

Fig. 5-7 Sketch of Outcrop of the Quartz Vein along the Salak River, Ponorogo South District

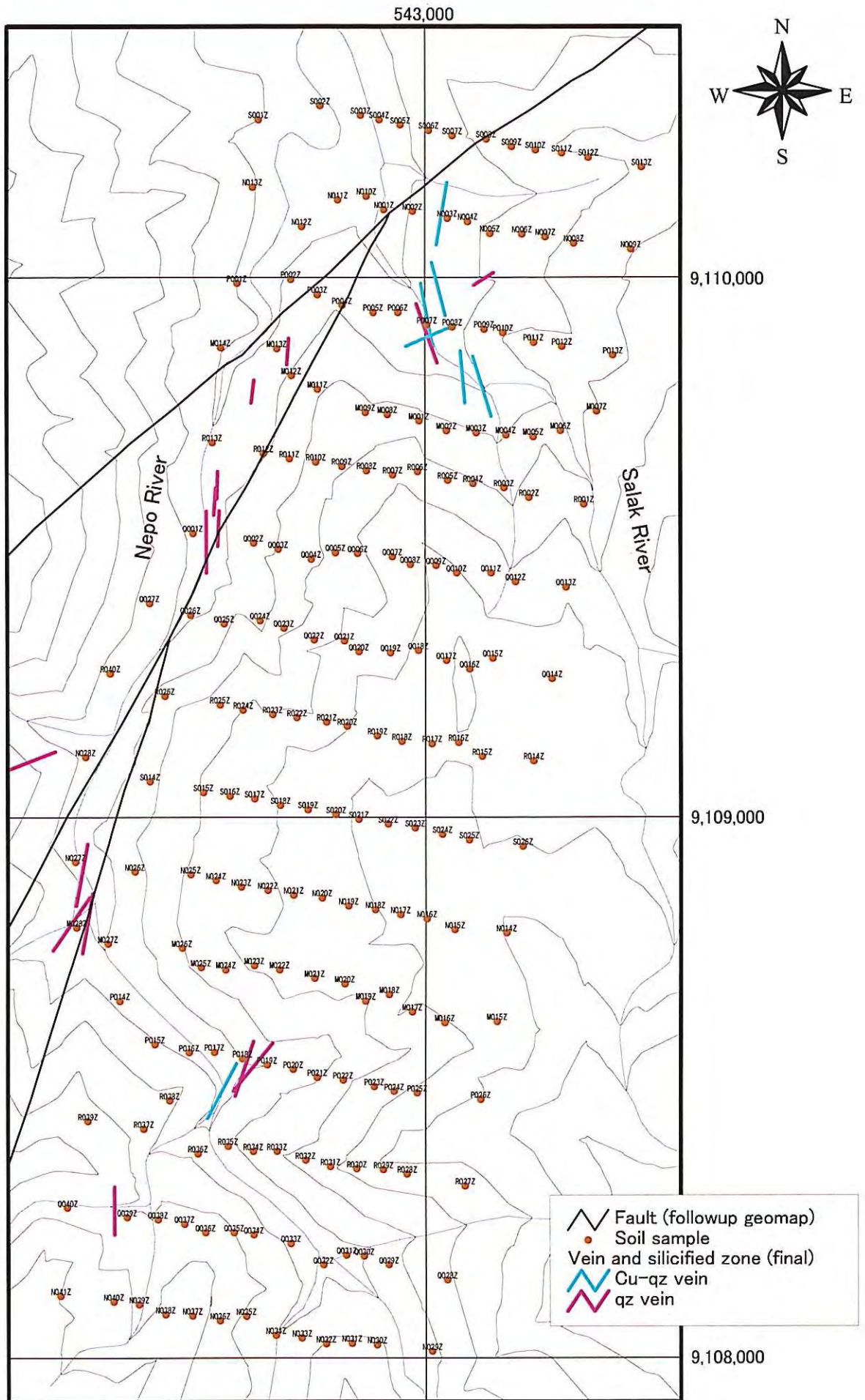
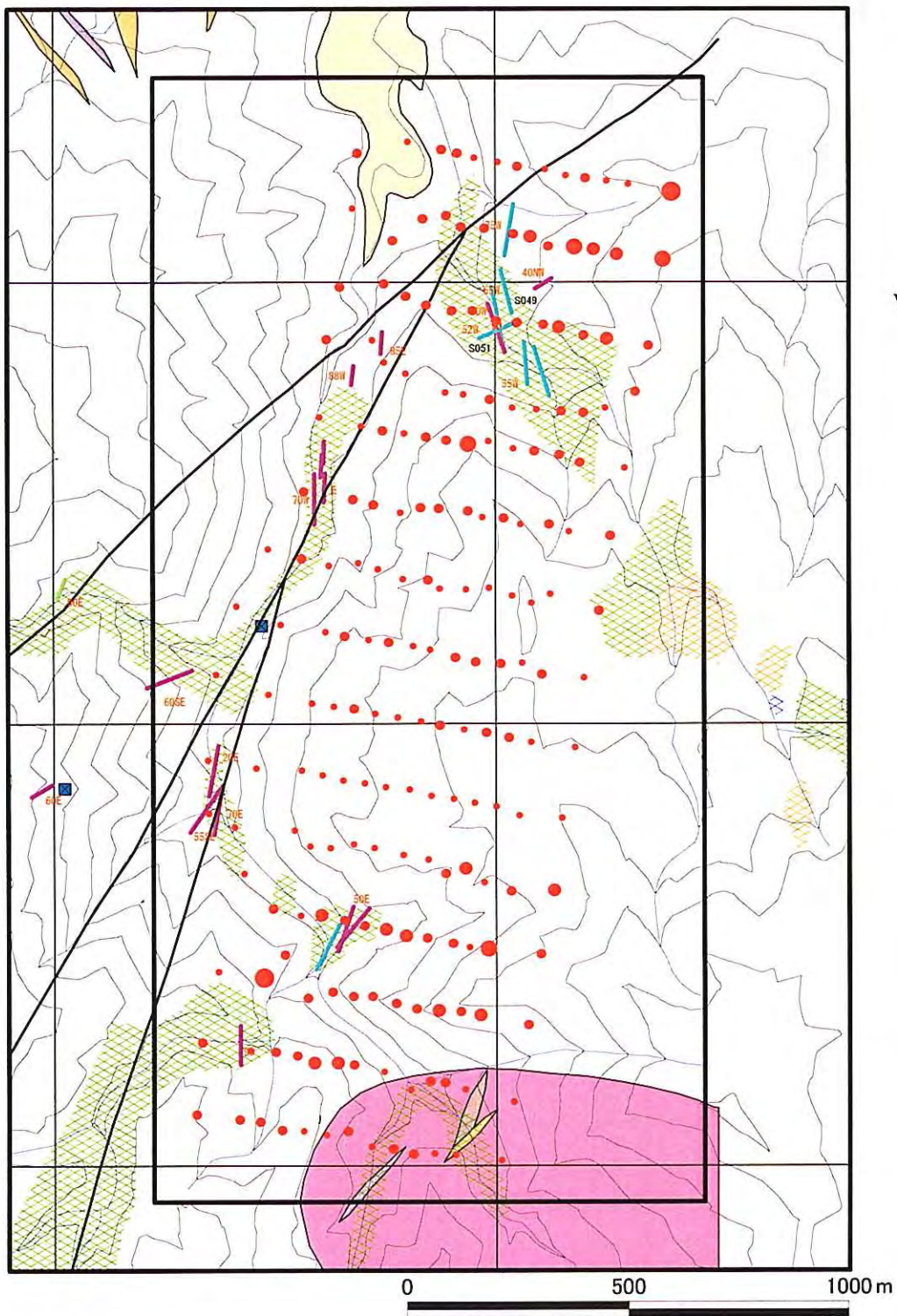
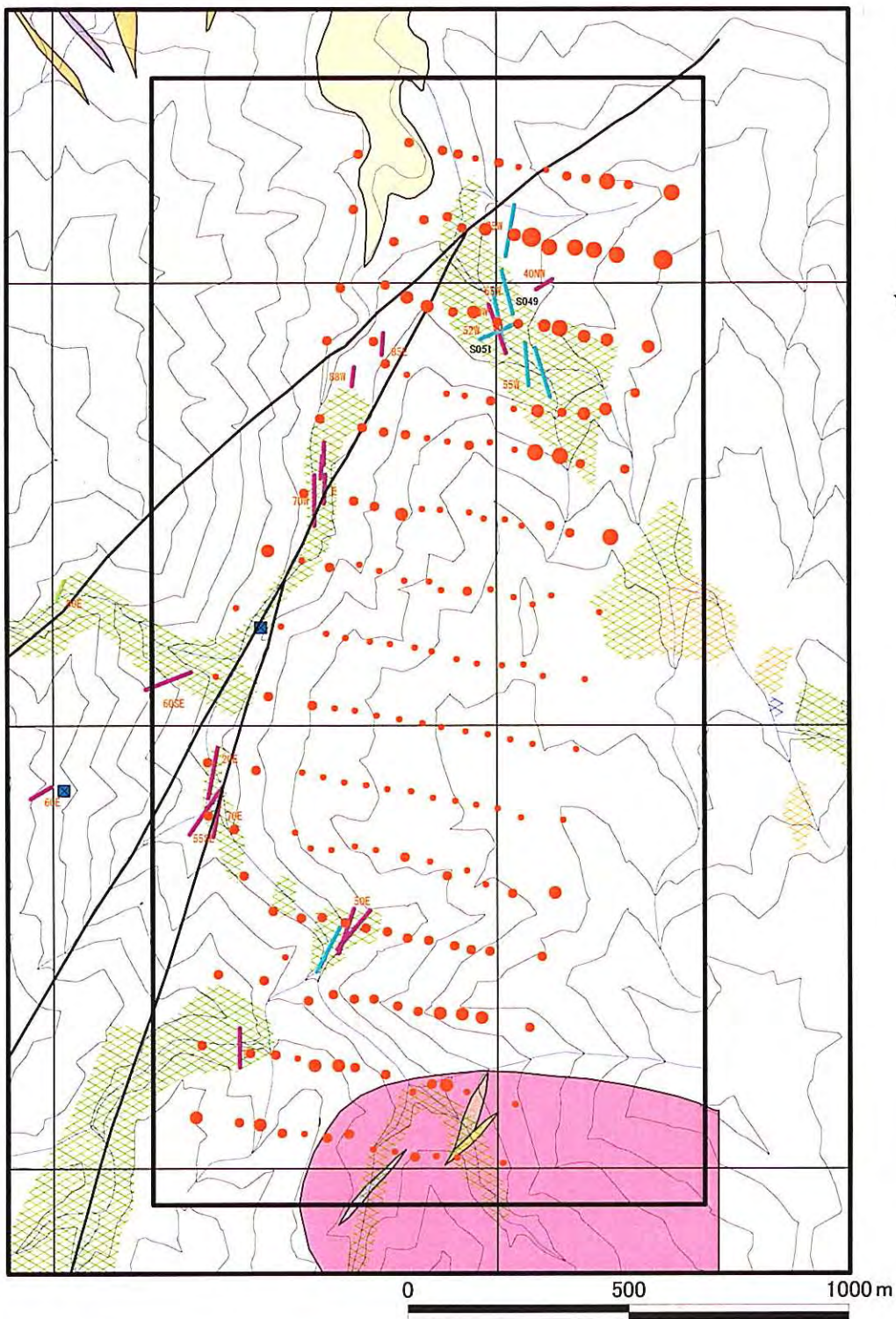


Fig. 5-8 Location Map of Soil Samples: Ponorogo South District



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| <p>Au in soil samples (ppm)</p> <ul style="list-style-type: none"> ● 0.058 - 0.71 ● 0.024 - 0.058 ● 0.01 - 0.024 ● 0.003 - 0.01 ● 0.001 - 0.003 <p>□ Soil sample area</p> <p>▬ Fault (followup geomap)</p> <p>▬ Vein and silicified zone (final)</p> <ul style="list-style-type: none"> ▬ Pb-Zn quartz vein ▬ Cu quartz vein ▬ quartz vein ▬ silicified vein ▬ opaline silica vein | <p>Traces of mineralization</p> <ul style="list-style-type: none"> ▣ Pb-Zn ore (float) ▣ Quartz vein, silicified rock with pyrite (float) ★ Silicified rock (outcrop) <p>Alteration_followup</p> <ul style="list-style-type: none"> ▨ silicified ▨ argillic ▨ propylitic <p>Prambon_geomap</p> <p>Quaternary (Holocene)</p> <ul style="list-style-type: none"> □ Alluvium (Qa) □ Tomw (Mandalika F.: andesite lava and volcaniclastics) <p>Intrusive rocks</p> <ul style="list-style-type: none"> ▣ Tomi(an) (andesite) ▣ Tomi(da) (dacite) ▣ Tomi(ba) (basalt) ▣ Tomi(di) (diorite) |
|---|---|

Fig. 5-9(1) Geochemical Anomaly of Soil Samples in the Ponorogo South District (Au)



- Ag in soil samples (ppm)
- 1.01 - 2.65
 - 0.46 - 1.01
 - 0.21 - 0.46
 - 0.09 - 0.21
 - 0.01 - 0.09
 - Soil sample area
- Vein and silicified zone (final)
- ▾ Pb-Zn quartz vein
 - ▾ Cu quartz vein
 - ▾ quartz vein
 - ▾ silicified vein
 - ▾ opaline silica vein

- Traces of mineralization
- ▣ Pb-Zn ore (float)
 - ▣ Quartz vein, silicified rock with pyrite (float)
 - ★ Silicified rock (outcrop)
- Alteration_followup
- ▨ silicified
 - ▨ argillic
 - ▨ propylitic
- Prambon geomap
- Quaternary (Holocene)
- Alluvium (Qa)
 - Tomw (Mandalika F.: andesite lava and volcaniclastics)
- Intrusive rocks
- ▨ Tomi(an) (andesite)
 - ▨ Tomi(da) (dacite)
 - ▨ Tomi(ba) (basalt)
 - ▨ Tomi(di) (diorite)

Fig.5-9(2) Geochemical Anomaly of Soil Samples in the Ponorogo South District (Ag)

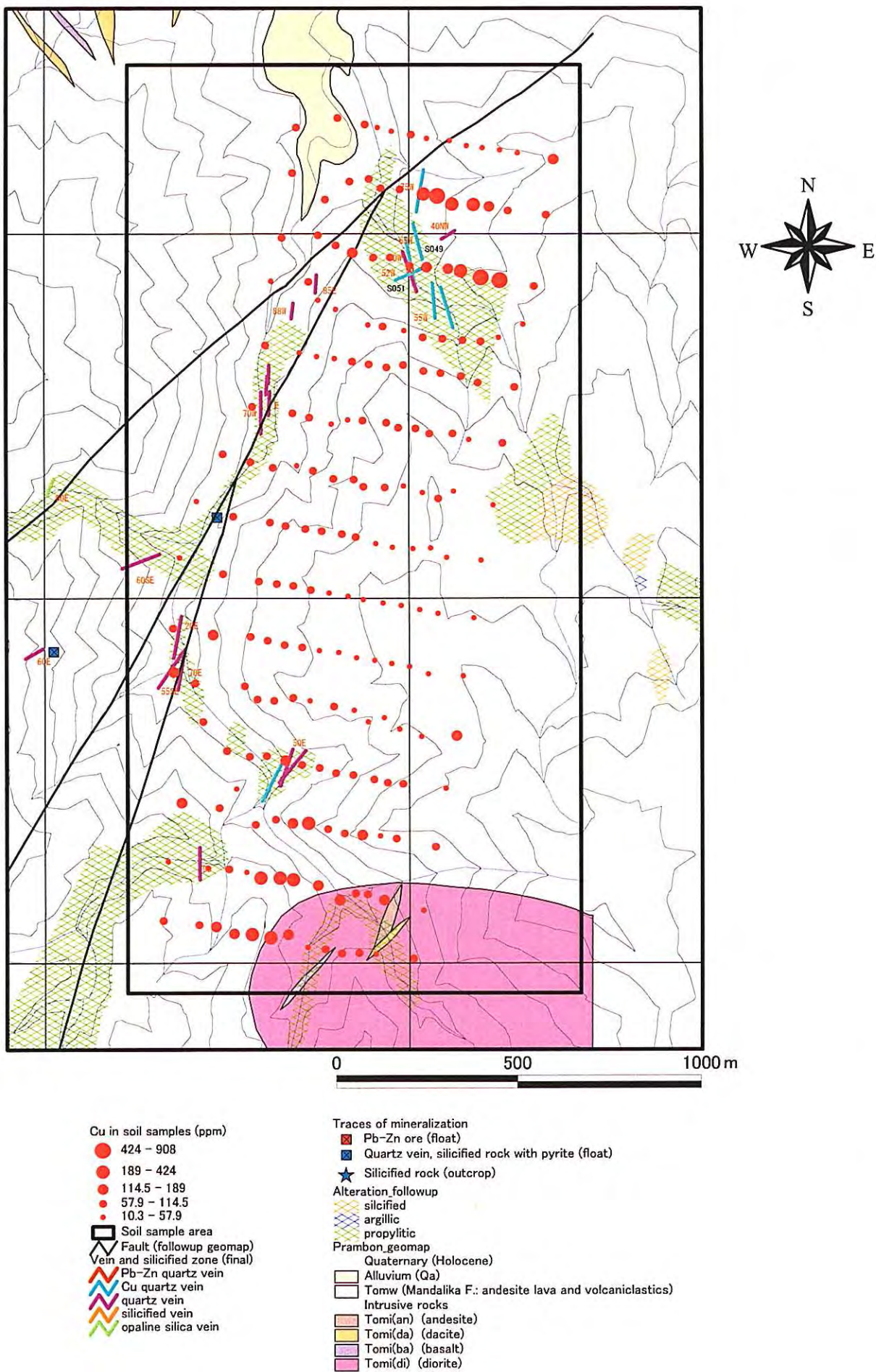


Fig.5-9(3) Geochemical Anomaly of Soil Samples in the Ponorogo, South District (Cu)

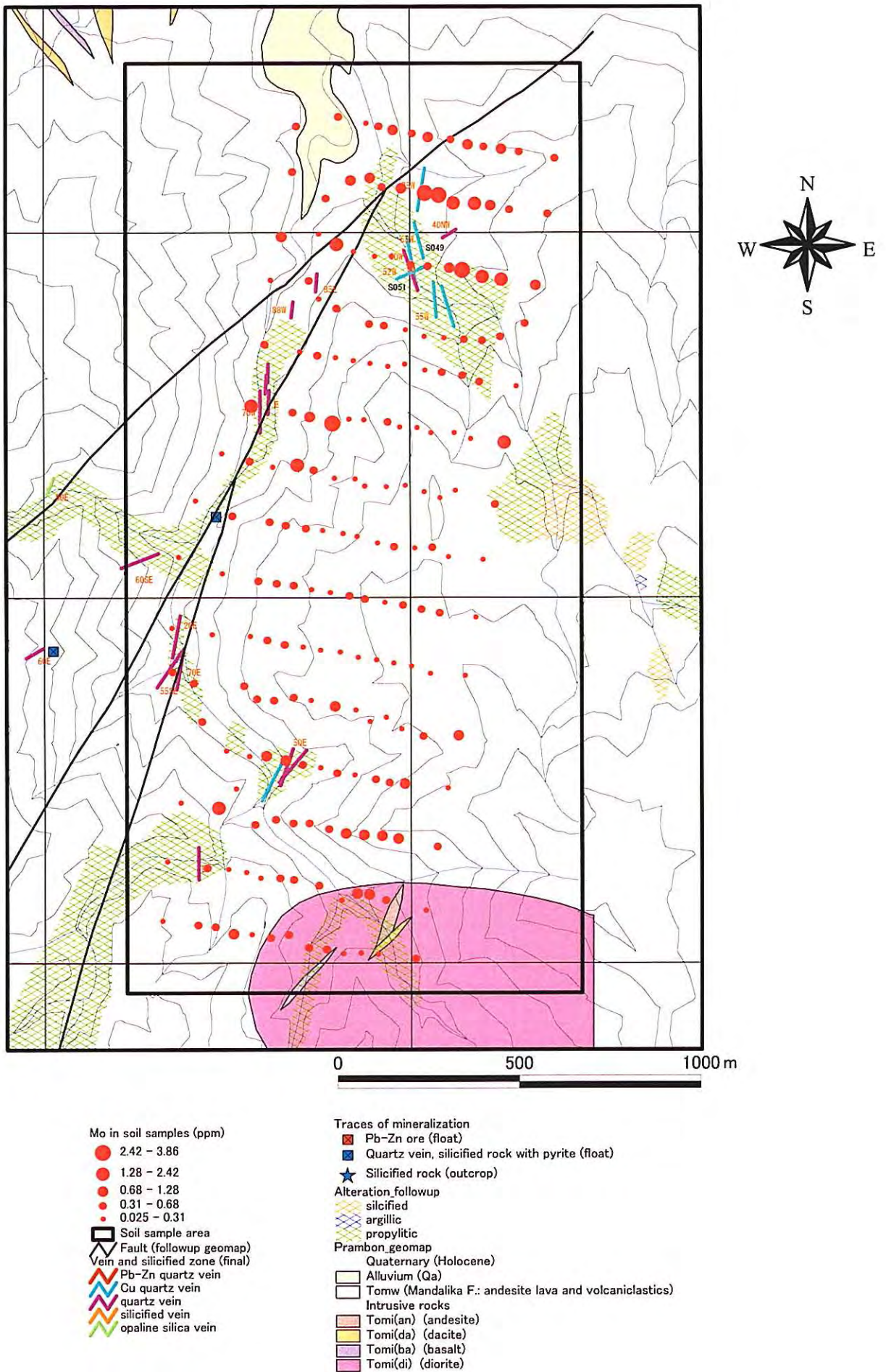


Fig. 5-9(4) Geochemical Anomaly of Soil Samples in the Ponorogo. South District (Mo)

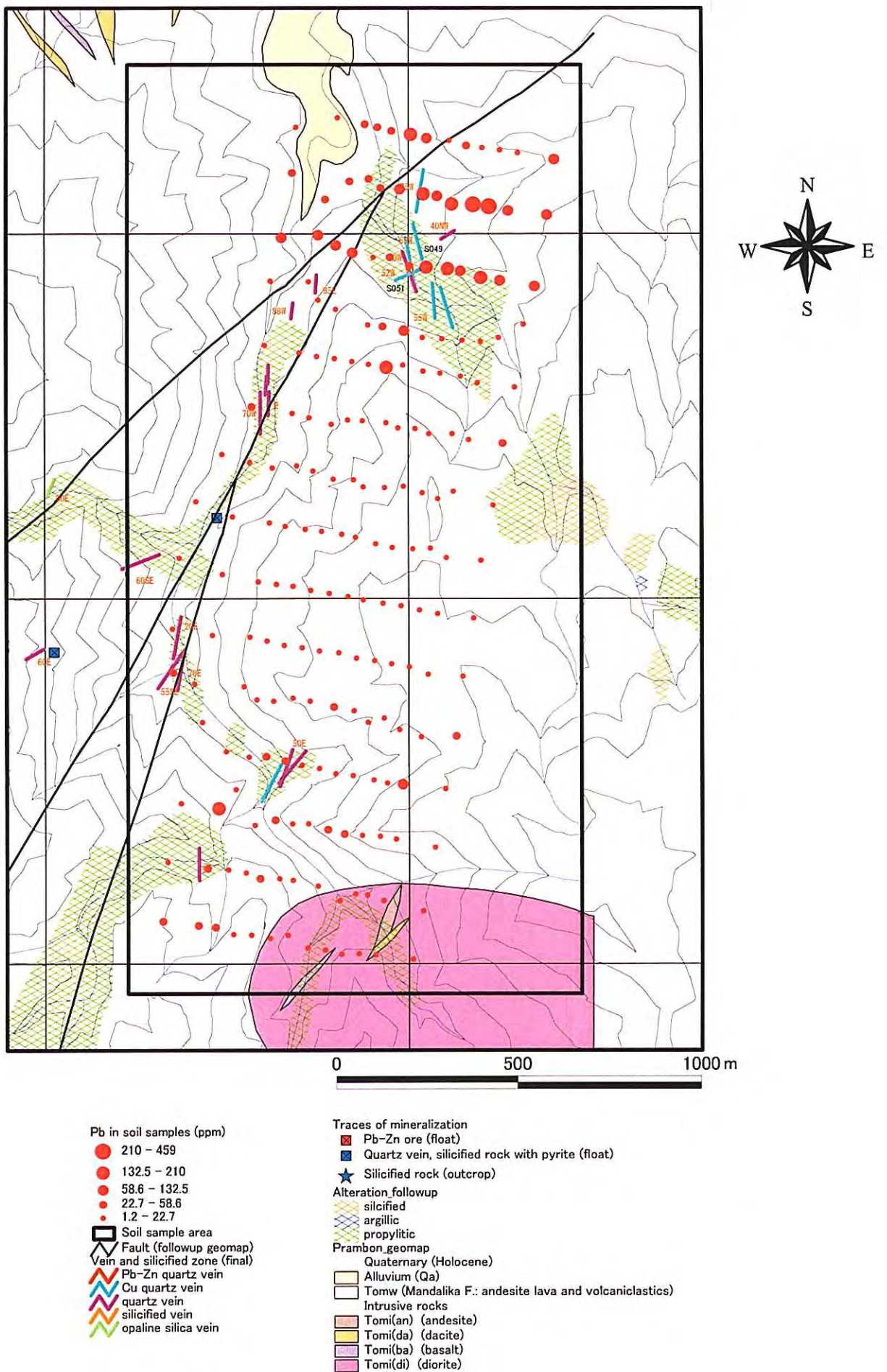
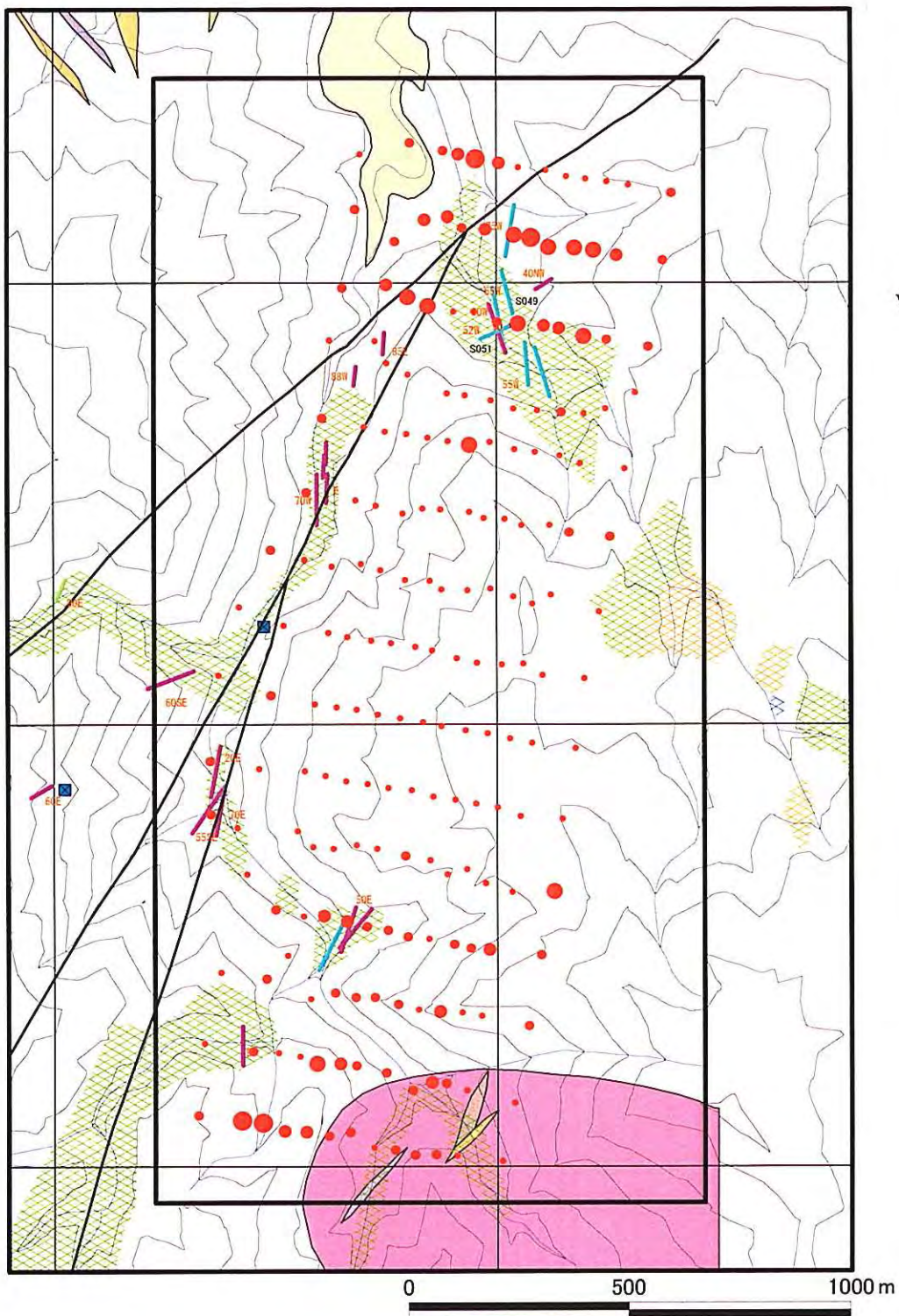
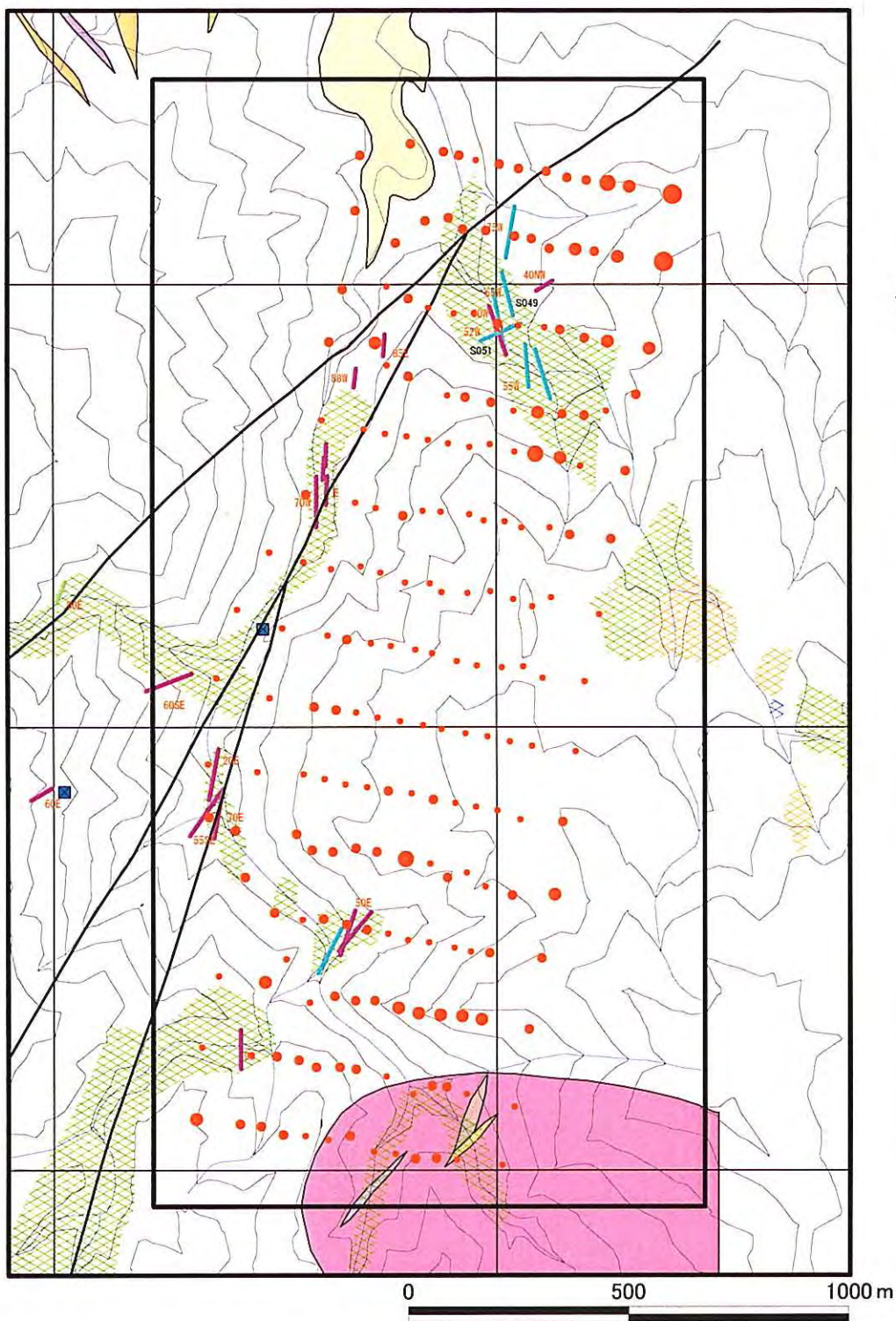


Fig. 5-10(1) Geochemical Anomaly of Soil Samples in the Ponorogo South District (Pb)



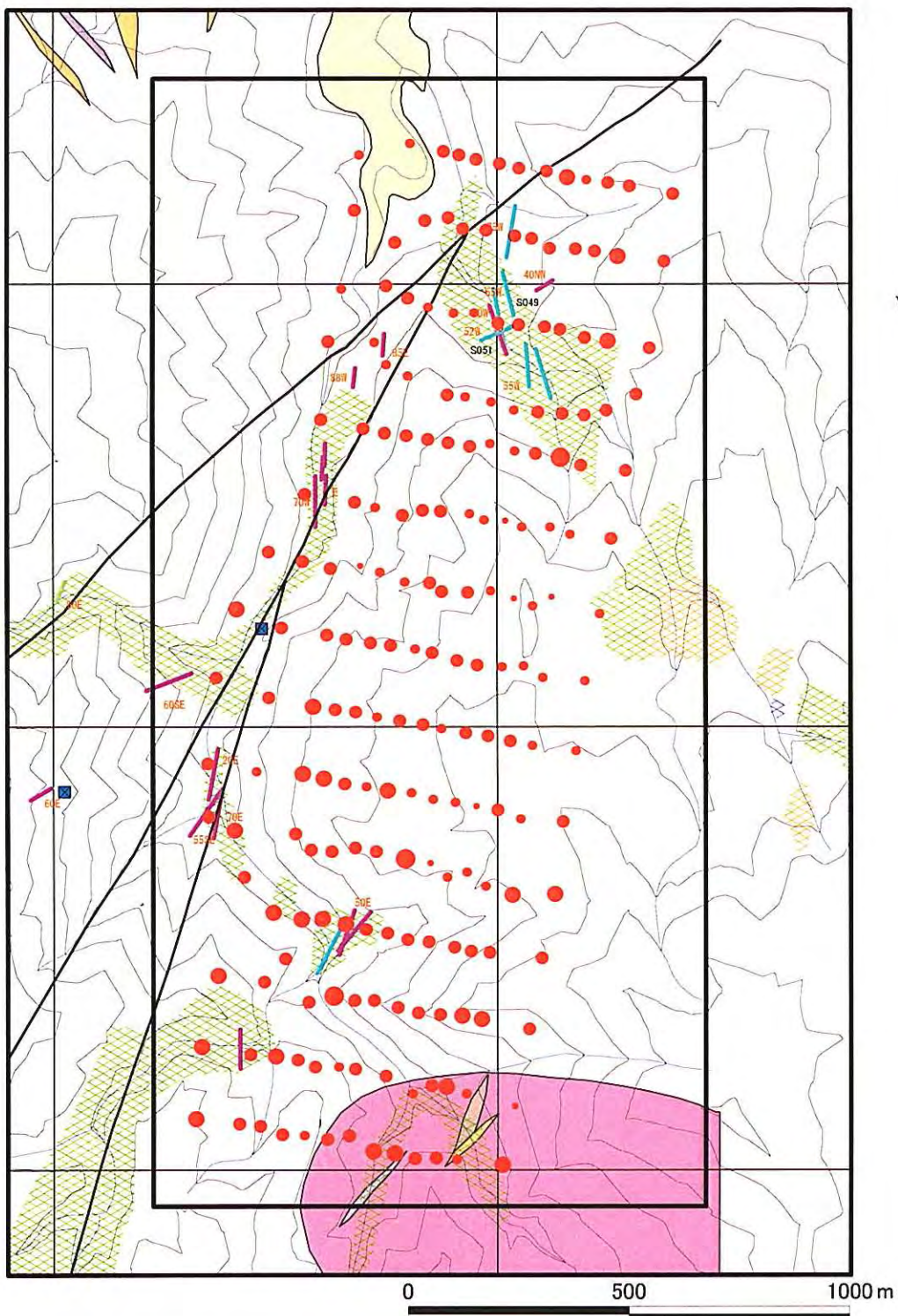
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| <p>Zn in soil samples (ppm)</p> <ul style="list-style-type: none"> ● 694 - 1210 ● 356 - 694 ● 231 - 356 ● 138 - 231 ● 47 - 138 □ Soil sample area ▬ Fault (followup geomap) ▬ Vein and silicified zone (final) ▬ Pb-Zn quartz vein ▬ Cu quartz vein ▬ quartz vein ▬ silicified vein ▬ opaline silica vein | <p>Traces of mineralization</p> <ul style="list-style-type: none"> ▬ Pb-Zn ore (float) ▬ Quartz vein, silicified rock with pyrite (float) ★ Silicified rock (outcrop) <p>Alteration followup</p> <ul style="list-style-type: none"> ▬ silicified ▬ argillic ▬ propylitic <p>Prambon geomap</p> <p>Quaternary (Holocene)</p> <ul style="list-style-type: none"> ▬ Alluvium (Qa) ▬ Tomw (Mandalika F.: andesite lava and volcaniclastics) <p>Intrusive rocks</p> <ul style="list-style-type: none"> ▬ Tomi(an) (andesite) ▬ Tomi(da) (dacite) ▬ Tomi(ba) (basalt) ▬ Tomi(di) (diorite) |
|---|---|

Fig.5-10(2) Geochemical Anomaly of Soil Samples in the Ponorogo, South District (Zn)



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| <p>As in soil samples (ppm)</p> <ul style="list-style-type: none"> ● 17.4 – 41.9 ● 9.1 – 17.4 ● 4.5 – 9.1 ● 1.4 – 4.5 ● 0.1 – 1.4 <p>□ Soil sample area</p> <p>▬ Fault (followup geomap)</p> <p>▬ Vein and silicified zone (final)</p> <ul style="list-style-type: none"> ▬ Pb-Zn quartz vein ▬ Cu quartz vein ▬ quartz vein ▬ silicified vein ▬ opaline silica vein | <p>Traces of mineralization</p> <ul style="list-style-type: none"> ▬ Pb-Zn ore (float) ▬ Quartz vein, silicified rock with pyrite (float) ★ Silicified rock (outcrop) <p>Alteration followup</p> <ul style="list-style-type: none"> ▬ silicified ▬ argillic ▬ propylitic <p>Prambon geomap</p> <p>Quaternary (Holocene)</p> <ul style="list-style-type: none"> ▬ Alluvium (Qa) ▬ Tomw (Mandalika F.: andesite lava and volcanoclastics) <p>Intrusive rocks</p> <ul style="list-style-type: none"> ▬ Tomi(an) (andesite) ▬ Tomi(da) (dacite) ▬ Tomi(ba) (basalt) ▬ Tomi(di) (diorite) |
|---|---|

Fig.5-10(3) Geochemical Anomaly of Soil Samples in thePonorogo. South District(As)



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| <p>Hg in soil samples (ppm)</p> <ul style="list-style-type: none"> ● 0.07 - 0.14 ● 0.04 - 0.07 ● 0.02 - 0.04 ● 0.01 - 0.02 ● 0.005 - 0.01 <p>□ Soil sample area</p> <p>▬ Fault (followup geomap)</p> <p>▬ Vein and silicified zone (final)</p> <ul style="list-style-type: none"> ▬ Pb-Zn quartz vein ▬ Cu quartz vein ▬ quartz vein ▬ silicified vein ▬ opaline silica vein | <p>Traces of mineralization</p> <ul style="list-style-type: none"> ▣ Pb-Zn ore (float) ▣ Quartz vein, silicified rock with pyrite (float) ★ Silicified rock (outcrop) <p>Alteration_followup</p> <ul style="list-style-type: none"> ▨ silicified ▨ argillic ▨ propylitic <p>Prambon_geomap</p> <p>Quaternary (Holocene)</p> <ul style="list-style-type: none"> □ Alluvium (Qa) □ Tomw (Mandalika F.: andesite lava and volcanoclastics) <p>Intrusive rocks</p> <ul style="list-style-type: none"> ▨ Tomi(an) (andesite) ▨ Tomi(da) (dacite) ▨ Tomi(ba) (basalt) ▨ Tomi(di) (diorite) |
|---|---|

Fig.5-10(4) Geochemical Anomaly of Soil Samples in the Ponorogo, South District (Hg)