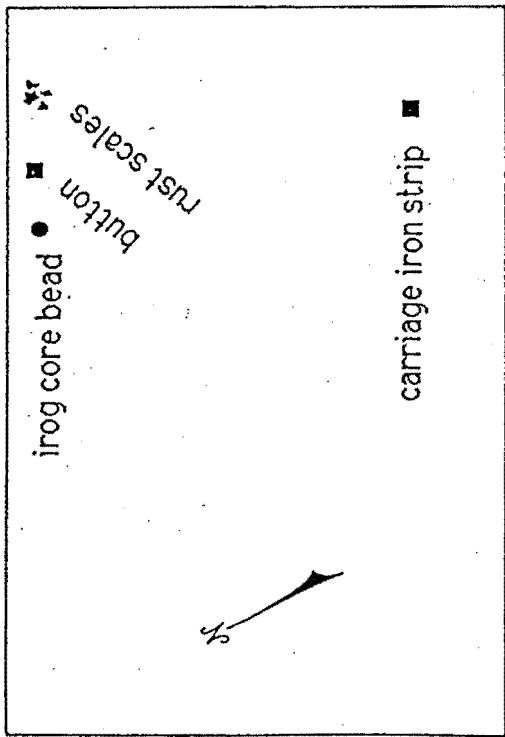


FIGURE 1-11: Stratigraphic profile of Boundary shelter showing artifacts of European origin.

Seacow River valley farms - showing Magisterial Districts

- Allemana Fontein - NOU.83
- Alphen - MID.145
- Amoy alias Overschot - HAN.105
- Andries Fontein - HAN.78
- Augustus Kraal - RICH.129
- Baskop - COL.210
- Beelhouders Draal - HAN.50
- Beeste Kull - HAN.110
- Bischuiffontein - COL.26
- Bock Fontein - HAN.130
- Boschjemasvlei - HAN.17
- Boschkop - COL.30
- Boschvarkensfontein - COL.32
- Bovenste Fontein - COL.34
- Brimscombe - HAN.106
- Bullfontein - COL.11
- Bullfontein - PH.157
- Byvoegsel - COL.96
- Canaan - COL.61
- Carolus Poort - NOU.166
- Cephanjies Poort - MID.143
- Coetzees Kraal - MID.64
- Collets Kraal - NOU.131
- Comny Kull - HAN.108
- Constantia A. - COL.185
- Damfontein - NOU.114
- Dasses Fontein - RICH.117
- David's Fontein - MID.148
- De Eerste Poort - COL.39
- De Hoop - COL.101
- De Kruis - NOU.115
- De Put - COL.142
- Derde Poort - Doornkloof Nature Reserve
- Doom Hoek - Doornkloof Nature Reserve
- Doom Kloof - Doornkloof Nature Reserve
- Drie Fontein - HAN.87
- Drie Hoek - COL.24
- Drie Koppen - HAN.124
- Drie Koppen - HAN.49
- Drooge Vliakte - HAN.86
- Droogfontein - NOU.85
- Dwaal Fontein - HAN.29
- Dwaal Poort - HAN.107
- Elands Gal - HAN.77
- Elands Kloof - NOU.135
- Elands Kloof - RICH.121
- Elands Rivier - COL.63
- Elandsfontein - COL.110
- Elandsheuvel - NOU.146
- Fairview - COL.66
- False Fontein - NOU.165
- Faugh a Ballagh - HAN.148
- Flaauwe Kop - COL.106
- Franschmans Kop - HAN.42
- Ganzengal - COL.23
- Geelbeksfontein - RICH.59
- Gordons Fontein - HAN.111
- Groenelfontein - GR.24
- Grog Blossom - HAN.43
- Groot Fontein Landgoed - RICH.33
- Groot Half Akker - COL.100
- Haase Kraal - RICH.75
- Hamelfontein - COL.10
- Hartebeestfontein - COL.145
- Hartebeestfontein - MID.68
- Hartebeest Fontein - RICH.116
- Hartebeest Hoek - NOU.182
- Hartebeest Valley - RICH.128
- Hartebeeste Fontein - MID.149
- Hartebeestfontein - COL.67
- Hartzenberg - COL.8
- Heuningkrans - COL.13
- Holl Vliakte - NOU.82
- Holle Fountain - NOU.133
- Hollefontein - COL.38
- Honger Fontein - HAN.102
- Hoogmoeds Fountain - HAN.109
- In De Middel - HAN.14
- Jackals Dam - COL.113
- Kalifir Fountain - HAN.20
- Kalkoen Kranz - HAN.78
- Kapok Hoek - MID.67
- Karree Kull - PH.159
- Karreebosch - PH.130
- Klein Cephanjies Poort - MID.144
- Klein Plaats - HAN.16
- Klein Tafel Berg - RICH.118
- Kleinfontein - NOU.117
- Klip Gat - HAN.80
- Klip Kop - HAN.147
- Klip Kraal - COL.104
- Klipplaatfontein - COL.9
- Kook Fontein - RICH.126
- Kraan Vogel Valley - RICH.67
- Kraanvogel Valley - RICH.120
- Kraayfontein - COL.55
- Krieger Fontein - RICH.73
- Kruijgers Poort - HAN.125
- Kruygers Baaken - MID.146
- Kullfontein - COL.115
- Kuiperfontein - COL.41
- Leeuw Hoek - MID.61
- Leeuwen Fontein - HAN.129
- Leeuwenfontein - NOU.83
- (now Allemans Fontein)
- Leeuwrand - HAN.84
- Leuwe Kop - NOU.120
- Leuwe Poort - HAN.127
- Lot 138 - RICH.76
- Lot 144 - RICH.62
- Luijpers Kop - HAN.112
- Modder Fontein - MID.66
- Mooi Meisjies Kop - HAN.44
- Mool Plaats - NOU.121
- Mooyfontein - COL.109
- (now Morgenwacht)
- Muskiefontein - COL.112
- Naauw Poort - NOU.1
- Noot Vervacht - RICH.61
- Noolgedacht - RICH.130
- Onvervagt - COL.56
- Oppermans Kraal - HAN.91
- Oppermanskraal - MID.147
- Oude Kraal - HAN.123
- Overschot - Doornkloof Nature Reserve
- Paarde Kull - HAN.74
- Paarde Valley - MID.62
- Paarde Verlies - HAN.89
- Pampoens Fontein - MID.150
- Petrus Valley - HAN.73
- Plakkerskraal - RICH.72
- Plessis Request - COL.31
- Plooyfontein - HAN.93
- Poorfjies Fontein - HAN.52
- Quaggas Fontein - COL.98
- Quaggasgal - COL.37
- Raap Fontein - HAN.51
- Rammekraal - COL.36
- Rheobotsfontein - RICH.132
- Riekertsfontein - COL.95
- Rietfontein - COL.140
- Rietfontein - PH.173
- Rietvalley - RICH.112
- Rooie Kopjes - COL.94
- Rooie Wal - Doornkloof Nature Reserve
- Rooie Kop & Aas Vogel Kull - RICH.100
- Rooildam - COL.16
- Ruigte Valley - RICH.122
- Salade Fontein - RICH.63
- Schaapse Kraal - COL.20
- Schaffhaasen - COL.65
- Scheurfontein - RICH.35
- Schiet Fountain - COL.35
- Schiet Kraal - RICH.107
- Schilpads Dam - COL.99
- Schuil Hoek - HAN.81
- September Kraal - MID.63
- Slagterskop - COL.201
- Sneeuwkull - RICH.124
- Tzamenkomst - COL.57
- Taalboschfontein - COL.58
- Taalboschfontein - HAN.41
- Taalboschpoort - RICH.69
- Trek Polje - HAN.21
- Tweede Poort - COL.22
- Ulje Fontein - HAN.72
- Uitzicht - NOU.3
- Vaal Kop - COL.114
- Van der Linde's Kraal - HAN.79
- Van Vredesfontein - HAN.128
- Van Zyl's Kraal - RICH.65
- Venters Vliakte - COL.33
- Ventersfontein - COL.146
- Ventersvalley - PH.129
- Vergelegen - RICH.123
- Vermeulens Application - HAN.90
- Vet Vliakte - COL.139
- Vlage Kop - NOU.119
- Vogelstruisfontein - RICH.77
- Waal Kraal I - HAN.101
- Wegelegen - RICH.74
- Weltevrede - PH.174
- Weltevreden - COL.21
- Wild Fontein - NOU.144
- Windpoort - COL.105
- Winkelhoek - PH.158
- Winterhoek - NOU.118
- Wolvaards Dam - HAN.126
- Wolvenhuis Hoek - RICH.125
- Wolwe Kop - HAN.92
- Wonder Heuvel - NOU.140
- Zaay Fontein - MID.65
- Zevenfontein - COL.54
- Zingfontein - PH.156
- Zoete Valley - RICH.115
- Zuurfontein - MID.220
- Zypher Kull B - COL.60
- Zypher Kull C - COL.59
- Zypher Kull - PH.177

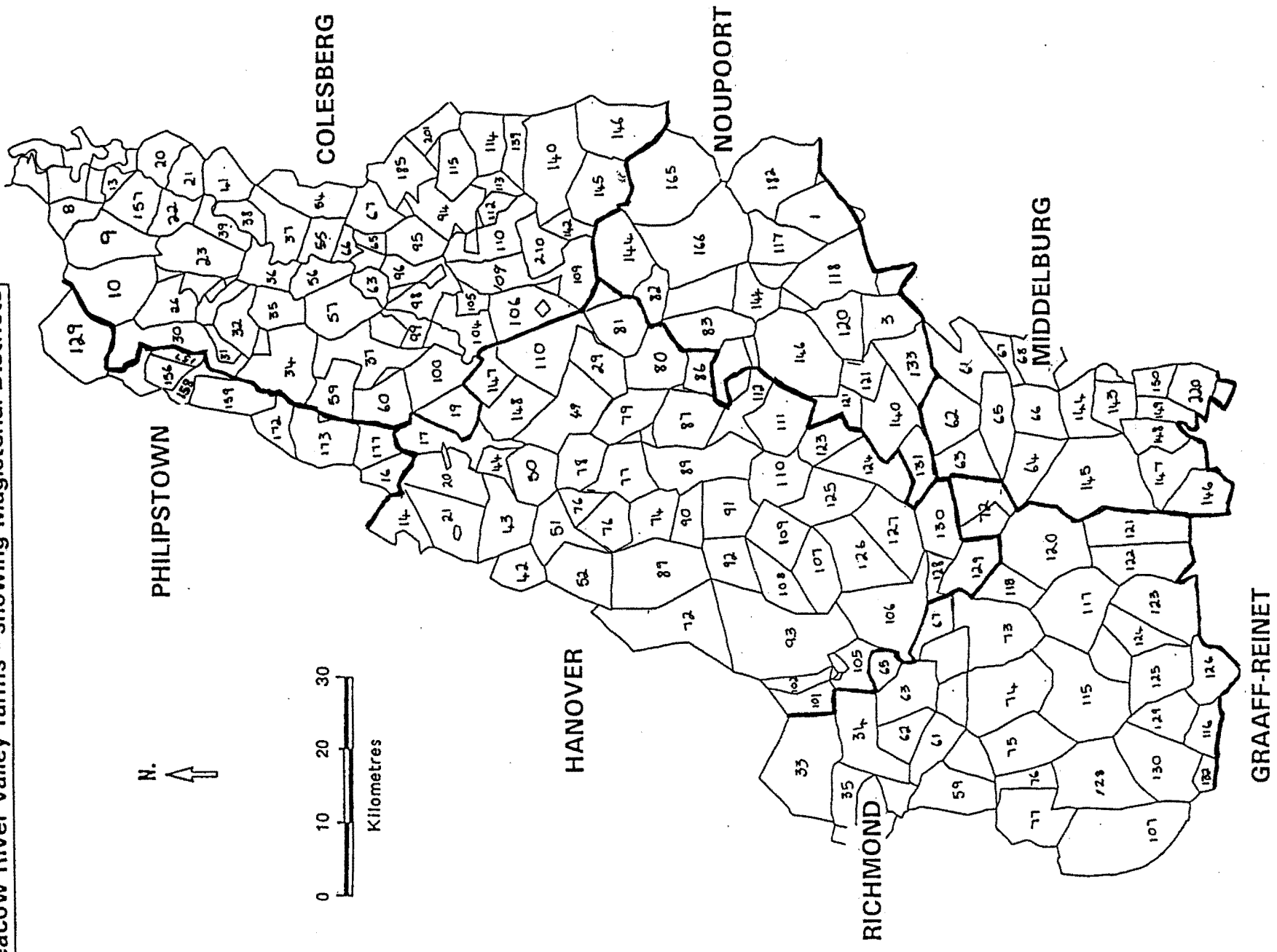


FIGURE 1-12: Map of the farms falling within the Seacow River valley, with Magisterial districts shown

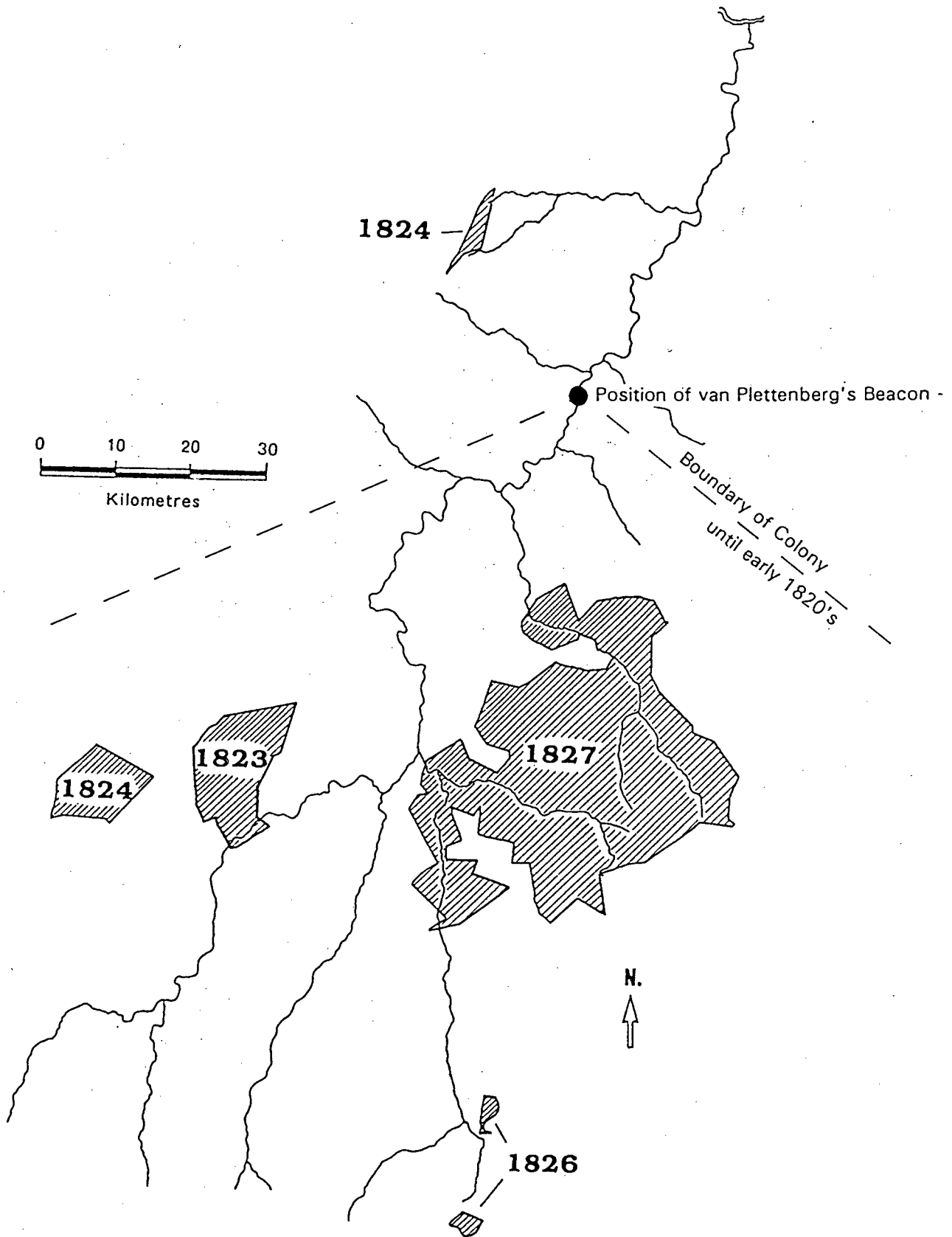


FIGURE 1-13: Valley farms surveyed in the 1820's (from Sampson + Sampson 1994: Fig. 1).

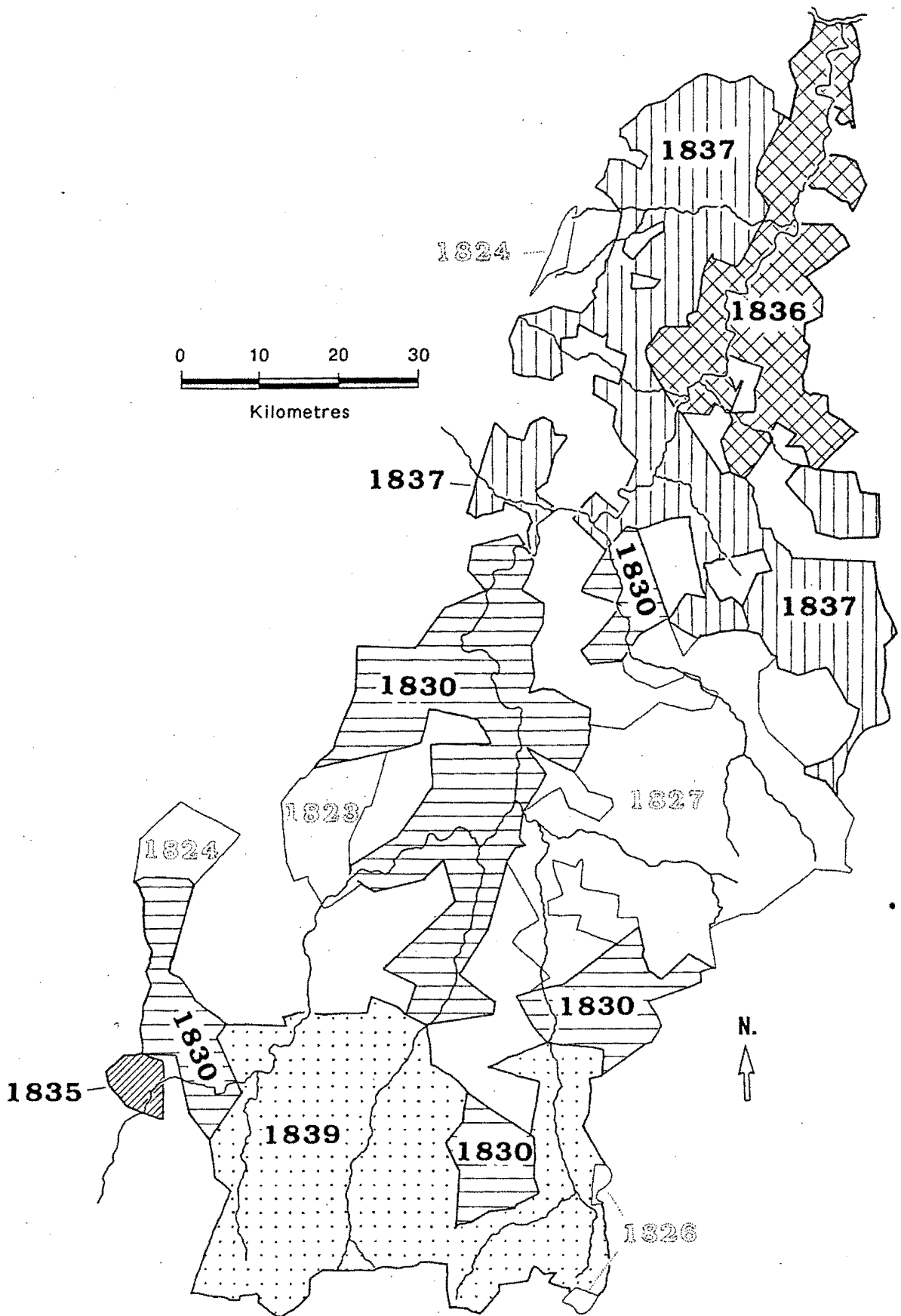


FIGURE 1-14: Valley farms surveyed by the late 1830's (from Sampson + Sampson 1994: Fig. 2).

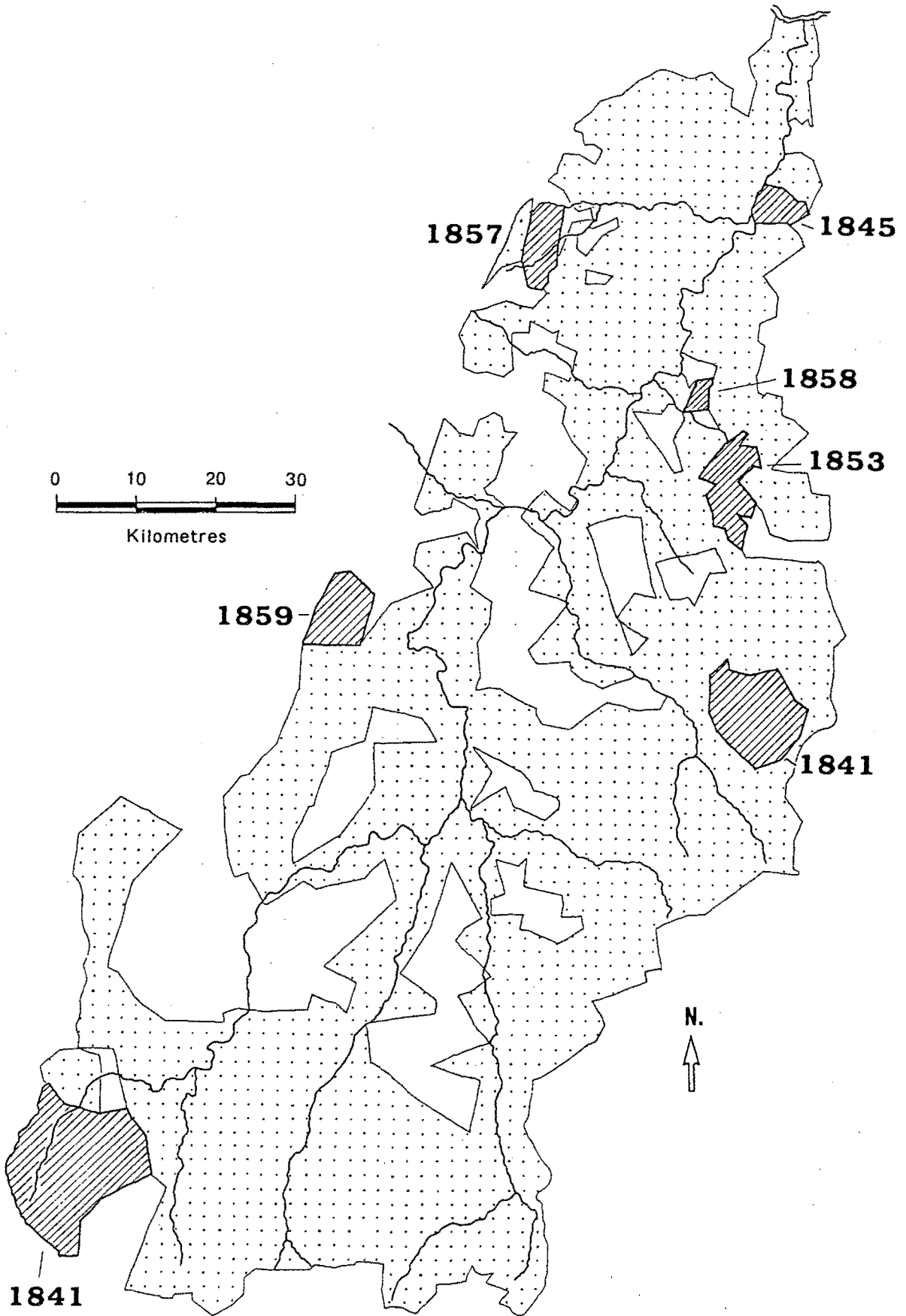


FIGURE 1-15: Valley farms surveyed during the 1840's and 1850's (from Sampson + Sampson 1994: Fig. 3).

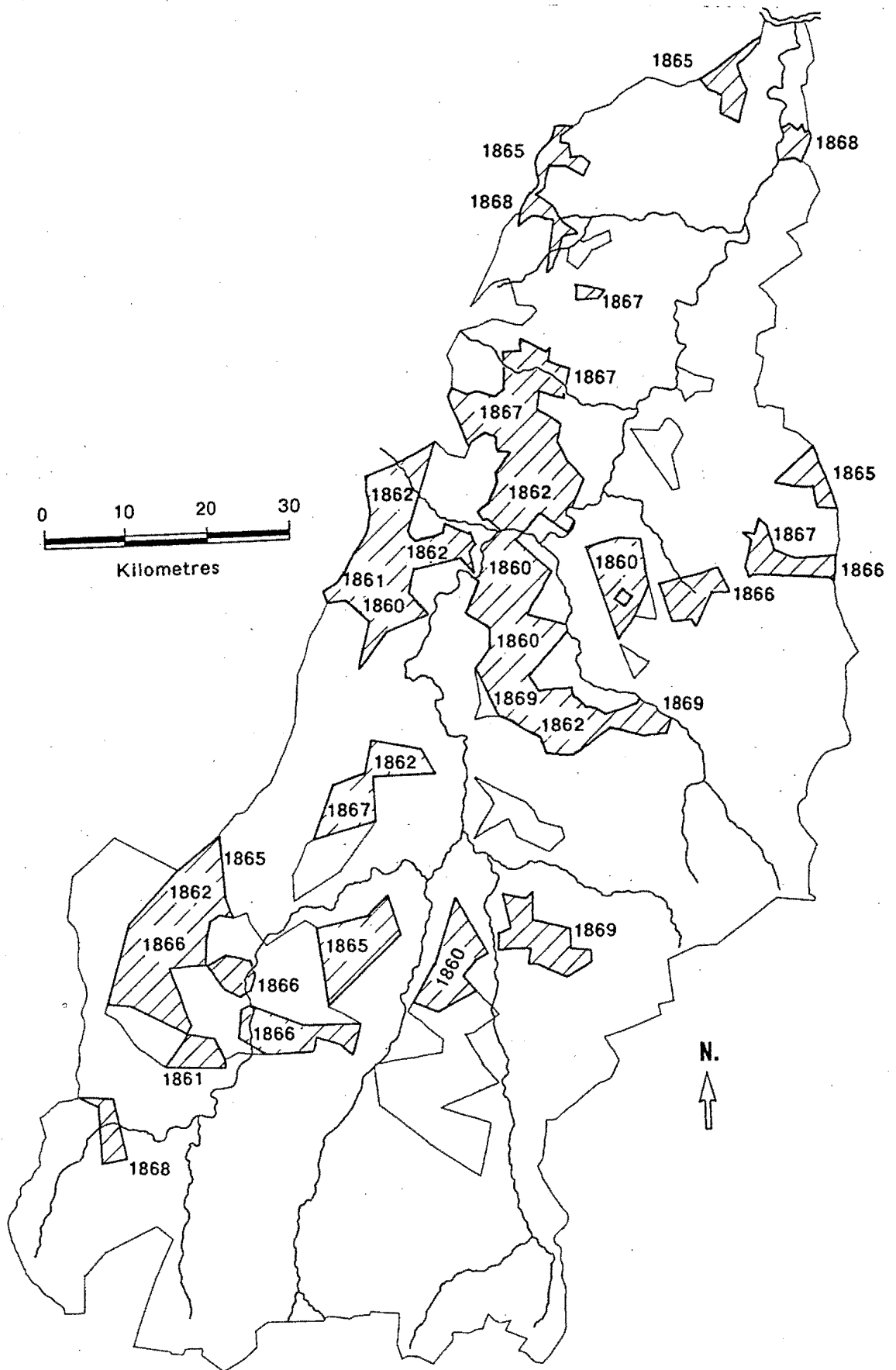


FIGURE 1-16: Valley farms surveyed during the 1860's (from Sampson + Sampson 1994: Fig. 4).

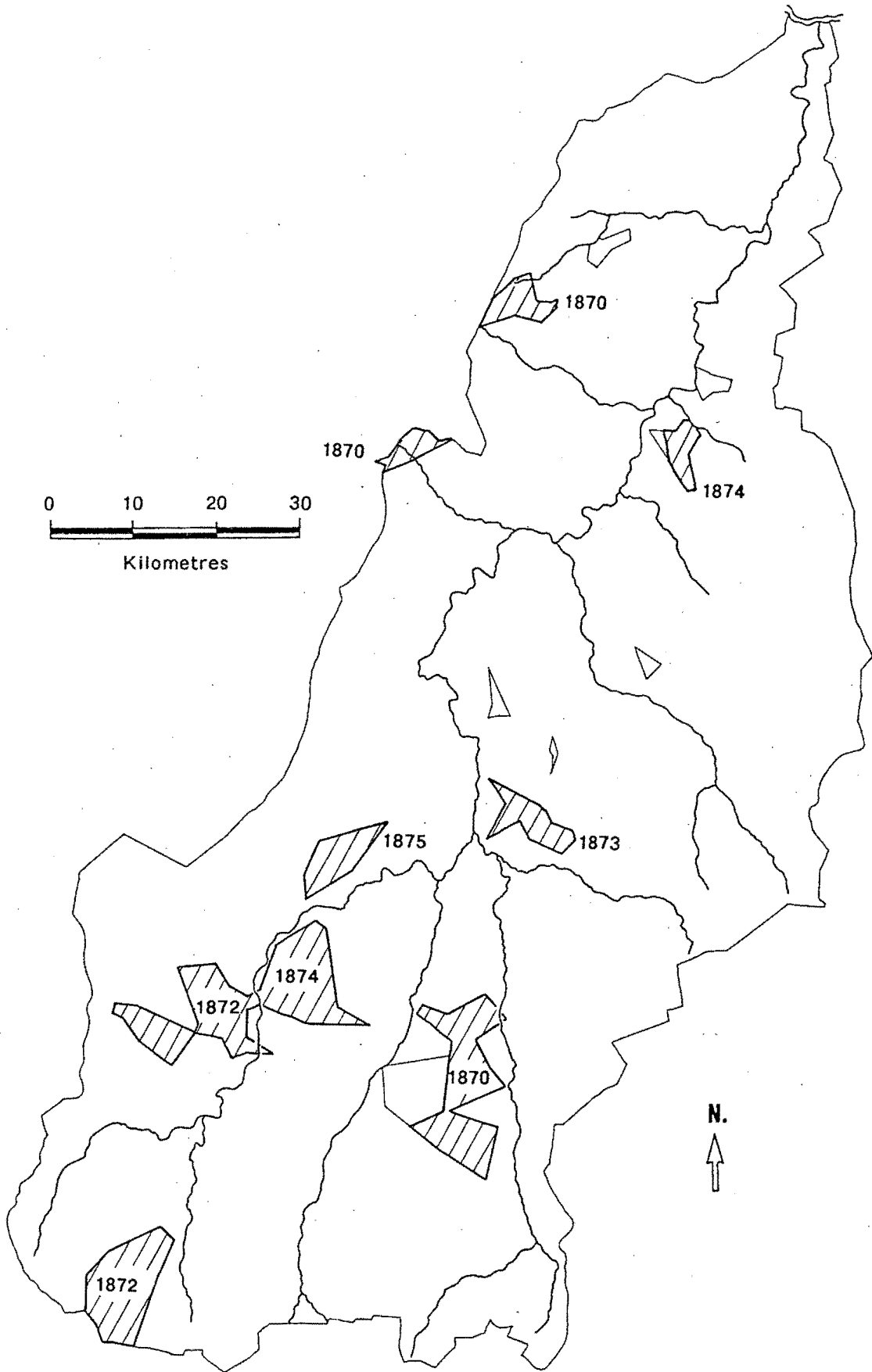


FIGURE 1-17: Valley farms surveyed in the remainder of the century - primarily between 1870 and 1875 (taken from Sampson + Sampson 1994: Fig. 5).

MINOR DRAINAGE CHANNELS

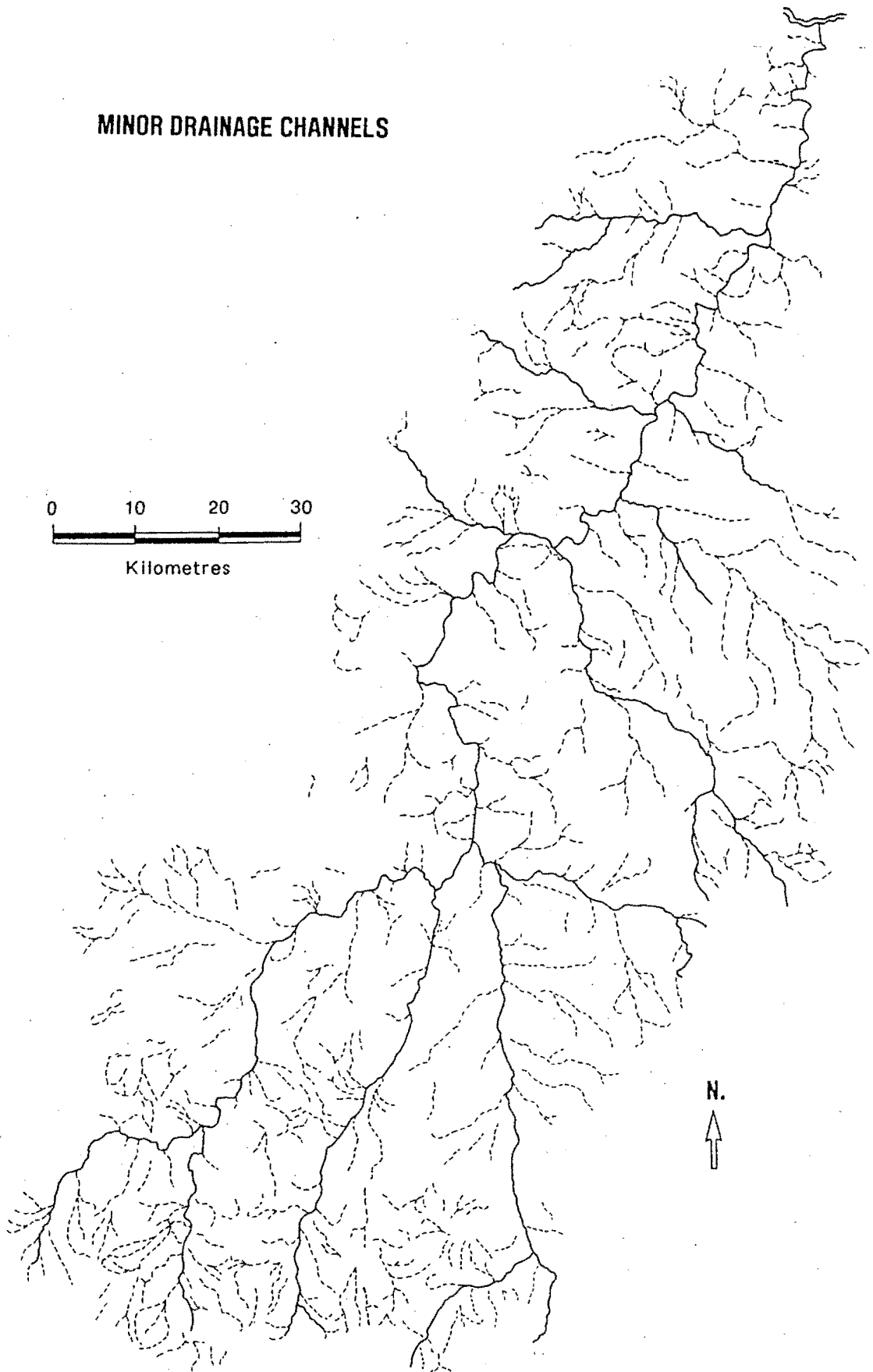


FIGURE 2-1: The catchment area of the Seacow River as illustrated on topo-cadastral maps for the valley (3024 Colesberg, 3124 Middelburg).

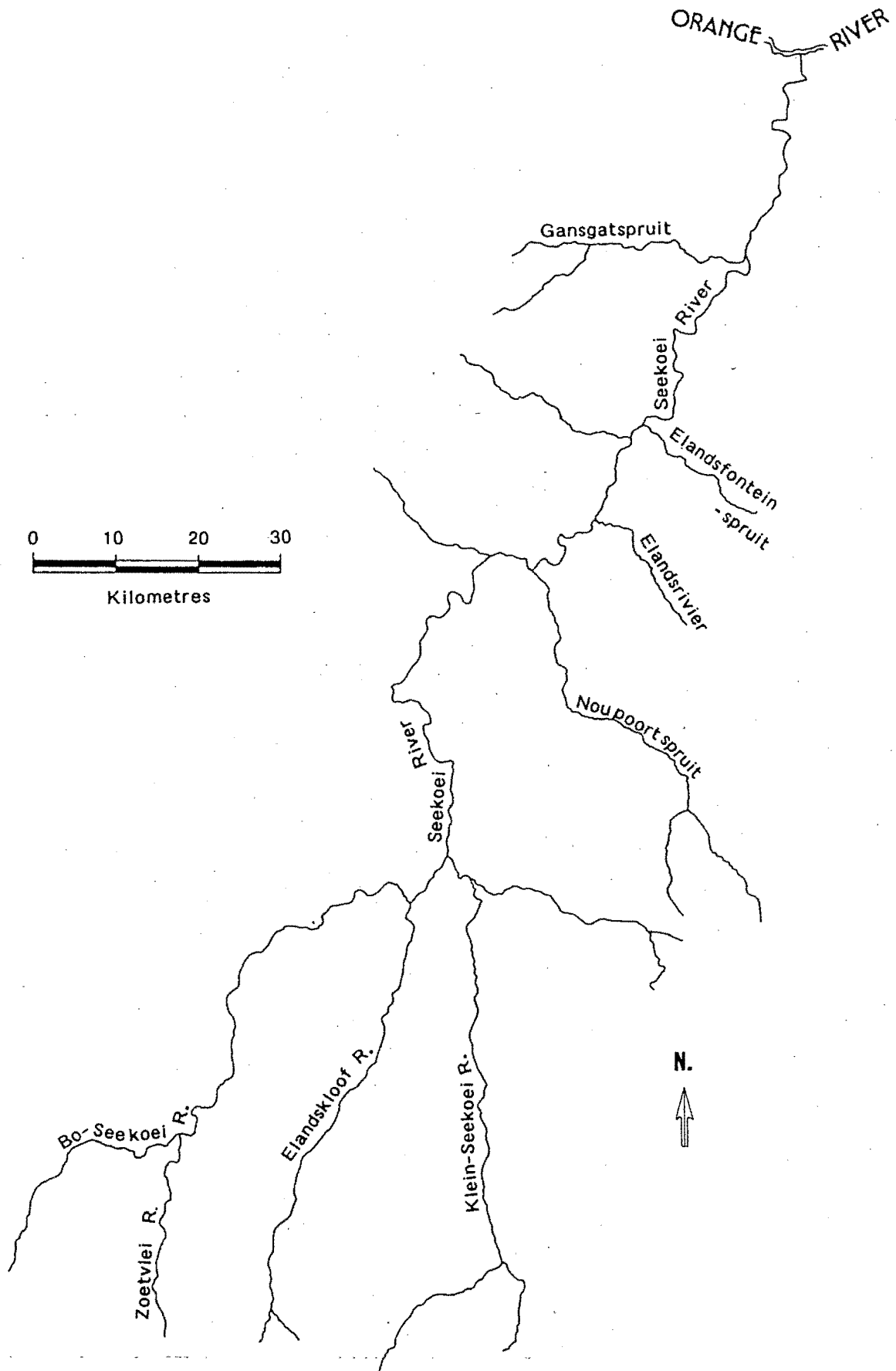


FIGURE 2-2: Main tributaries of the Seacow River (3024 Colesberg, 3124 Middelburg).

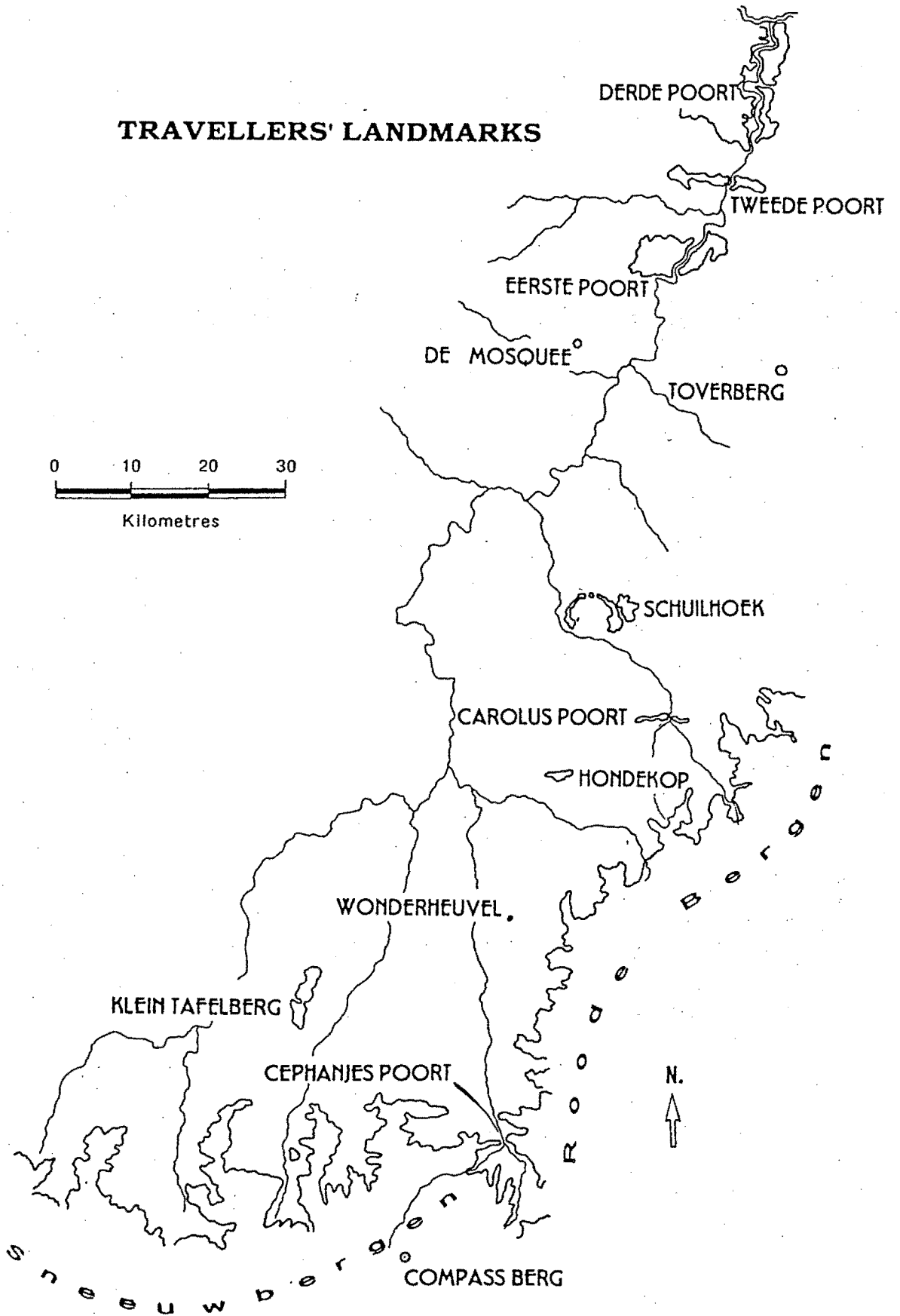


FIGURE 2-3: Landmarks recognised and named by 18th and 19th century travellers.

MEAN ANNUAL RAINFALL

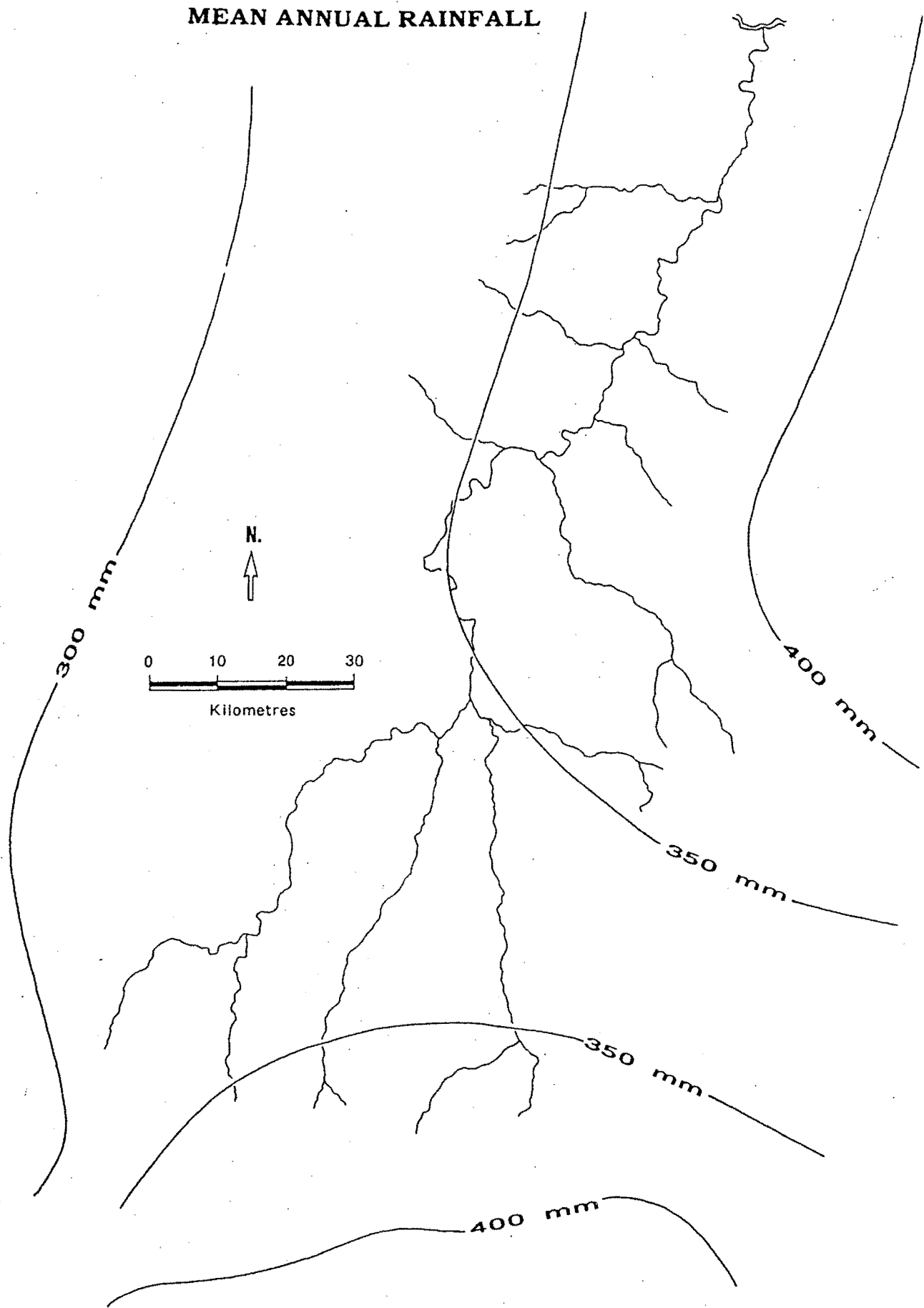


FIGURE 2-4: Mean annual rainfall across the Seacow River valley (in millimetres).

SPRING RAIN DEFICIT

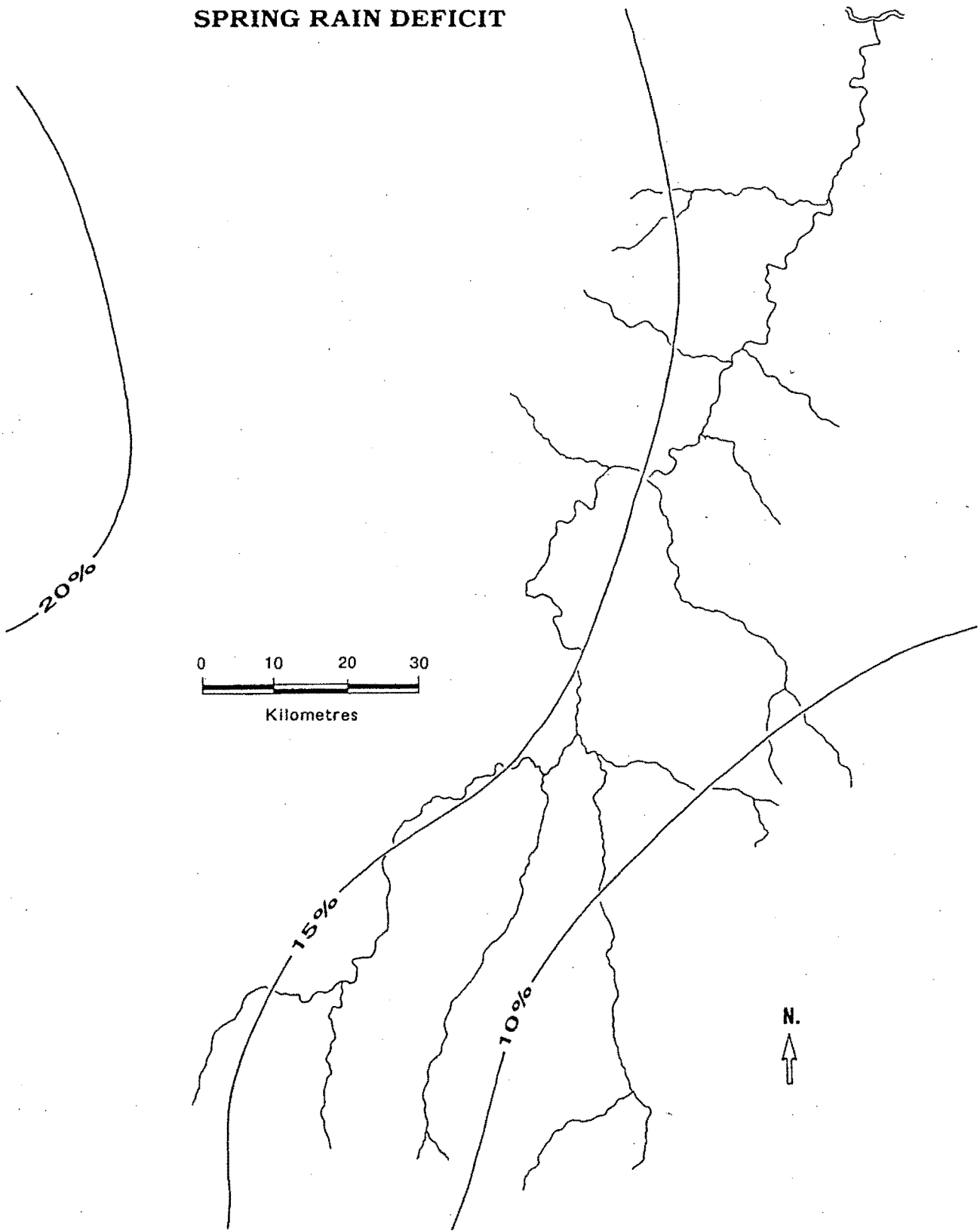


FIGURE 2-5: Excess of Autumn over Spring rains across the valley (percentages).

RAINFALL RELIABILITY

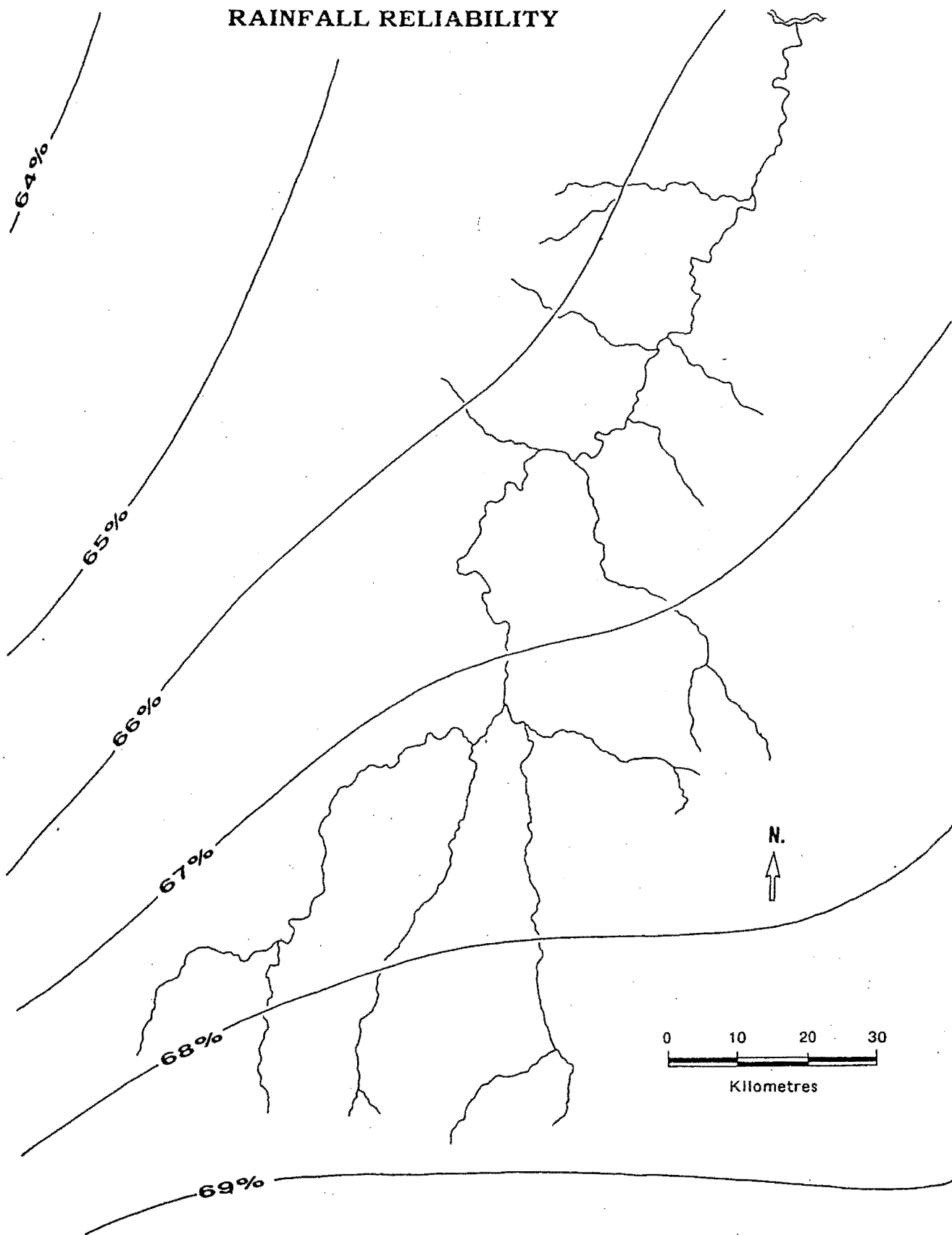


FIGURE 2-6: Variation in yearly rainfall (percentages).

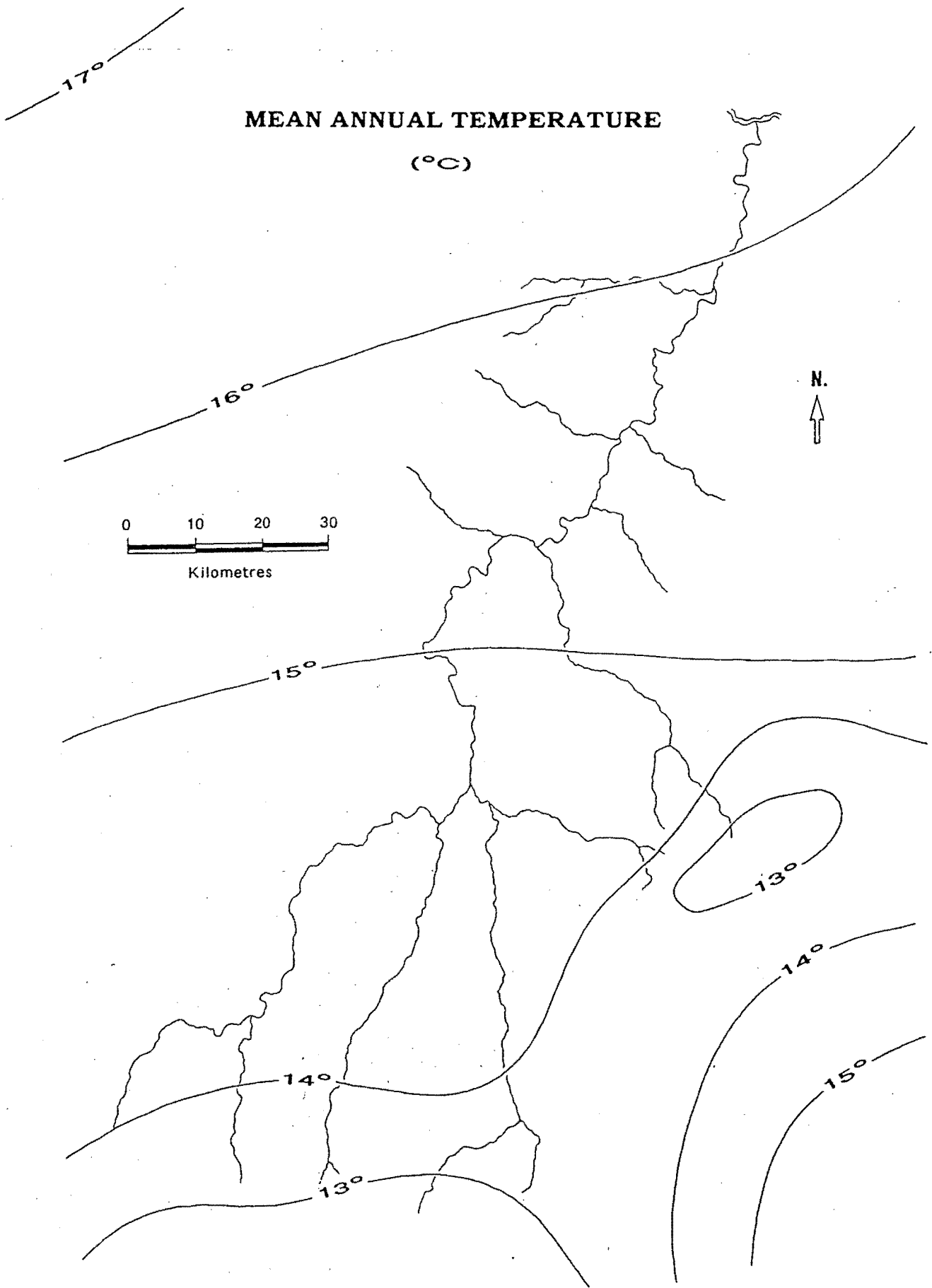


FIGURE 2-7: Mean annual temperatures for the valley.

Grootfontein - 1978 Windspeed, temperature, and rainfall

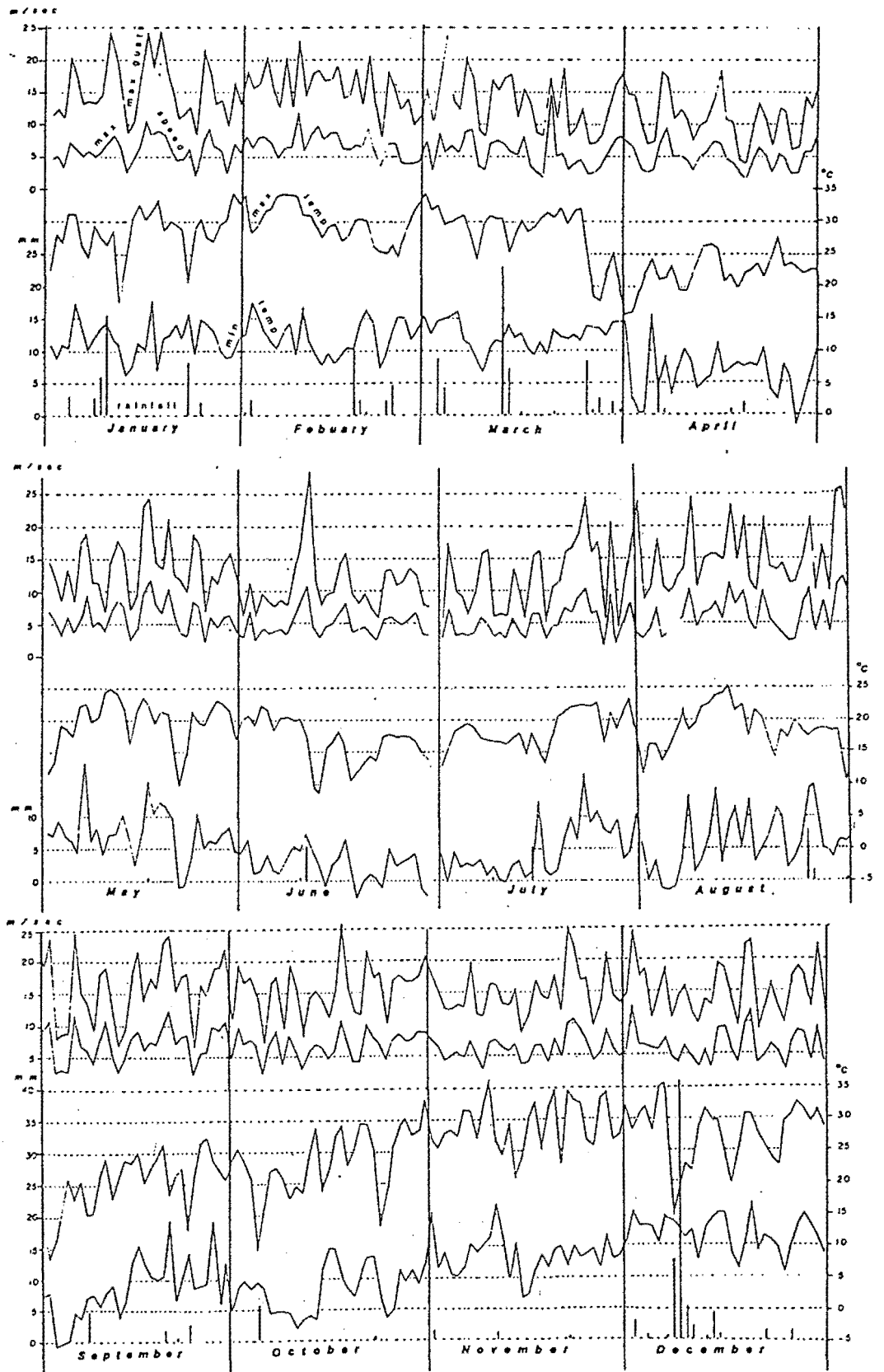


FIGURE 2-8: Daily minimum and maximum ranges for the valley across a single year (from Sampson 1988b: Fig. 12-5).

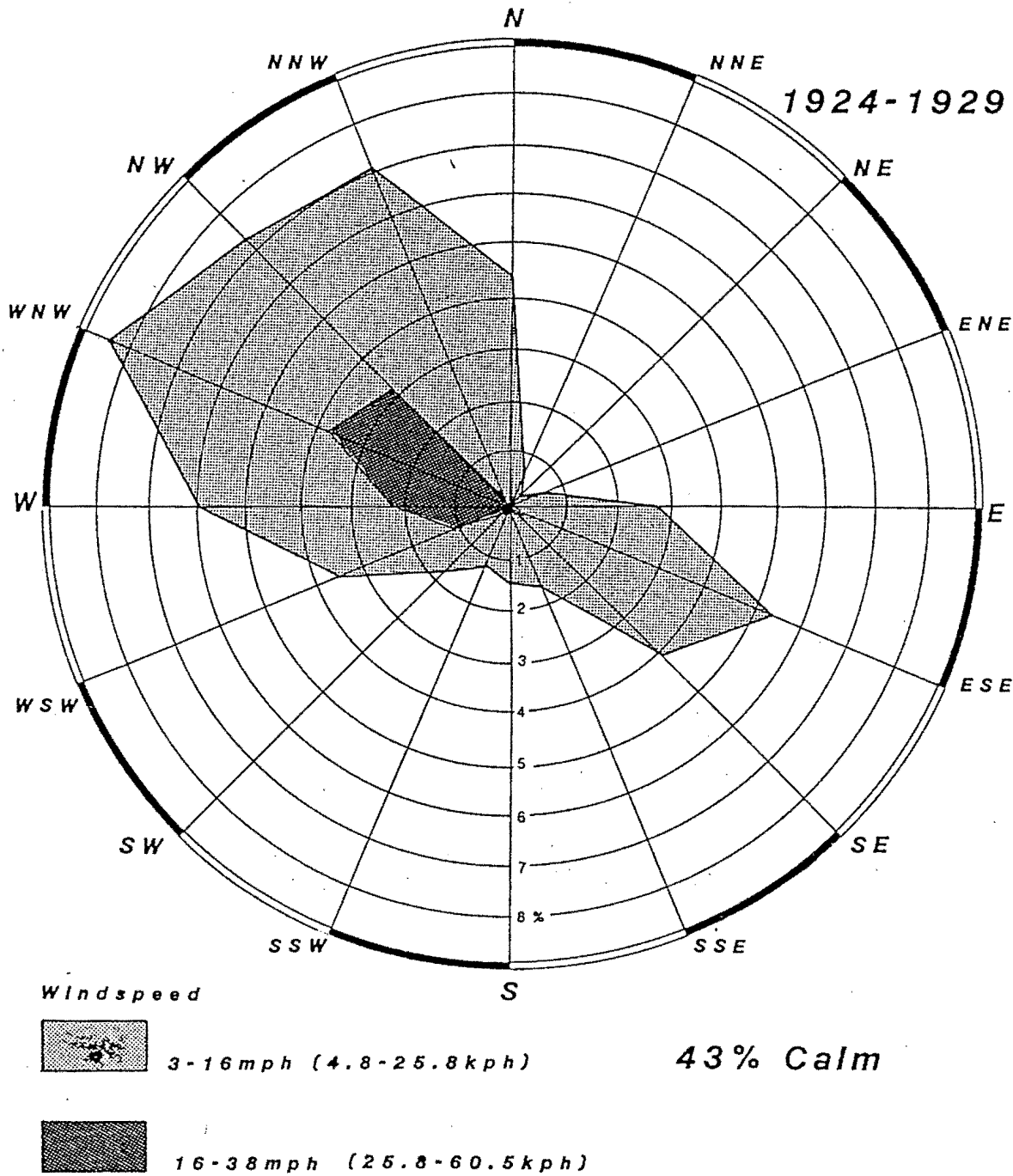


FIGURE 2-9: Two velocity wind rose for winds in the Seacow River valley (from Sampson 1988b: Fig. 12-3).

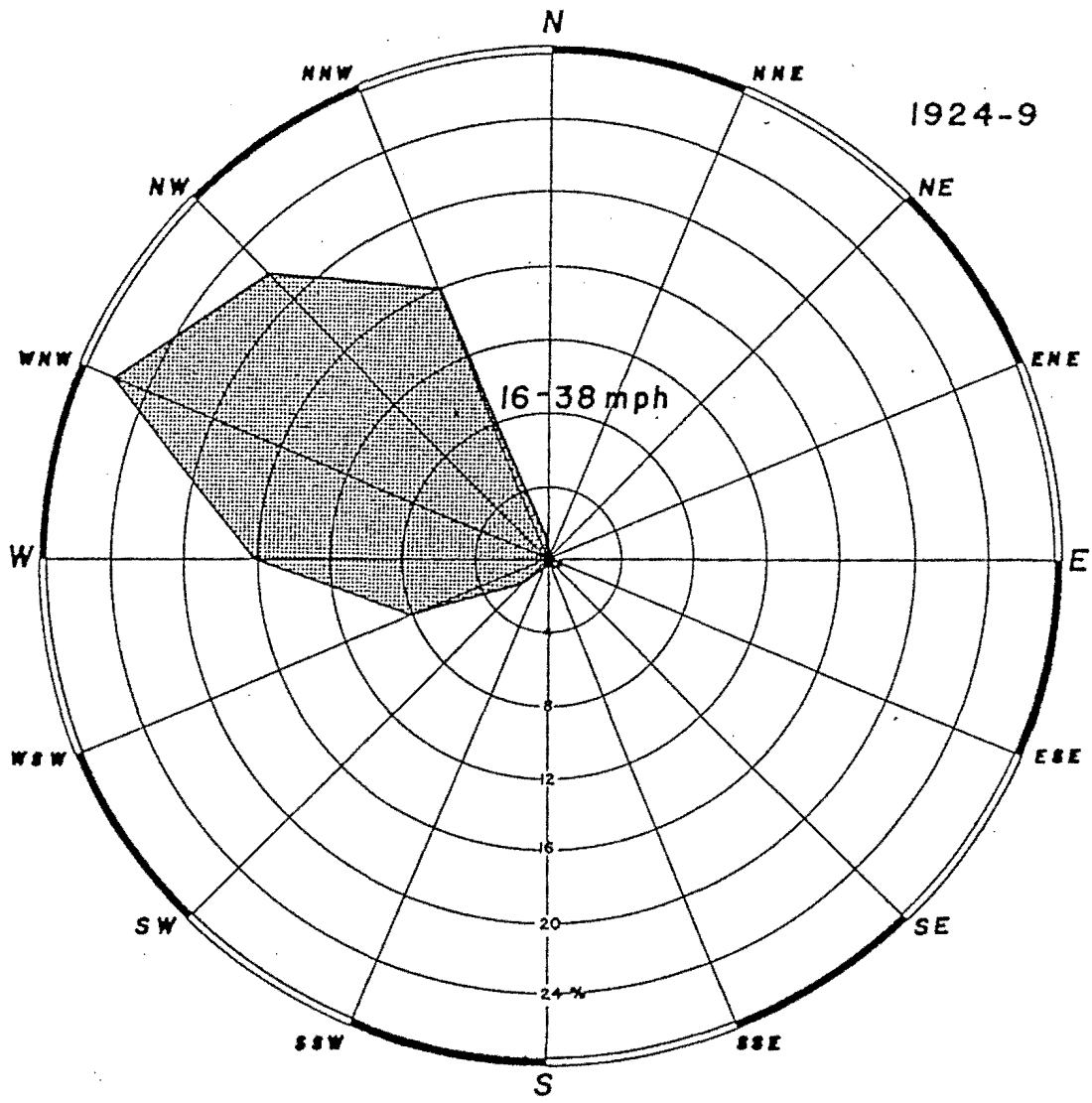


FIGURE 2-10: Wind rose of strong northerlies to westerlies associated with cold weather (from Sampson 1988b: Fig. 12-6).

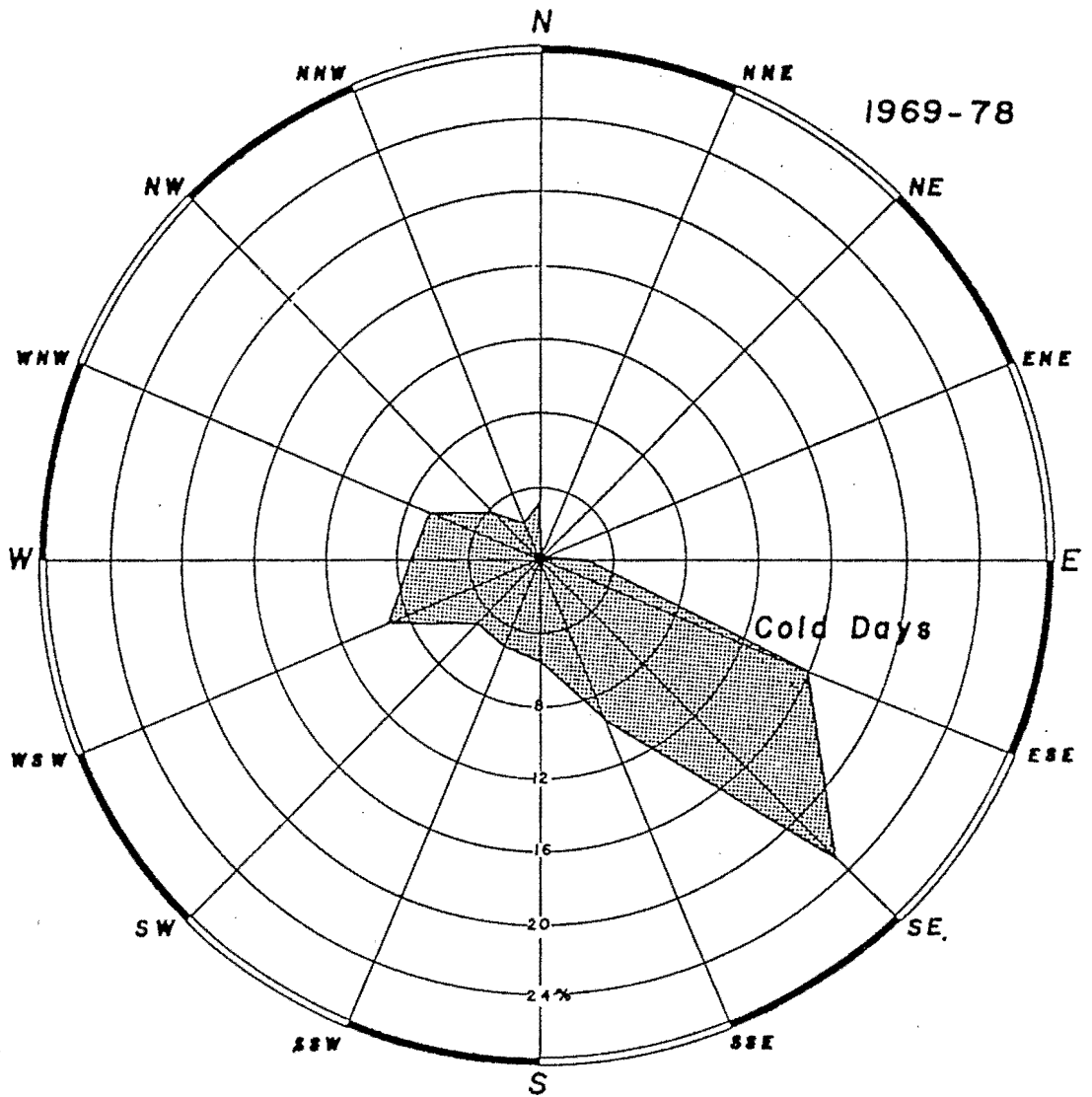


FIGURE 2-11: Wind rose of south-easterlies which produce cold weather (from Sampson 1988b: Fig. 12-10).

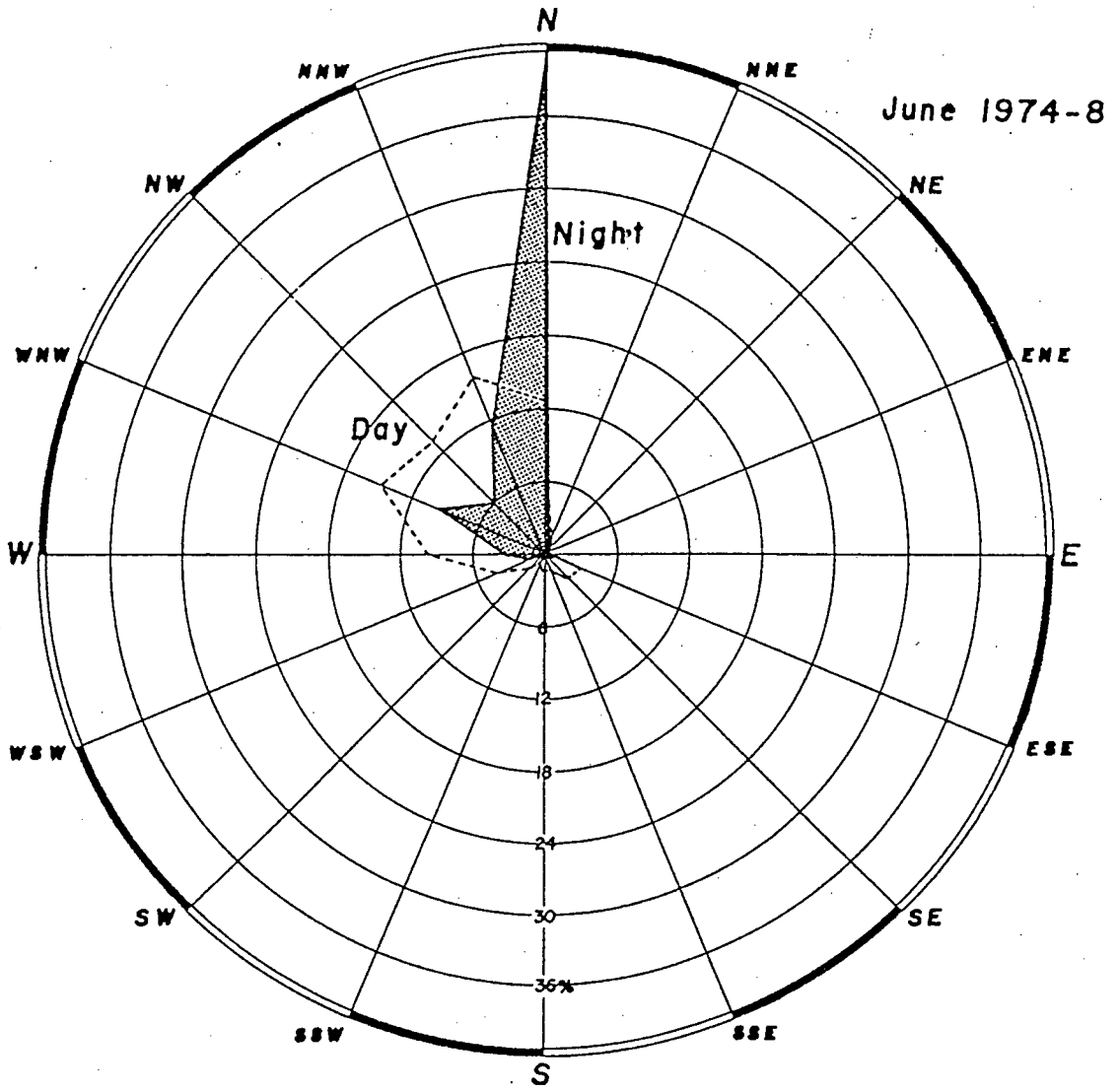


FIGURE 2-12: Wind rose showing northerly winds associated with cold periods (from Sampson 1988b: Fig. 12-8).

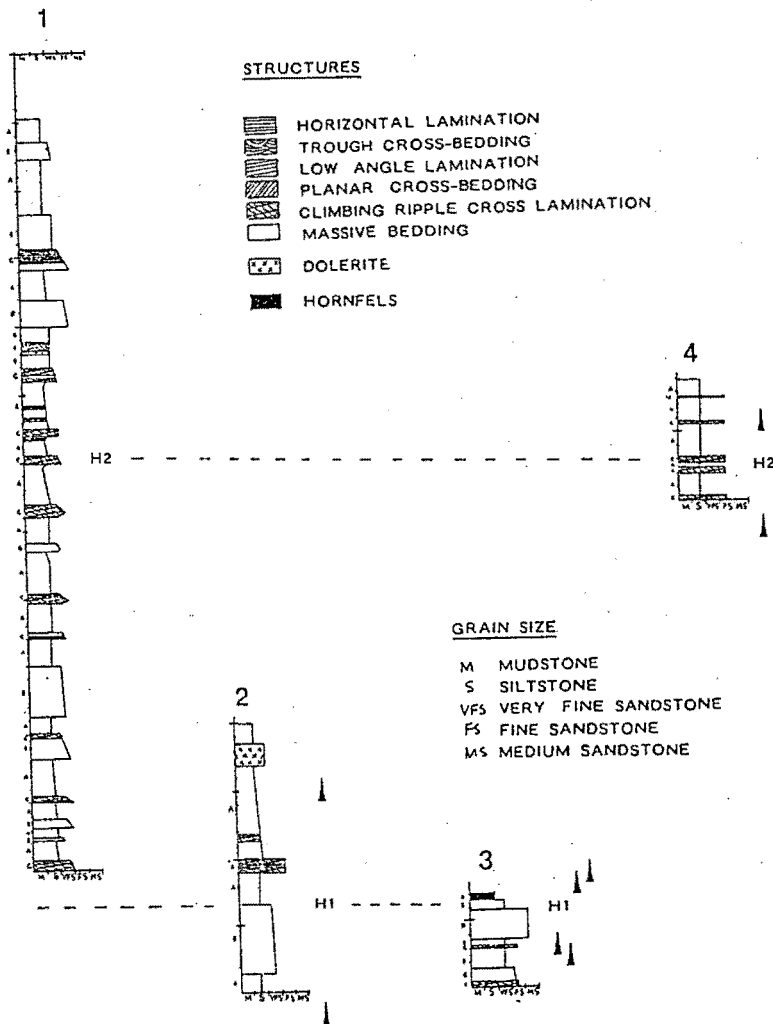
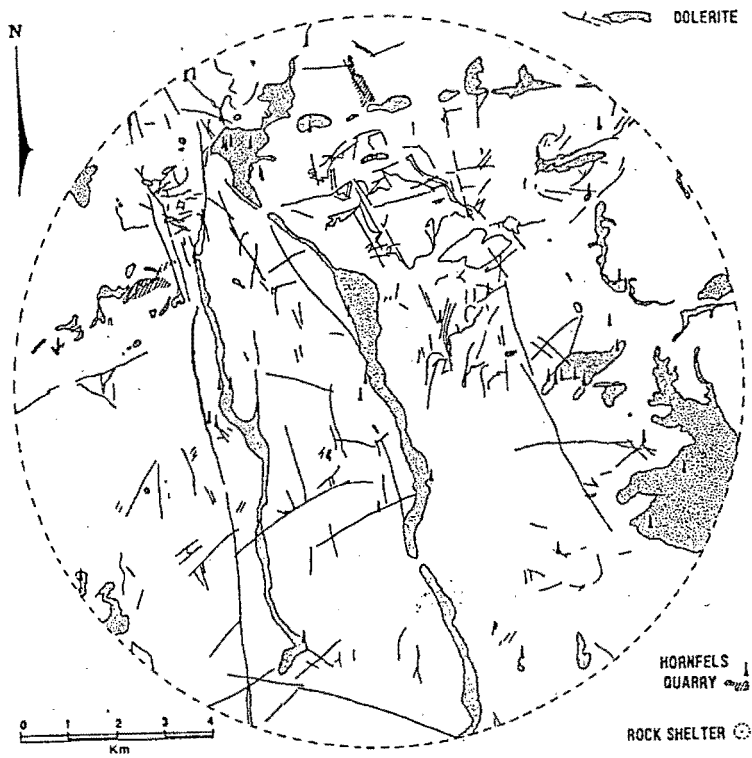


FIGURE 2-13: Depositional processes at work on a small area of the valley (from Broquet 1993: Fig.2).

SOILS

Da Prismaeutanic/Pedocutanic with red B horizons

Glenrosa/Mispah forms

Lime generally present

Lime rare or absent in upland soils

Apedal, red, freely drained, high base status, <300mm deep

Rock areas with miscellaneous soils

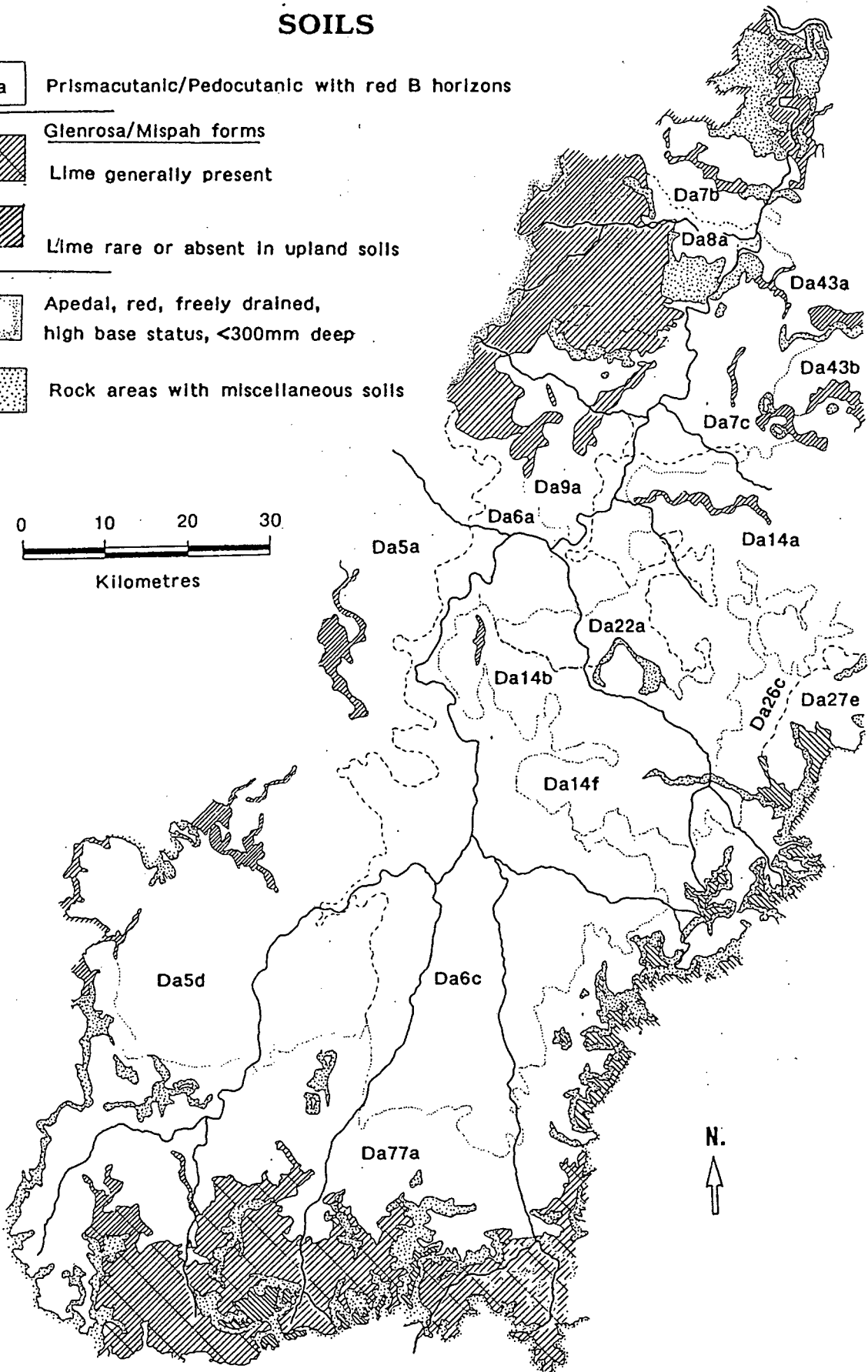
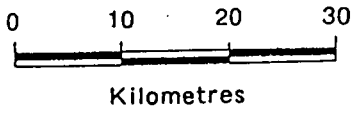


FIGURE 2-14: Soil types of the Seacow River valley (from 3024 Colesberg, 3124 Middelburg).

Adriaan van Jaarsveld
August 1775

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

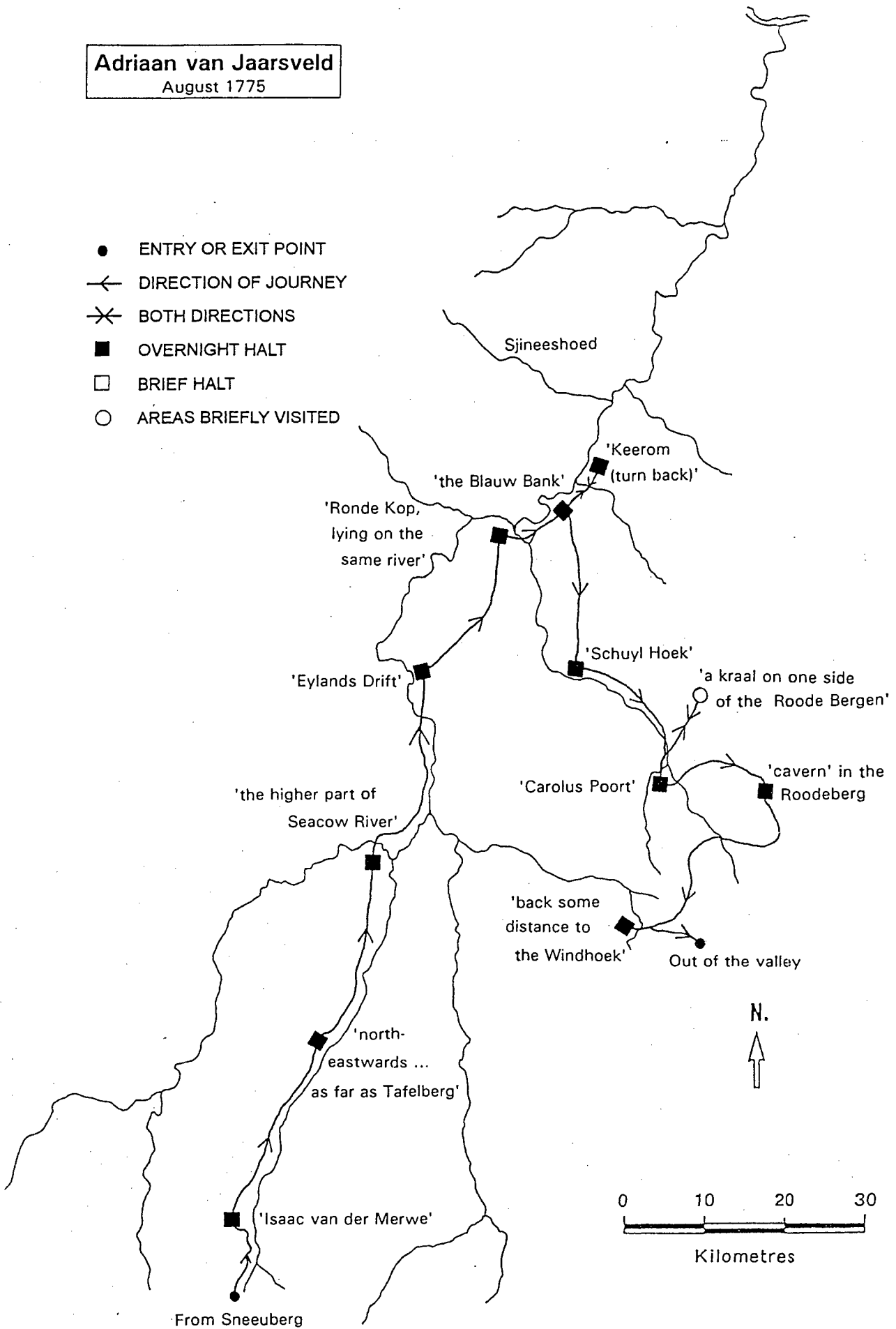


FIGURE 3-1: Route travelled by Adriaan Van Jaarsveld across the valley (August 1775).

Robert Jacob Gordon

November 1777

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

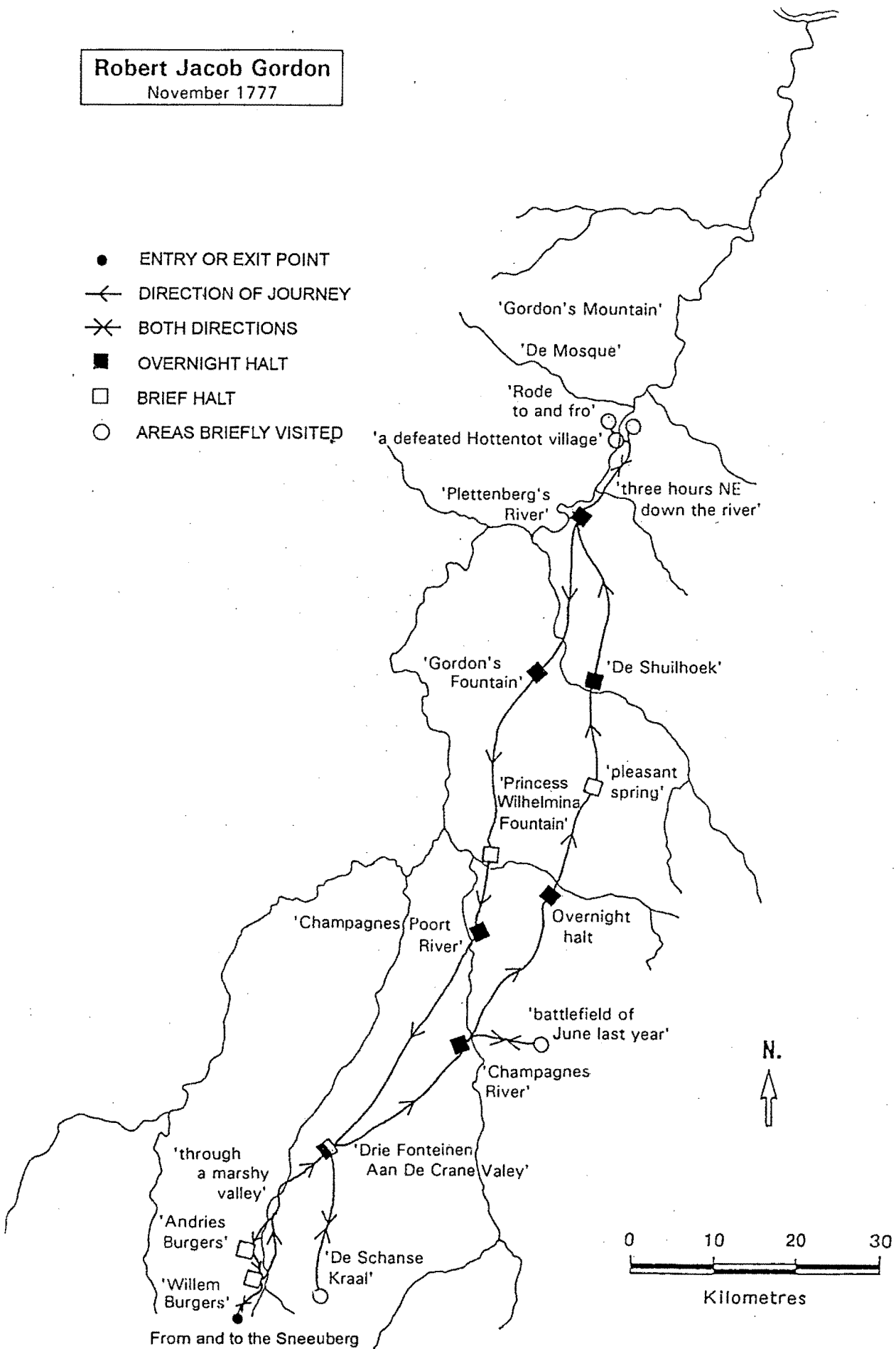


FIGURE 3-2: Route travelled by Robert Jacob Gordon across the valley (November 1777).

Governor J. van Plettenberg

Sept. and Oct. 1778

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

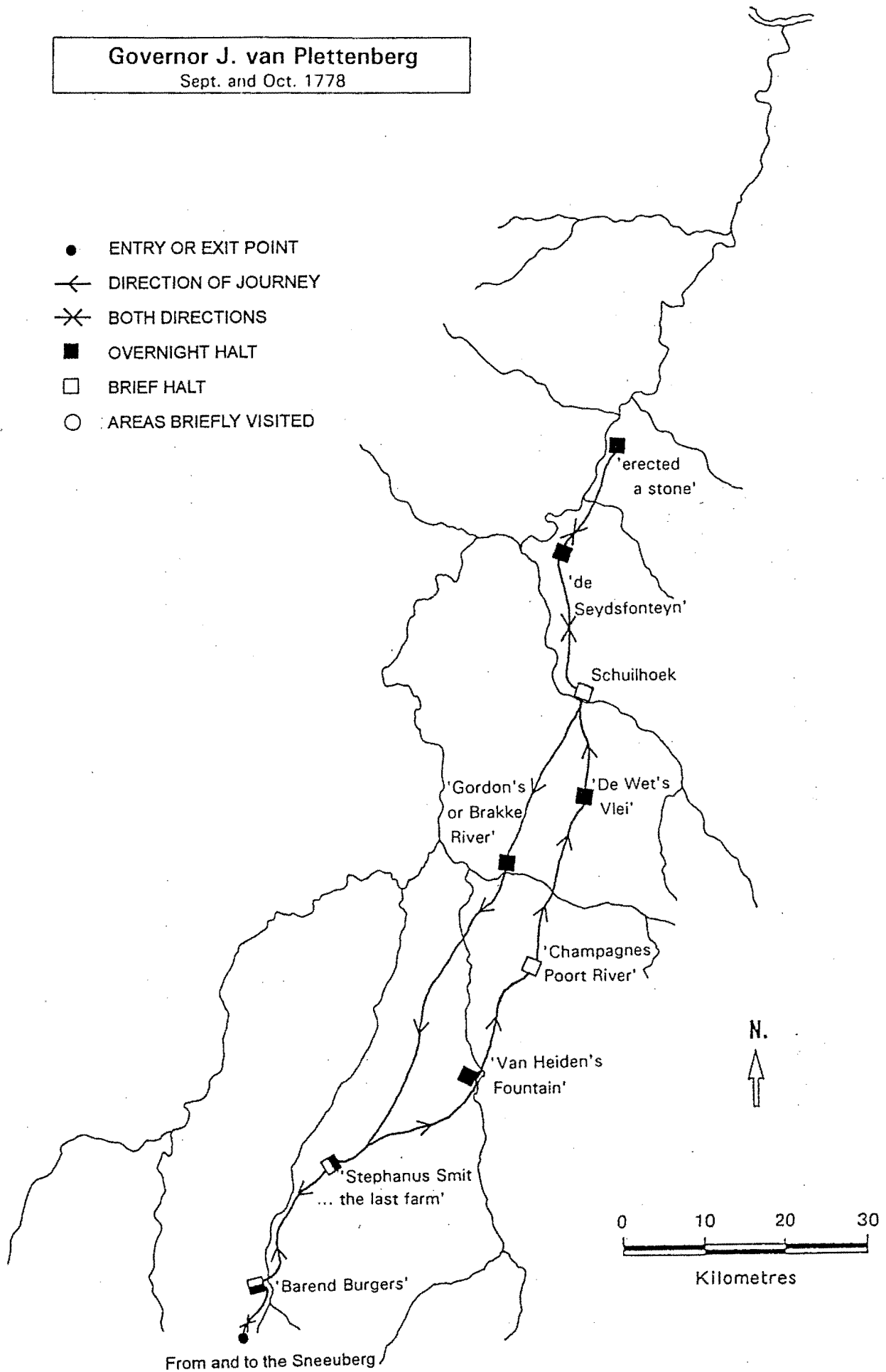


FIGURE 3-3: Route travelled by Governor Joachim van Plettenberg across the valley (Sept. & Oct. 1778).

David de Villiers
June 1786

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

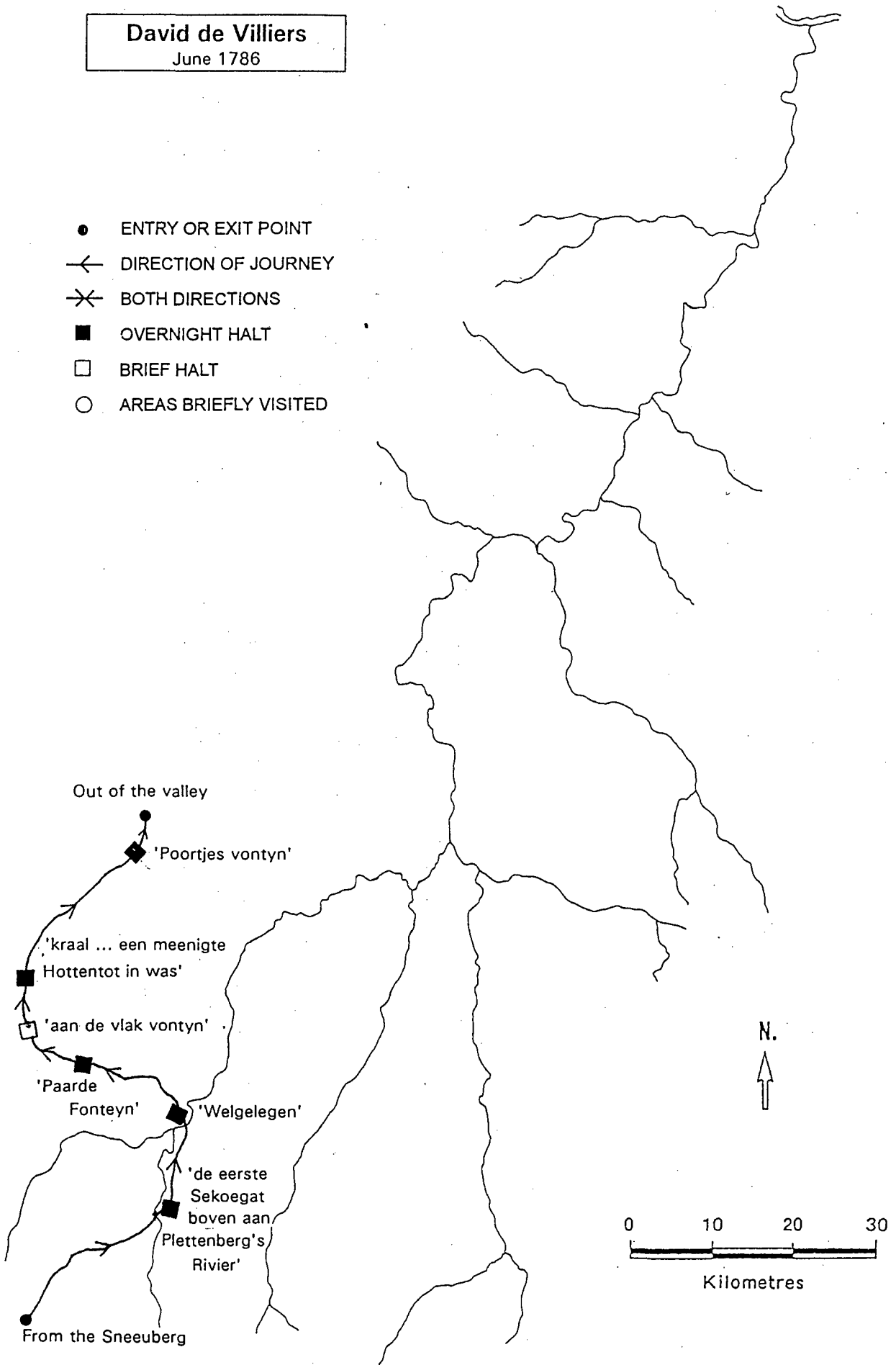


FIGURE 3-4: Route travelled by David de Villiers across the valley (June 1786).

John Barrow
October 1797

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

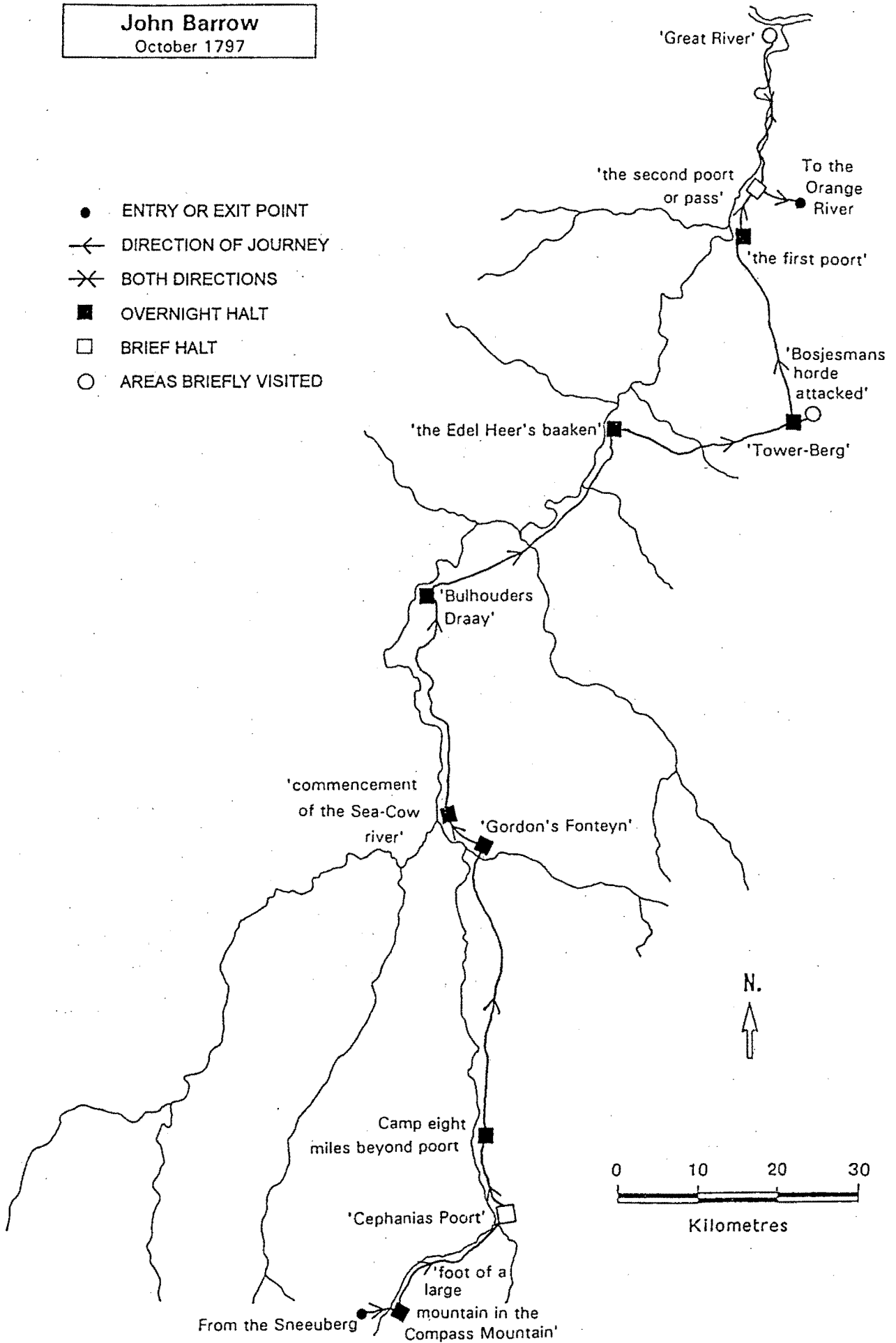


FIGURE 3-5: Route travelled by John Barrow across the valley (October 1797).

**Governor Janssens, Di Capelli,
Lichtenstein and Van Reenan**
July 1803

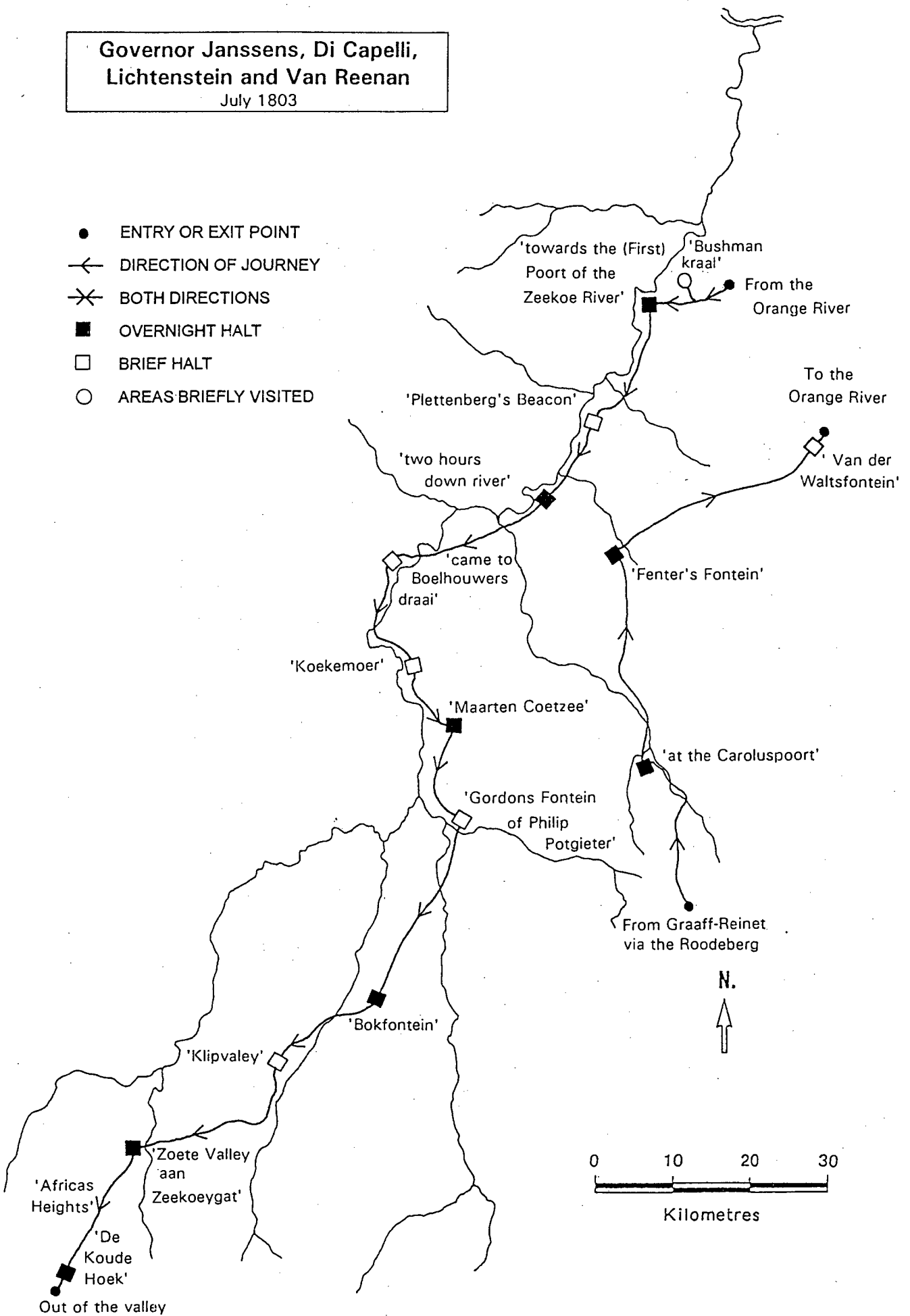


FIGURE 3-6: Route travelled by Governor Janssens, Di Capelli, Lichtenstein and Van Reenan across the valley (July 1803).

Cnl. Collins and A. Stockenstrom
January 1809

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

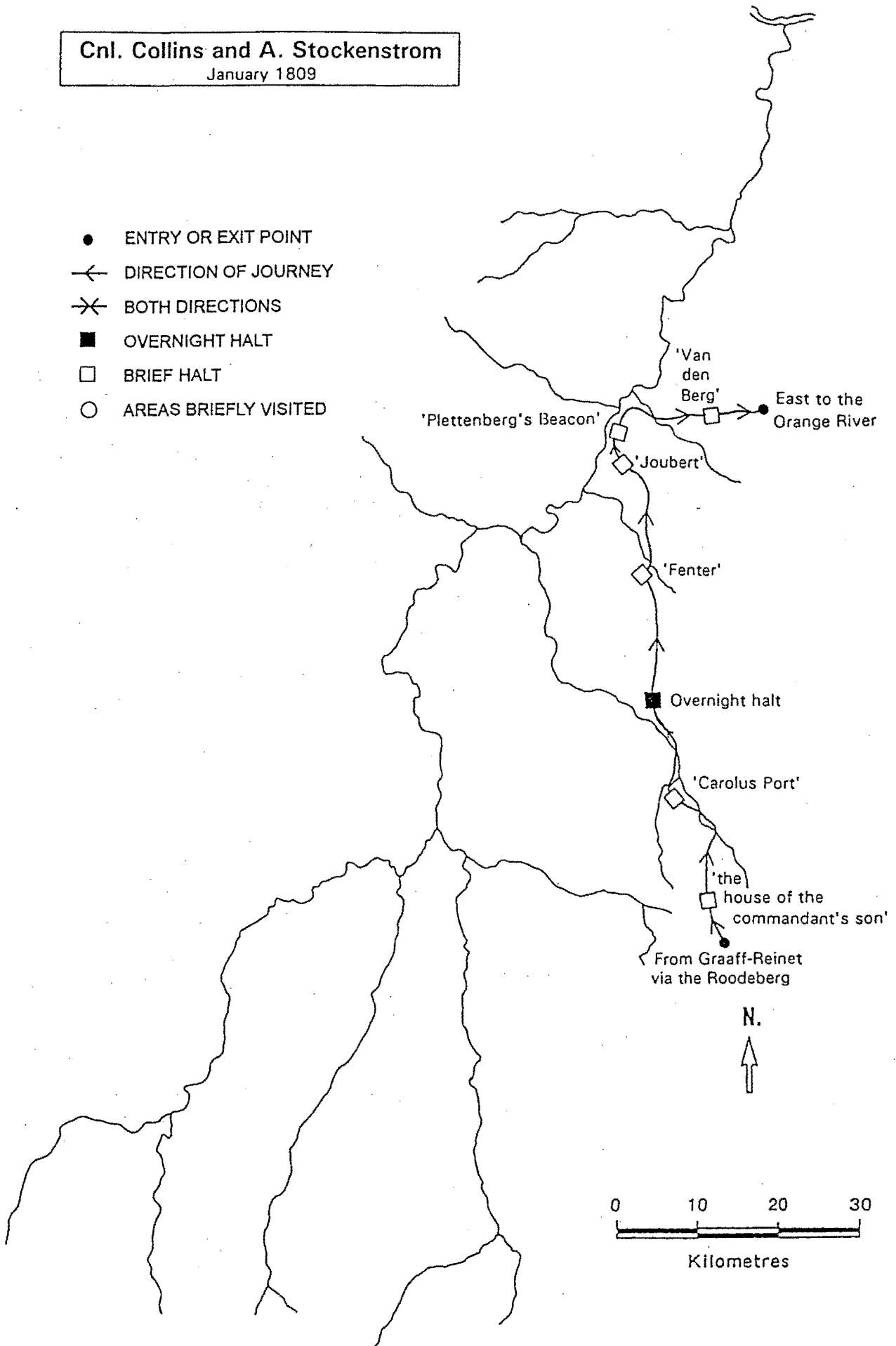


FIGURE 3-7: Route travelled by Colonel Collins and Andries Stockenstrom across the valley (January 1809).

William J. Burchell
 March and May 1812

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

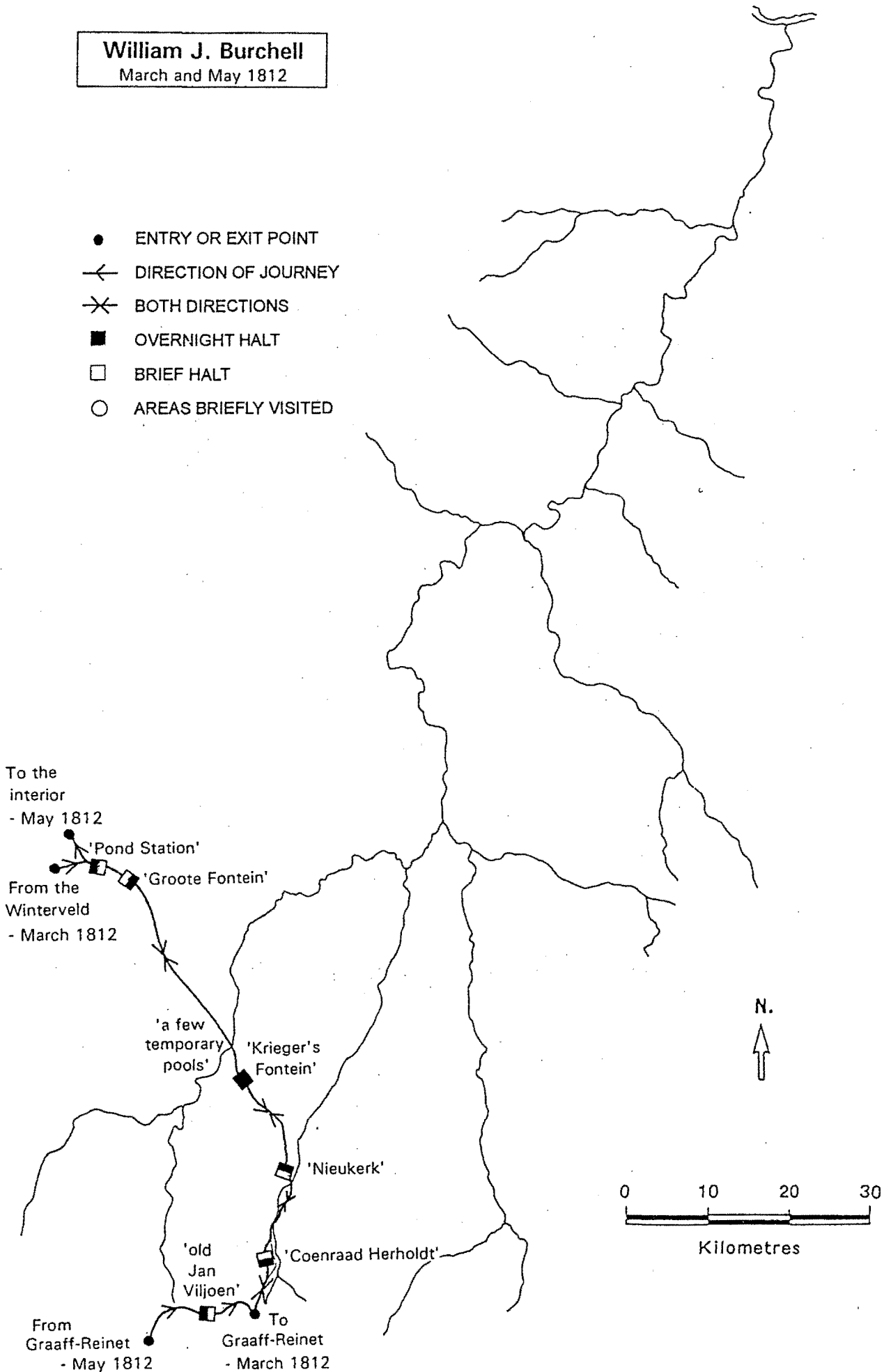


FIGURE 3-8: Route travelled by William John Burchell across the valley (March 1812).

E. Smit and W.F. Corner
June 1815

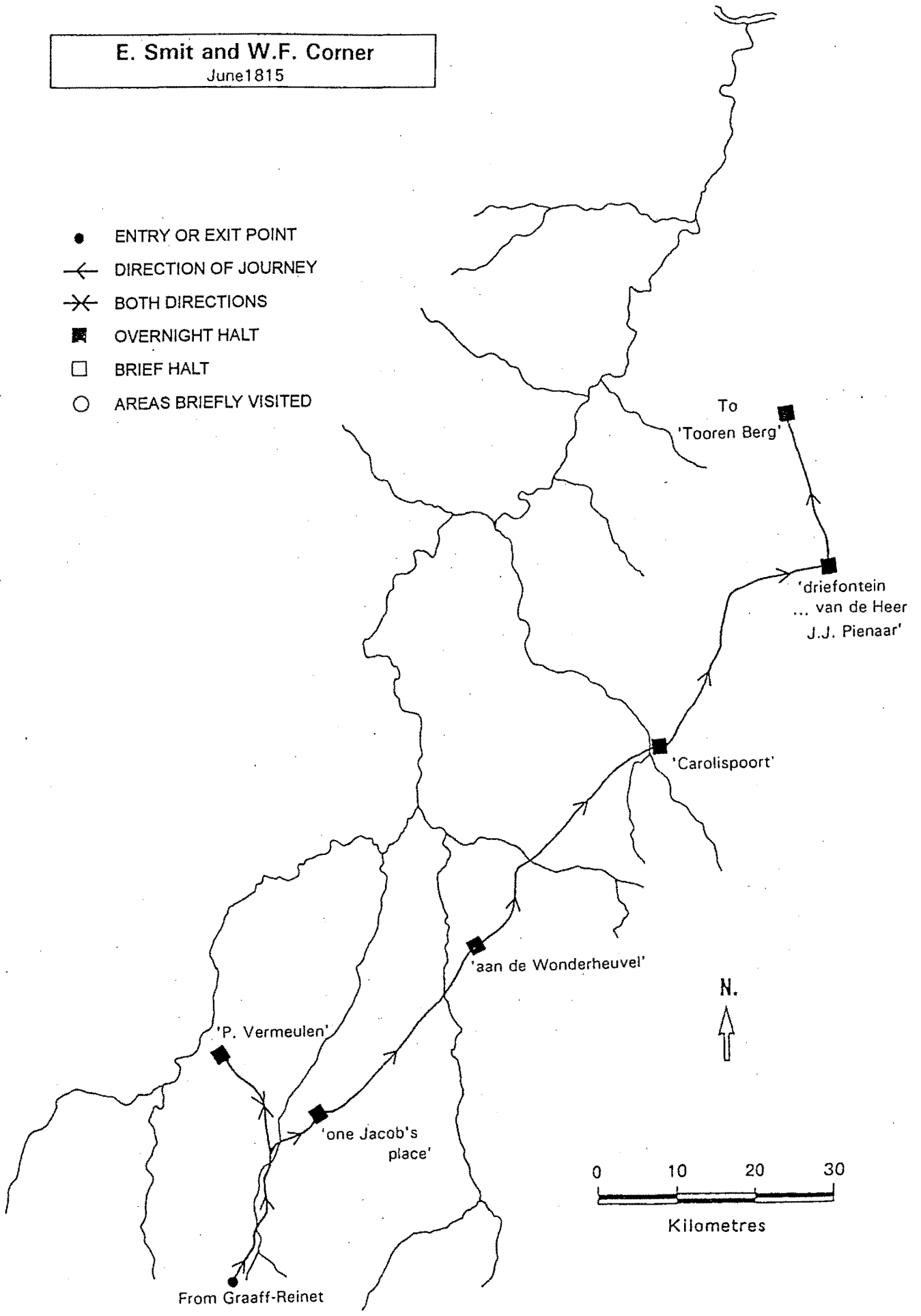


FIGURE 3-9: Route travelled by Erasmus Smit and William F. Corner across the valley (1815).

Rev. John Campbell
September 1820

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

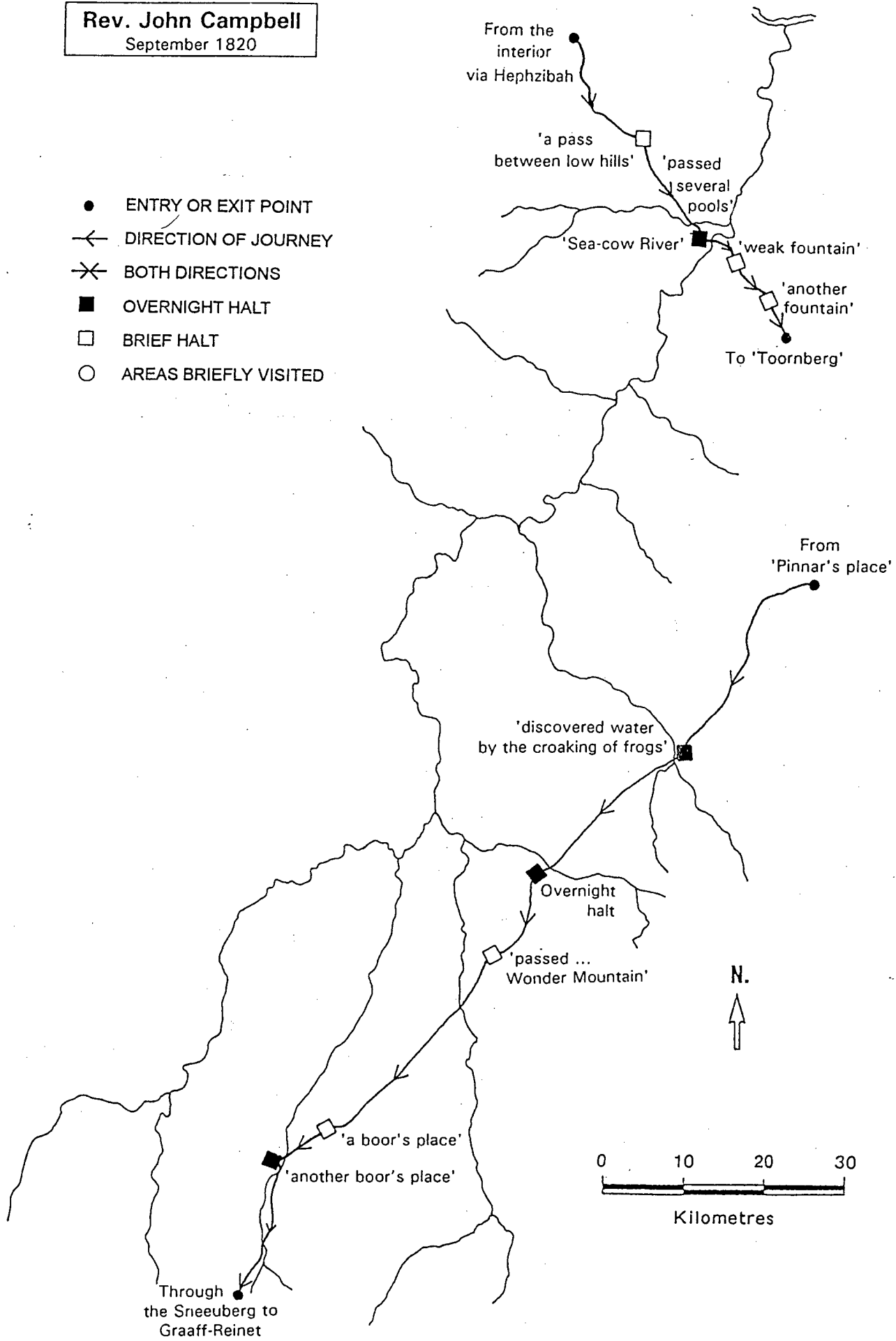


FIGURE 3-10: Route travelled by Reverend John Campbell across the valley (September 1820).

George Thompson

June 1823

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

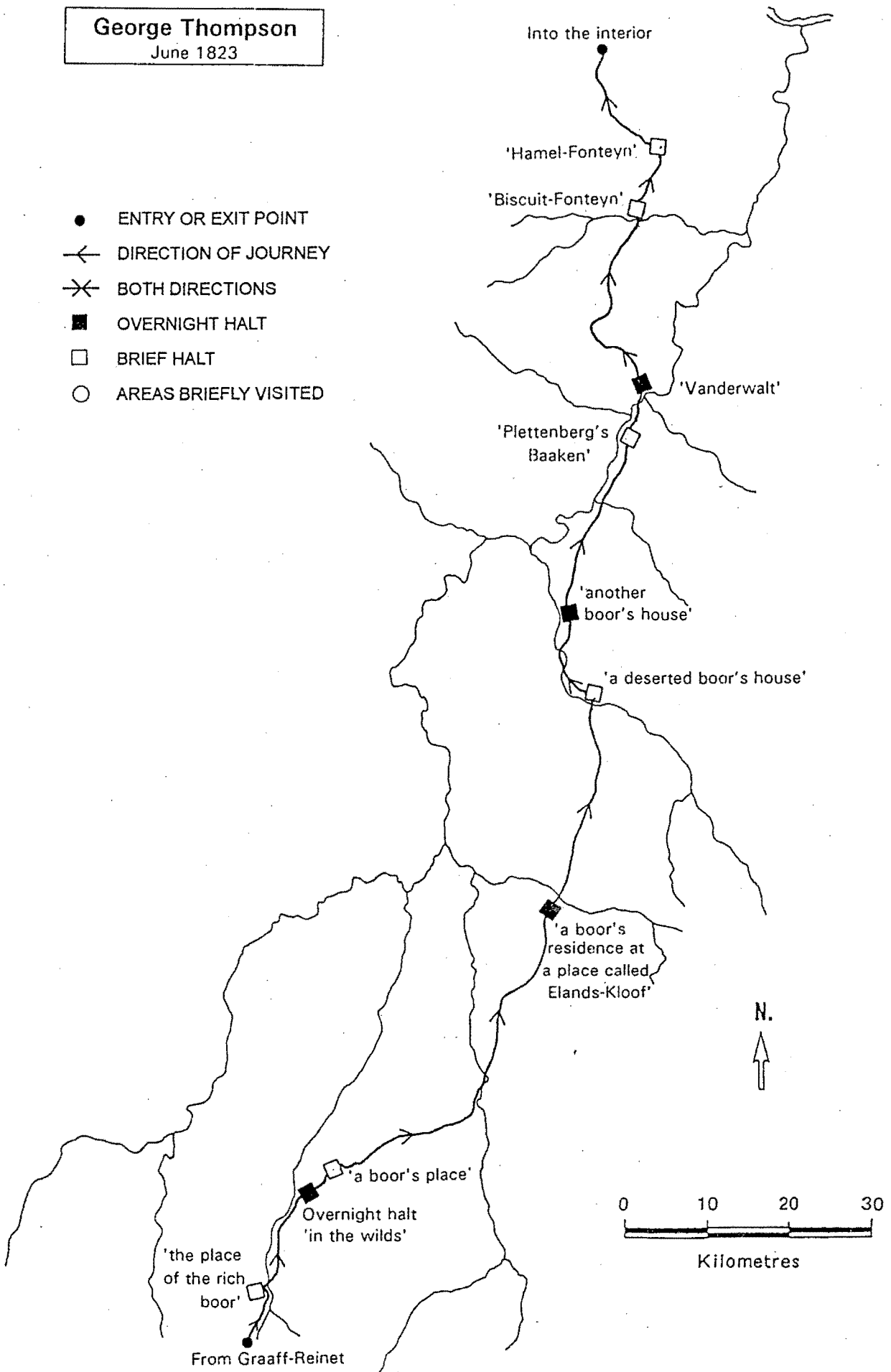


FIGURE 3-11: Route travelled by George Thompson across the valley (June 1823).

Rev. John Philip
August 1825

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

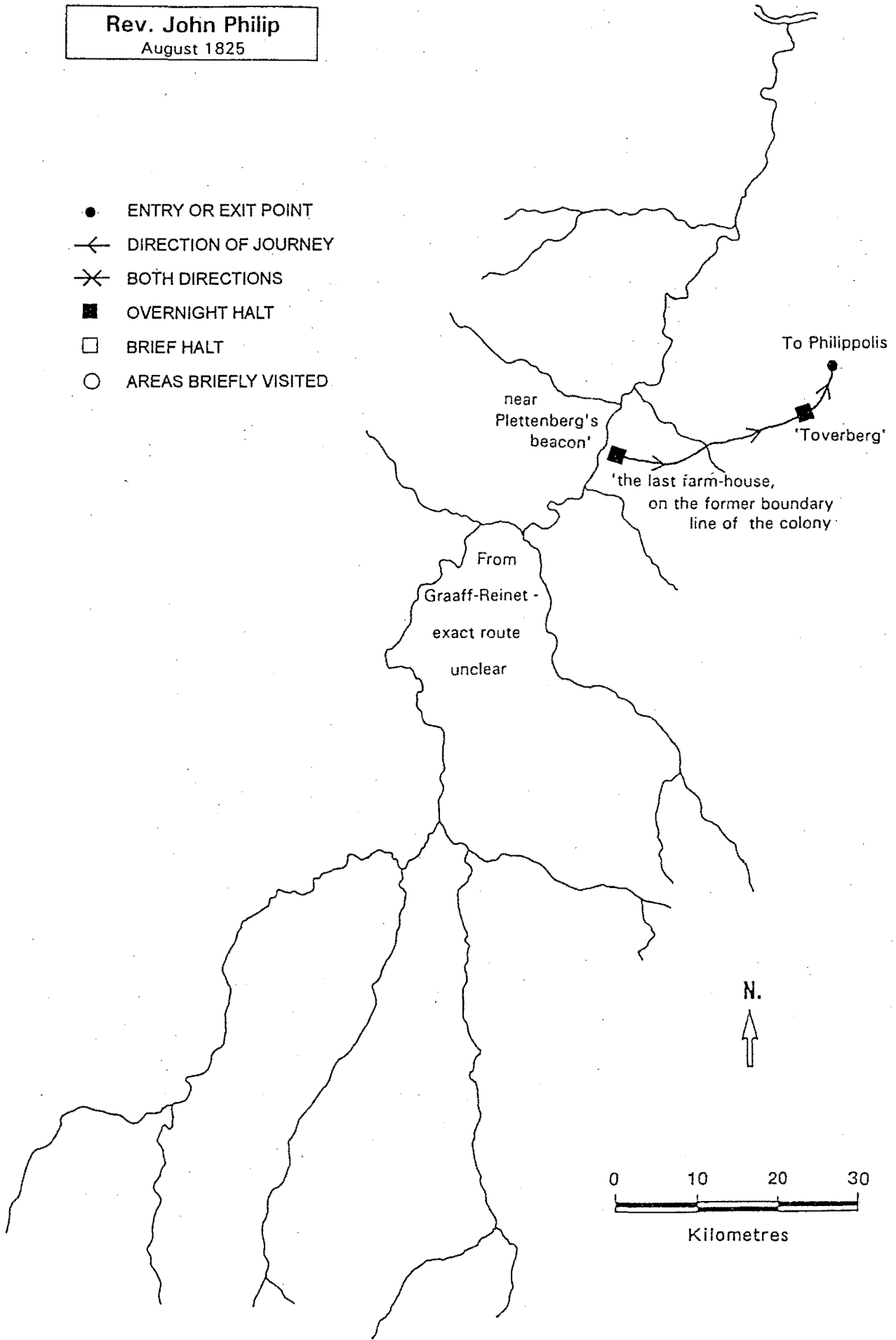


FIGURE 3-12: Route travelled by Reverend John Philip across the valley (August 1825).

Andrew Steedman
November 1830

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

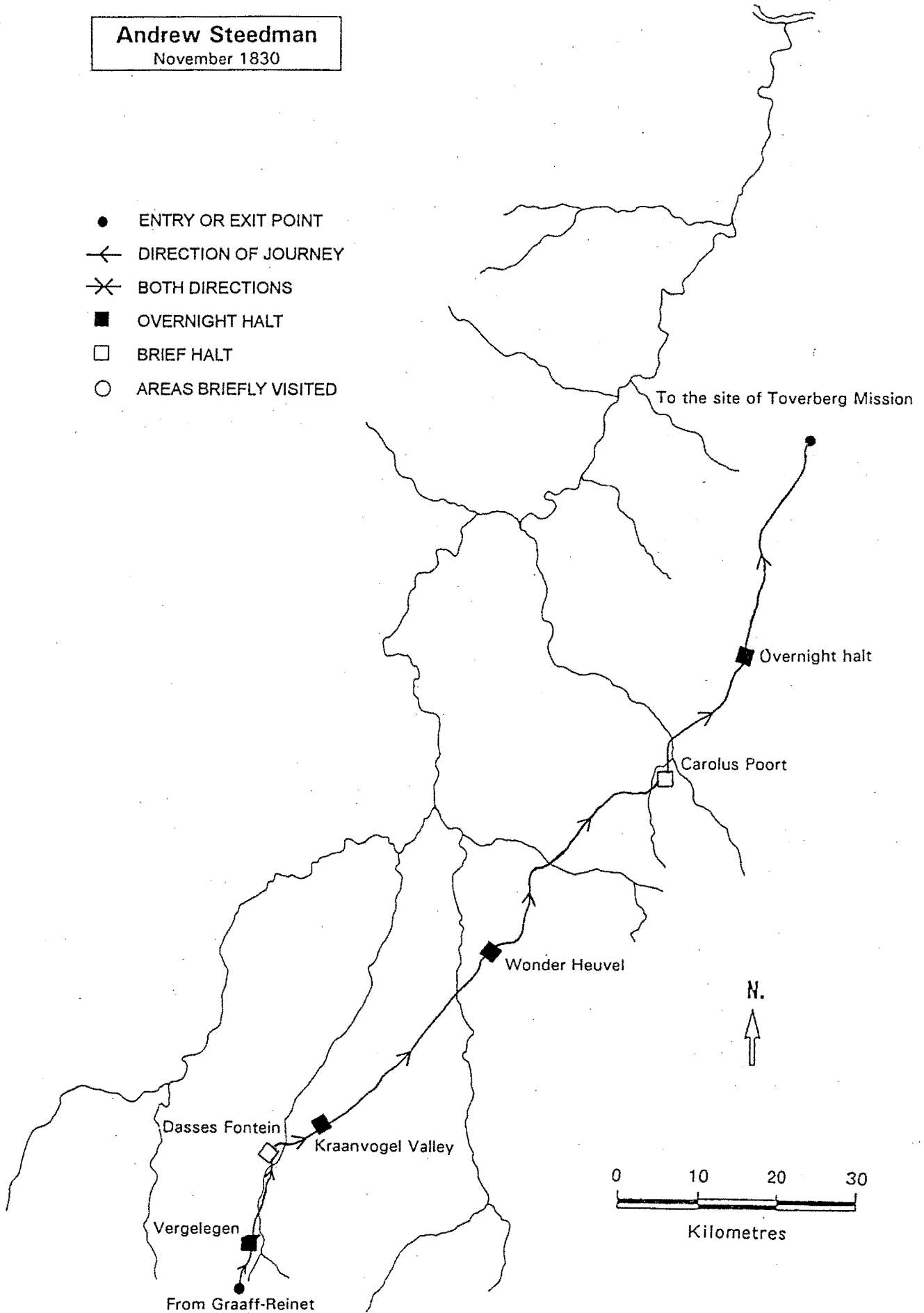


FIGURE 3-13: Route travelled by Andrew Steedman across the valley (November 1830).

Eugene Casalis
1832

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

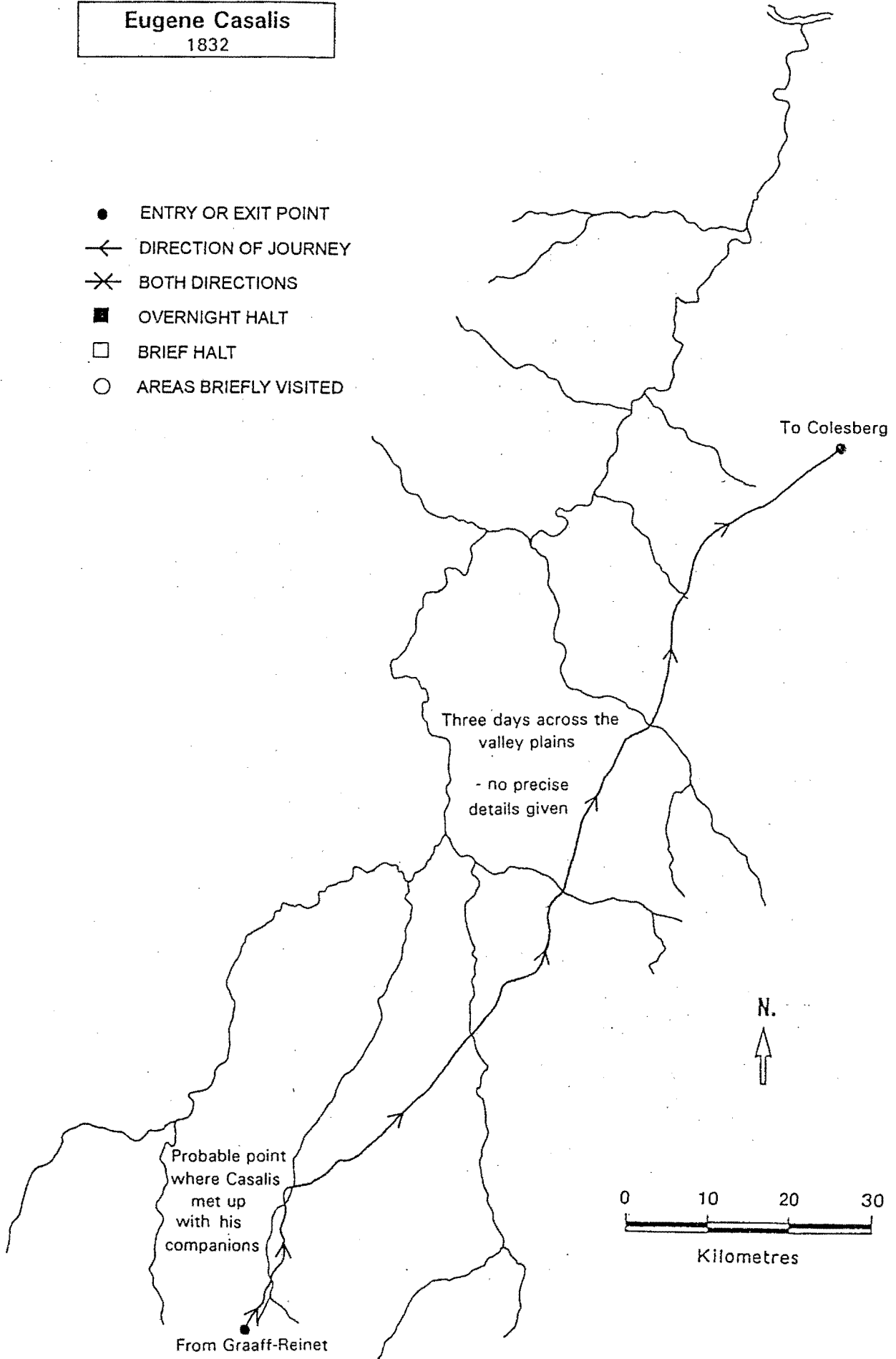


FIGURE 3-14: Route travelled by Eugene Casalis across the valley (1832).

Dr. Andrew Smith

1834 and 1835

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

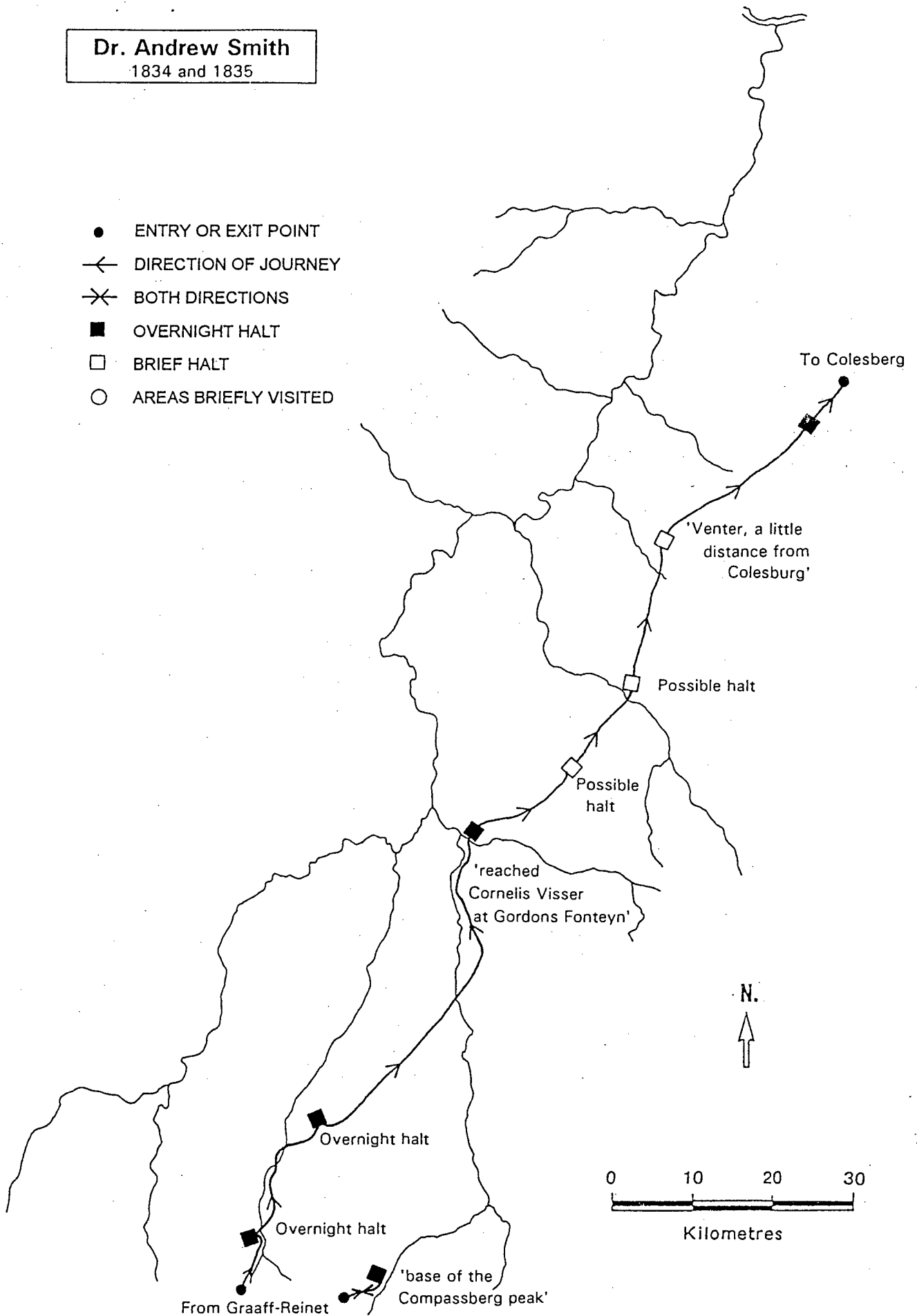


FIGURE 3-15: Route travelled by Andrew Smith across the valley (1834 & 1835).

Capt. William Cornwallis Harris
1836 and 1837

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

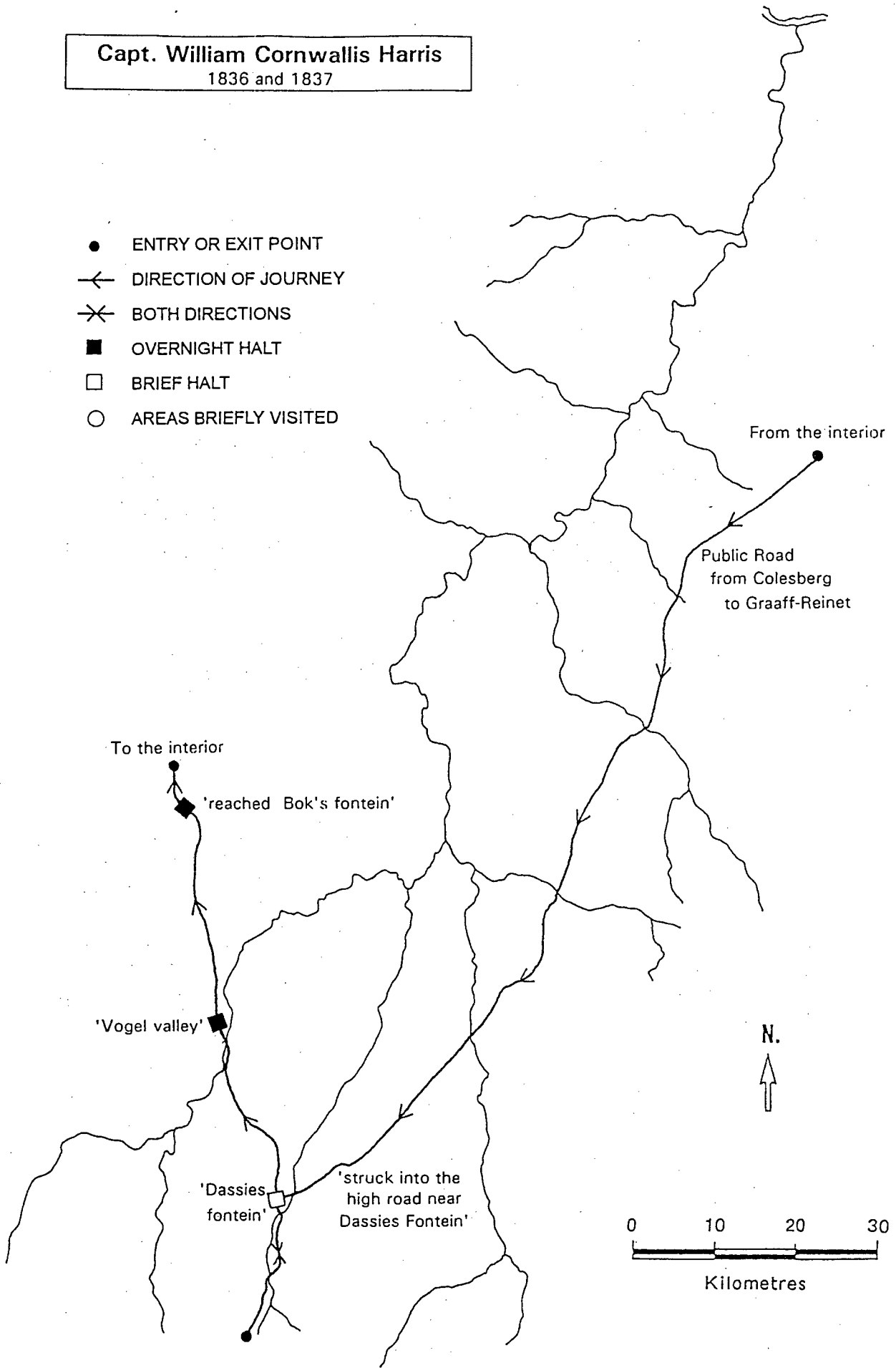


FIGURE 3-16: Route travelled by Captain William Cornwallis Harris across the valley (1836 & 1837).

James Backhouse
June 1839

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

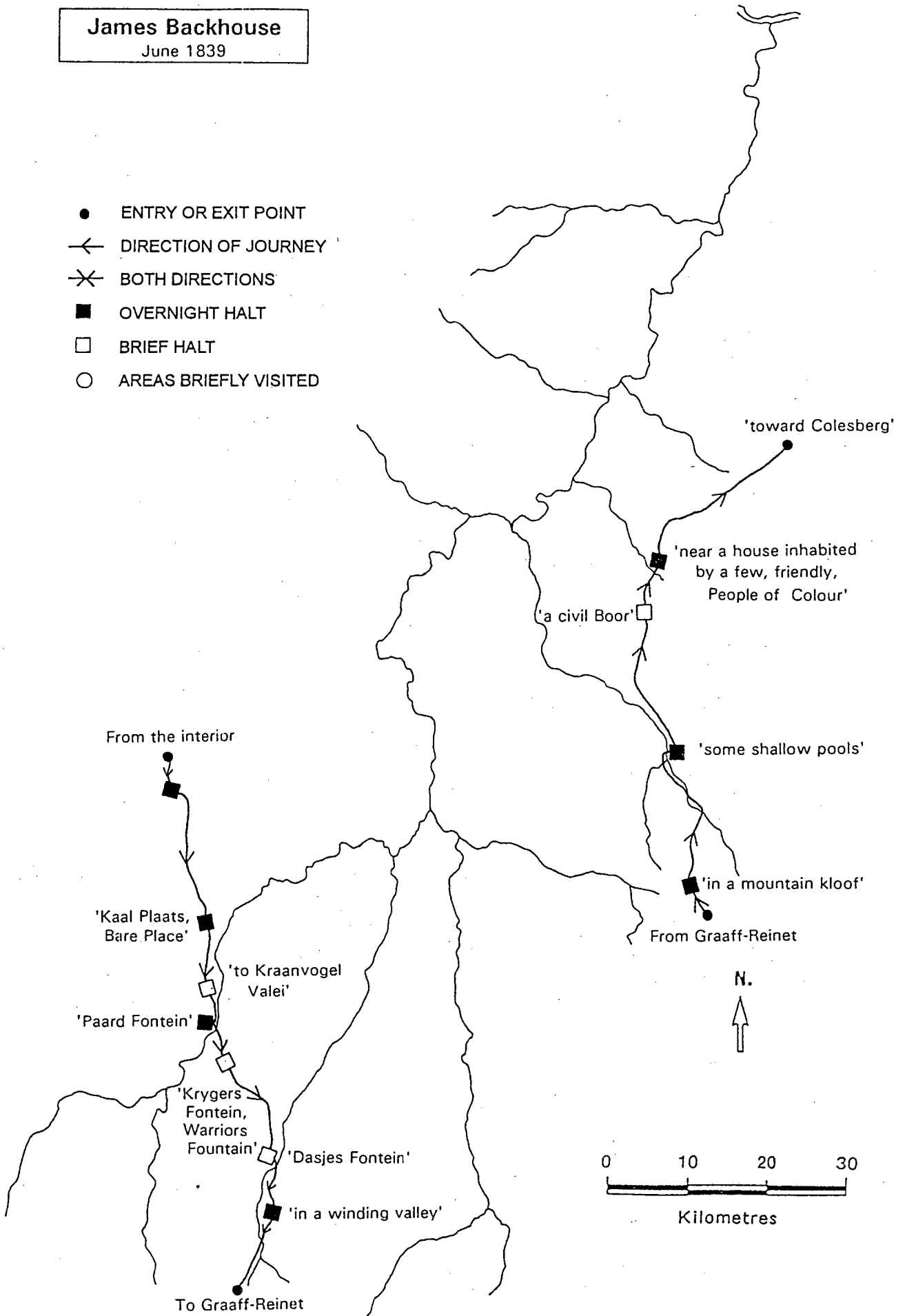


FIGURE 3-17: Route travelled by James Backhouse across the valley (June 1839).

George Nicholson
1843-1844

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

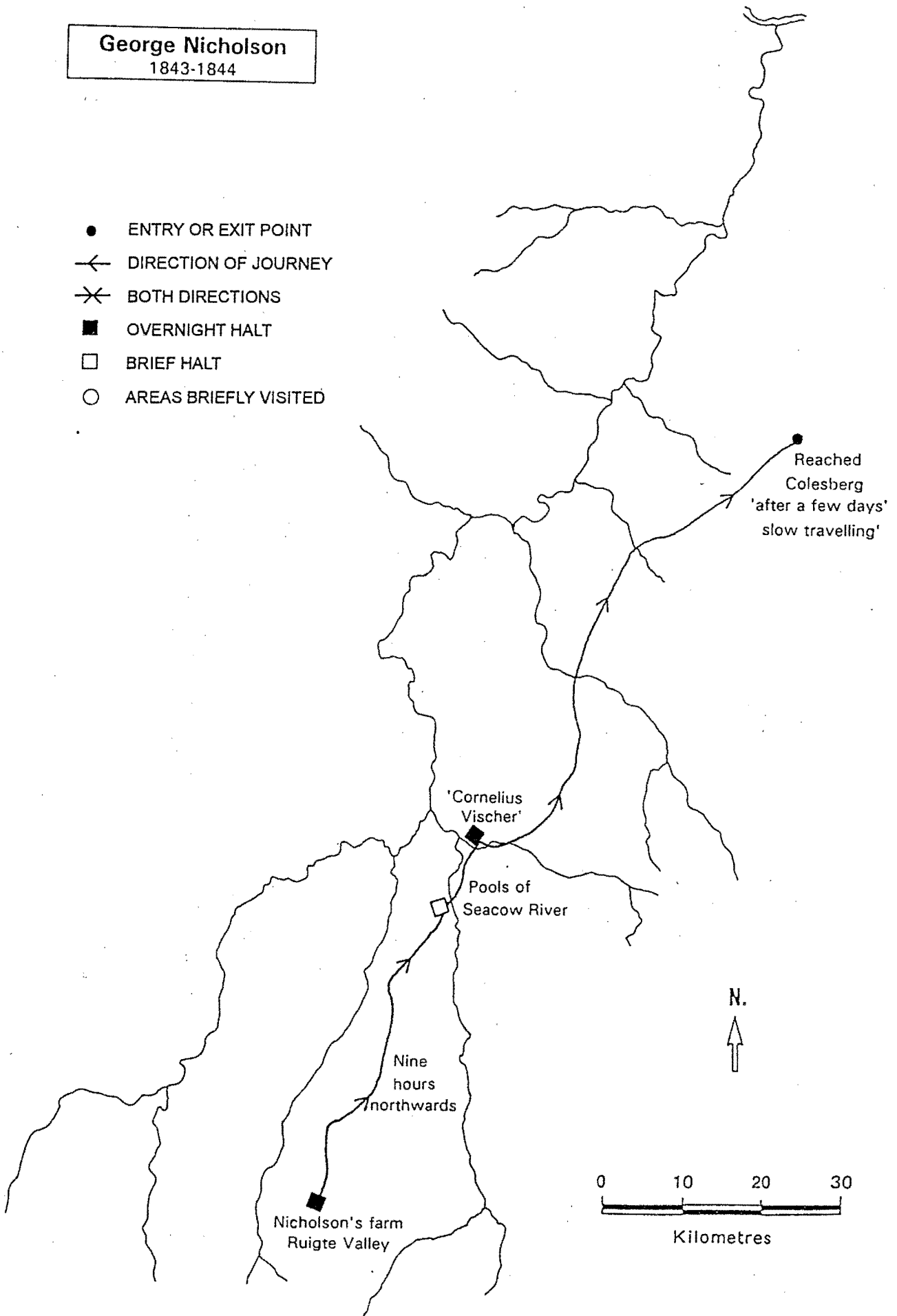


FIGURE 3-18: Route travelled by George Nicholson across the valley (1843 - 1844).

R. Gordon Cumming
Oct. - Nov. 1844

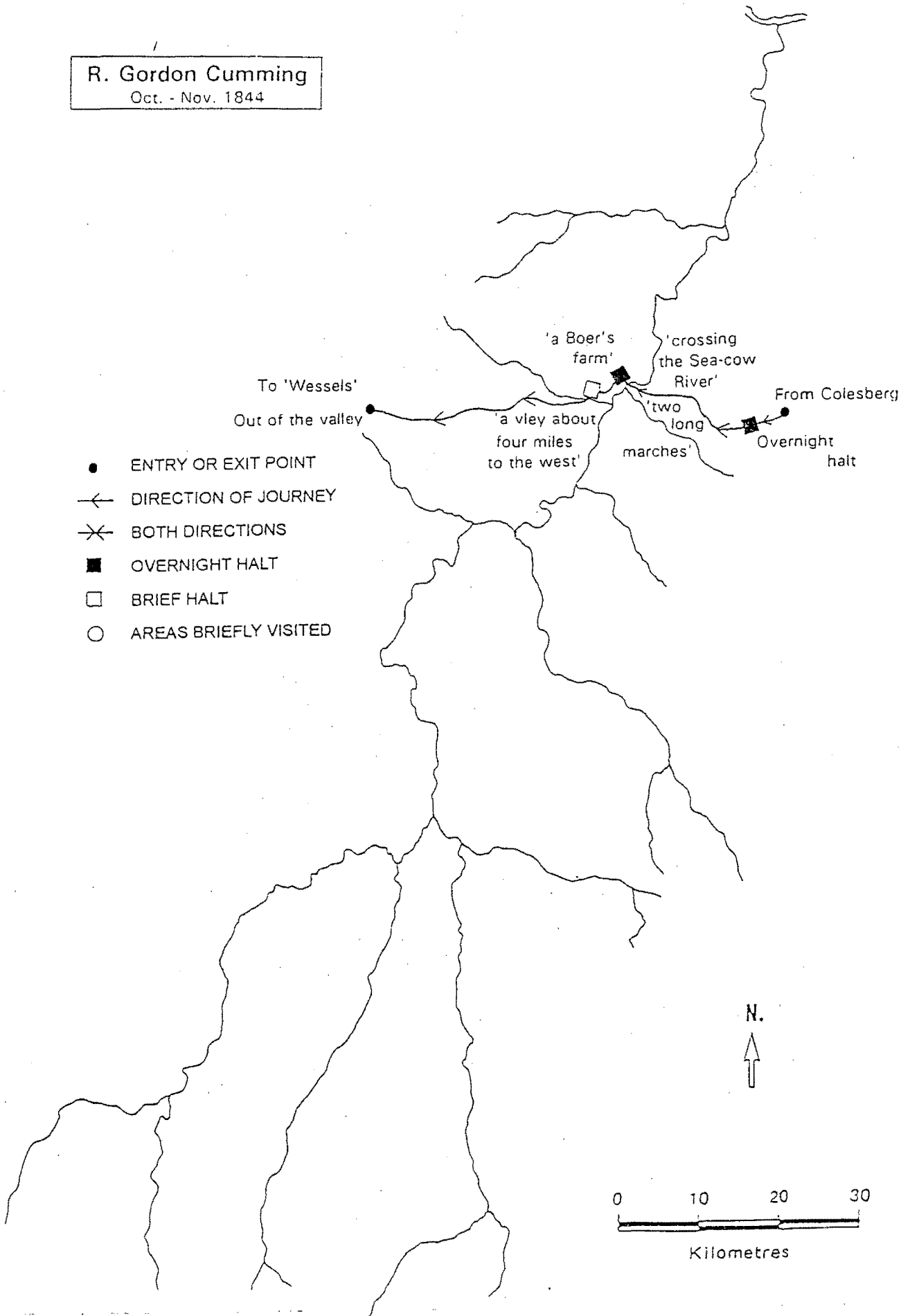


FIGURE 3-19: Route travelled by R. Gordon Cumming across the valley (Oct. & Nov. 1844).

Alfred W. Cole
1848

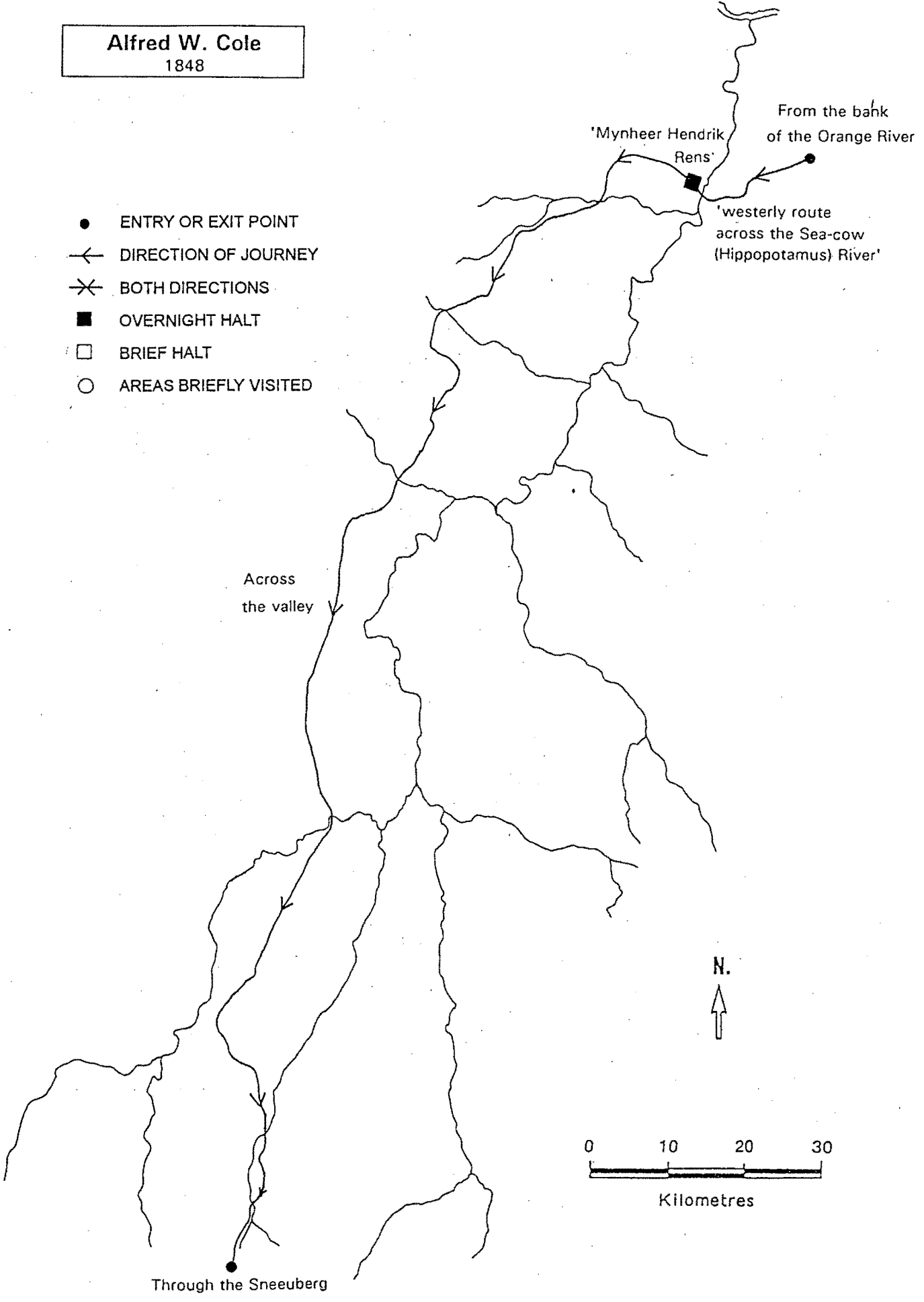


FIGURE 3-20: Route travelled by Andrew W. Cole across the valley (1848).

Bishop Gray
Nov. 1848 and April 1850

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

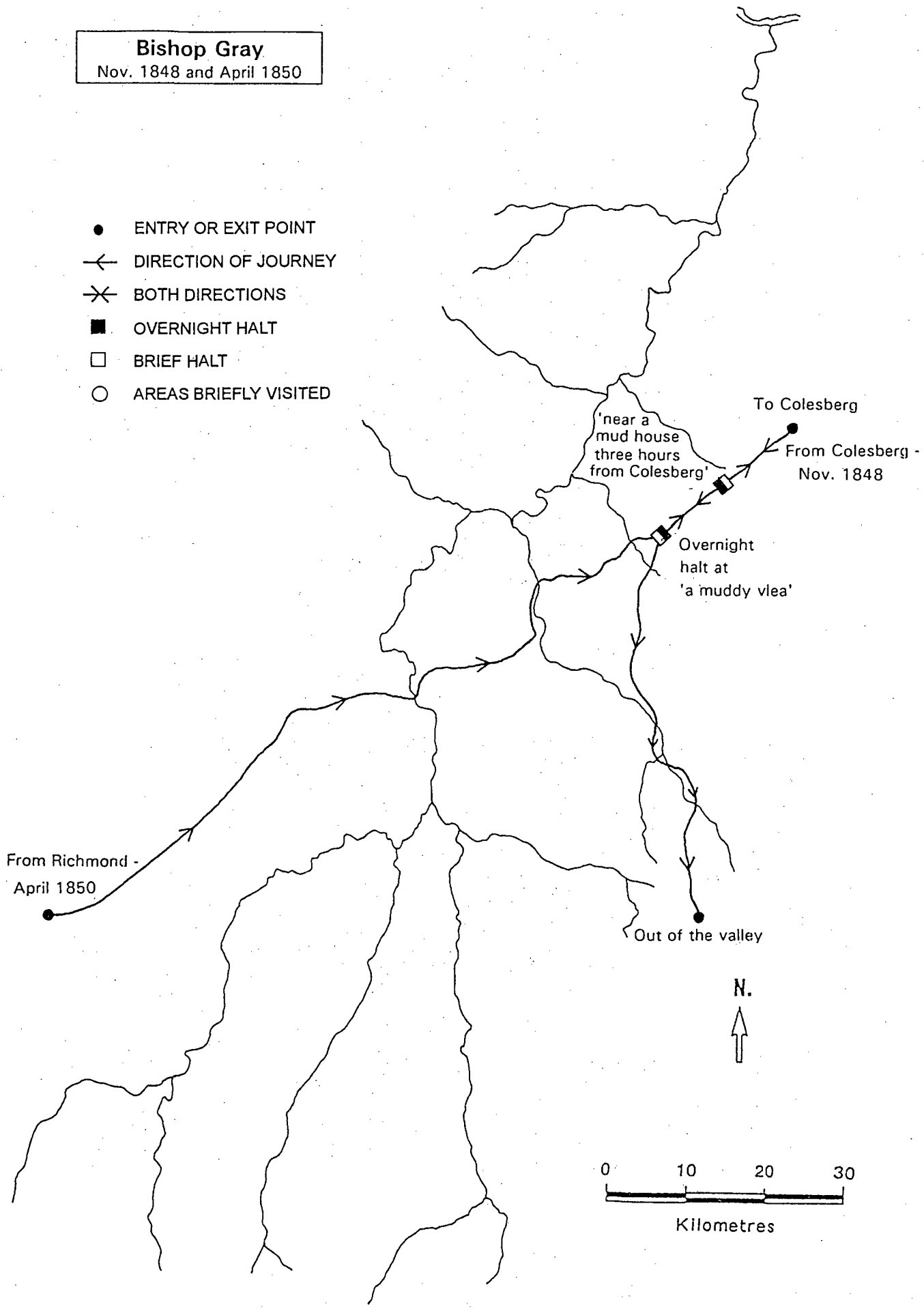


FIGURE 3-21: Route travelled by Bishop Gray across the valley (Nov. 1848 & April 1850).

James Leyland
1848 - 1850

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

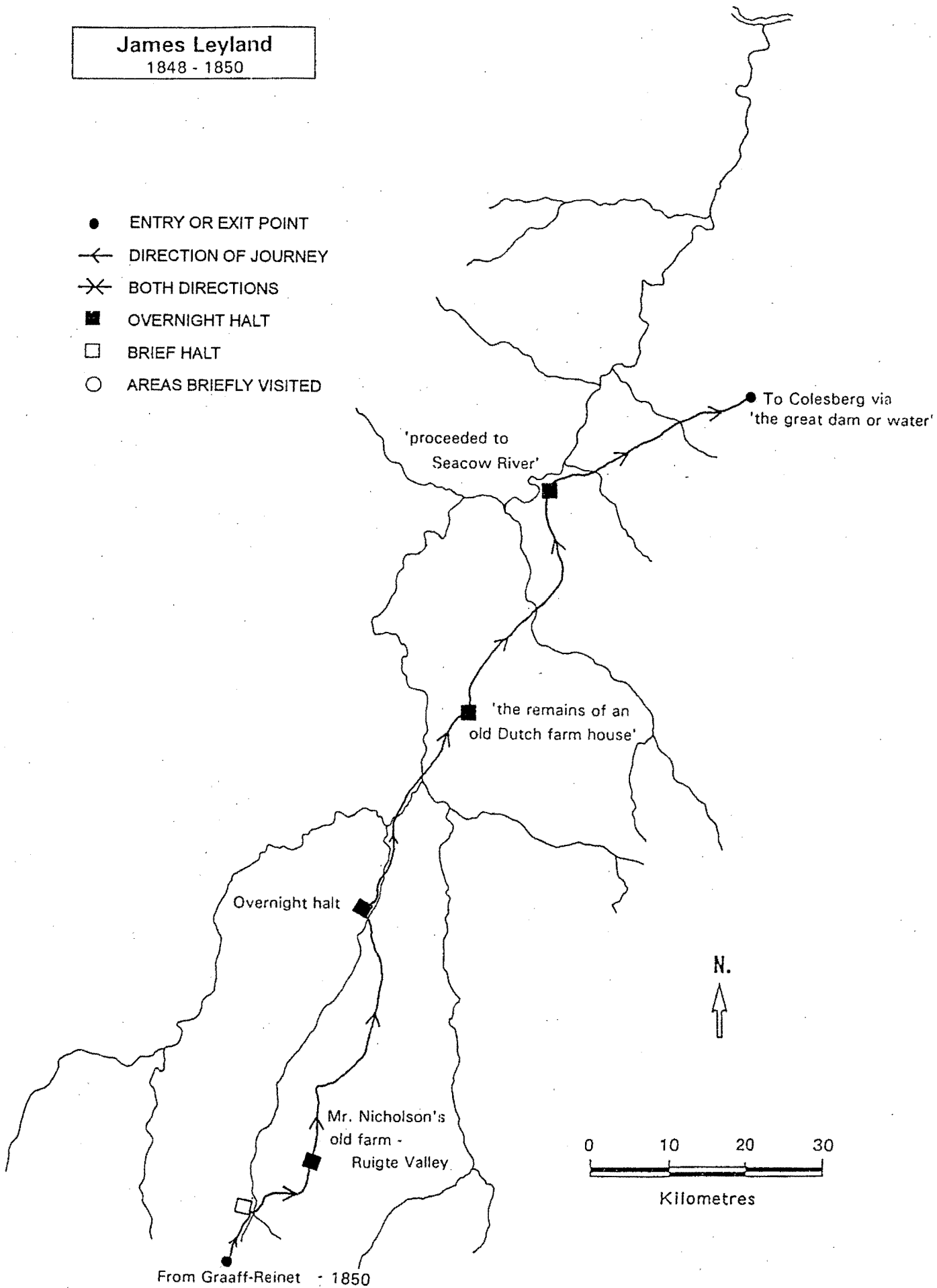


FIGURE 3-23: Route travelled by James Leyland across the valley (1848 - 1850).

H.A.L. Hamelberg

1856

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

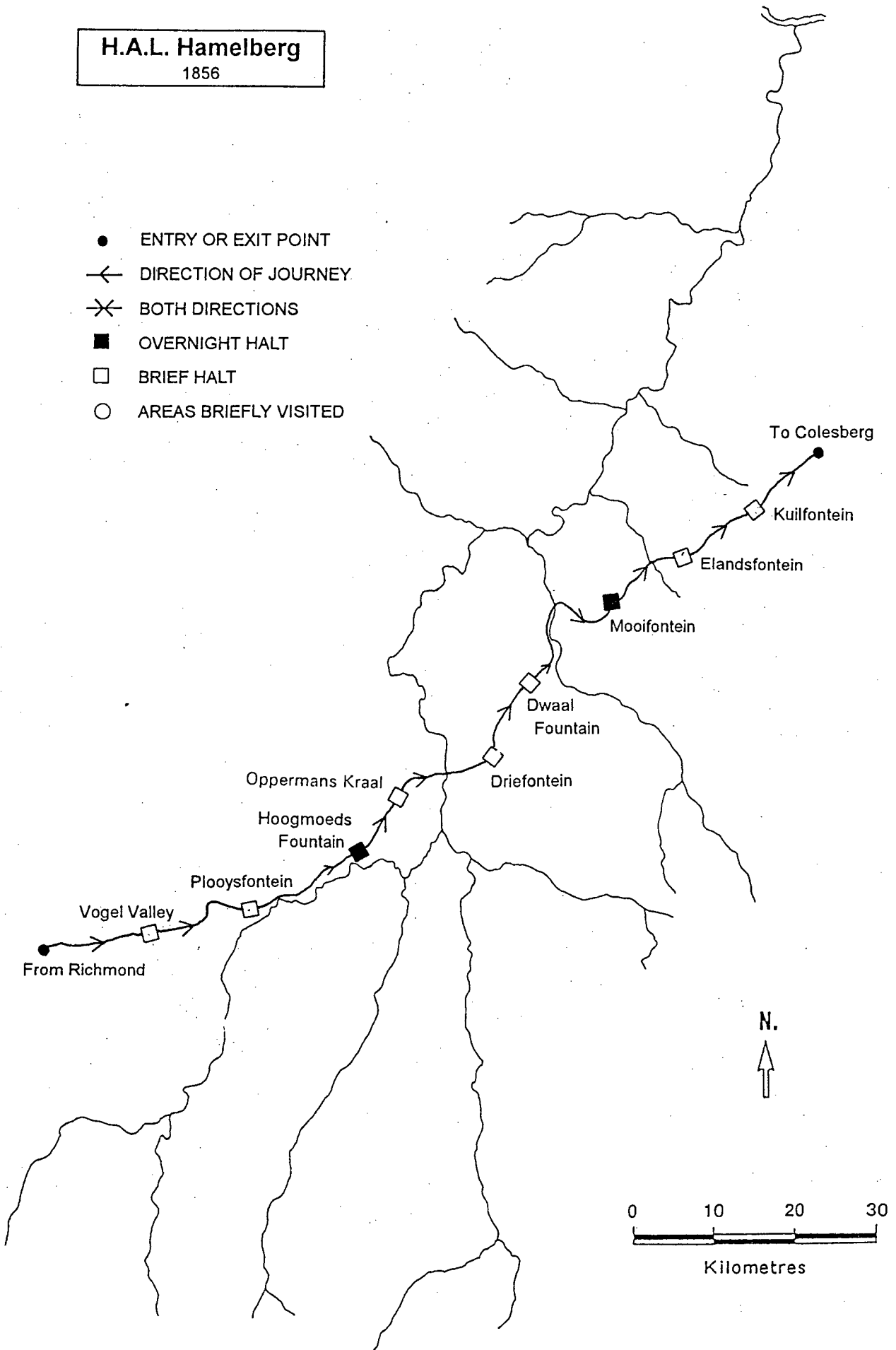


FIGURE 3-24: Route travelled by H.A.L. Hamelberg across the valley (1856).

Dr. Emil Holub
1879

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

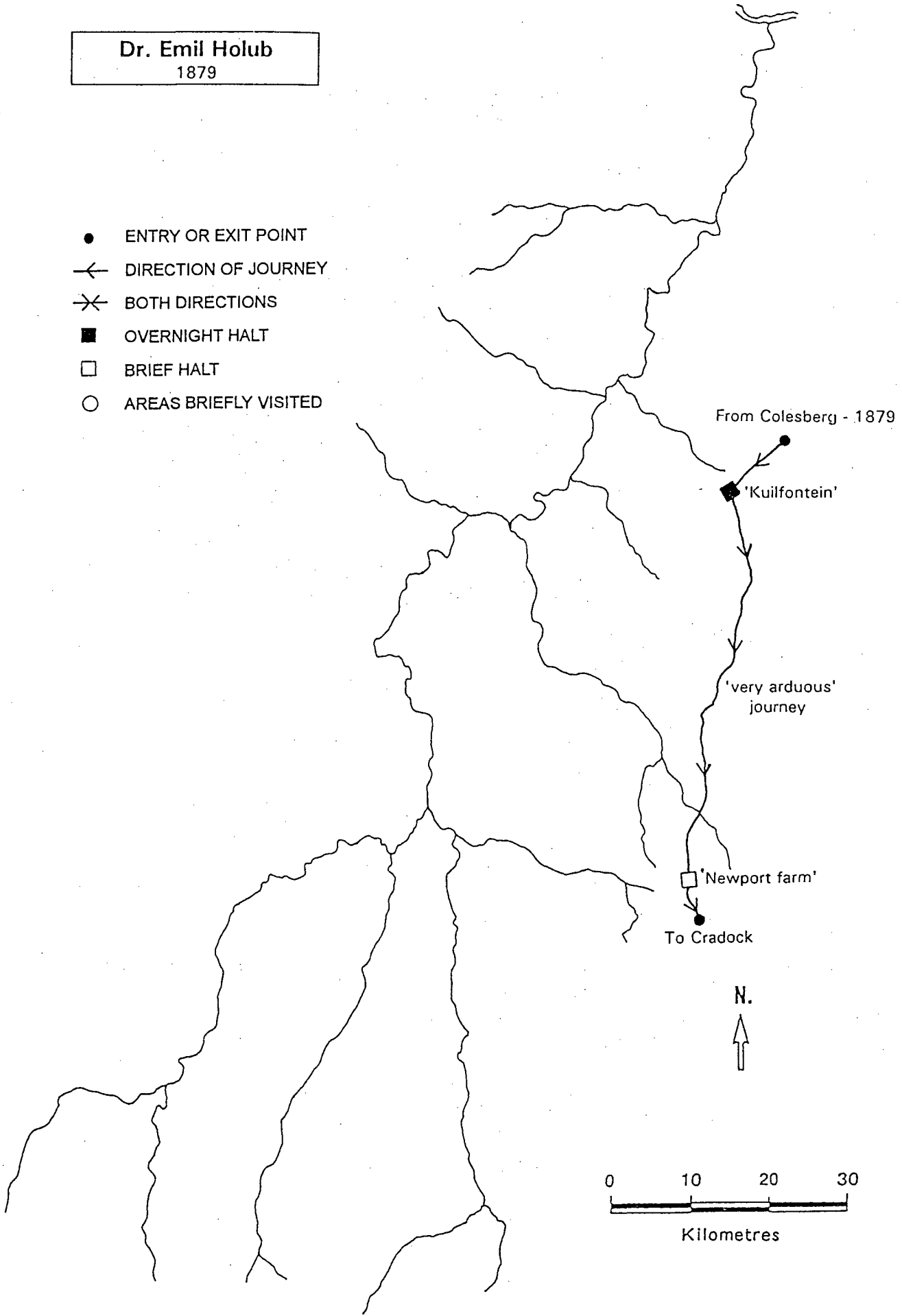


FIGURE 3-25: Route travelled by Dr. Emil Holub (1879).

S.C. Cronwright-Schreiner
1880 - 1881

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

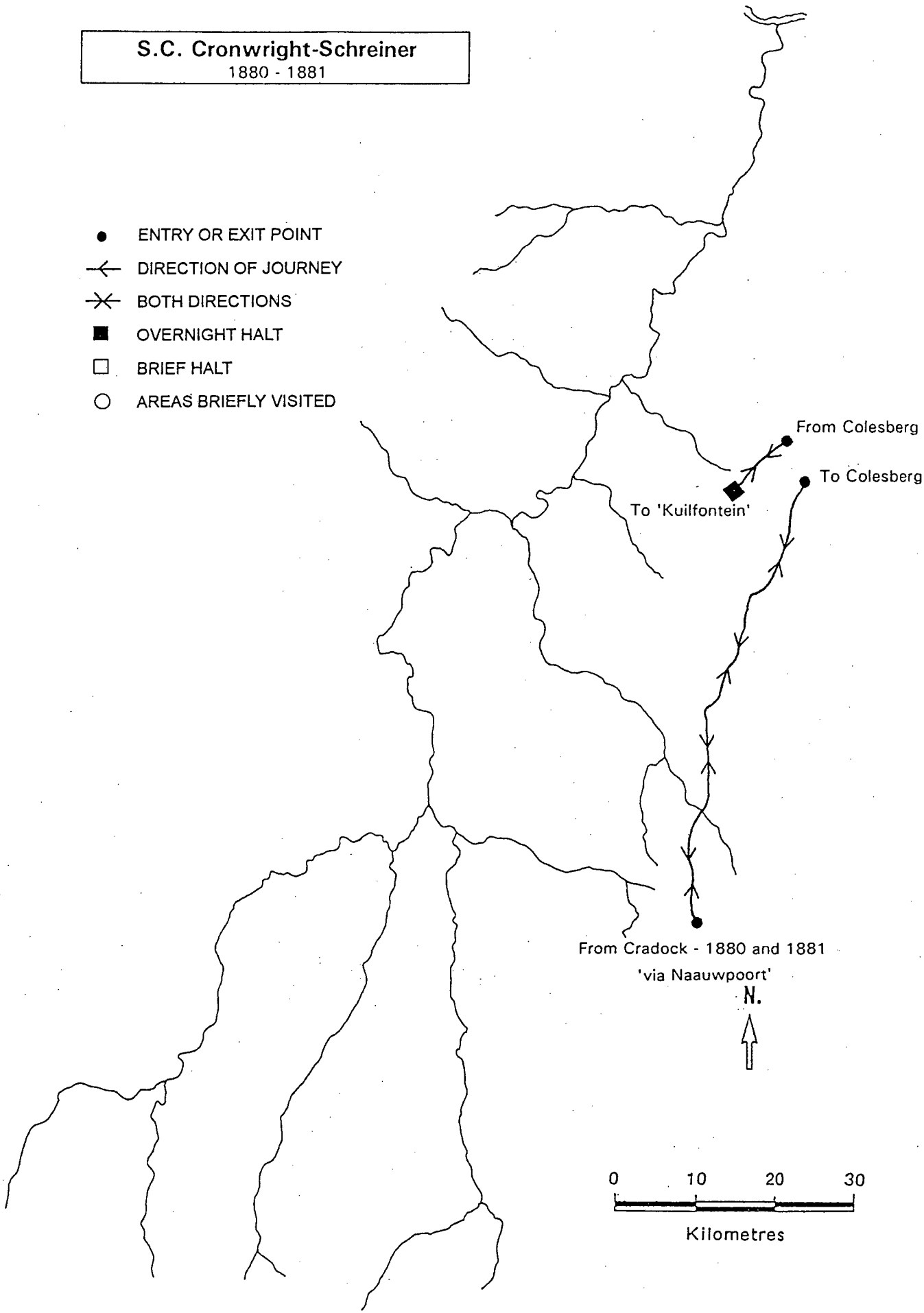


FIGURE 3-26: Route travelled by S.C. Cronwright-Schreiner (1880 - 1881).

M. Weakley
January 1892

- ENTRY OR EXIT POINT
- ← DIRECTION OF JOURNEY
- ↔ BOTH DIRECTIONS
- OVERNIGHT HALT
- BRIEF HALT
- AREAS BRIEFLY VISITED

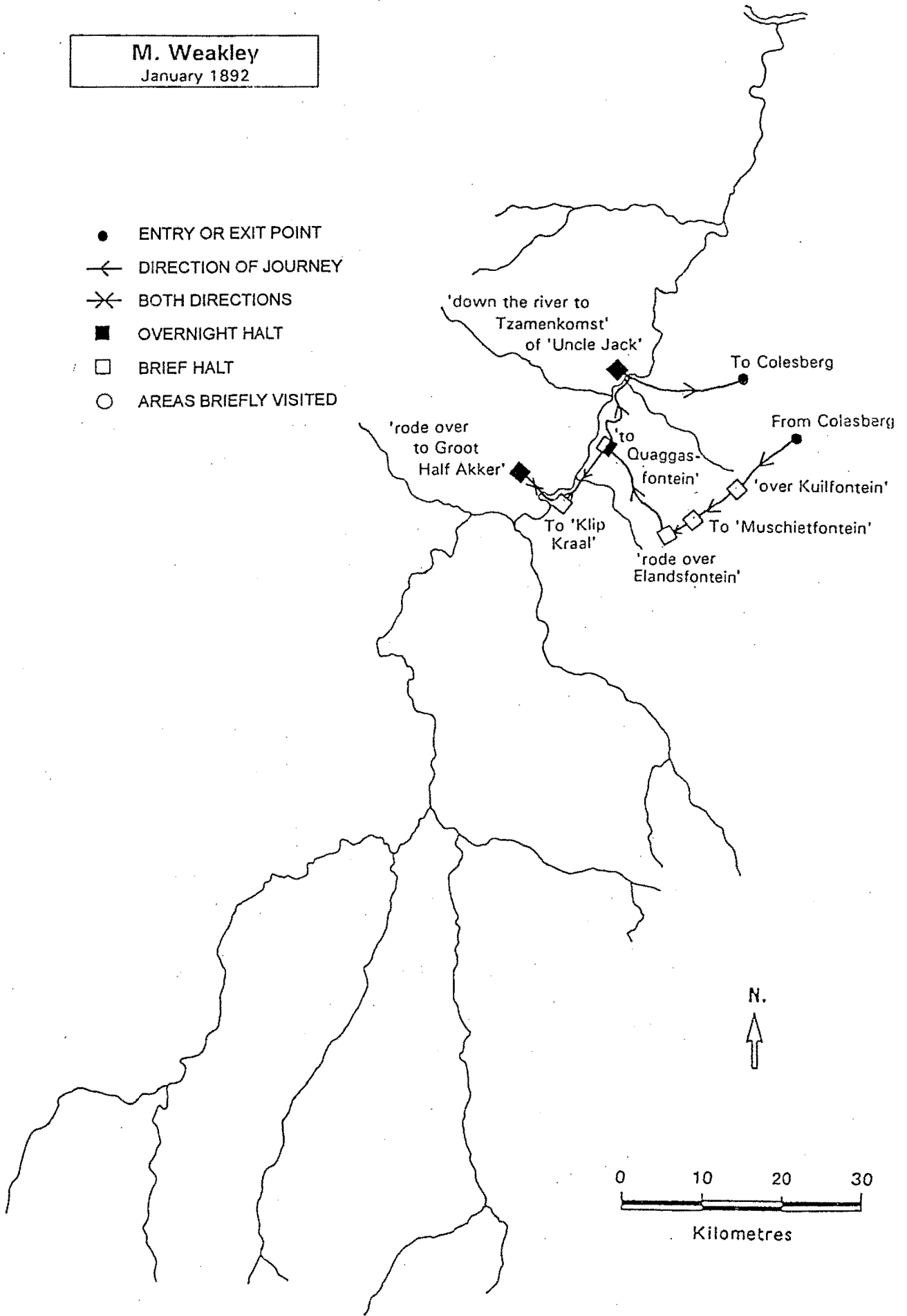


FIGURE 3-27: Route travelled by M. Weakley (1892).

Location of Bushmen camps

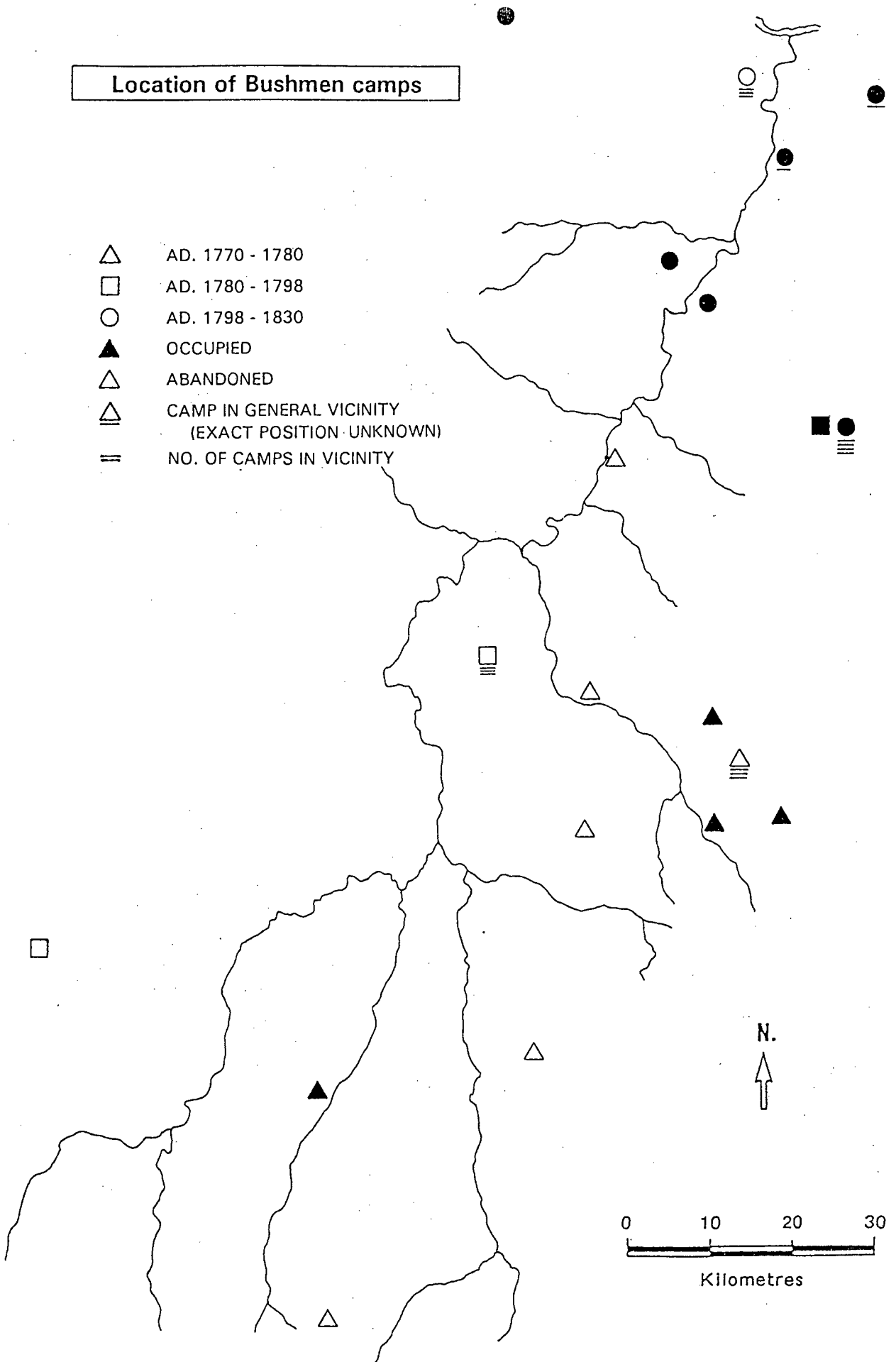


FIGURE 6-1: Localities of Bushmen camps in the late 18th and early 19th centuries.

Number of occupants

- 0 - 15
- 15 - 30
- 30 - 60
- 60 - 110
- 110 +

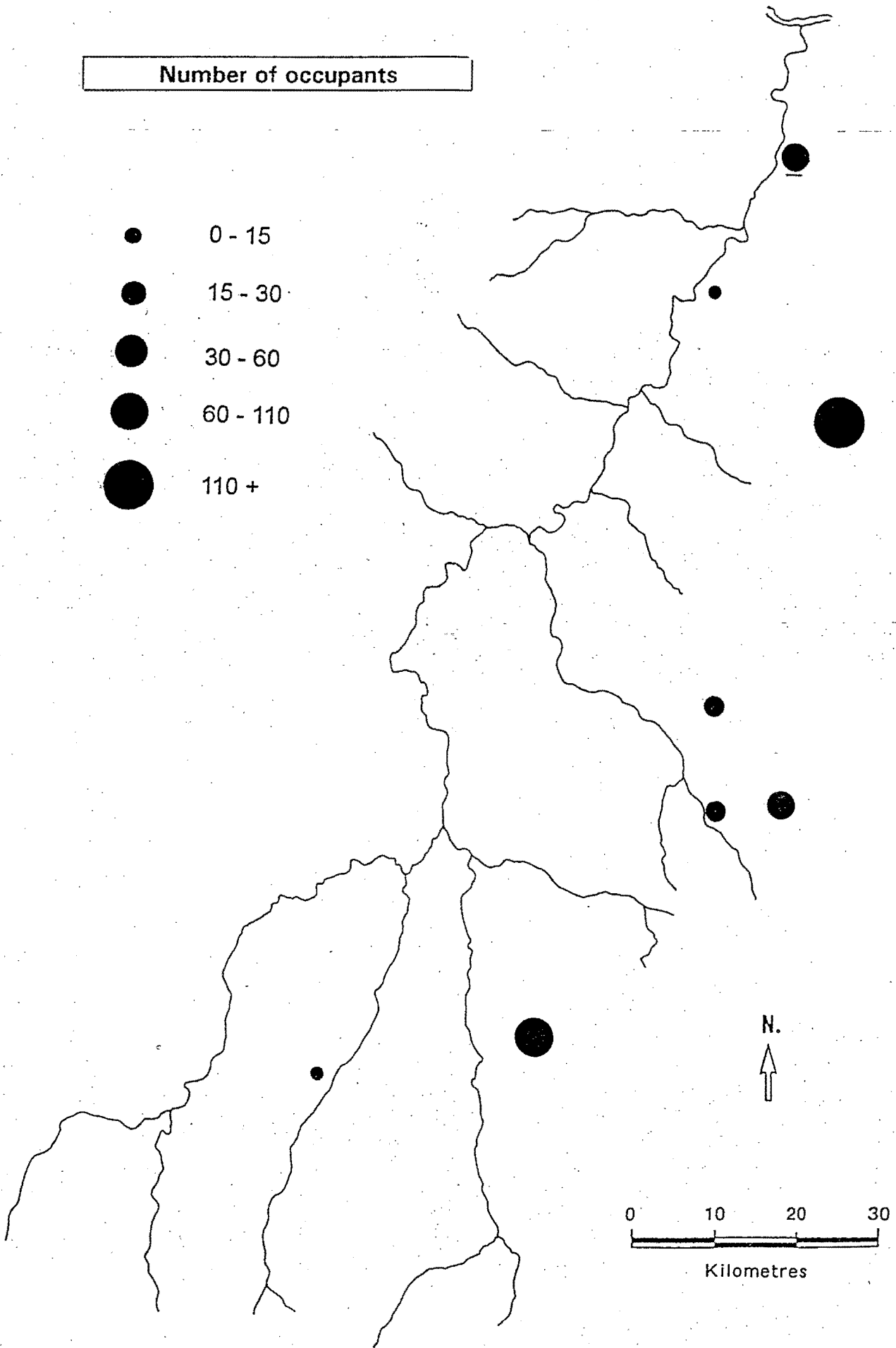


FIGURE 6-2: Numbers of Bushmen recorded as occupying camps on the valley floor.

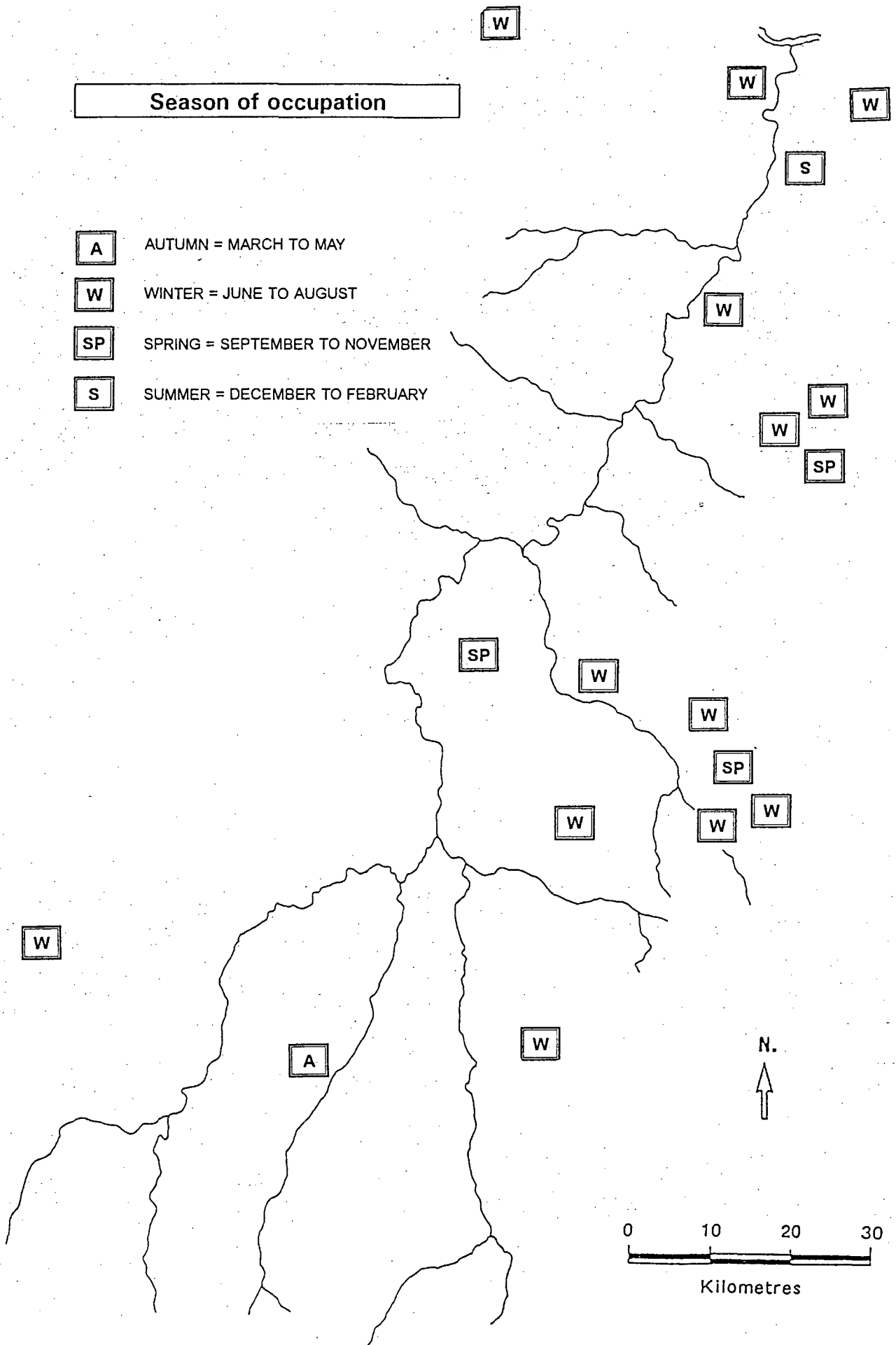


FIGURE 6-3: Season of occupation of mapped camps.

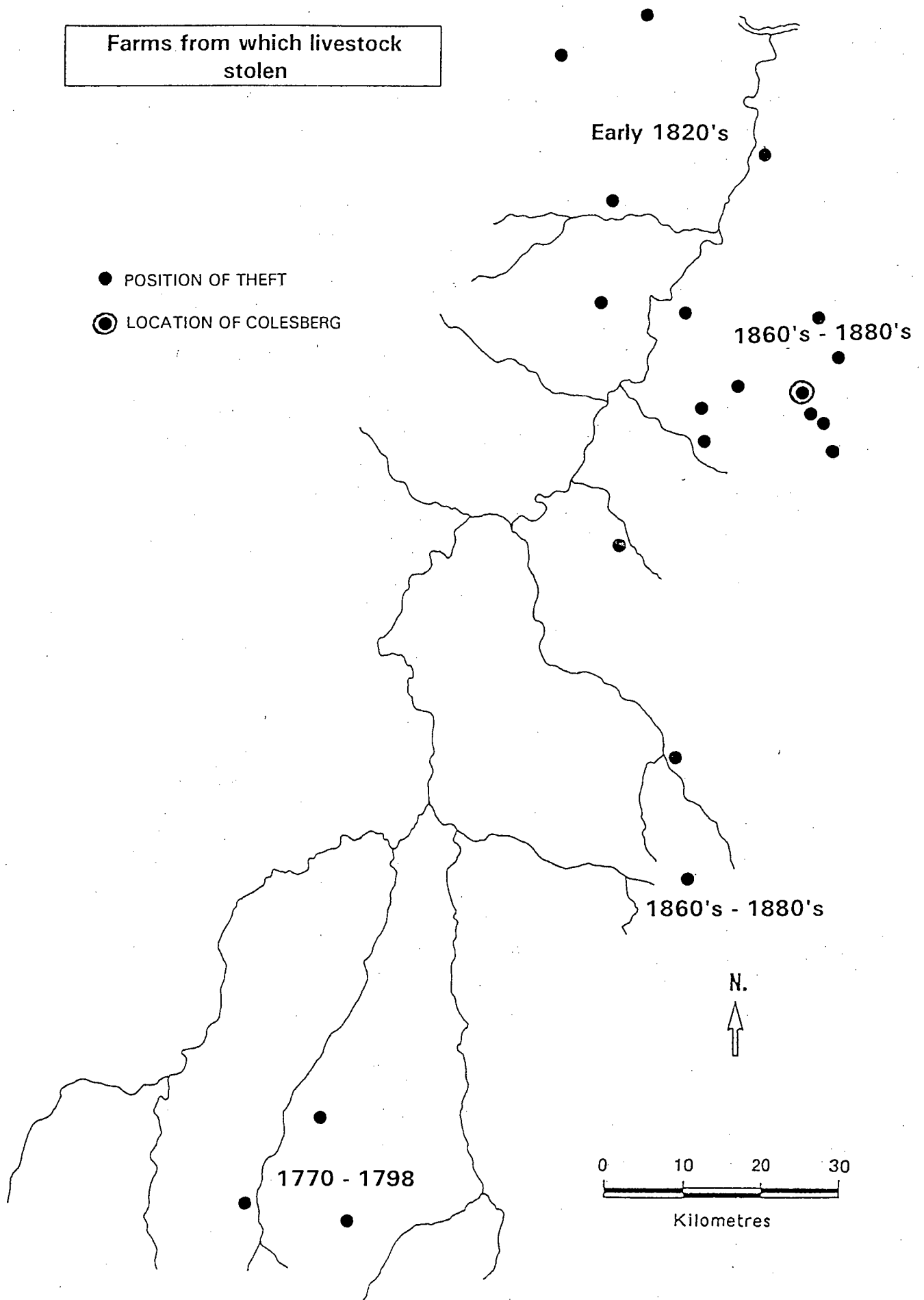


FIGURE 7-1: Farms from which livestock was stolen during the 18th and 19th centuries.

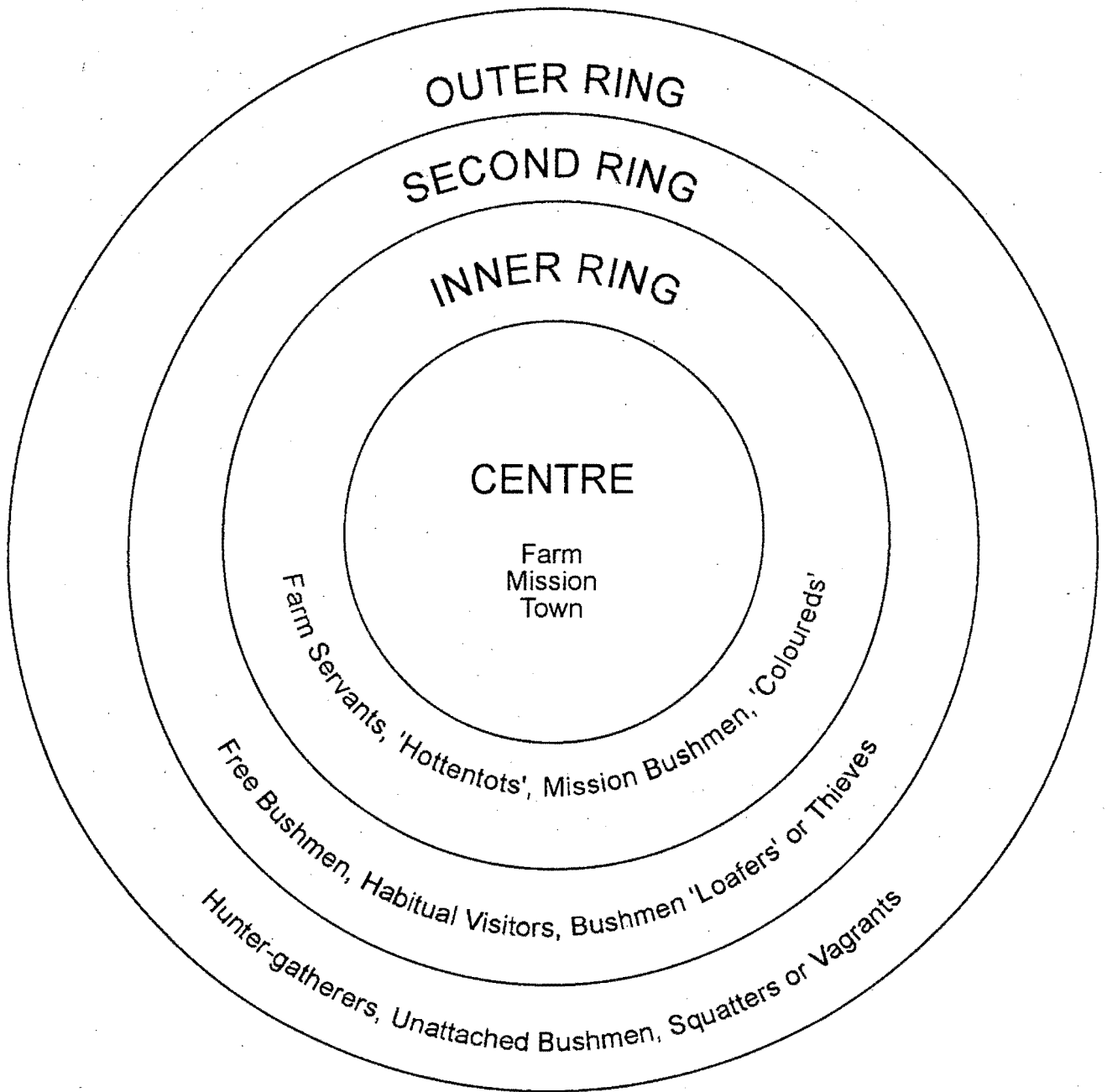


FIGURE 10-1: Ring model of the occurrence of Bushmen on the landscape.