

Pasminco Exploration

Date: 19/10/2001

Author: TJB

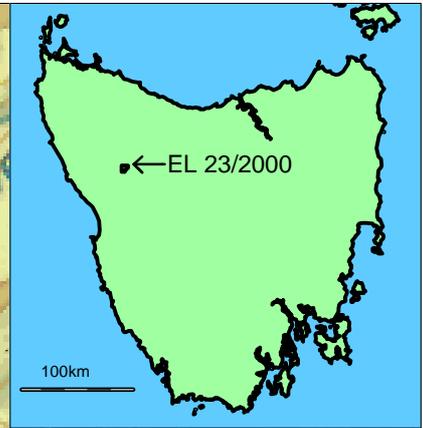
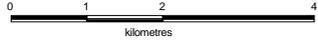
Office: Rosebery

Drawing:

Scale: 1:100000

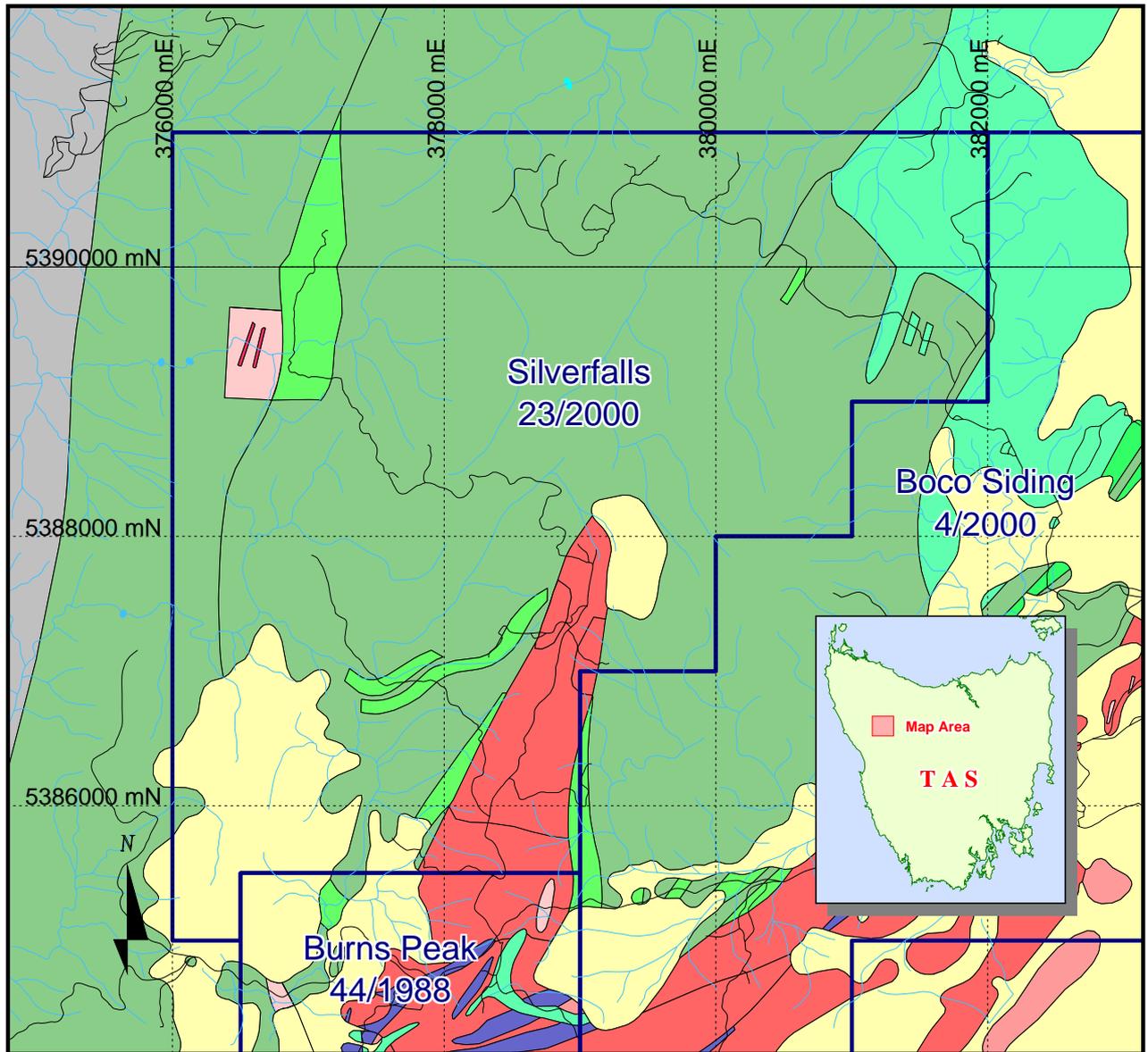
Projection: AMG Zone 55 (AGD 66)

EL 23/2000
SILVER FALLS
Tenement Location



EL 23/2000





LEGEND

- Undifferentiated Central Volcanic Sequence-Hercules-Mt.Block
- Dominantly feldspar-phyric lava of rhyolitic, dacitic or andesitic composition
- Undifferentiated Dundas Group
- Shale, siltstone, sandstone, minor tuff
- Basalt
- Felsic tuff and agglomerate generally quartz-feldspar-phyric
- Felsic lava with feldspar phenocrysts
- Felsic porphyry, generally intrusive. Quartz-feldspar porphyry
- Glacial deposits, mostly till
- Quartzwacke interbedded with black phyllitic mudstone, grey siltstone, minor conglomerate (Cdq)
- Dolerite
- Interbedded quartzwacke, slate, mudstone and sandstone sequence of Dundas and Huskisson areas. Schistose metamorphic equi

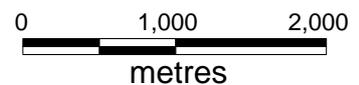


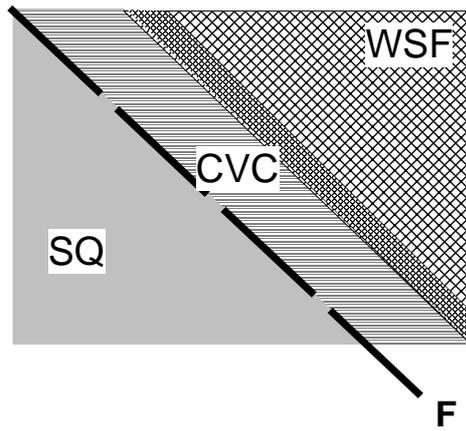
TASMANIA

Author: T. Briggs
 Date: 14/08/2001
 Figure 2
 Drawn: IO Digital - MJS
 Ref: PAS_01_387
 Projection: AMG z55 (AGD66)

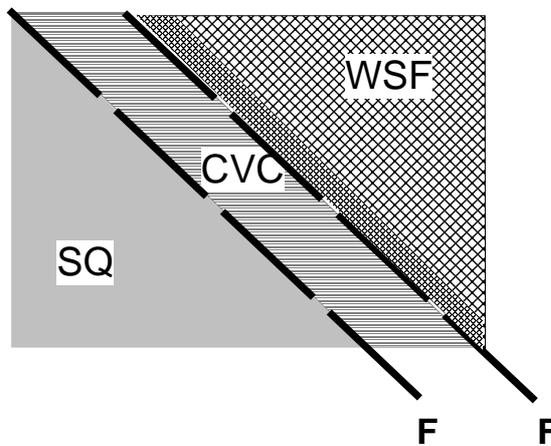
**Silver falls EL 23/00
 Regional Geology**

Scale: 1:50000

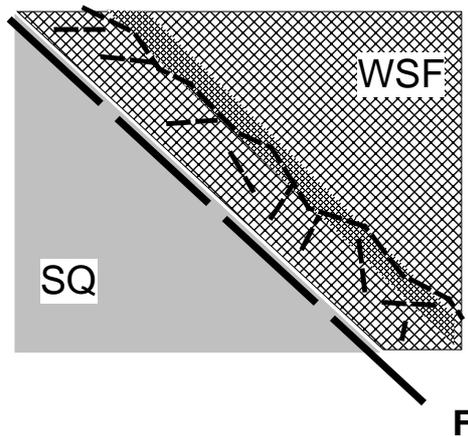




1. CVC - TS - WSF TRANSITIONAL SETTING



2. CVC STRUCTURALLY EMPLACED



3. ALTERED BASE OF WSF - CVC LOOKING

Figure 3. Probable geological scenarios at the Central Silver Falls Region by the Rosebery Fault, for the emplacement of Central Volcanic Complex equivalents. (sections looking north)

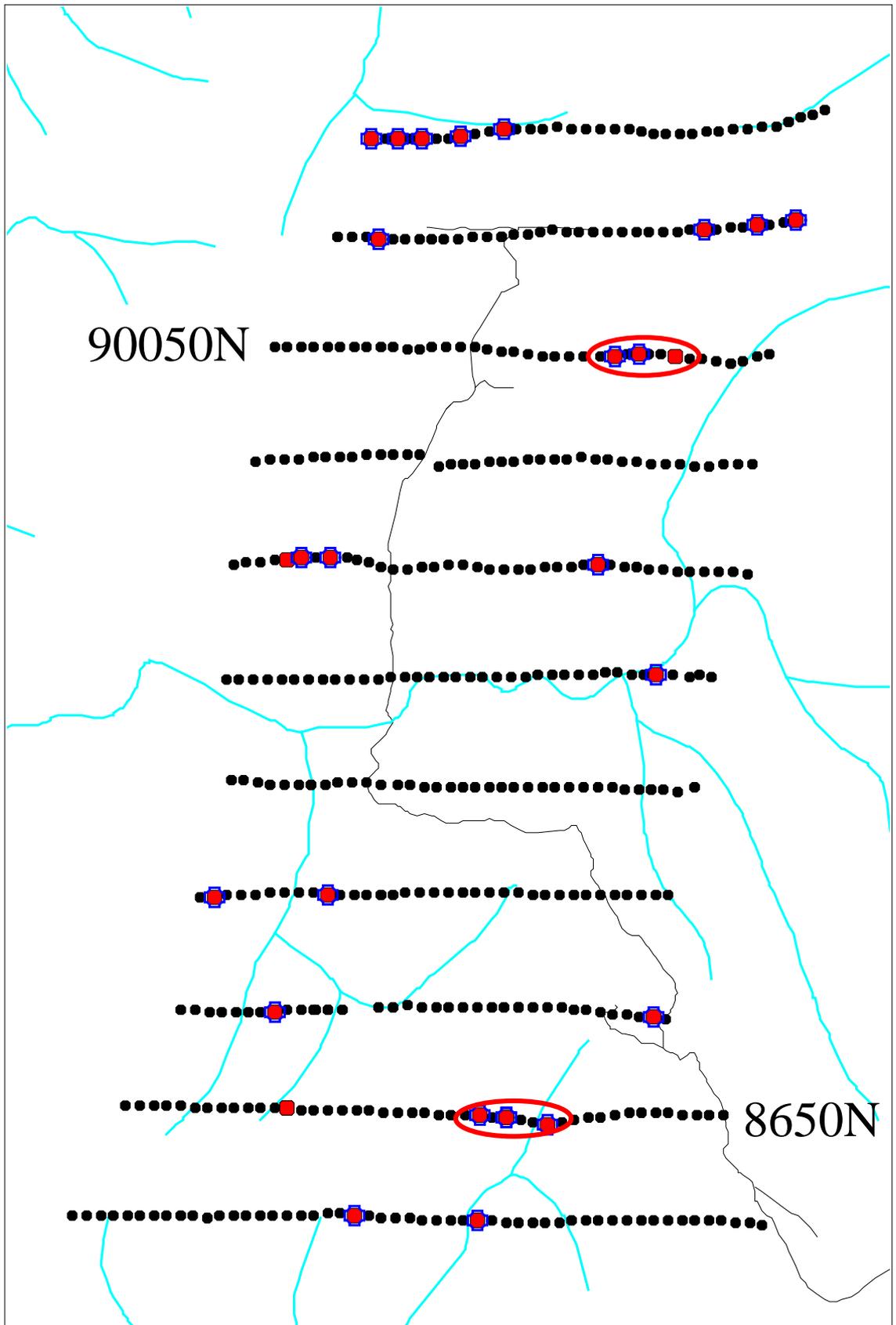


Figure 4. Silver Falls Soil Sampling Grid; red – pH 6.5-6.9 / red – blue halo pH 7–7.9 / black pH > 8 (acceptable). Samples which are red or encircled in a red zone were resubmitted for analysis by deepleach method IC8/43.

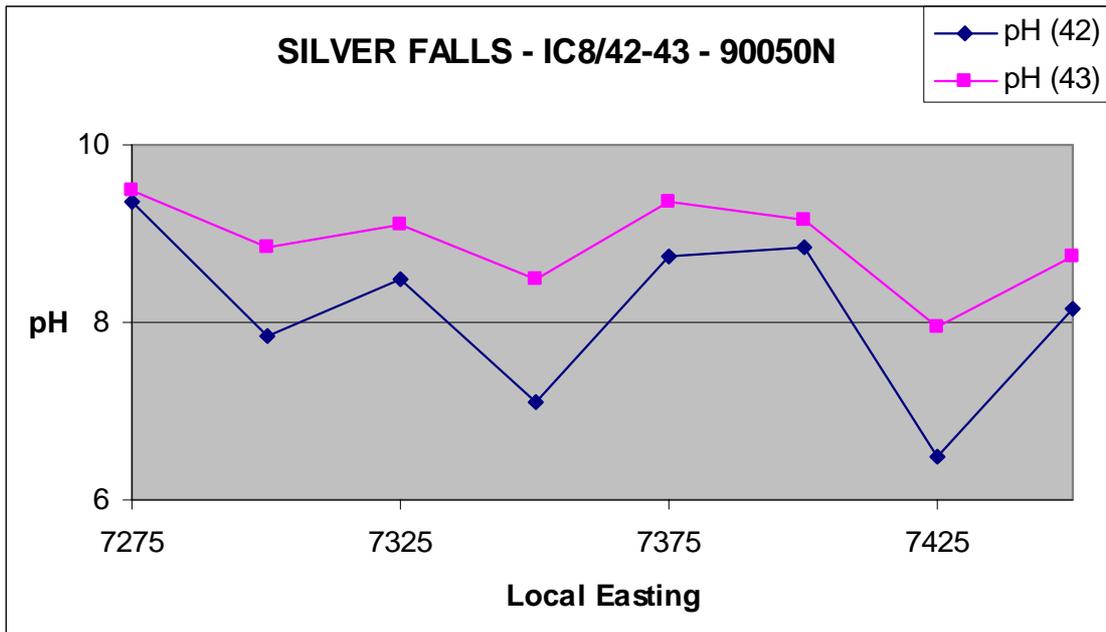
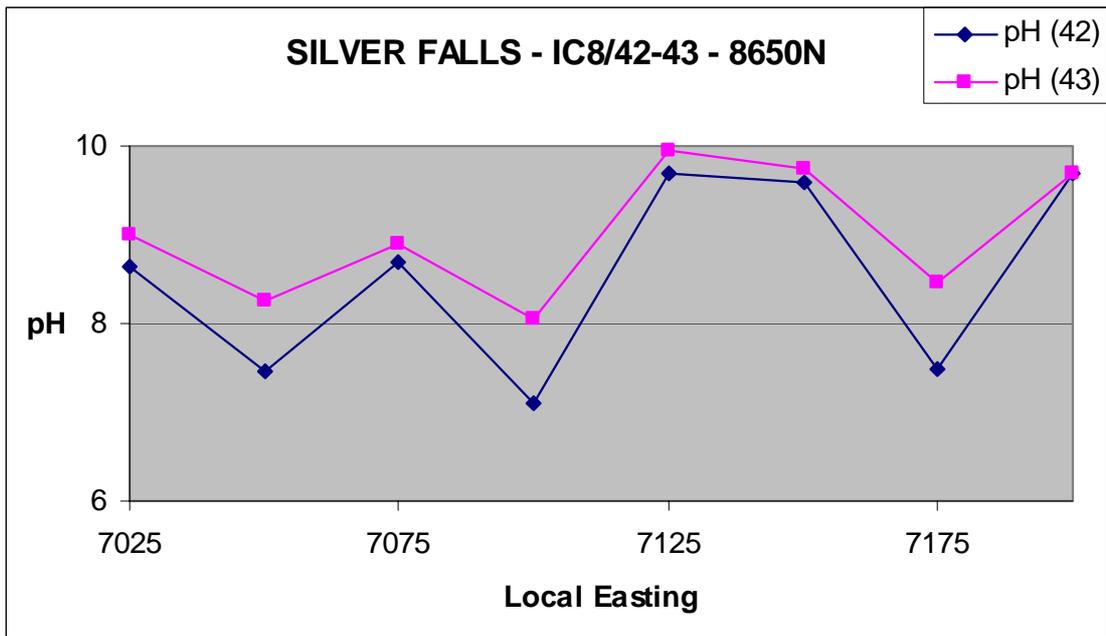


Figure 5. Silver Falls Soil Sampling, post digest pH of zones identified in Figure 4. IC8/42 original analysis and pH with certain samples below pH 8 (unacceptable), and IC8/43 samples all with pH > 8.

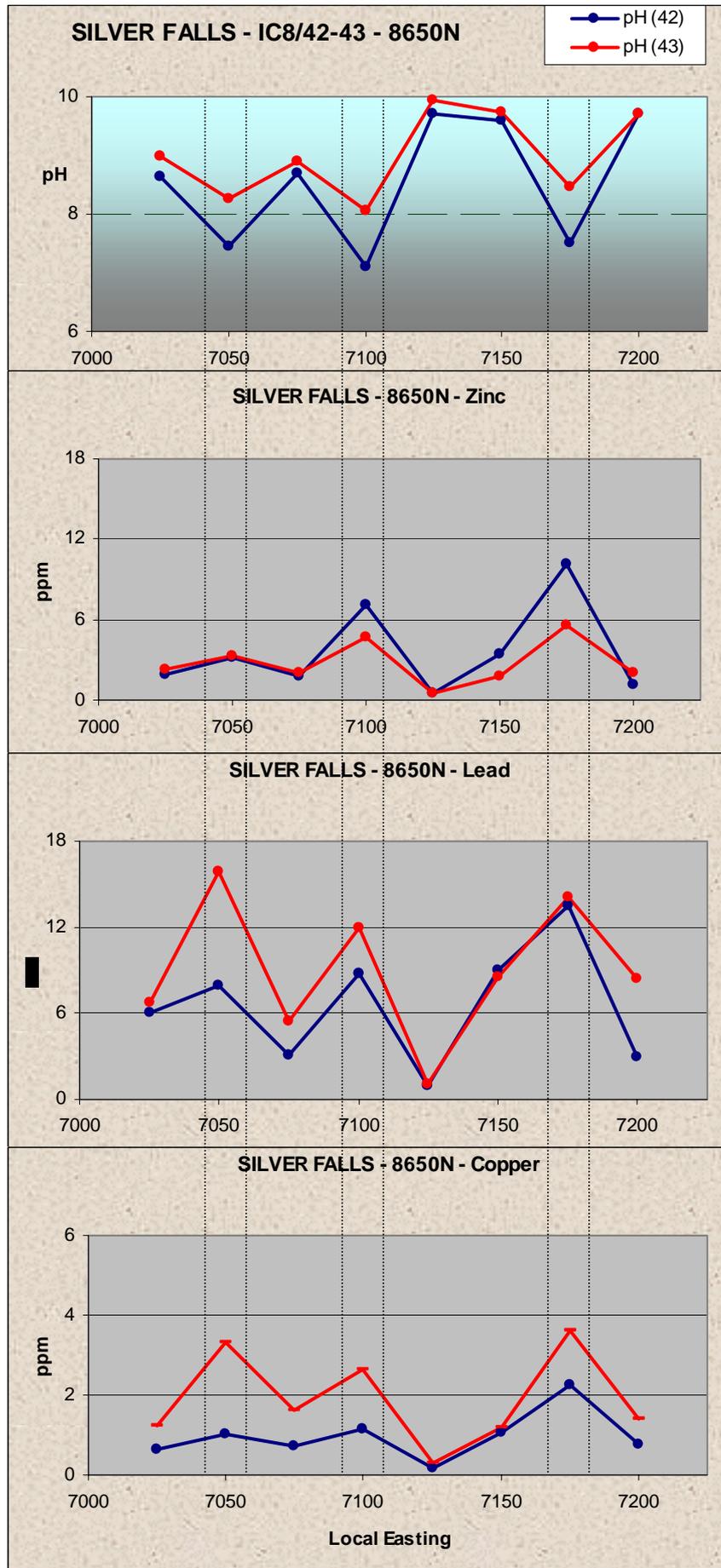


Figure 6. Local Northing 8650N – Comparison of IC8/42 (blue) results with IC8/43 (red).

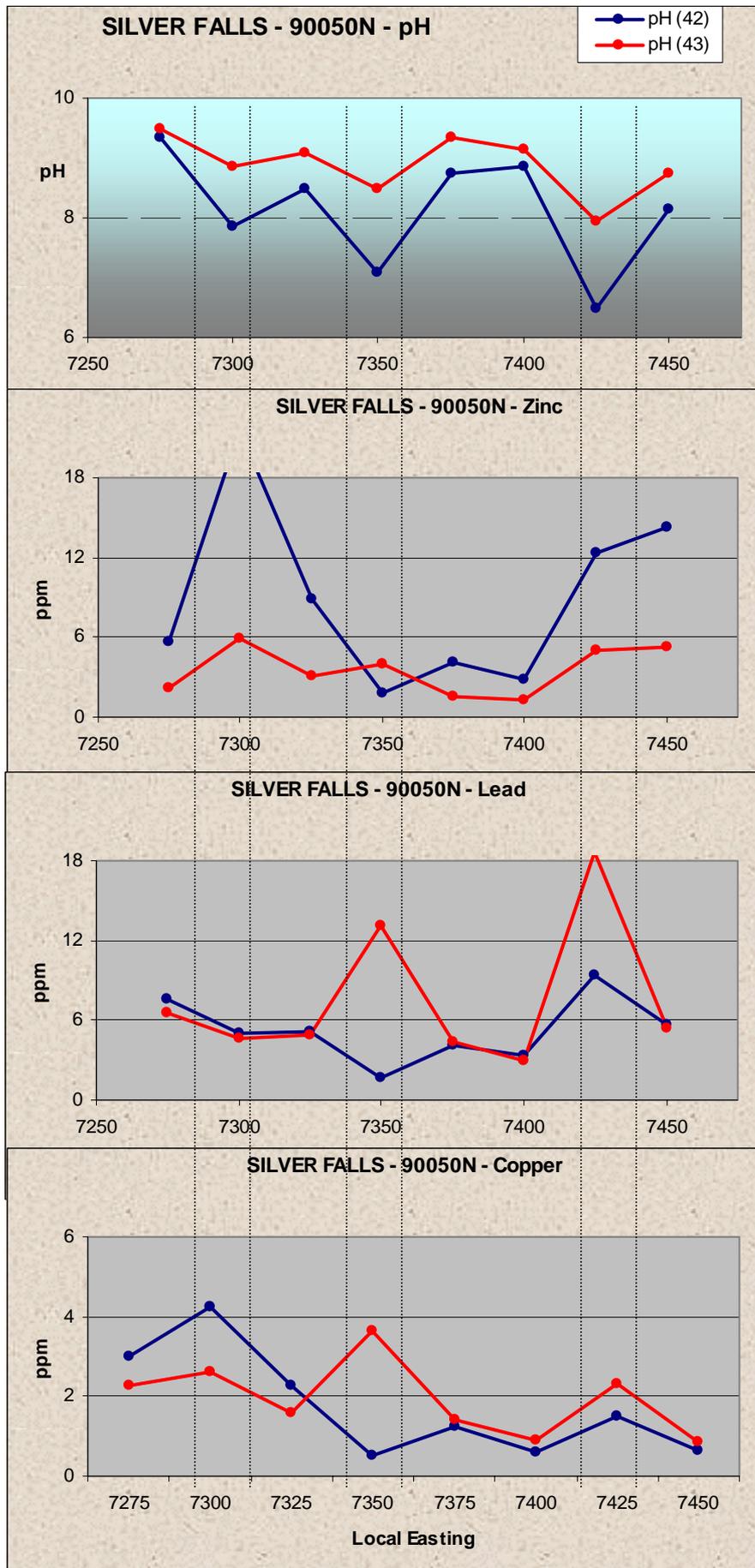


Figure 7. Local Northing 90050N – Comparison of IC8/42 (blue) results with IC8/43 (red).

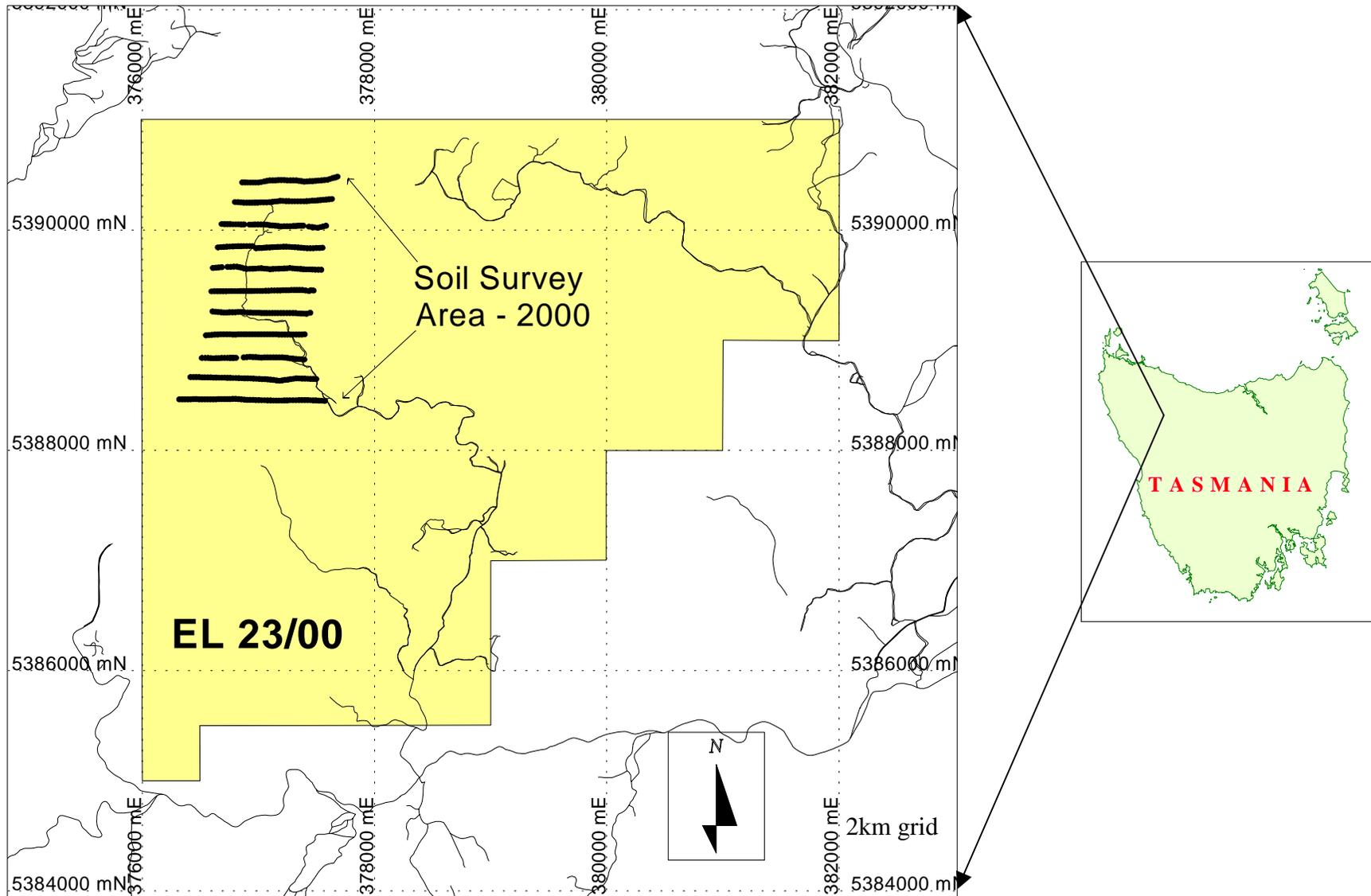


Figure 8. Silver Falls (EL23-00) showing the location of the Partial Leach Soil Sampling Grid ('00-'01)

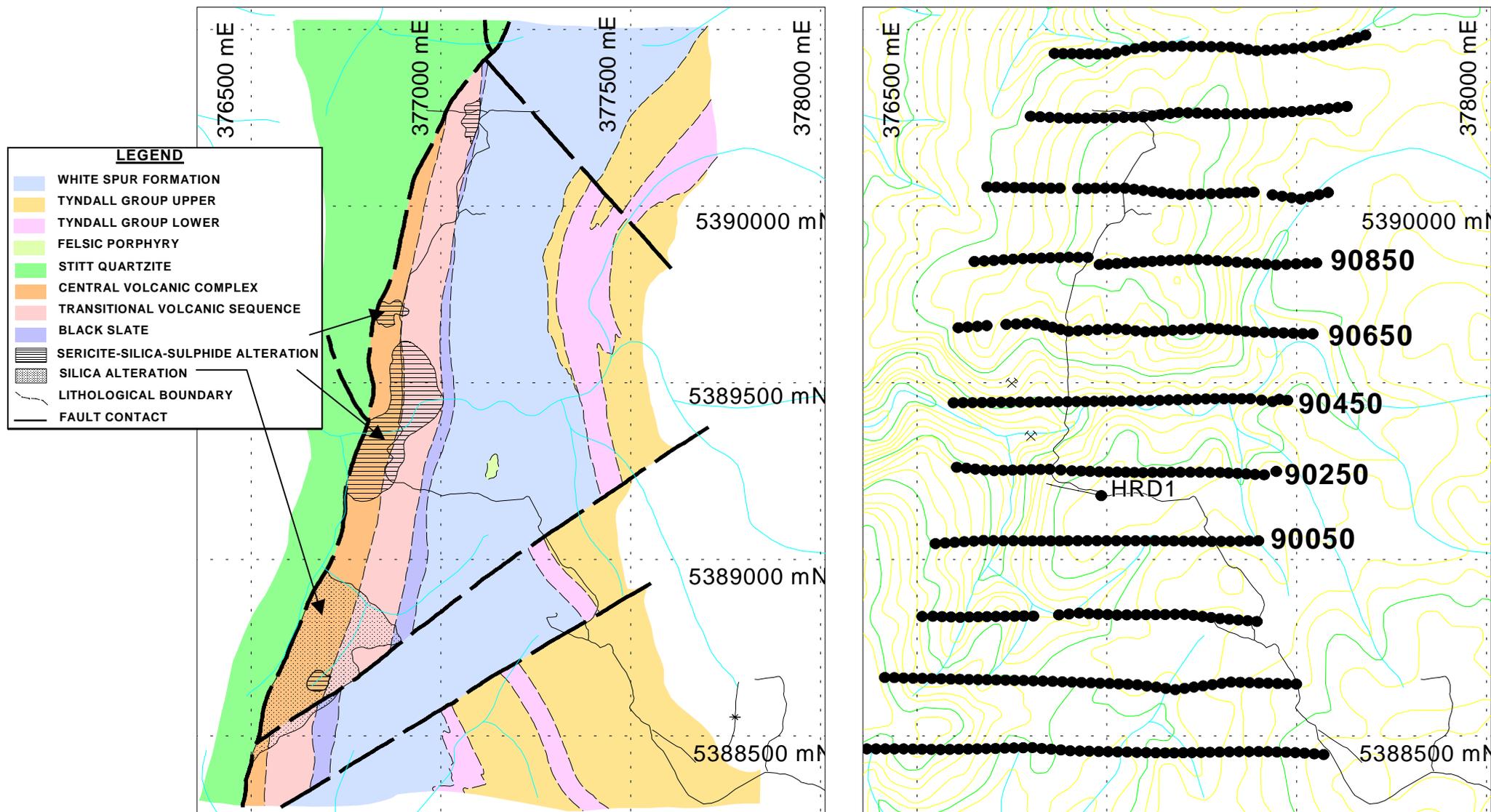
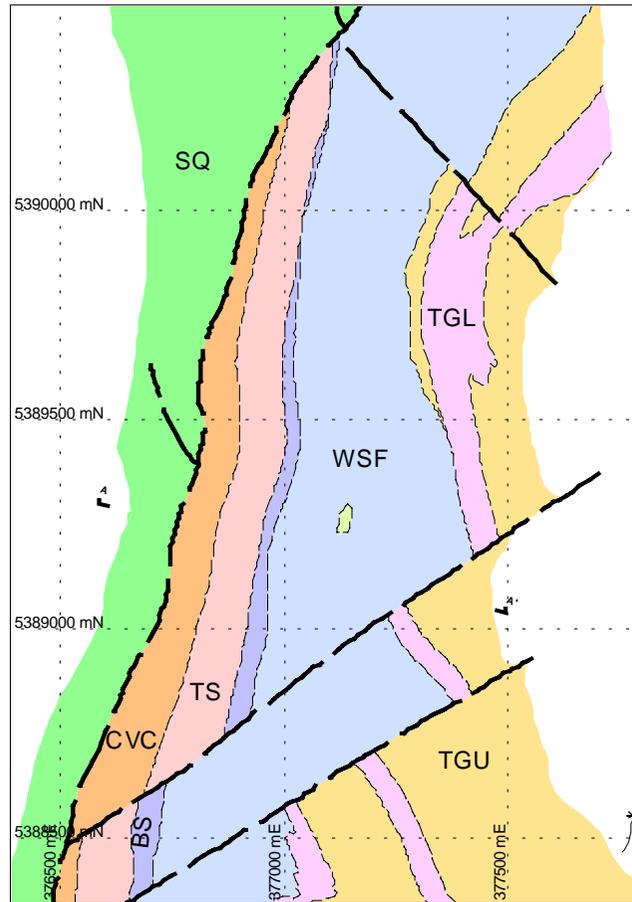
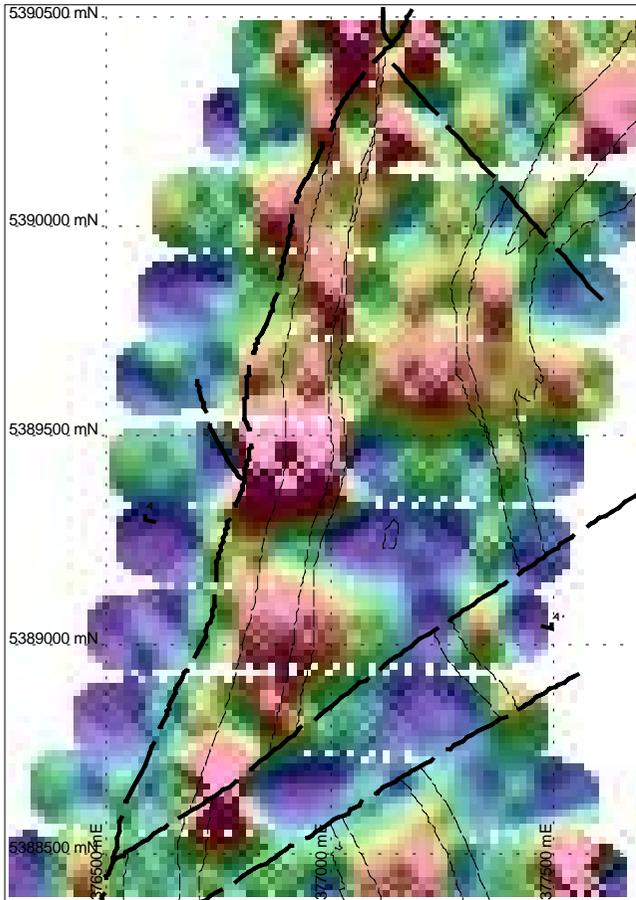


Figure 9. Silver Falls (EL23-00) showing the prospect scale geology & topography of the Soil Sampling Grid ('00-'01)

Zn geochemistry mapping out the Transitional Sequence (TS)



PROSPECT GEOLOGY

Pb geochemistry mapping out the CVC & Transitional Sequence (TS)

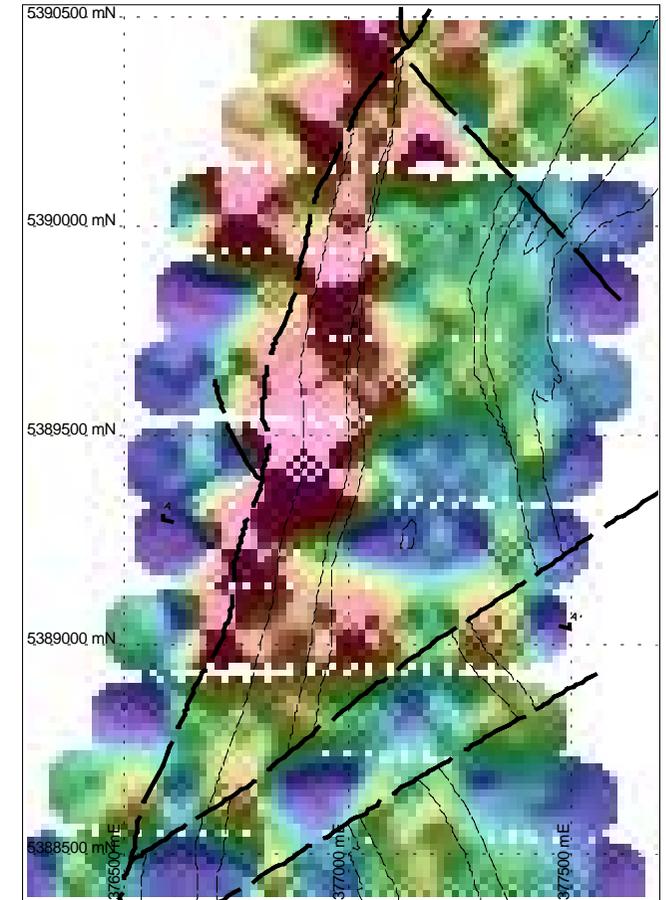
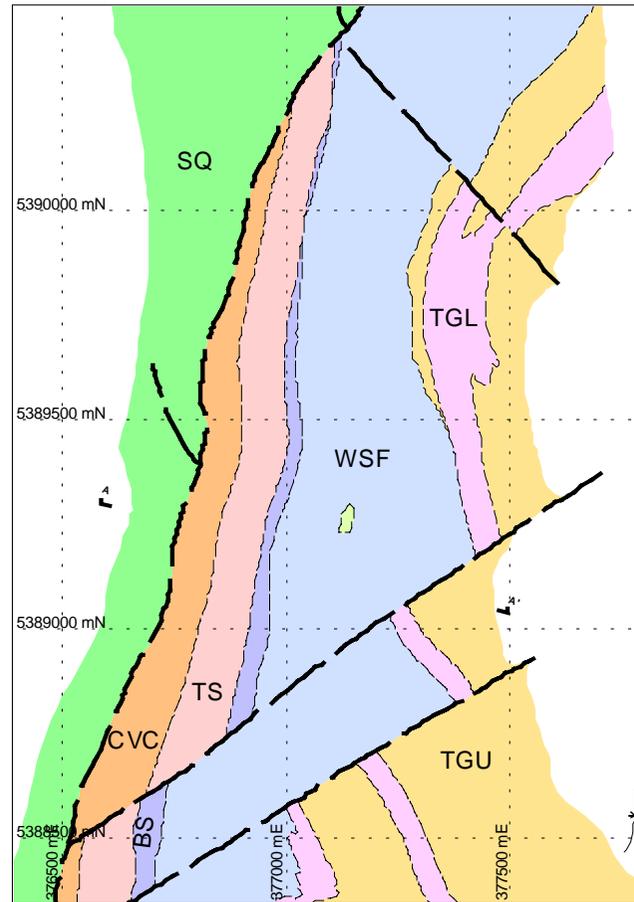
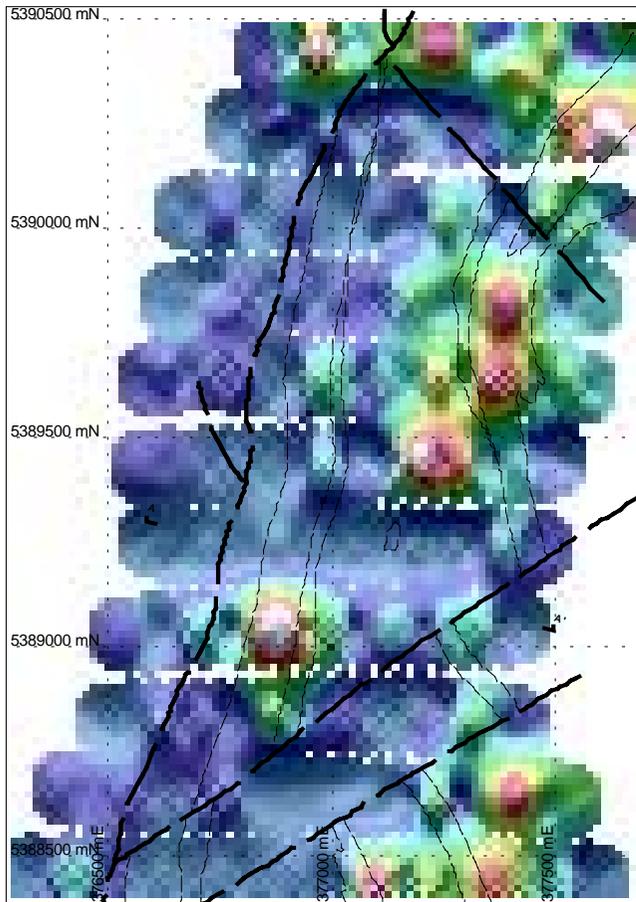


Figure 10. Silver Falls (EL23-00) Partial Leach results (Zn-Pb – 90th percentile) used to assist in Lithological Mapping of the grid.

Ba geochemistry mapping out the Tyndall Group (TGL/TGU)



PROSPECT GEOLOGY

Ni geochemistry mapping out the Tyndall Group (TGL/TGU)

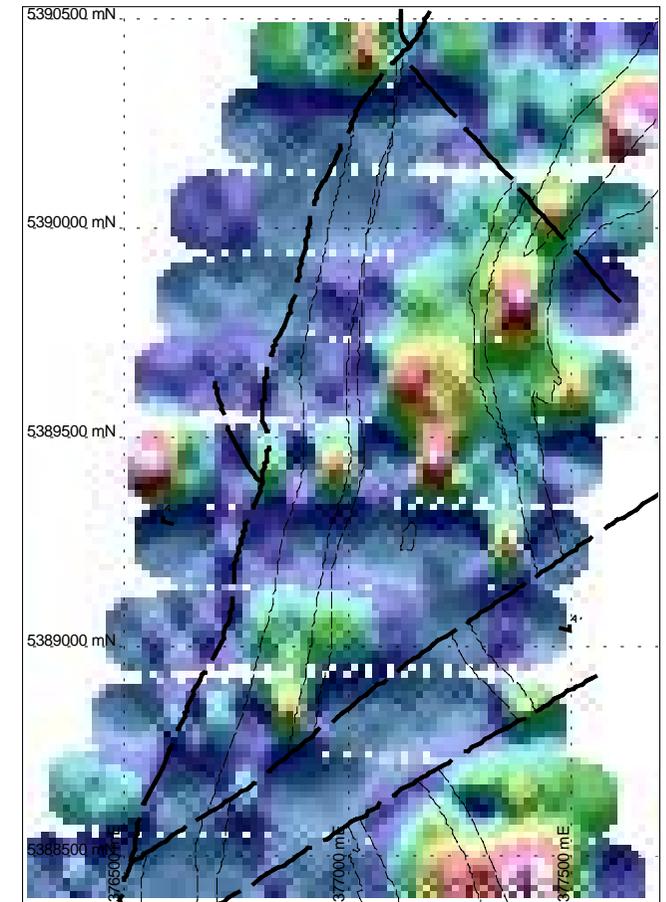
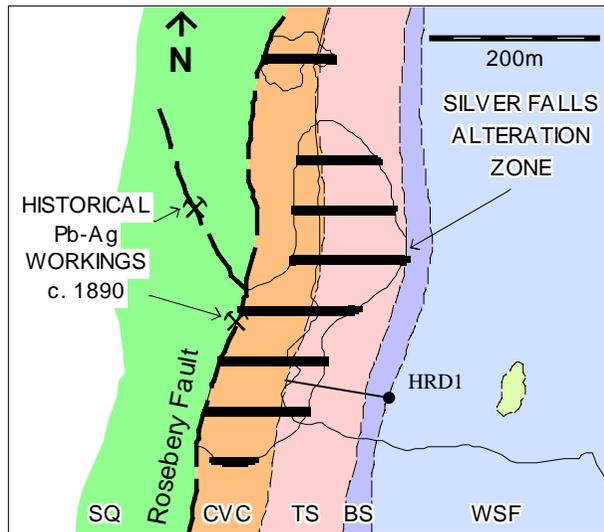


Figure 11. Silver Falls (EL23-00) Partial Leach results (Ba-Ni – 95th percentile) used to assist in Lithological Mapping of the grid.

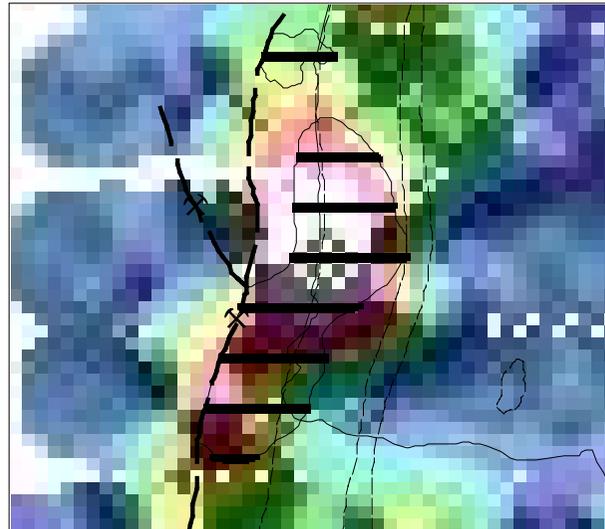
Geology



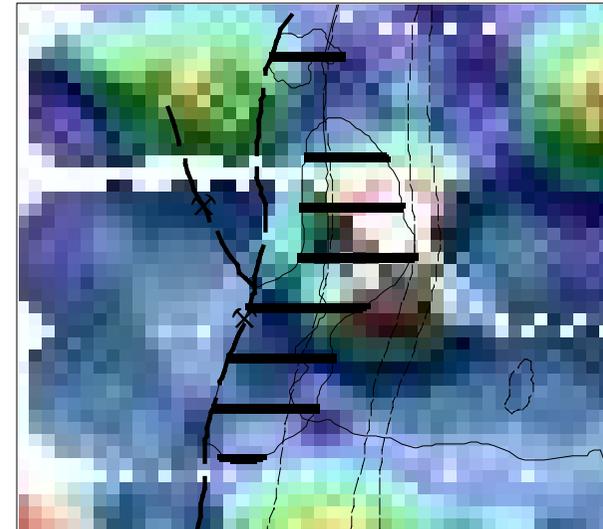
Zinc



Lead



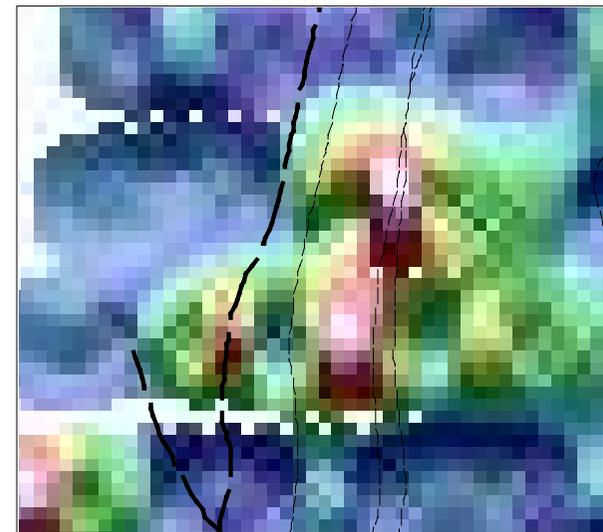
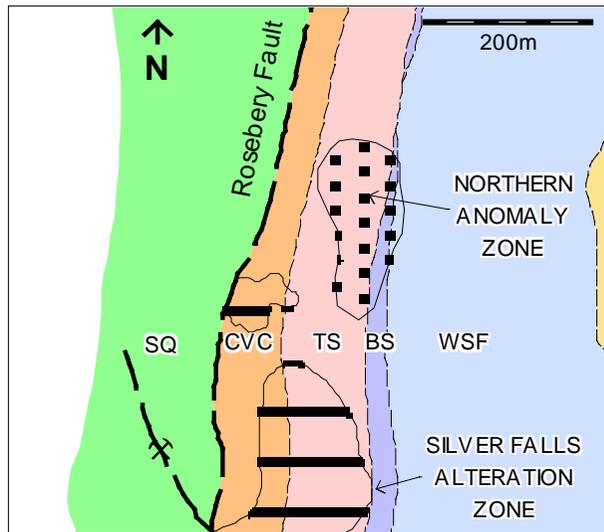
Cadmium



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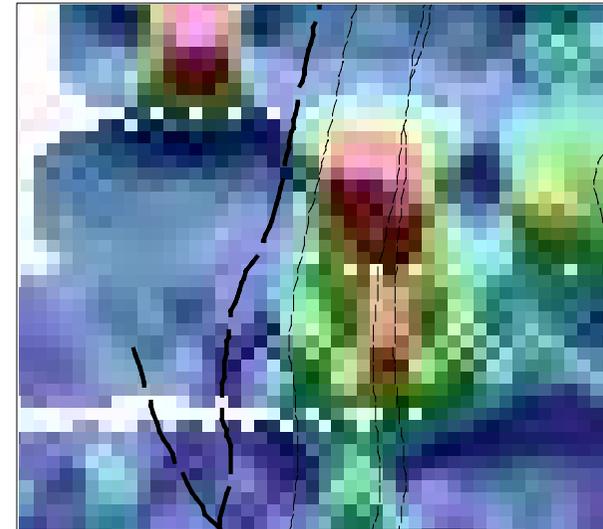
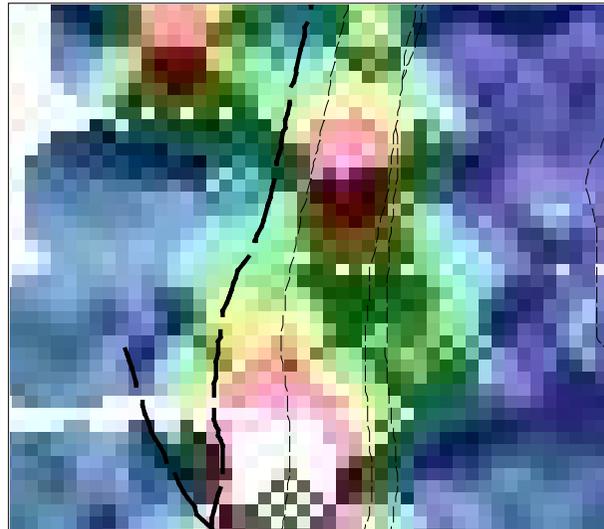
Figure 12. Silver Falls (EL23-00) Partial Leach results (Pb-Zn-Cd – 95th percentile) coincident with the Alteration Zone.

Geology



Copper

Lead



Arsenic



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Figure 13. Silver Falls (EL23-00) Partial Leach results (Pb-Cu-As – 95th percentile) forming the Northern Anomaly Zone.

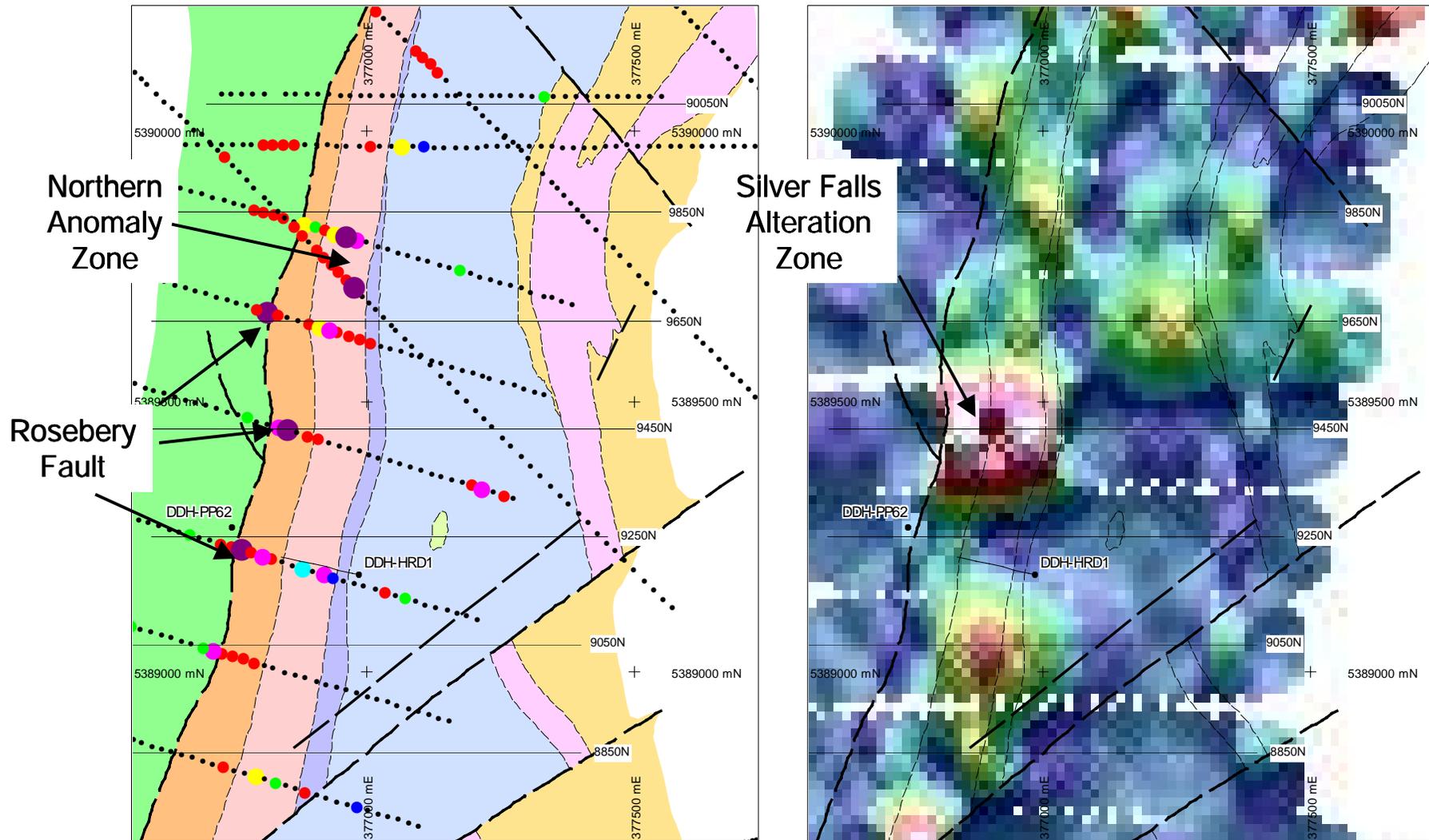


Figure 14. Silver Falls Geology & Historical C-Horizon Soil Sampling with 98th percentile image RGB (Pb-Cu-Zn), picking up the Rosebery Fault and Northern Anomaly Zones. HRD1 testing mineralisation associated with Rosebery Fault. Image 2 on right, shows Zn (95th percentile) from partial leach sampling, showing that HRD1 may have missed a deeper target due to mineralisation not associated with the Rosebery Fault.

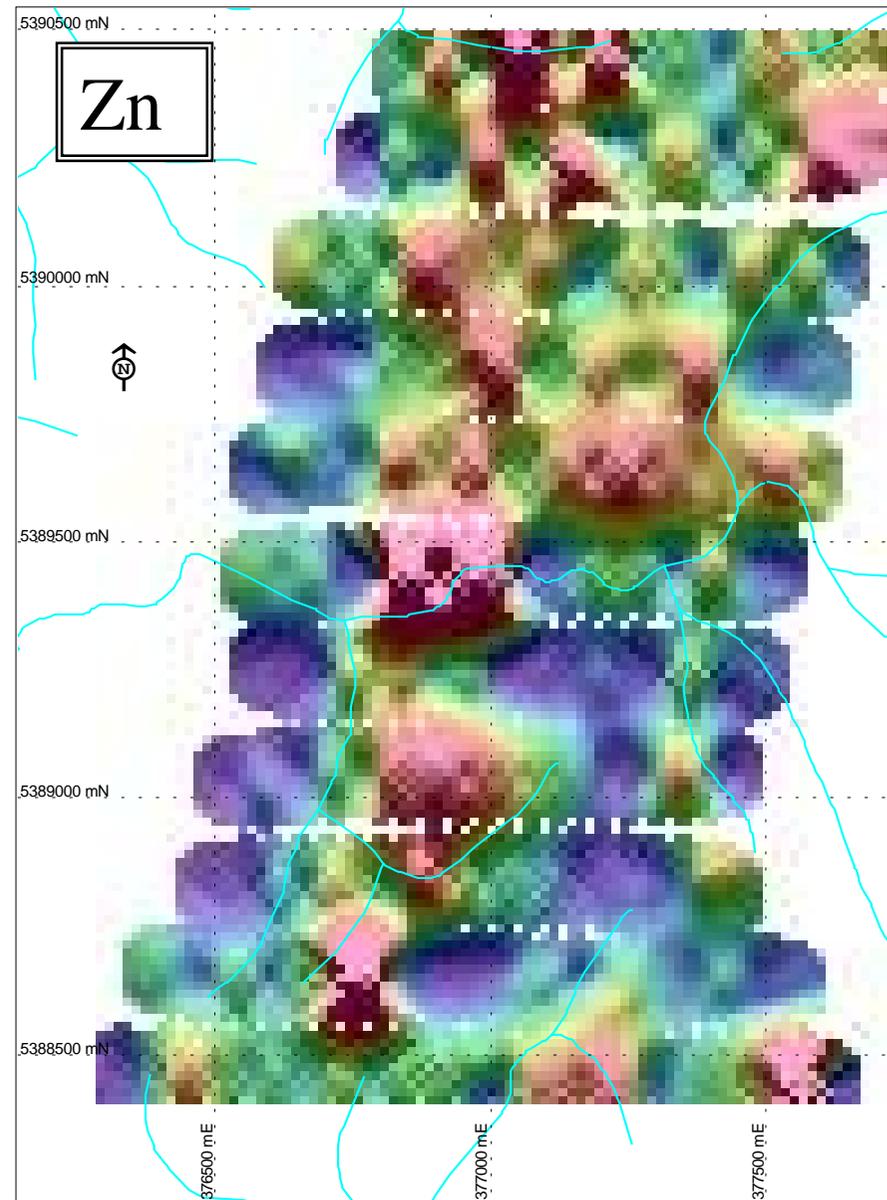
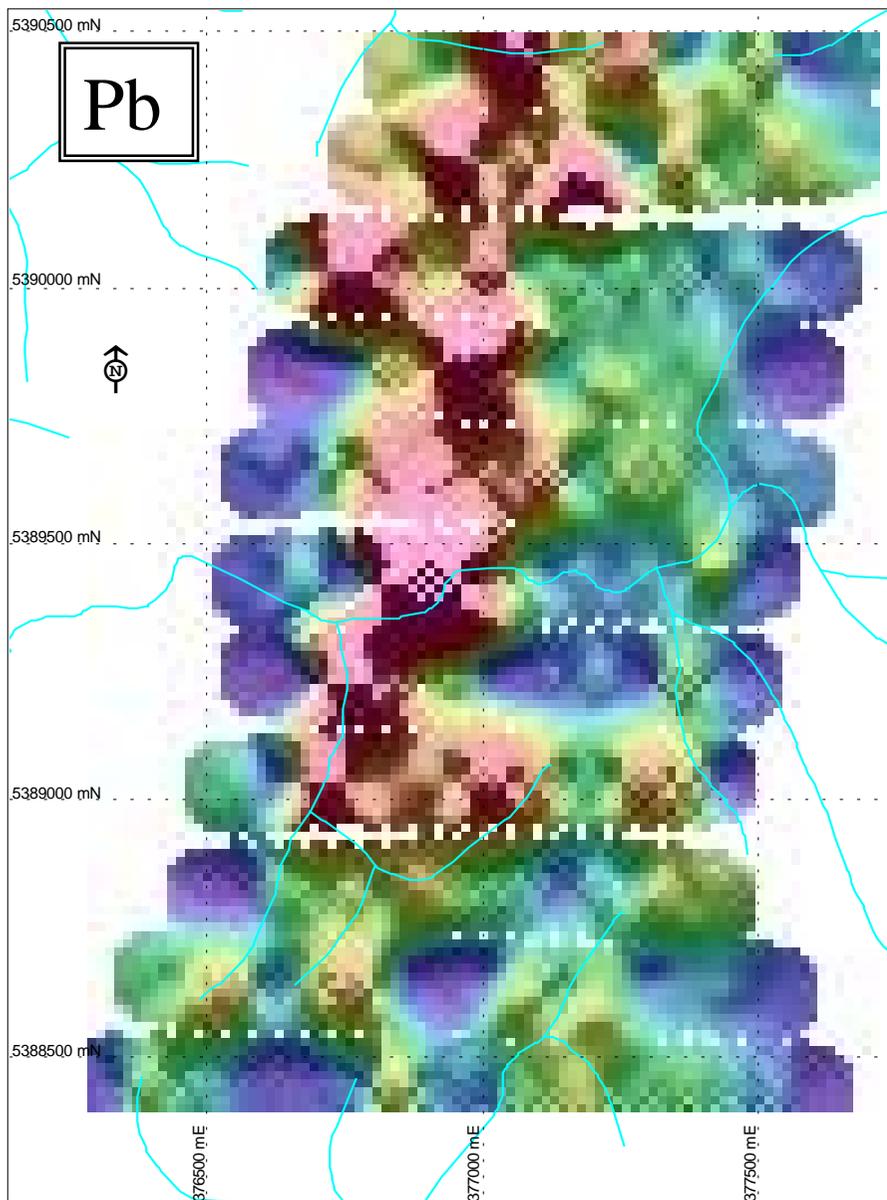


Figure 15. Silver Falls (EL23-00) Partial Leach Sampling (Pb-Zn) 90th percentile image of results.

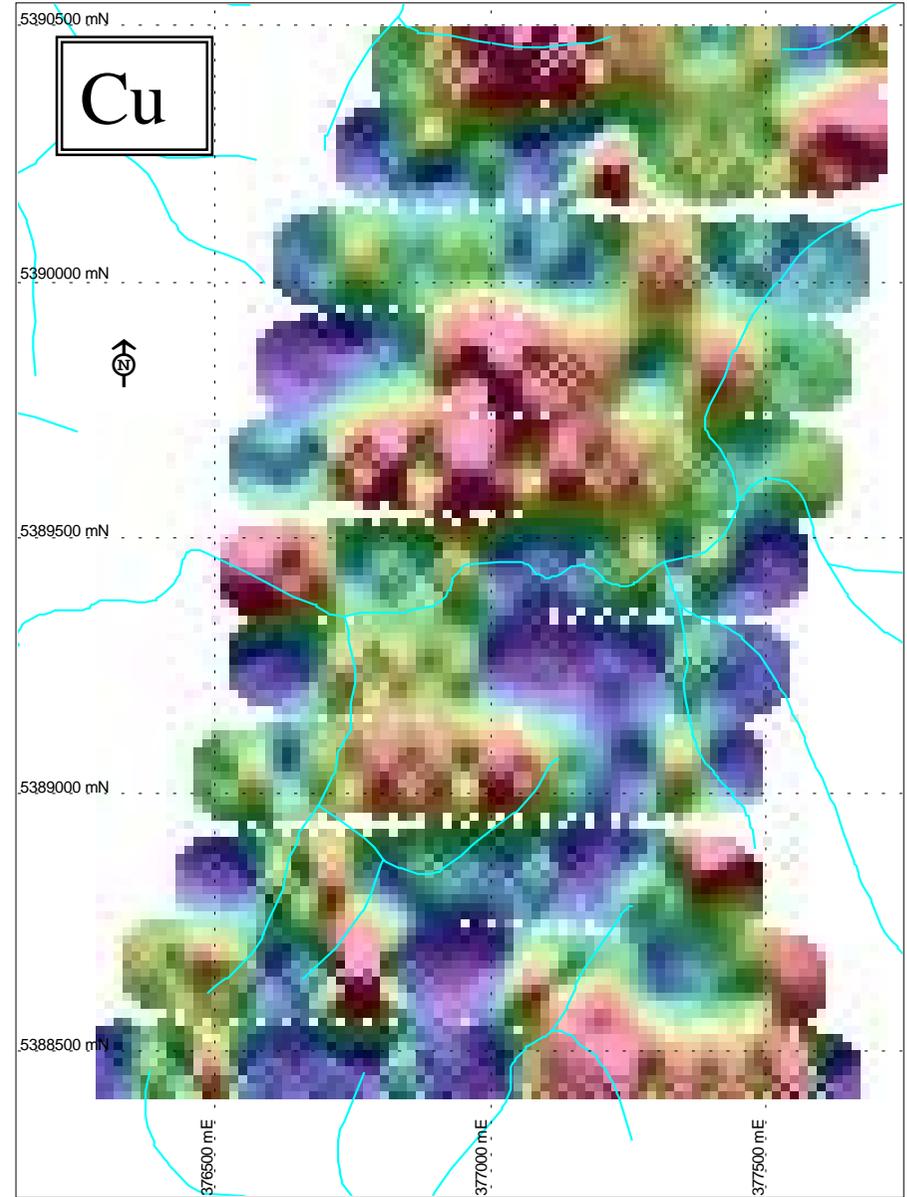
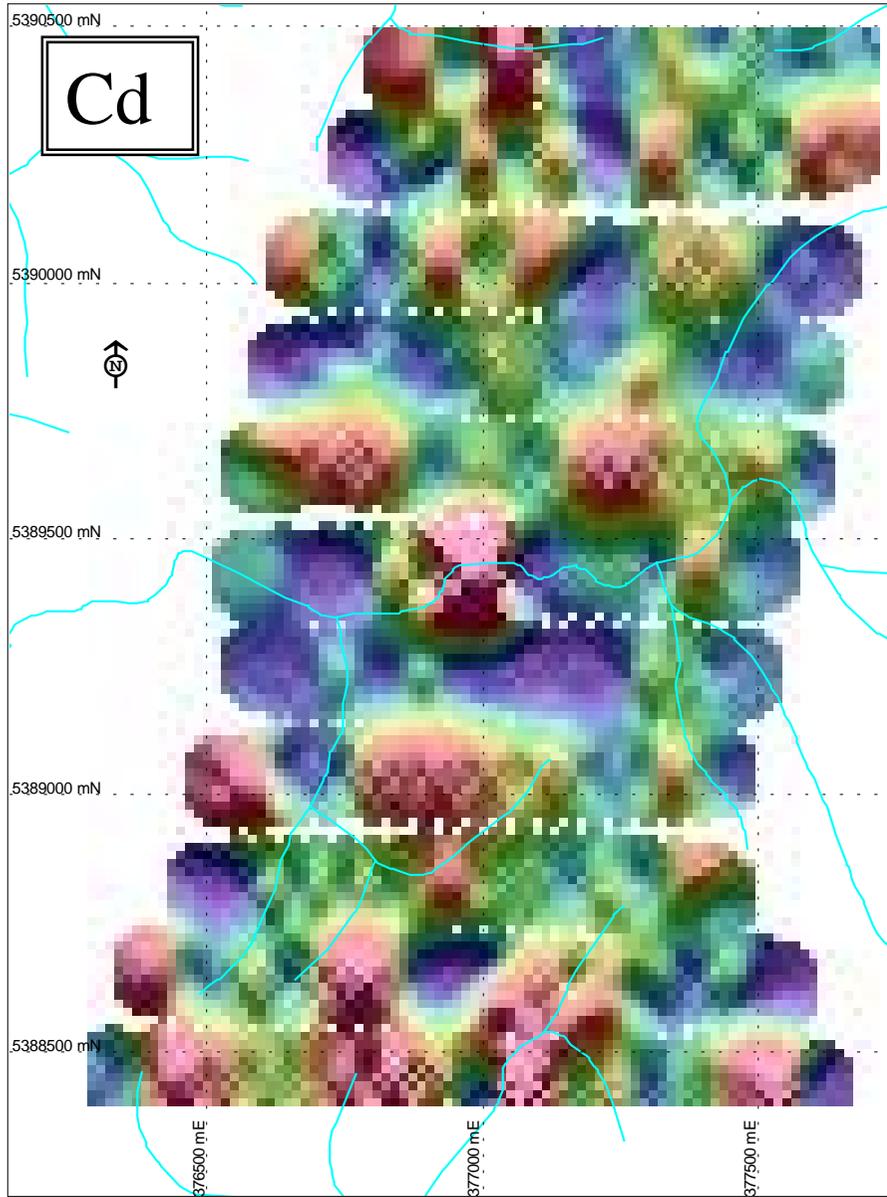


Figure 16. Silver Falls (EL23-00) Partial Leach Sampling (Cd-Cu) 90th percentile image of results.

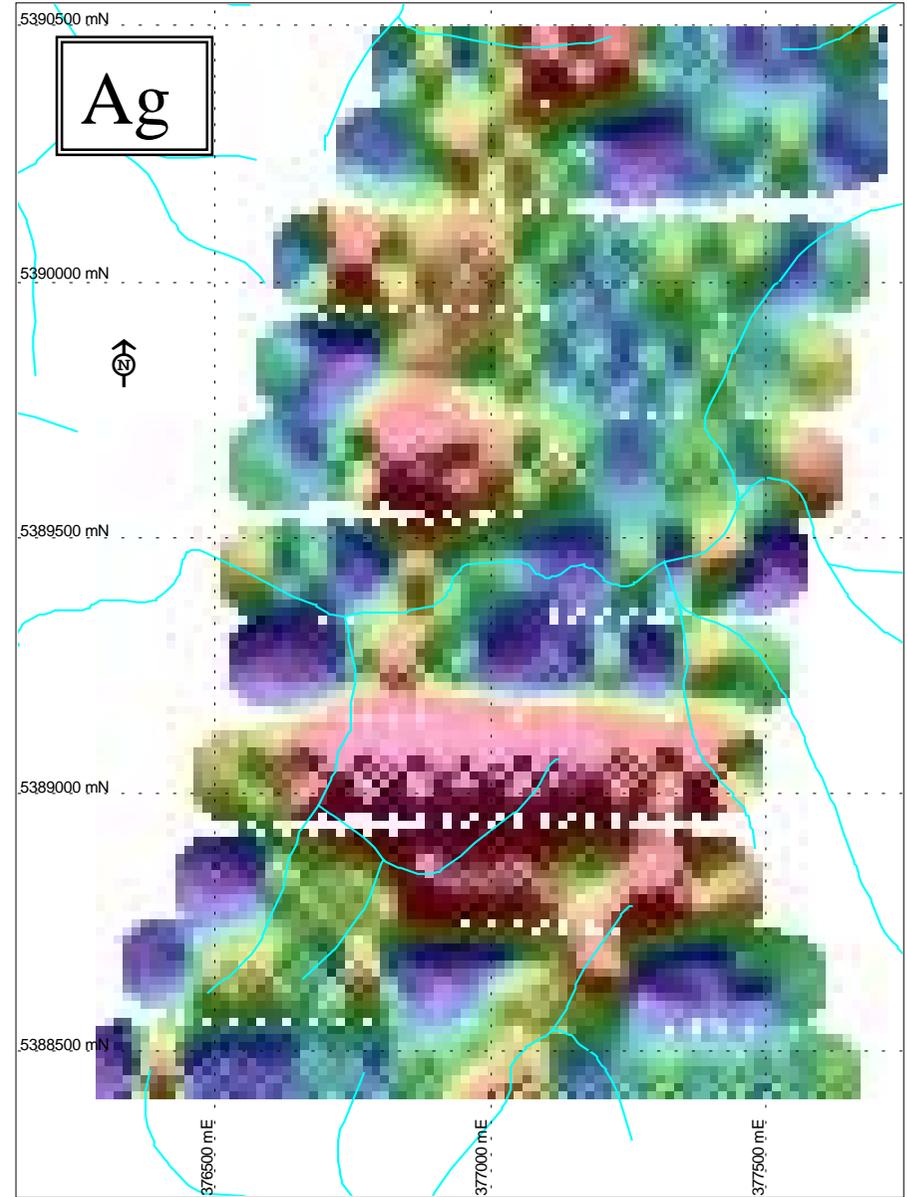
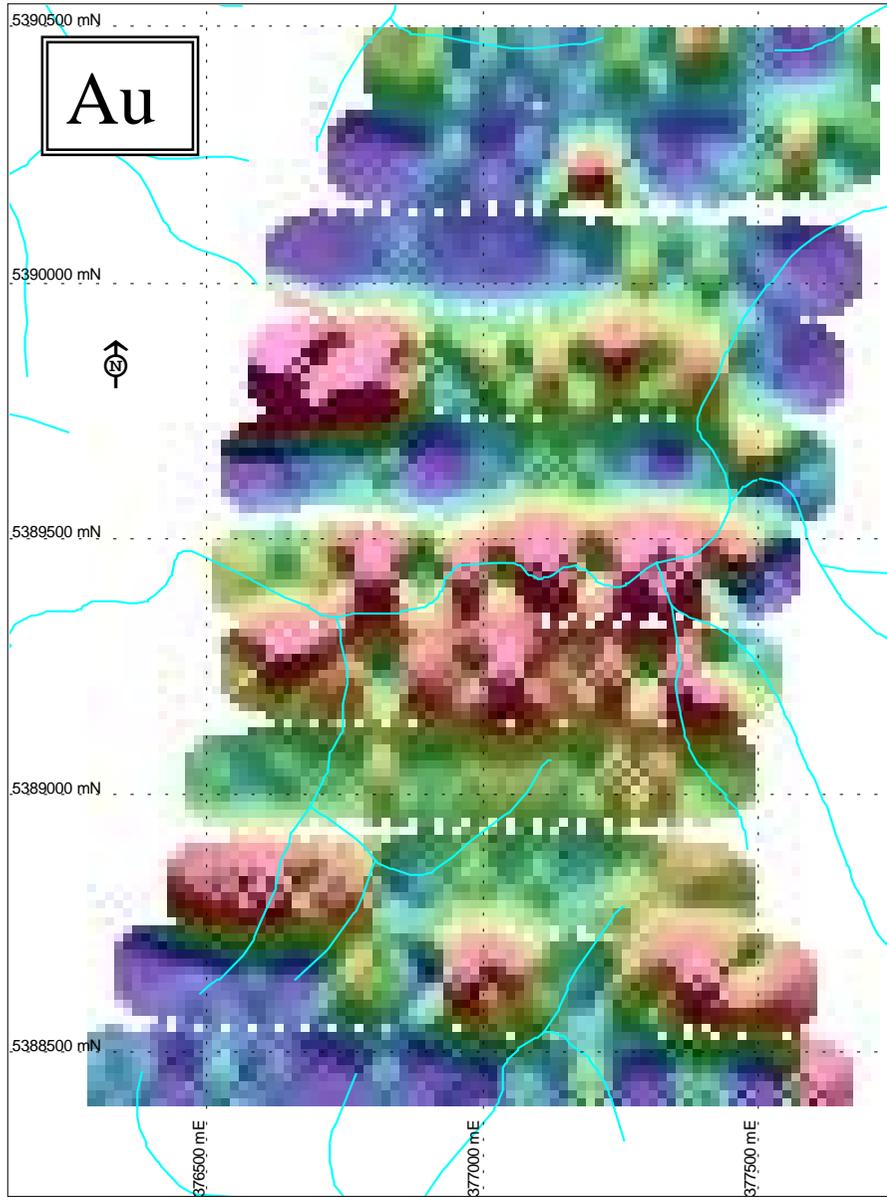


Figure 17. Silver Falls (EL23-00) Partial Leach Sampling (Au-Ag) 90th percentile image of results.

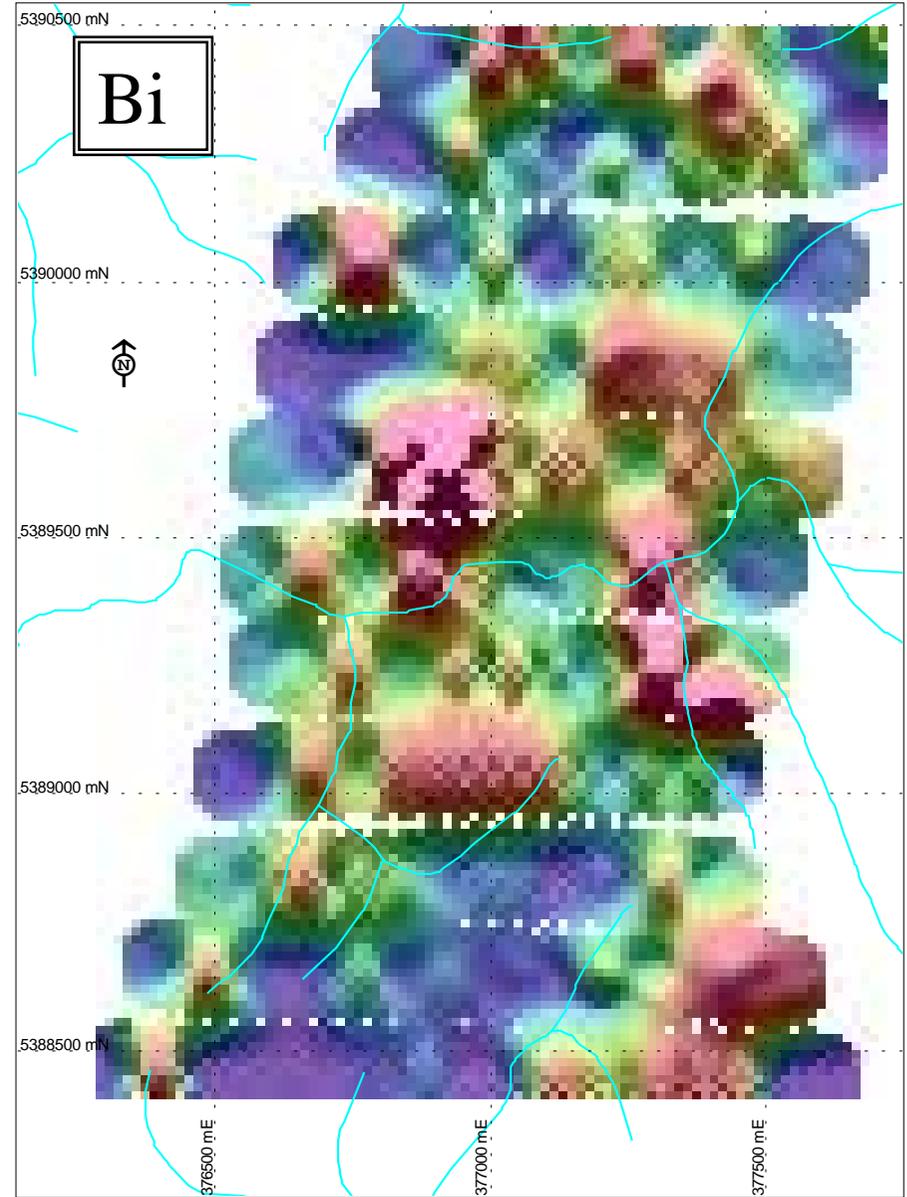
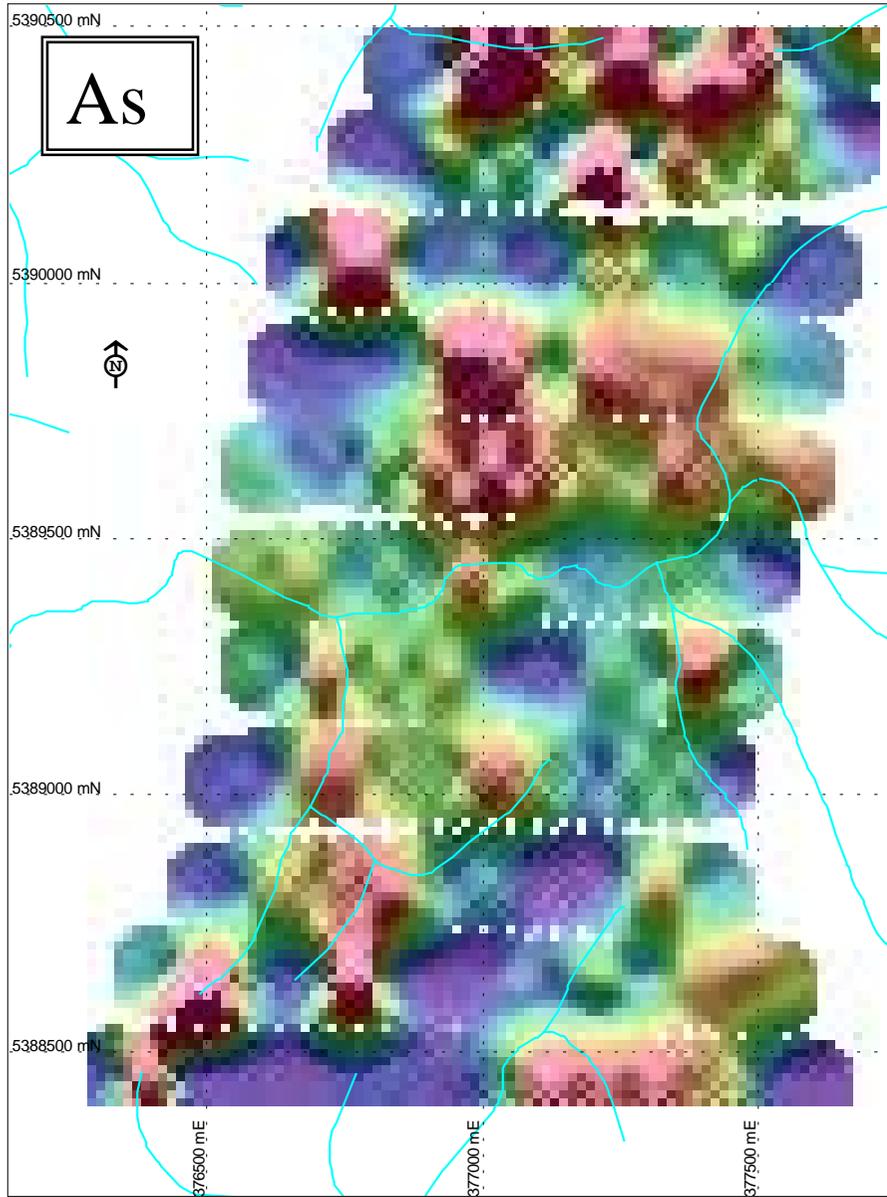


Figure 18. Silver Falls (EL23-00) Partial Leach Sampling (As-Bi) 90th percentile image of results.

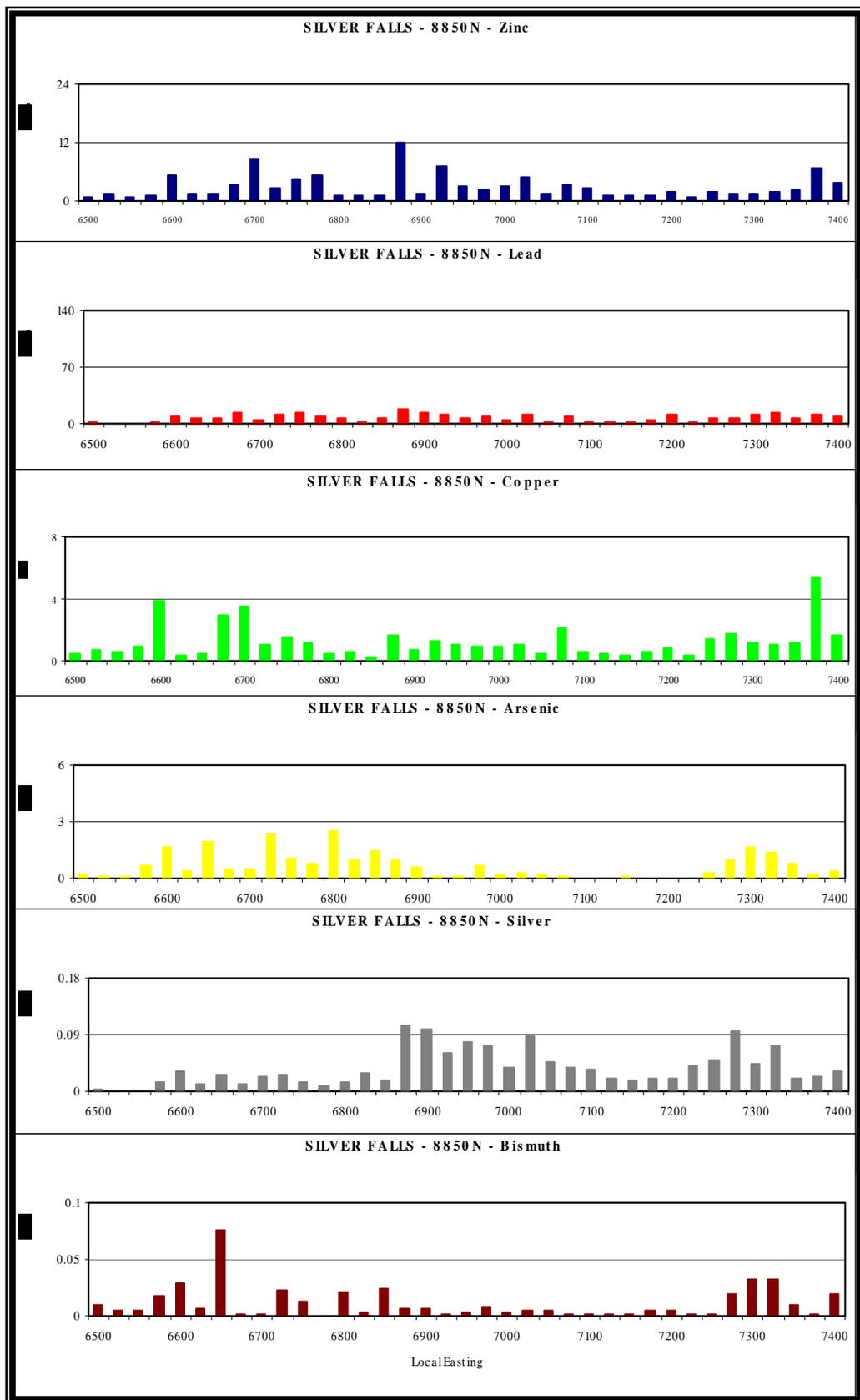


Figure 19. Partial Leach Profiles: Zinc (blue), Lead (red), Copper (green), Arsenic (yellow), Silver (grey) and Bismuth (blue). Centre line represents 95th percentile of all samples: 11.9ppmZn, 70.9ppmPb, 3.64ppmCu, 2.89ppmAs, 0.089ppmAg, 0.052ppmBi.



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**SILVER FALLS PROSPECT
PROFILE LINE – 8850N**

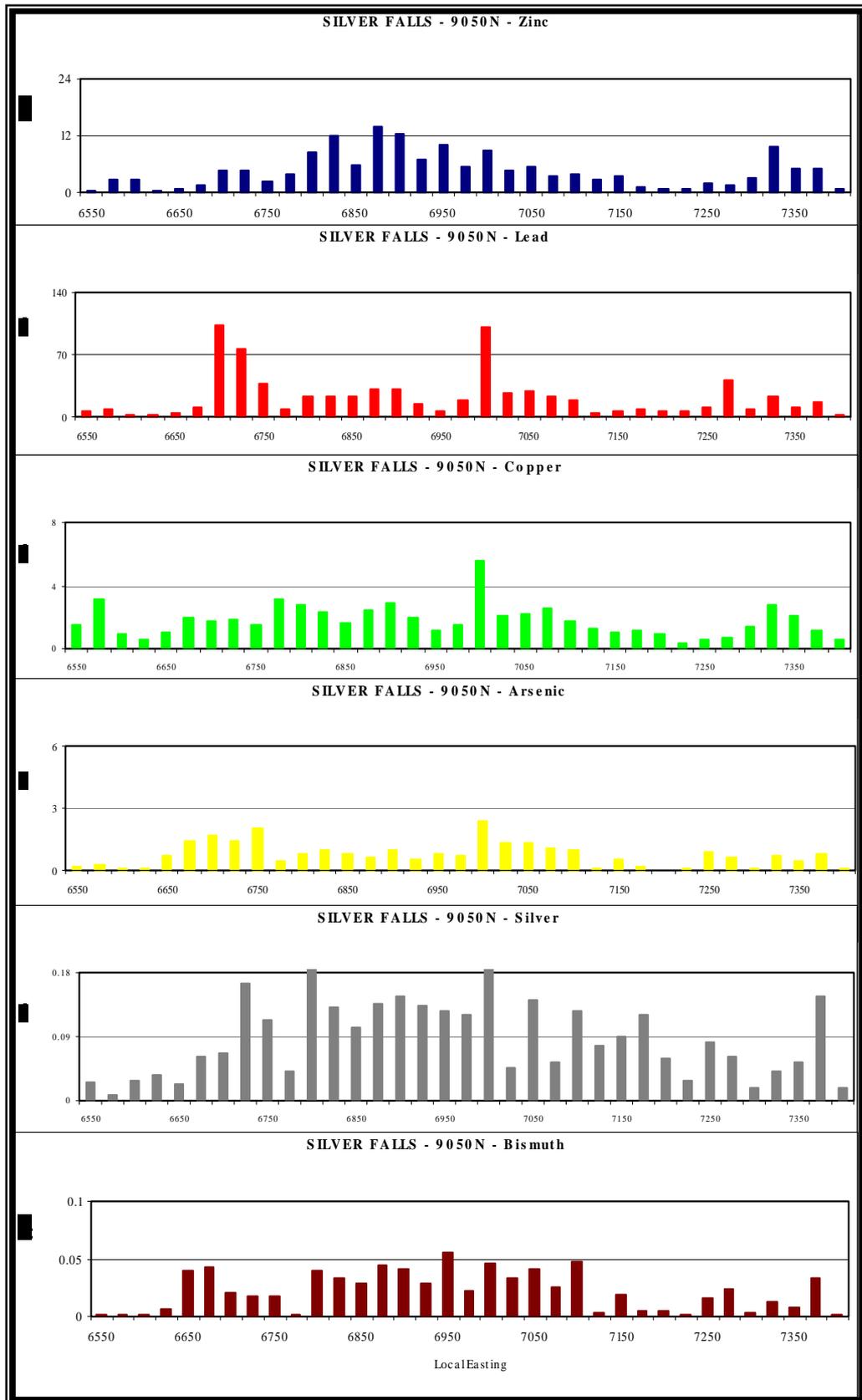


Figure 20. Partial Leach Profiles: Zinc (blue), Lead (red), Copper (green), Arsenic (yellow), Silver (grey) and Bismuth (blue). Centre line represents 95th percentile of all samples: 11.9ppmZn, 70.9ppmPb, 3.64ppmCu, 2.89ppmAs, 0.089ppmAg, 0.052ppmBi.

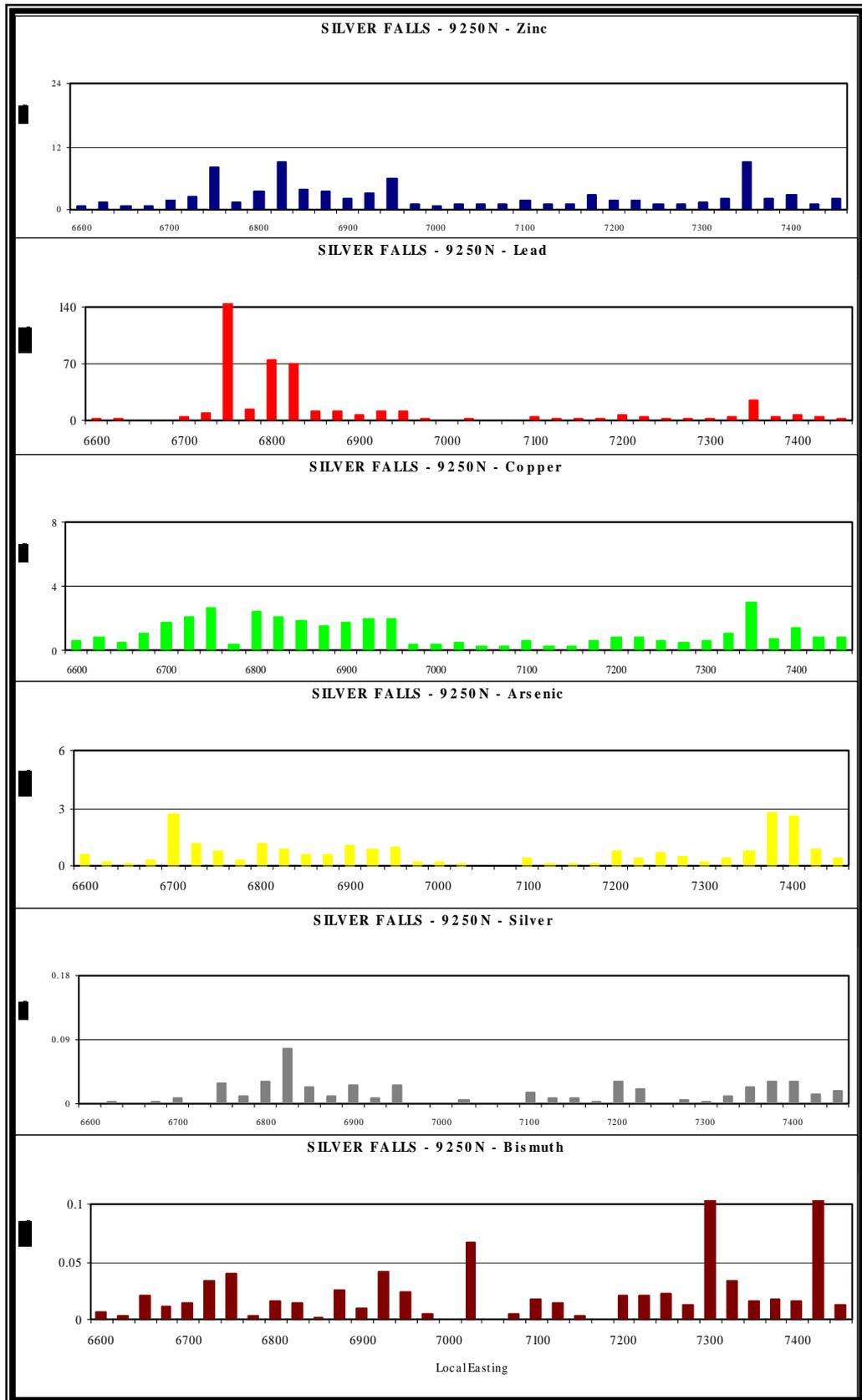


Figure 21. Partial Leach Profiles: Zinc (blue), Lead (red), Copper (green), Arsenic (yellow), Silver (grey) and Bismuth (blue). Centre line represents 95th percentile of all samples: 11.9ppmZn, 70.9ppmPb, 3.64ppmCu, 2.89ppmAs, 0.089ppmAg, 0.052ppmBi.



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**SILVER FALLS PROSPECT
PROFILE LINE – 9250N**

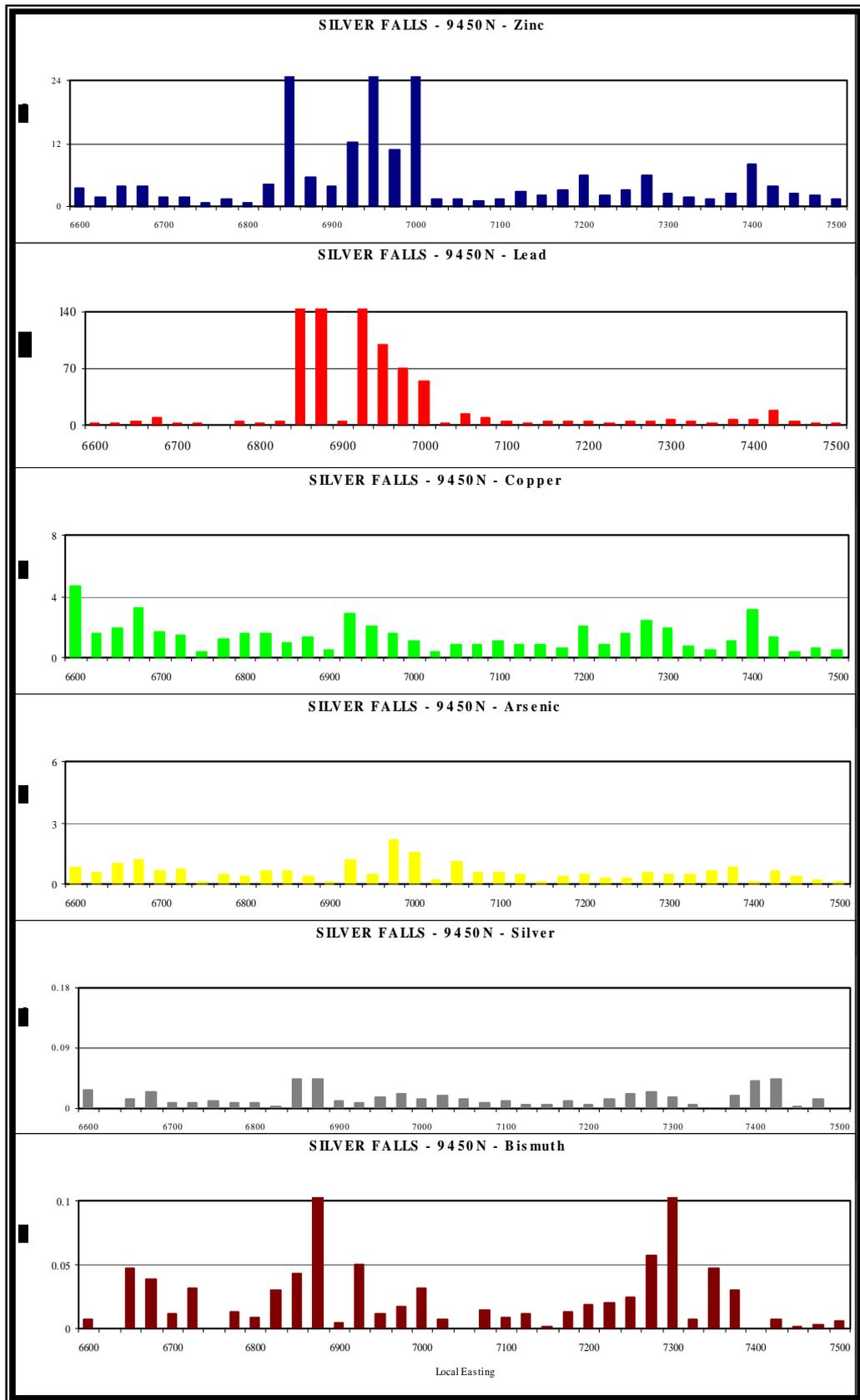


Figure 22. Partial Leach Profiles: Zinc (blue), Lead (red), Copper (green), Arsenic (yellow), Silver (grey) and Bismuth (blue). Centre line represents 95th percentile of all samples: 11.9ppmZn, 70.9ppmPb, 3.64ppmCu, 2.89ppmAs, 0.089ppmAg, 0.052ppmBi.



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**SILVER FALLS PROSPECT
PROFILE LINE – 9450N**

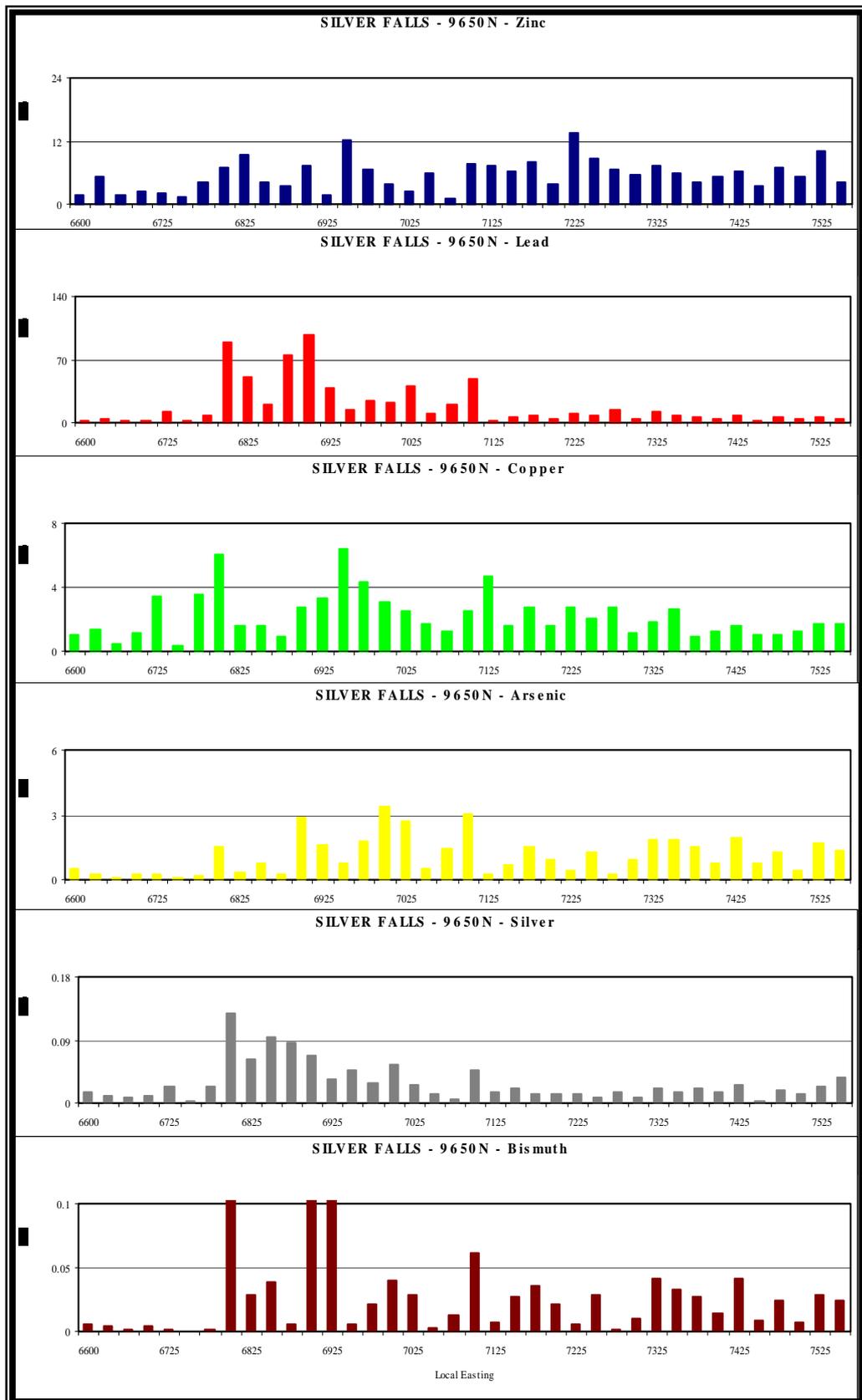


Figure 23. Partial Leach Profiles: Zinc (blue), Lead (red), Copper (green), Arsenic (yellow), Silver (grey) and Bismuth (blue). Centre line represents 95th percentile of all samples: 11.9ppmZn, 70.9ppmPb, 3.64ppmCu, 2.89ppmAs, 0.089ppmAg, 0.052ppmBi.



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**SILVER FALLS PROSPECT
PROFILE LINE – 9650N**

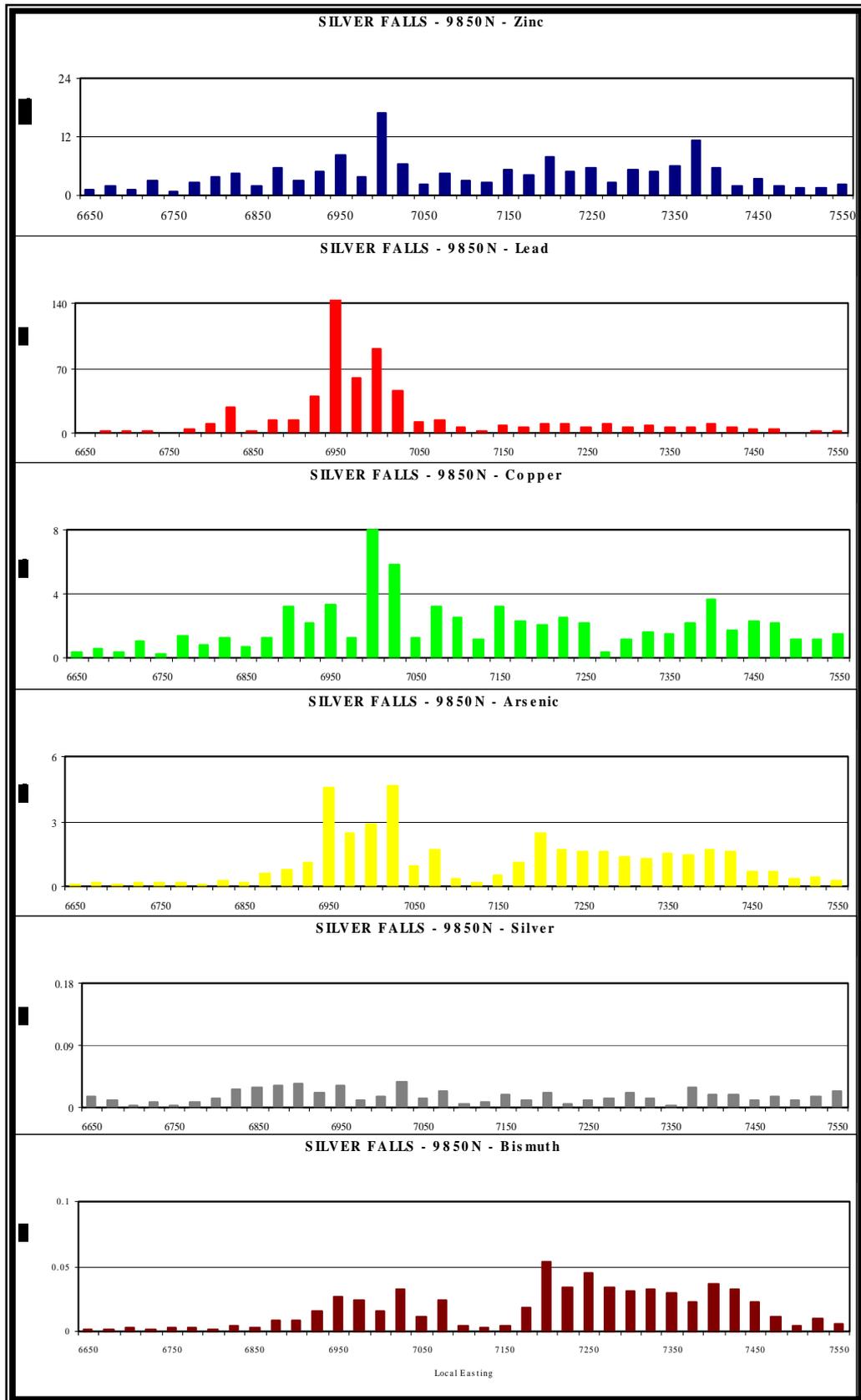


Figure 24. Partial Leach Profiles: Zinc (blue), Lead (red), Copper (green), Arsenic (yellow), Silver (grey) and Bismuth (blue). Centre line represents 95th percentile of all samples: 11.9ppmZn, 70.9ppmPb, 3.64ppmCu, 2.89ppmAs, 0.089ppmAg, 0.052ppmBi.



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**SILVER FALLS PROSPECT
PROFILE LINE – 9850N**

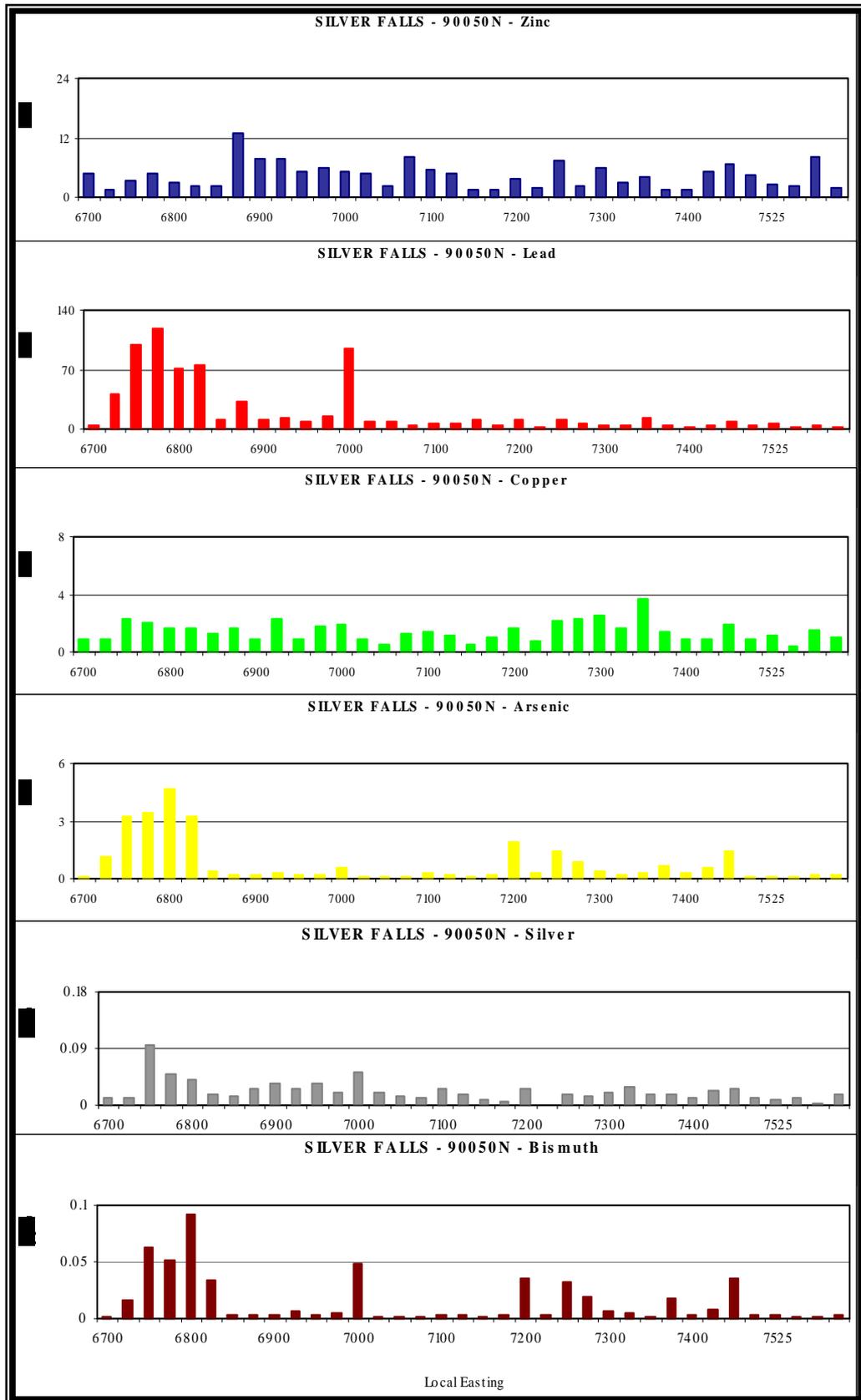


Figure 25. Partial Leach Profiles: Zinc (blue), Lead (red), Copper (green), Arsenic (yellow), Silver (grey) and Bismuth (blue). Centre line represents 95th percentile of all samples: 11.9ppmZn, 70.9ppmPb, 3.64ppmCu, 2.89ppmAs, 0.089ppmAg, 0.052ppmBi.



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**SILVER FALLS PROSPECT
PROFILE LINE – 90050N**