

LEGEND

Water sample locations used in this report (stream, spring)
 Sediment sample location (stream, spring)
 Spring site sample number
 Moving average contours for SO₄/Cl ratios
 Location of known veins
 Mineral occurrence
 Mineral deposit

Positive Residual SO₄/Cl Anomalies

Values of ratios

250 (omitted)
 250 - 499
 500 - 749
 750 - 999
 1,000 and greater

Mineral Symbols

Arsenic.....As Silver.....Ag
 Antimony.....Sb Tungsten lode.....W
 Copper.....Cu Tungsten (placer).....W(P)
 Gold (lode).....Au Tin (lode).....Sn(P)
 Gold (placer).....Au(P) Tin (placer).....Sn(P)
 Lead.....Pb Zinc.....Zn
 Molybdenum.....Mo

INDEX TO MINES AND PROSPECTS

| | | |
|--|-----------------------------|--------------------------|
| 1. Elsa | 23. Sadie-Friendship | 46. No. 1 |
| 2. Dixie | 24. Ladue | 47. Gambler |
| 3. Canal and Hiwam | 25. Bellefleur | 48. Main Fault and Nabob |
| 4. Arctic and Mastiff | 26. Mount Keno (Hogan vein) | 49. Lake View |
| 5. Ruby | 27. Ankeno | 50. Nabob No. 2 |
| 6. No Cash | 28. Mount Keno (Raner vein) | 51. Helen Fraction |
| 7. Betty | 29. Dorothy | 52. Gold Hill No. 2 |
| 8. Green | 30. Kijo | 53. Ladue Fraction |
| 9. Hector | 31. Crepus No. 1 | 54. Fox |
| 10. Calumet | 32. Black Cap and Shepherd | 55. Silver Basin |
| 11. Dragon (IN) | 33. Lucky Queen | 56. Gold Queen |
| 12. Forno | 34. Lake | 57. Duncan |
| 13a. Galieno (McLeod vein) | 35. Vanguard | 58. Alice |
| 13b. Galieno (Sime and Sugiyama veins) | 36. Apex | 59. Caribou |
| 14. Sagle | 37. Shamrock | 60. Divide |
| 15. Fisher Creek | 38. Highlander | 61. Seven |
| 16. Bluebird | 39. Cub and Bunny | 62. Faith |
| 17. Tin Can | 40. Stone | 63. Silver King |
| 18. Rico | 41. Bonestake | 64. Beritsky |
| 19. Duncan Creek | 42. No. 6 | 65. Shanghai |
| 20. Moth | 43. Porcupine-Kiman | 66. Lookout |
| 21. Onek | 44. Comstock | 67. Rex |
| 22. Klentyke-Keno | 45. No. 9 (Keno mine) | 68. Peso Silver |

Field work by C.F. Gleeson, W.M. Tupper, A. Suparman, K. Doma, M. Shafigullah, J.A. Colwell, J.V. Delighton, C.H. Yurchak, J.K. North, R.K. James, A.C. Troup, G. King, L. Hogg, and F.R. Campbell

Analyses by Industrial Waters Section, Mines Branch, Dept. of Energy, Mines and Resources, Ottawa

Compilation and text by C.F. Gleeson and R.W. Boyle

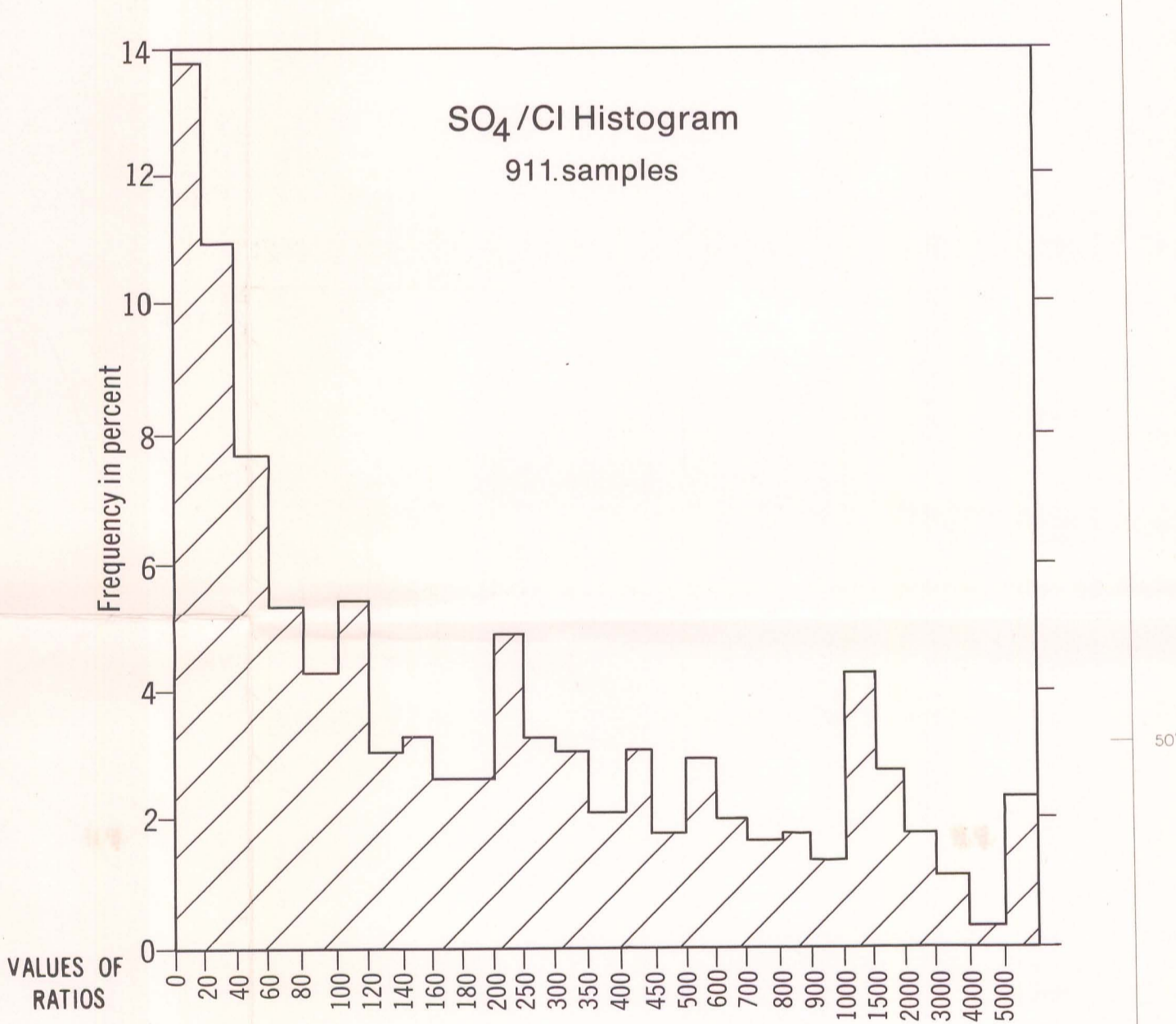
To accompany GSC Paper 75-14 by C.F. Gleeson and R.W. Boyle

Geological cartography by the Geological Survey of Canada

Roads, all weather
 Other roads
 Trail
 Intermittent lake and stream
 Horizontal control points
 Elevation in feet above mean sea-level

Base-map cartography by the Geological Survey of Canada, 1966 from maps published by the Surveys and Mapping Branch and by the Army Survey Establishment, R.C.E.C.

Approximate magnetic declination, 34° 17' East, decreasing 46' annually



Copies of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0S8. 3393 - 33rd Street, N.W., Calgary, Alberta T2L 2A7

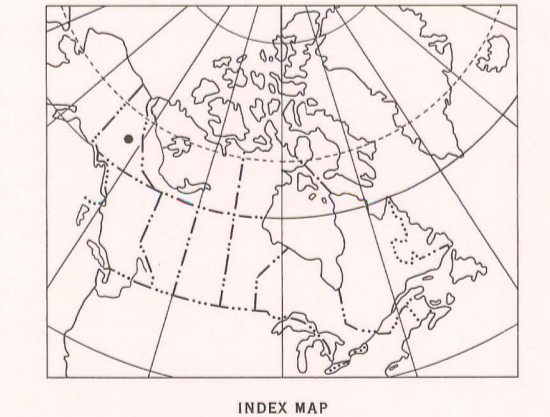


Figure 7. Regional (moving average) and residual values for sulphate/chloride (SO₄/Cl) ratios in surface and spring waters, Keno Hill area, Yukon Territory

