APPENDIX C

GROUND TEMPERATURES

PART

OF

CLOSURE PLAN FOR

TAILINGS CONTAINMENT AREA

Prepared for

Kinross Gold Corporation

LUPIN OPERATION

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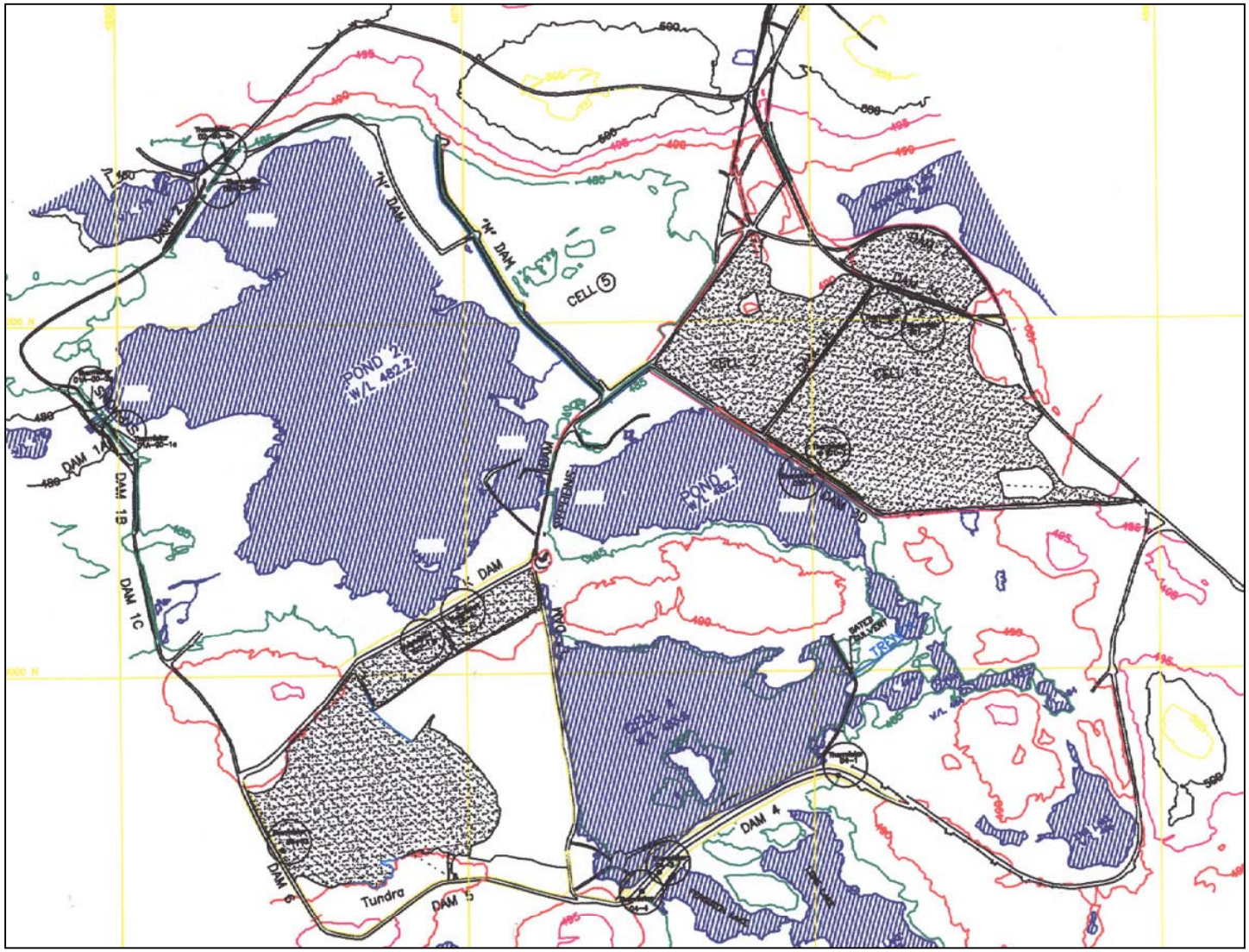


Figure C 1. General thermistor location plan

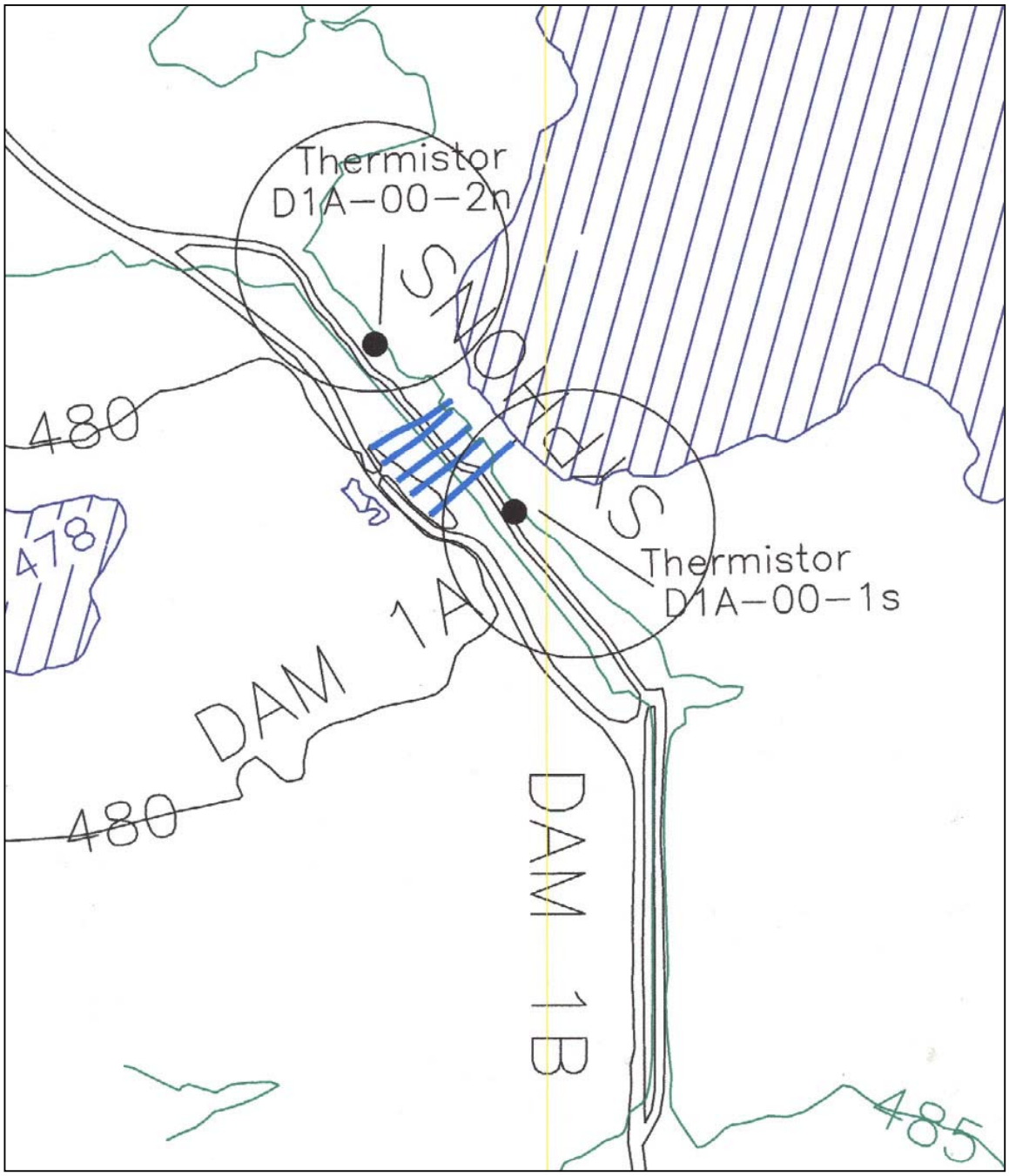
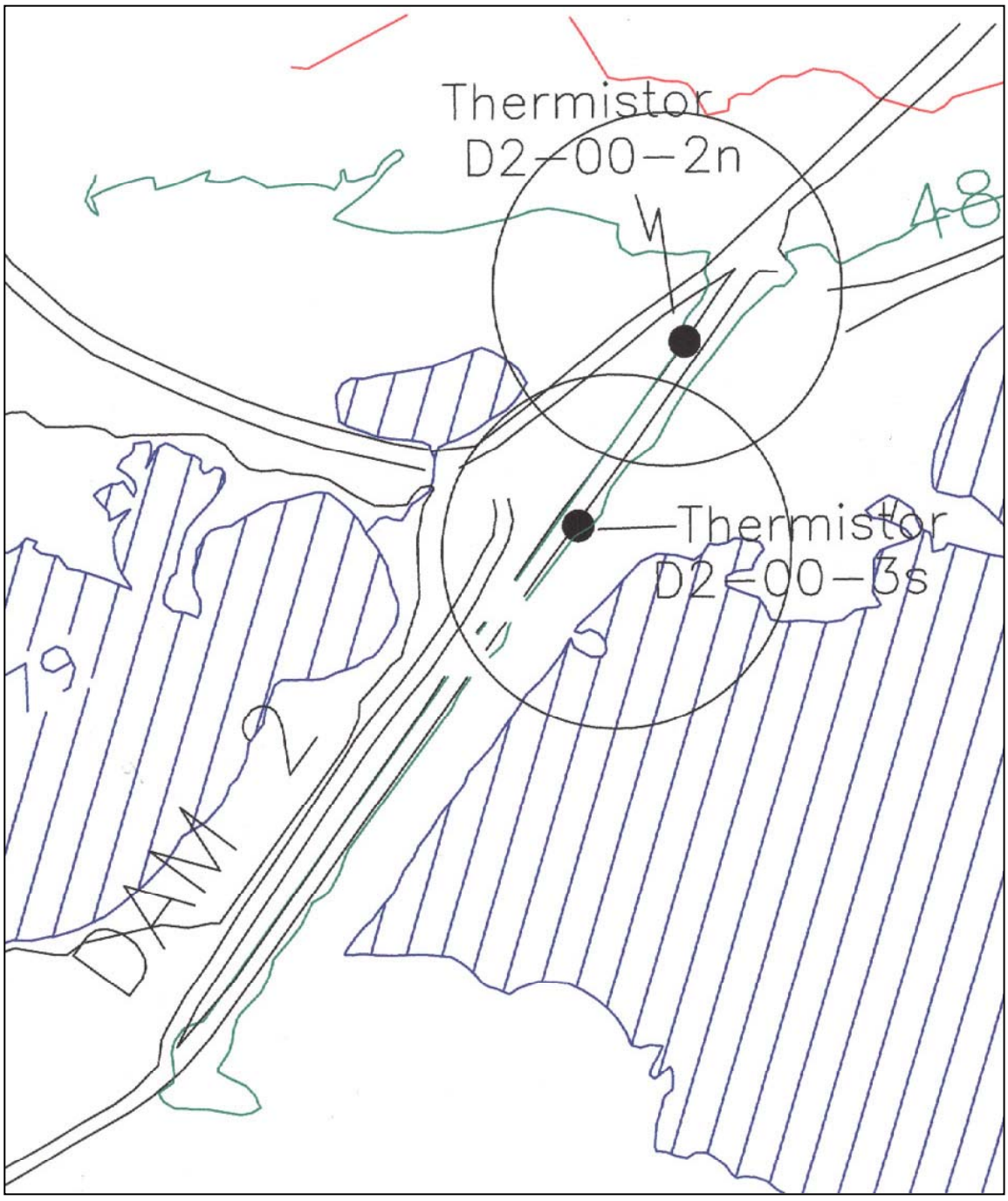


Figure C 2. Thermistors at Dam 1a



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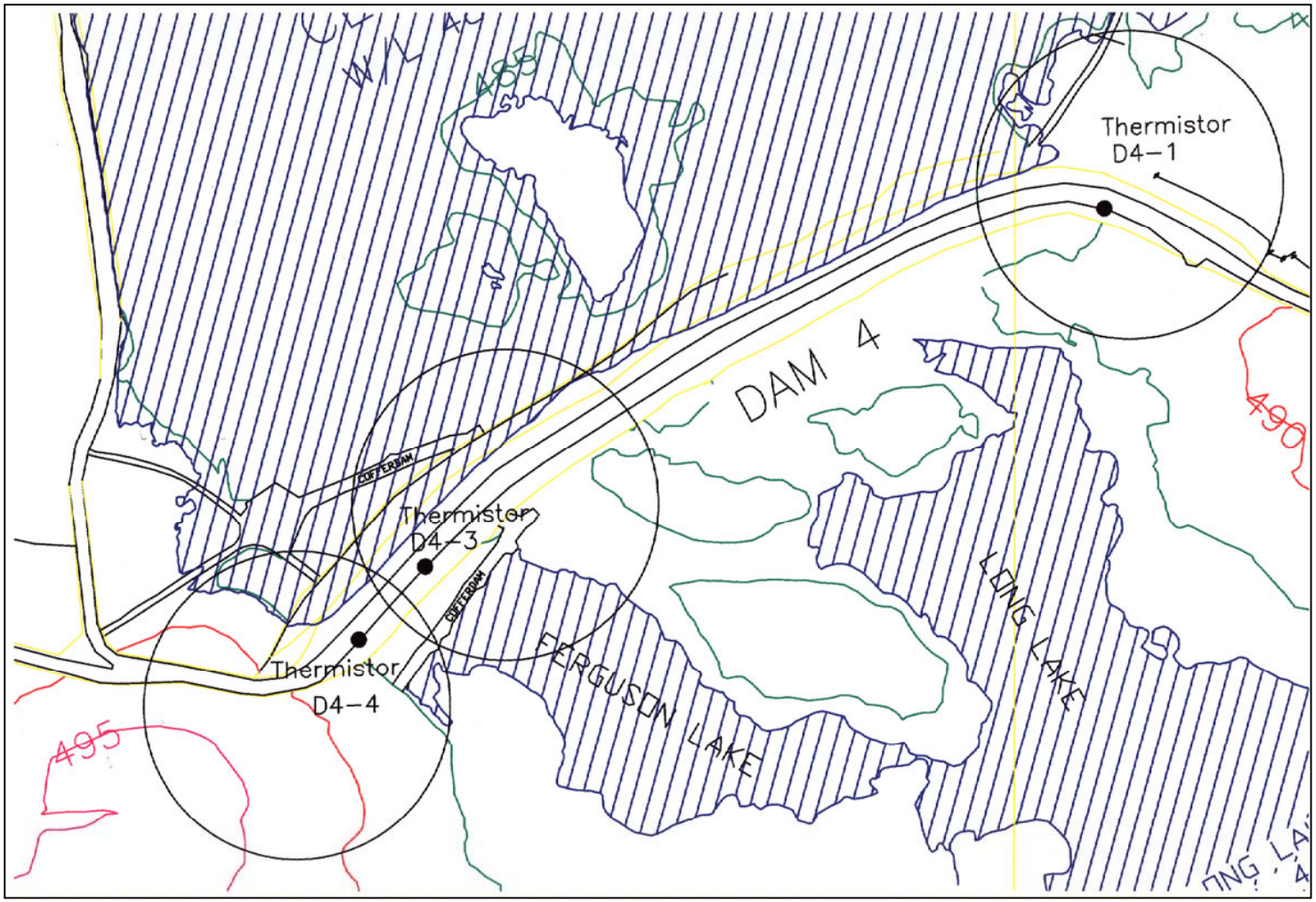

Figure C 4. Thermistors at Dam 4

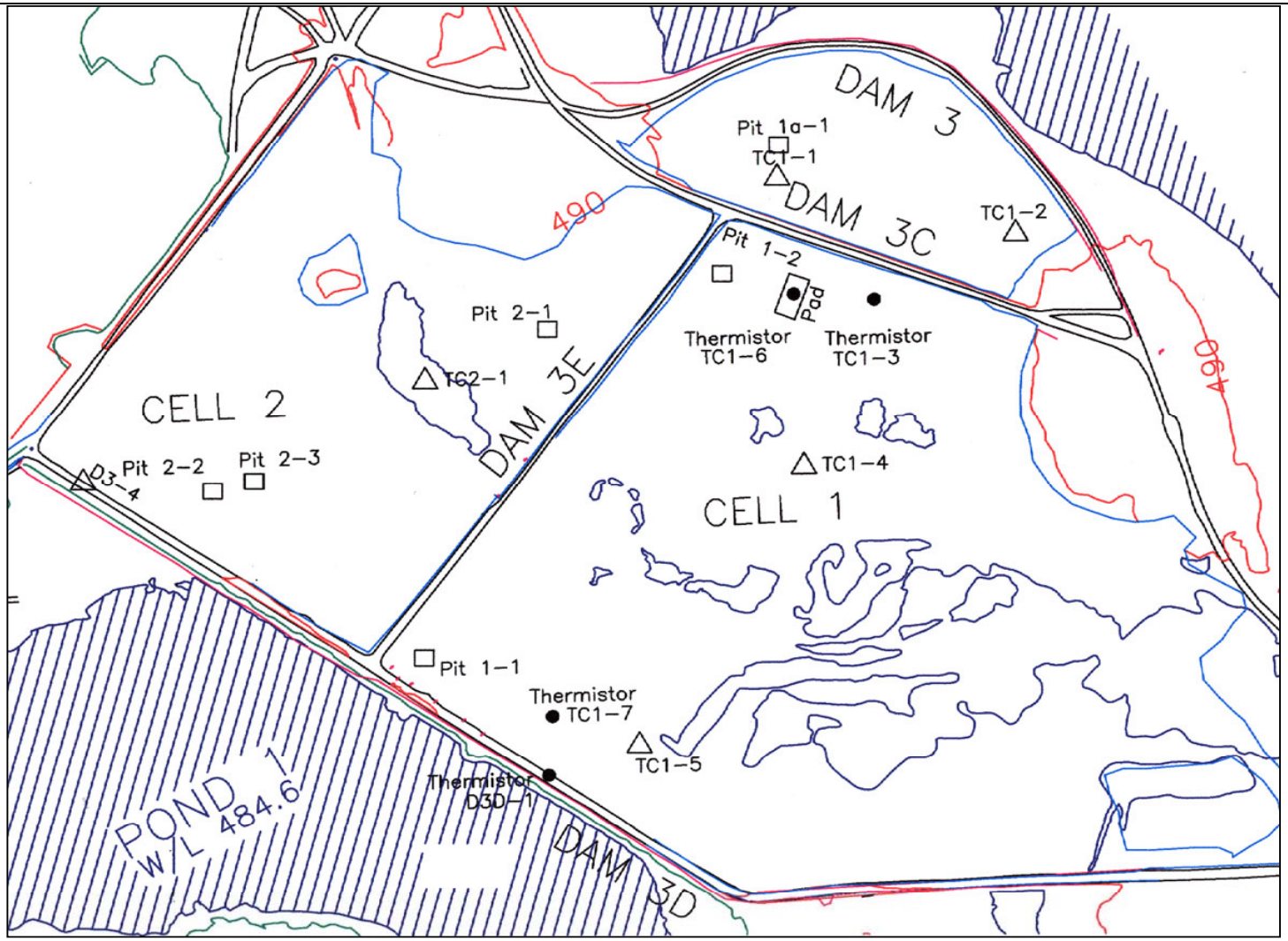

Figure C 5. Thermistors in Cell 1 and Dam 3D

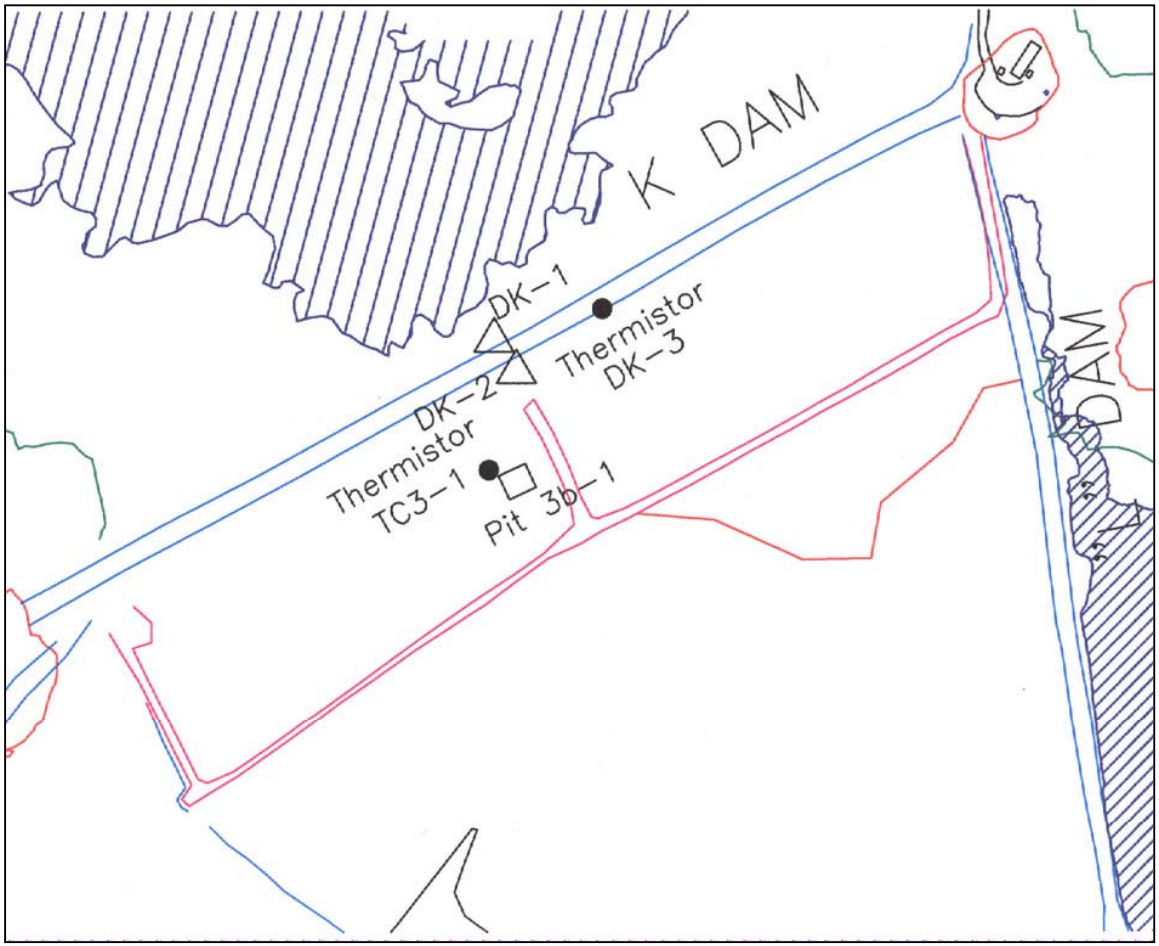

Figure C 6. Thermistors in Cell 3b and K Dam

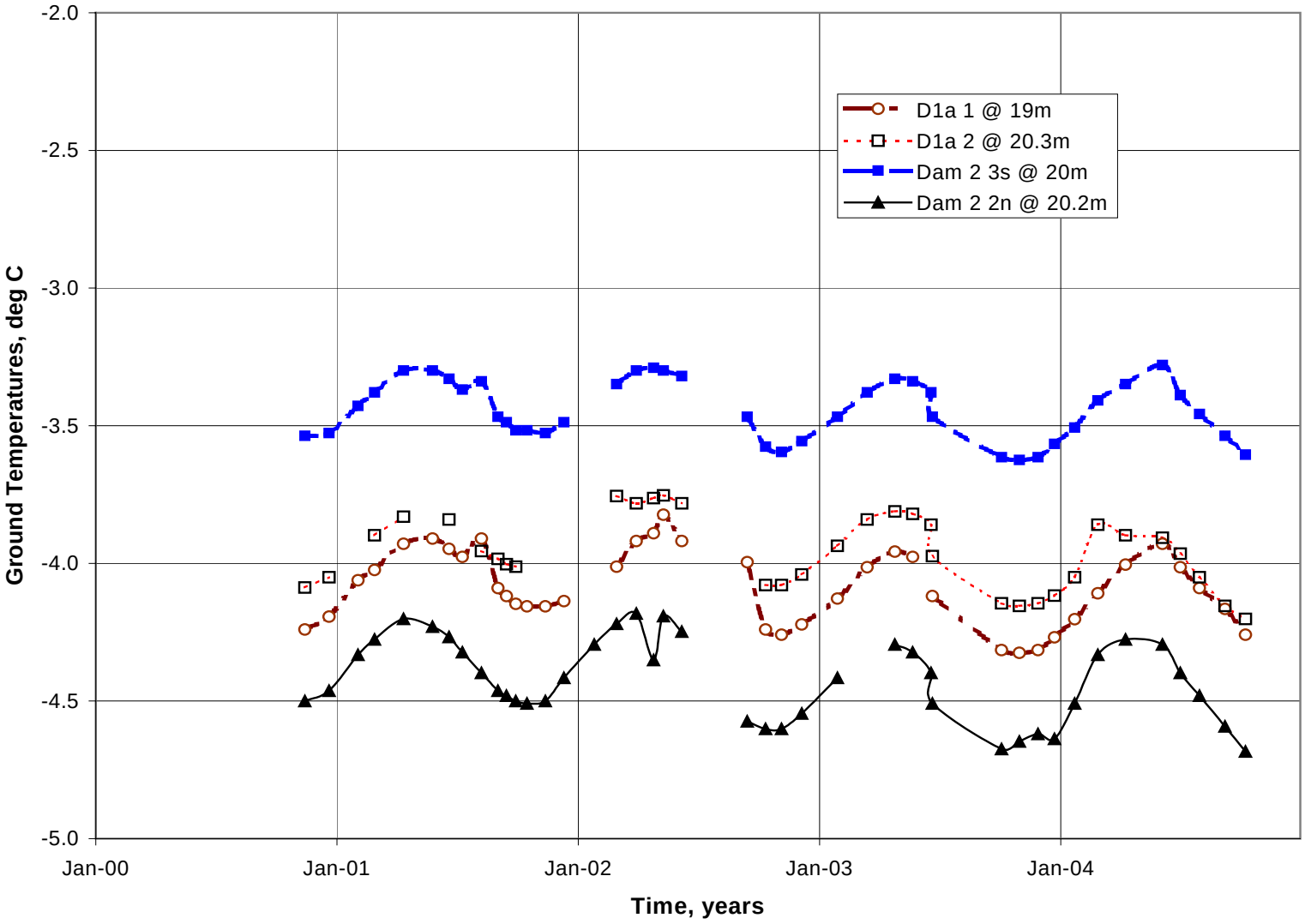

Figure C 7. Ground temperatures at 20m depth at Dams 1 and 2

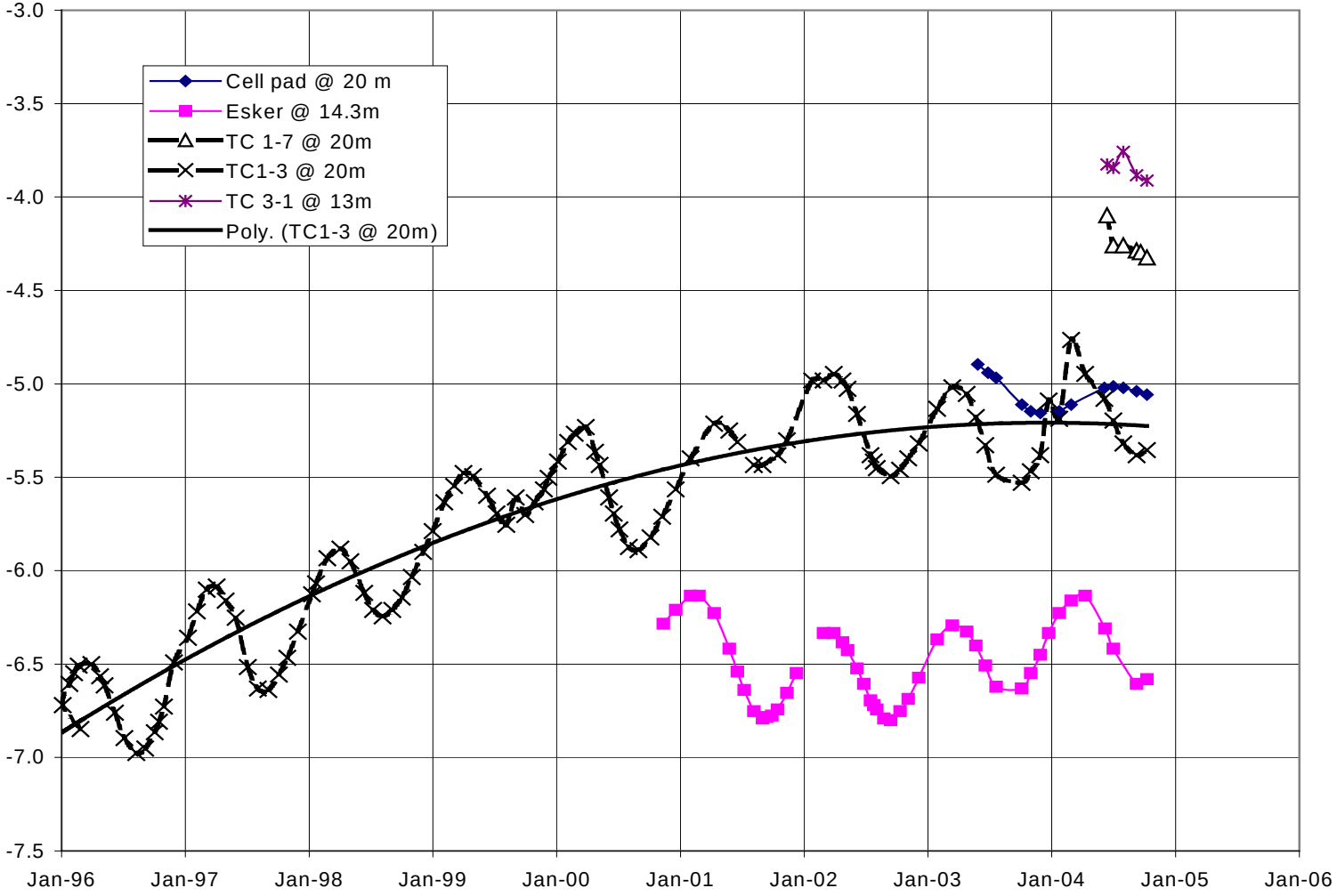

Figure C 8. Ground temperatures in Cells at 12 to 20m depth

ground temperatures in Cell 1 from 1980 to 2004

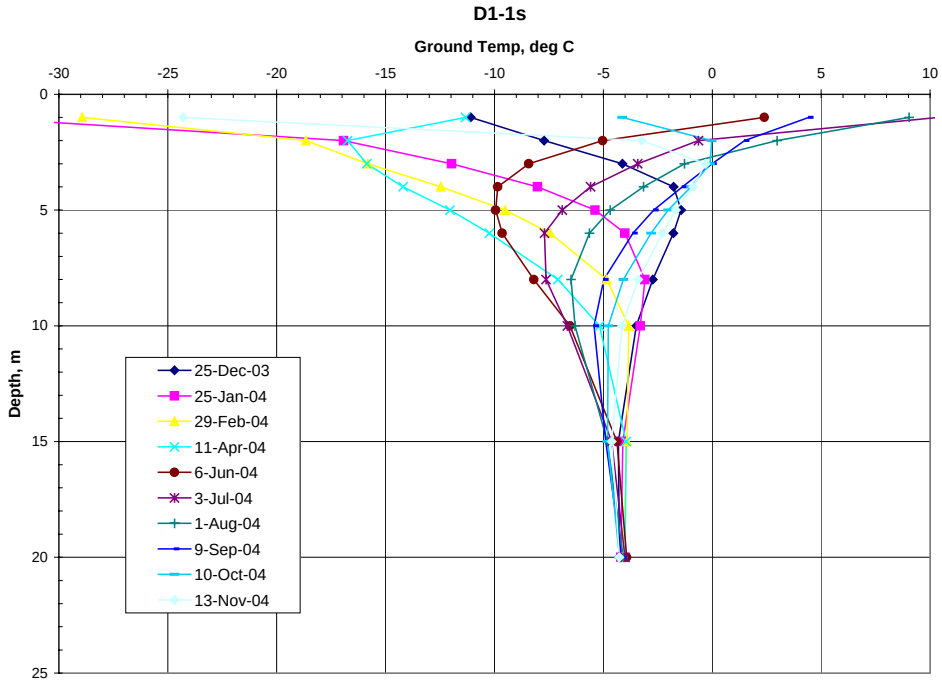

Figure C 9. Ground temperature regime at Dam 1a (Thermistor D1A-00-1s)

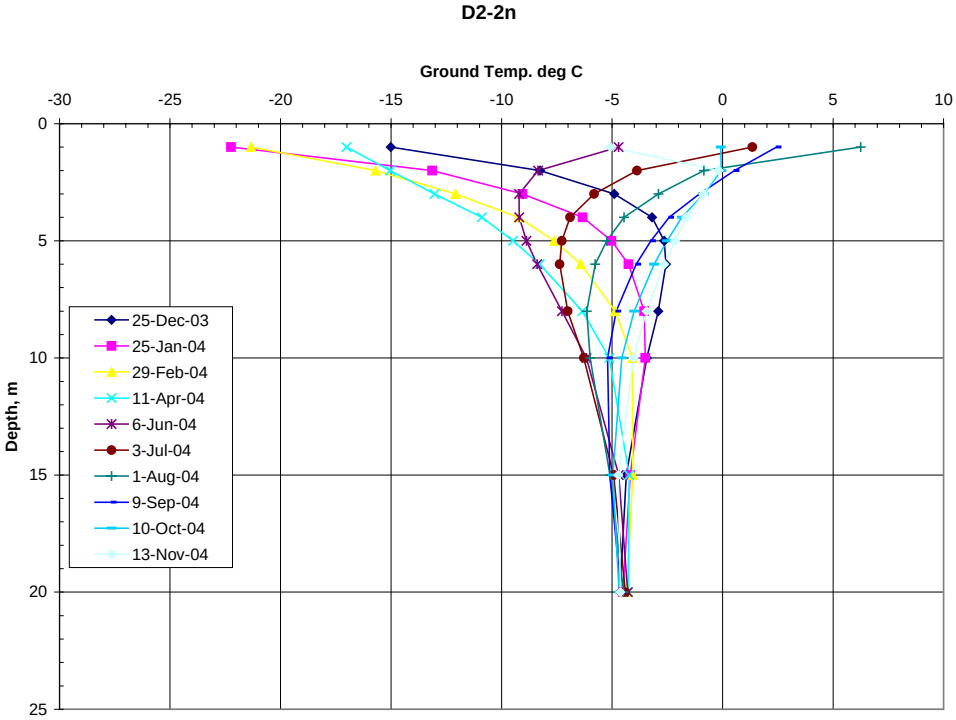

Figure C 10. Ground temperature regime at Dam 2 (Thermistor D2-00-2n)

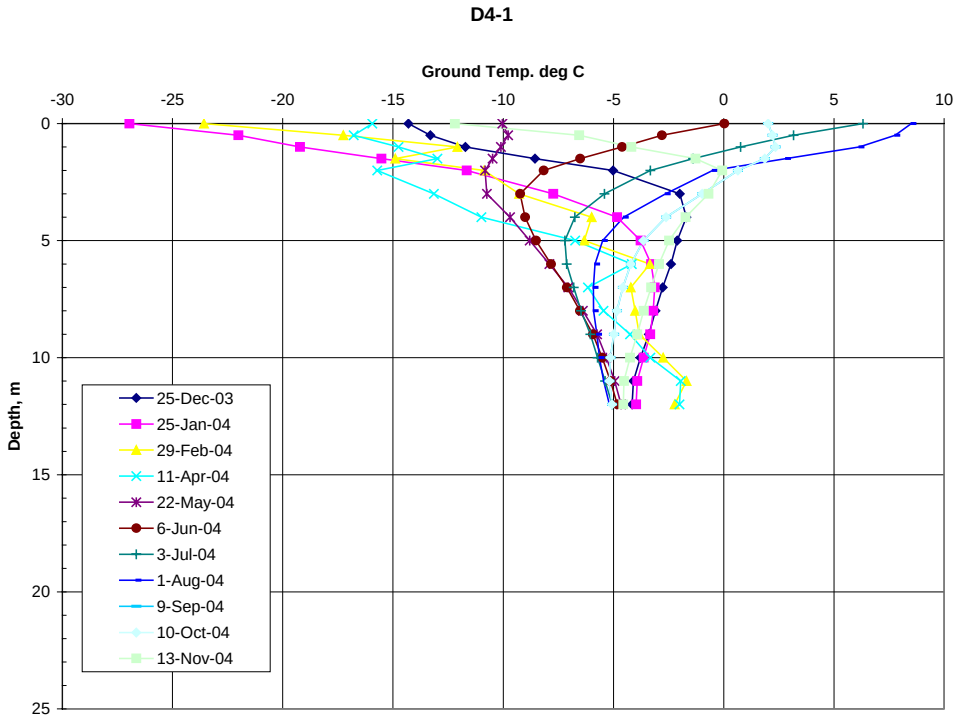

Figure C 11. Ground temperature regime at Dam 4 (Thermistor D4-1)

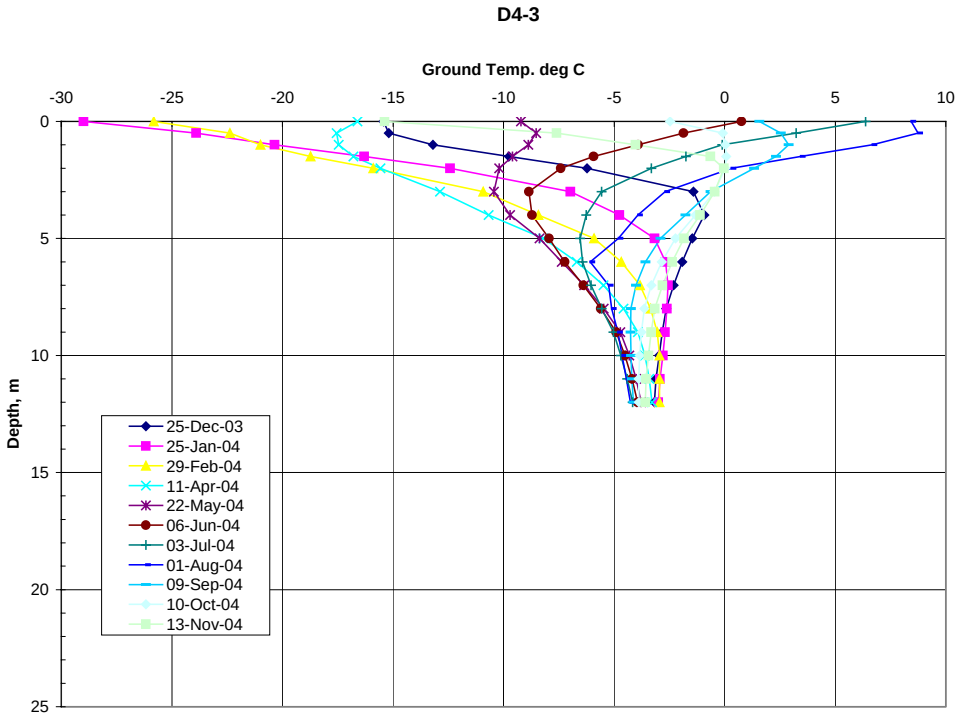

Figure C 12. Ground temperature regime at Dam 4 (Thermistor D4-3)

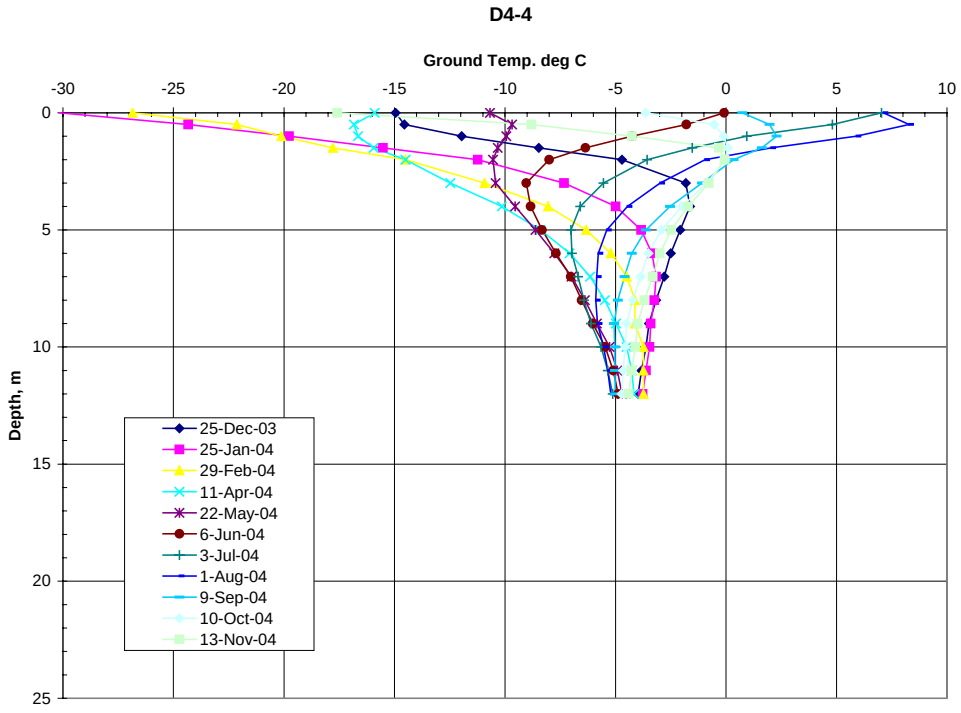

Figure C 13. Ground temperature regime at Dam 4 (Thermistor D4-4)

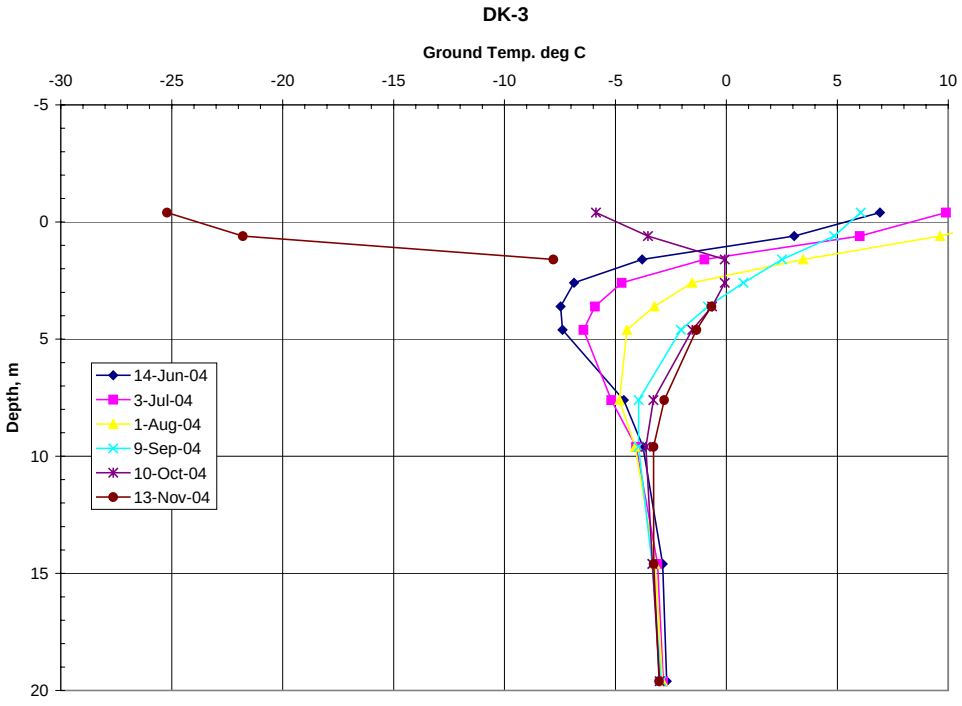

Figure C 14. Ground temperature regime at K Dam (Thermistor DK-3)

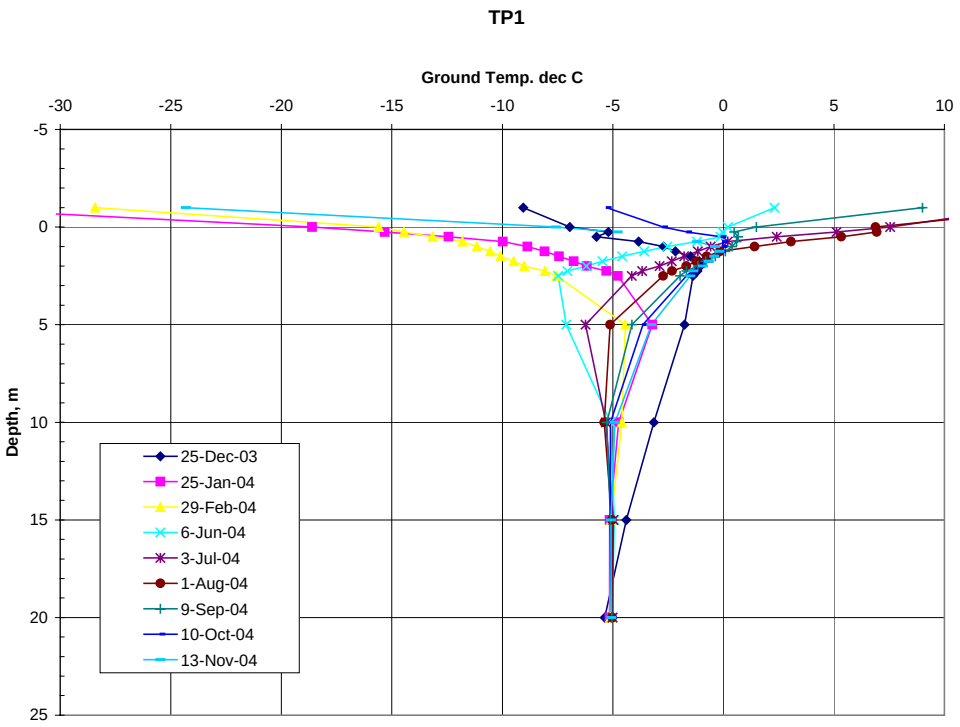

Figure C 15. Ground temperature regime at Cell 1 Test Pad (Thermistor TC1-3)

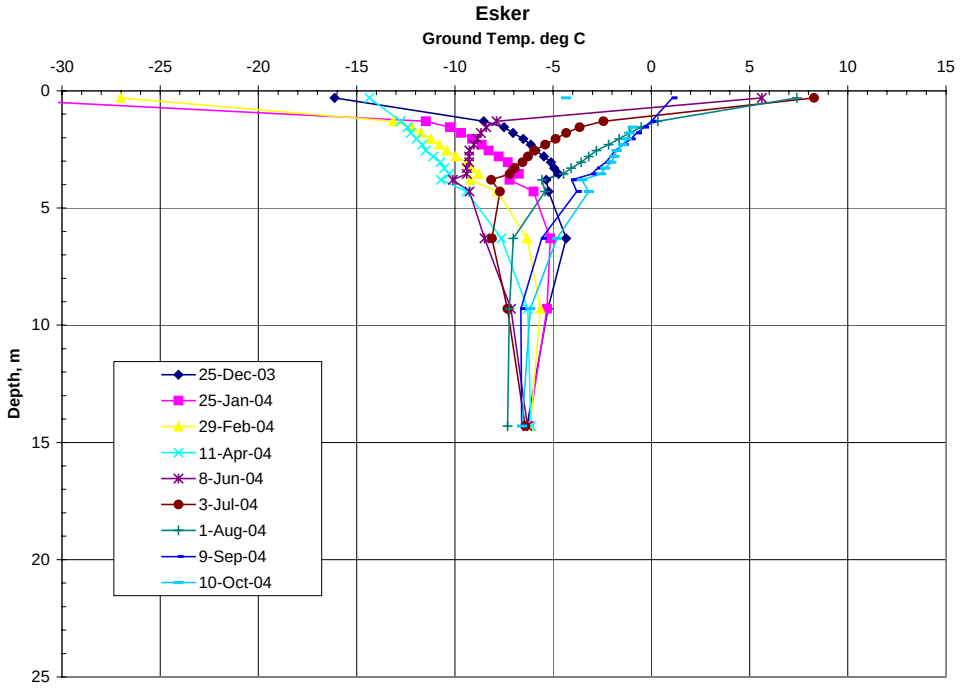

Figure C 16. Ground temperature regime at Esker (Thermistor)

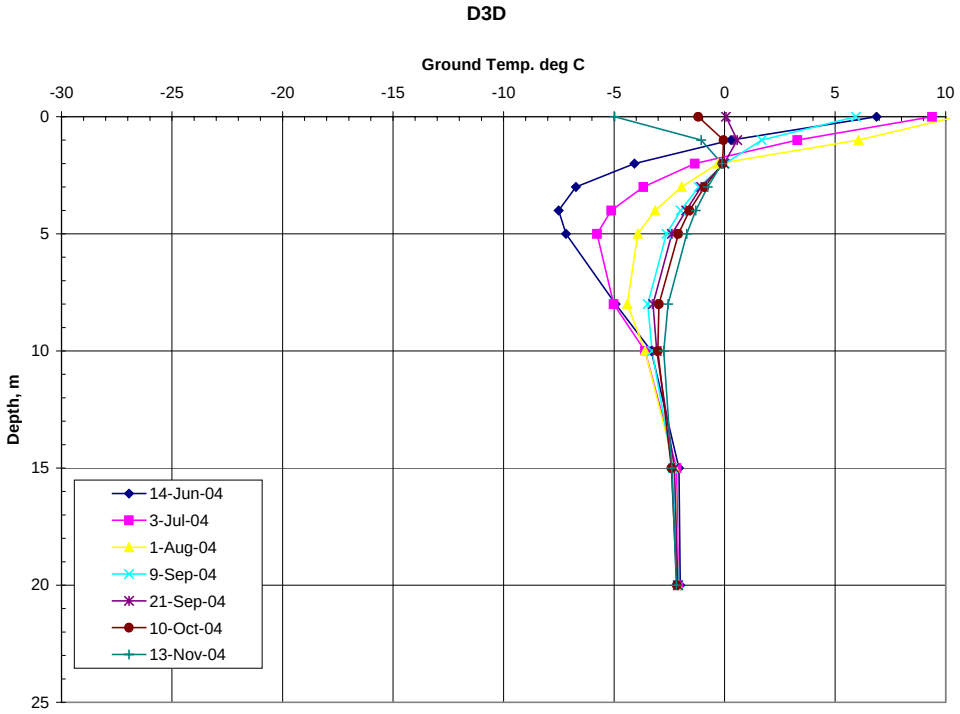

Figure C 17. Ground temperature regime at Dam 3D (Thermistor D3D -1)

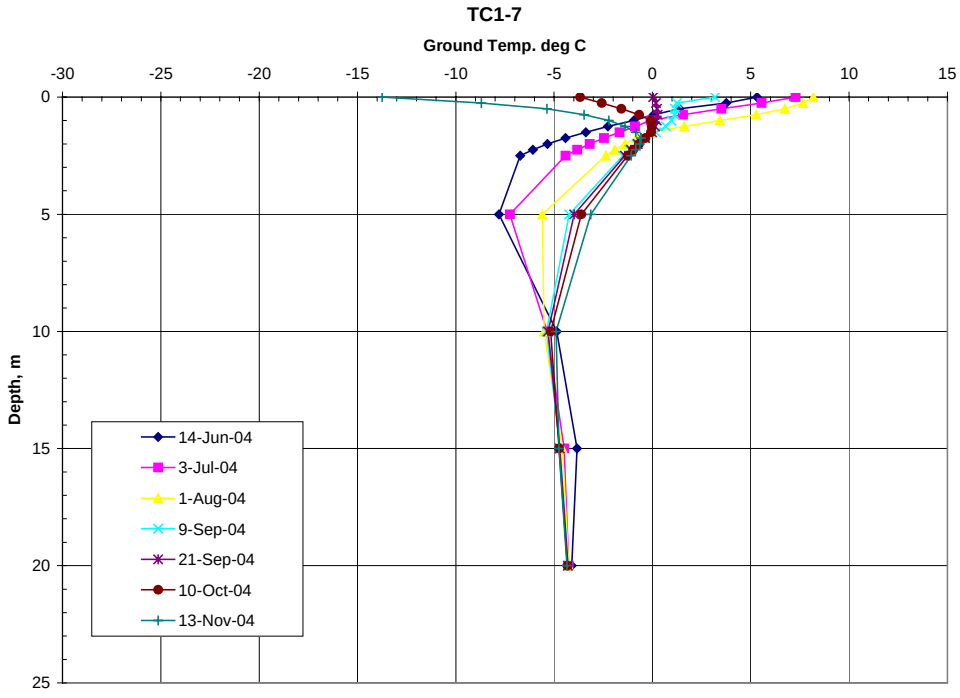

Figure C 18. Ground temperature regime in tailings Cell 1, near 3D Dam (Thermistor TC1-7)

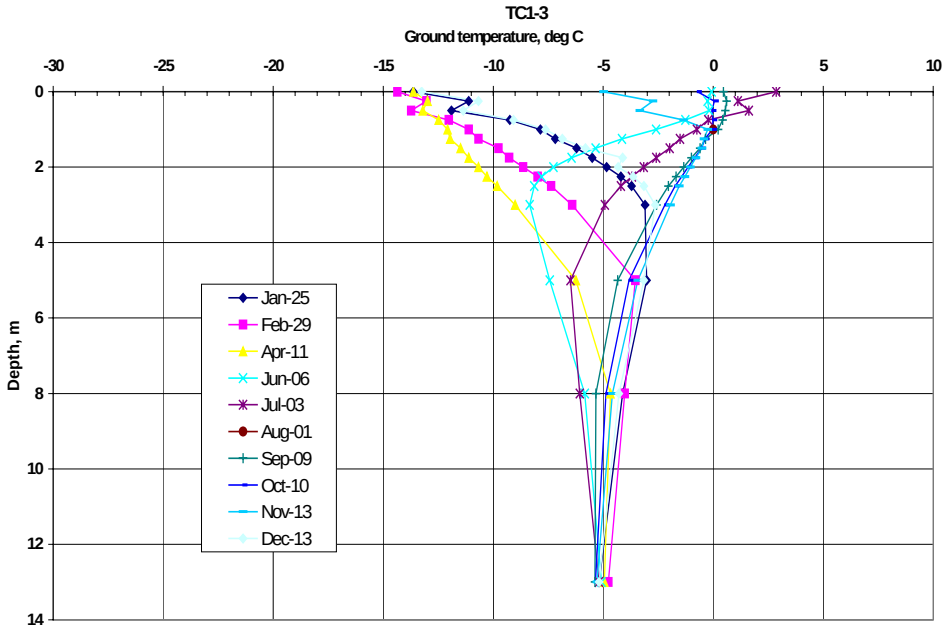

Figure C 19Ground temperature regime at Cell 1, north end (TC1-3)

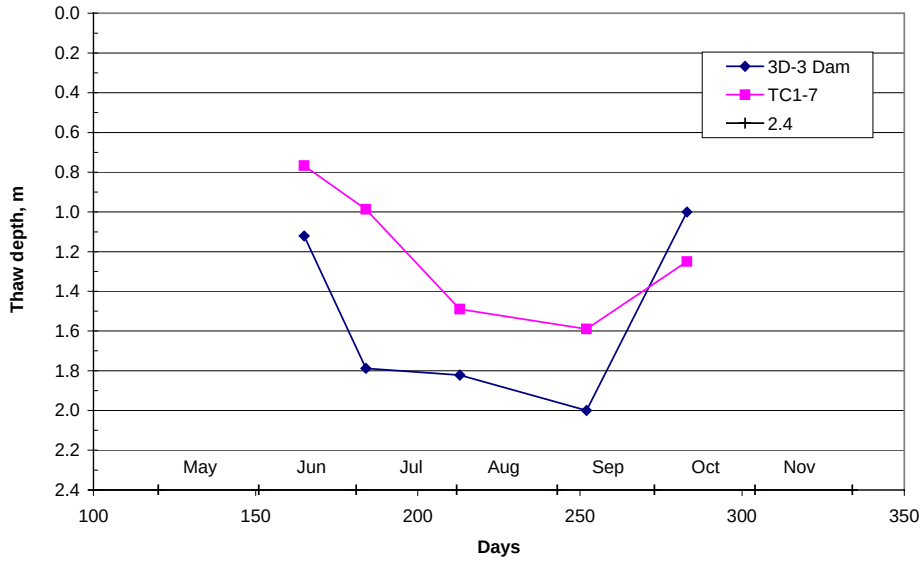

Figure C 20. Thaw surface progress with time near Dam 3D

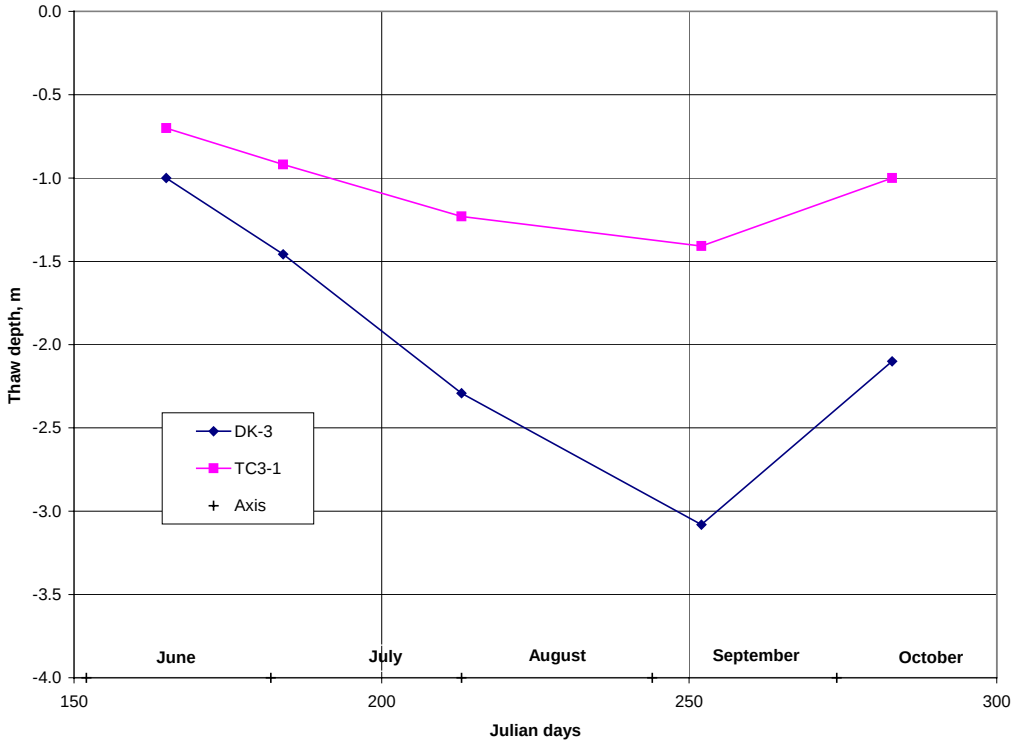

Figure C 21. Thaw depth with time at K Dam (Thermistors DK-3 and TC3-1)