



**Orebody Modelling for Exploration:
The Western Mineralisation, Broken Hill**

Mohammad Lotfolah Hamedani

B.S. (Honours) in Accounting

B.S. (Honours) in Mining Engineering (Exploration)

M.S. in Mining Engineering (Exploration)

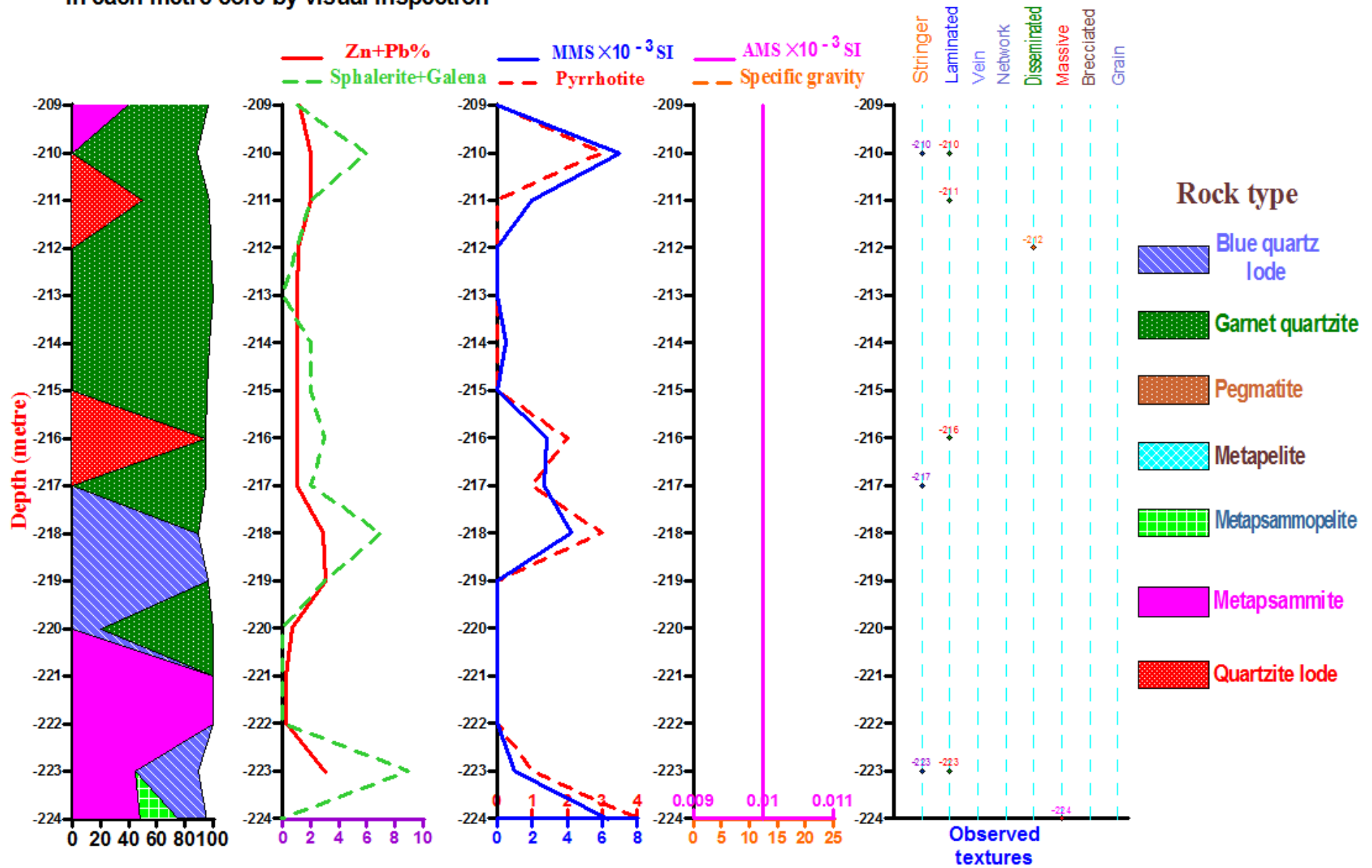
**Geology and Geophysics
School of Earth and Environmental Sciences
The University of Adelaide**

**Thesis submitted as fulfilment of the requirements for the degree of
Doctor of Philosophy in the Faculty of Science, University of Adelaide**

March 2011

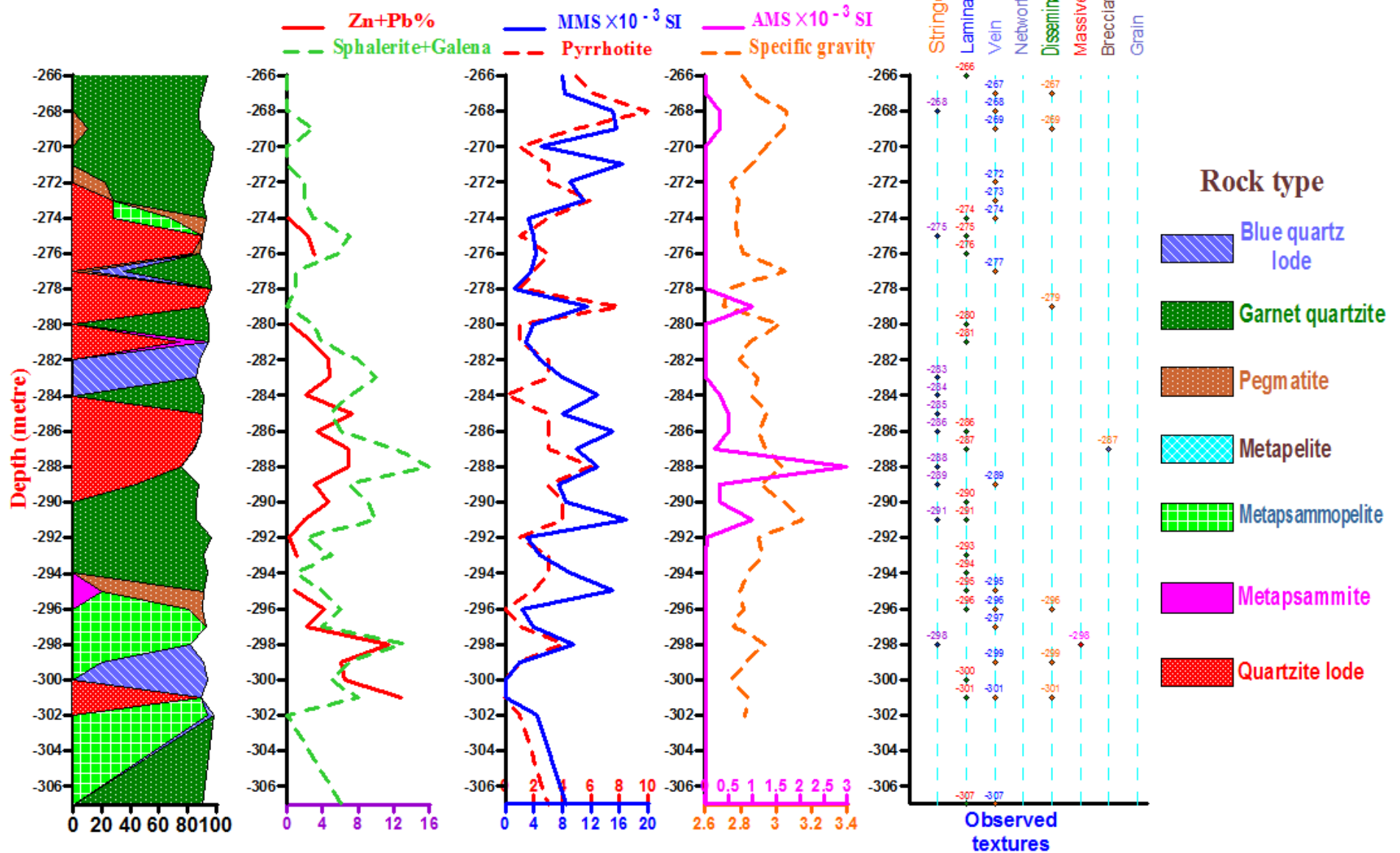
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole:3231



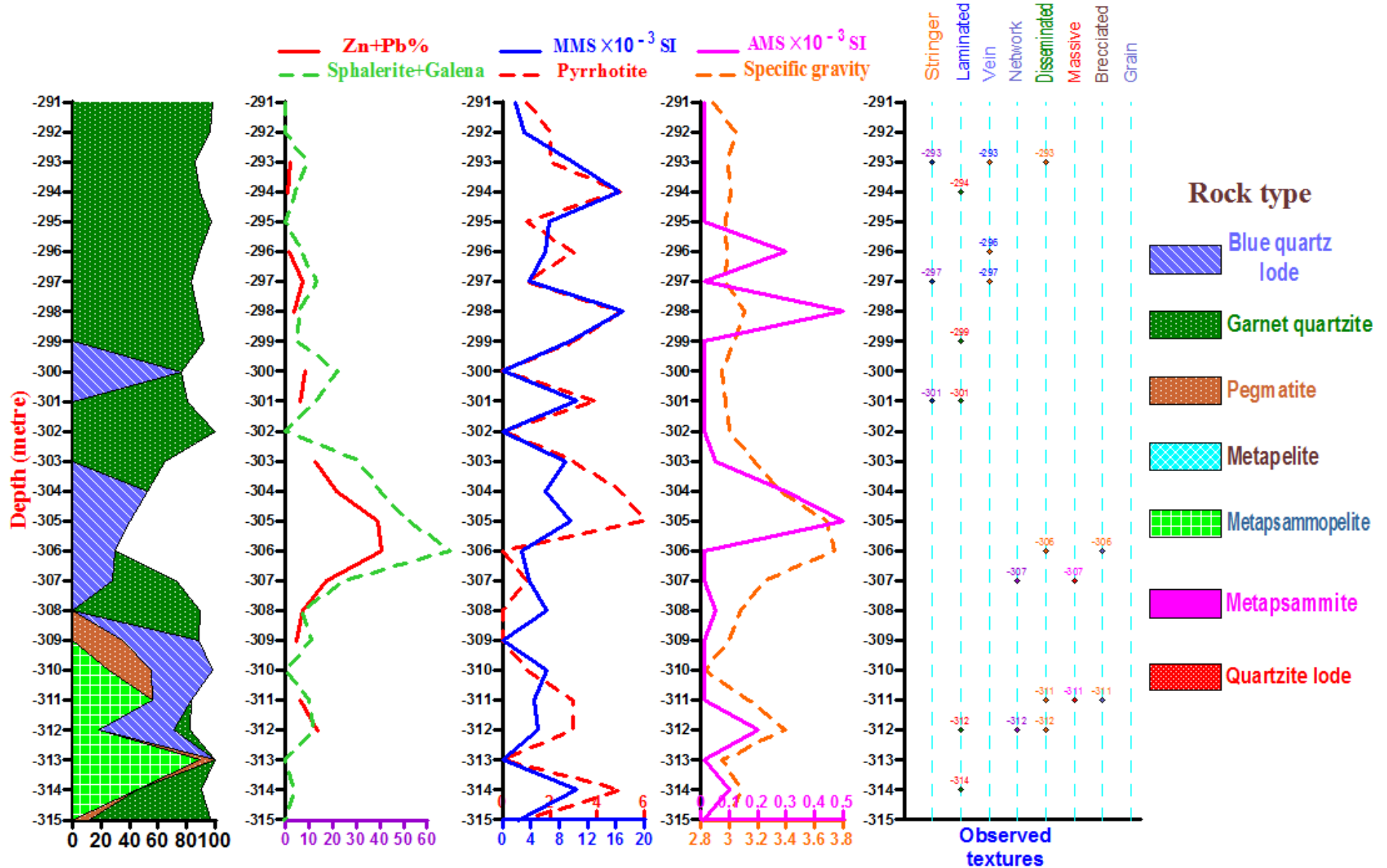
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4001



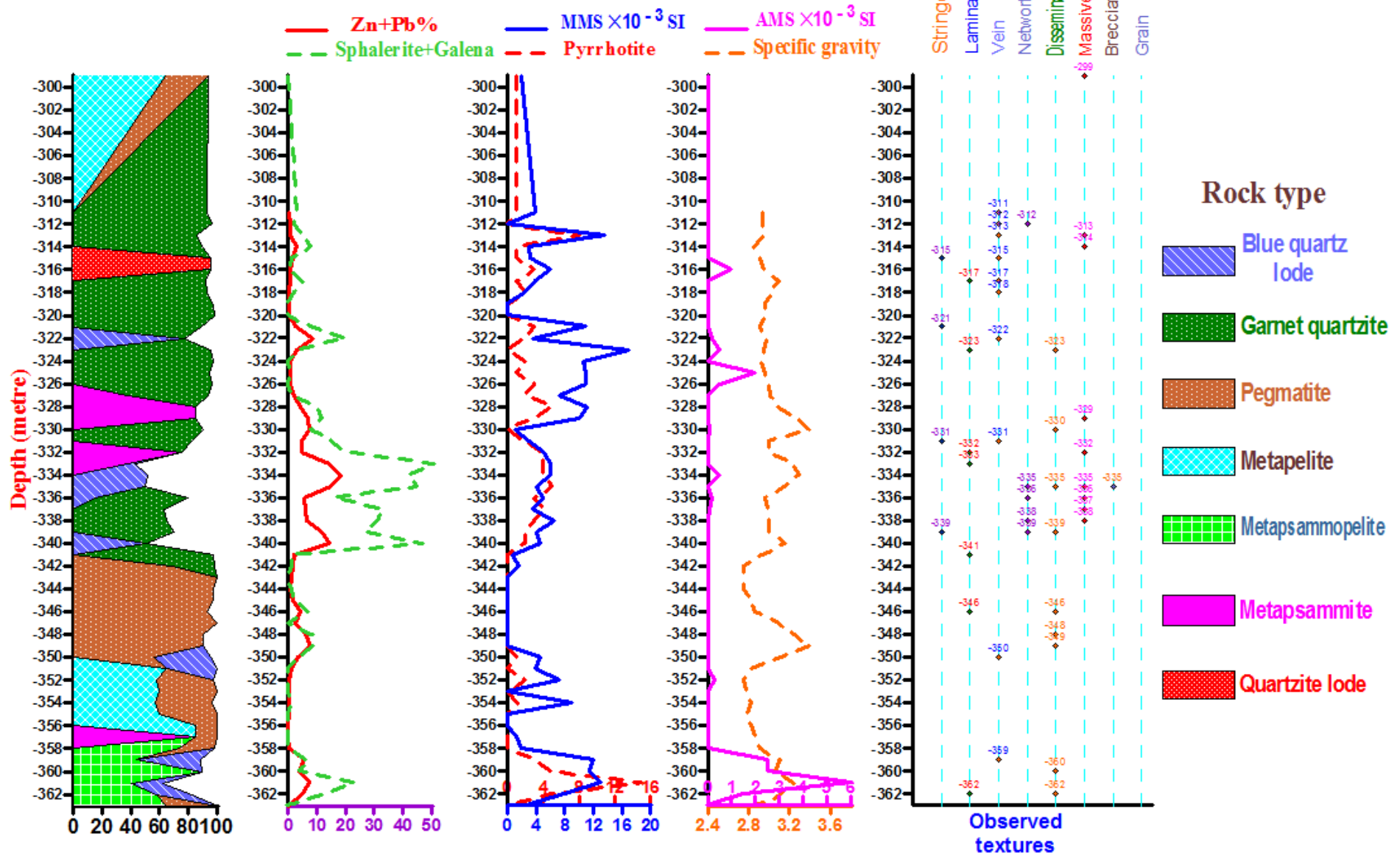
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4002



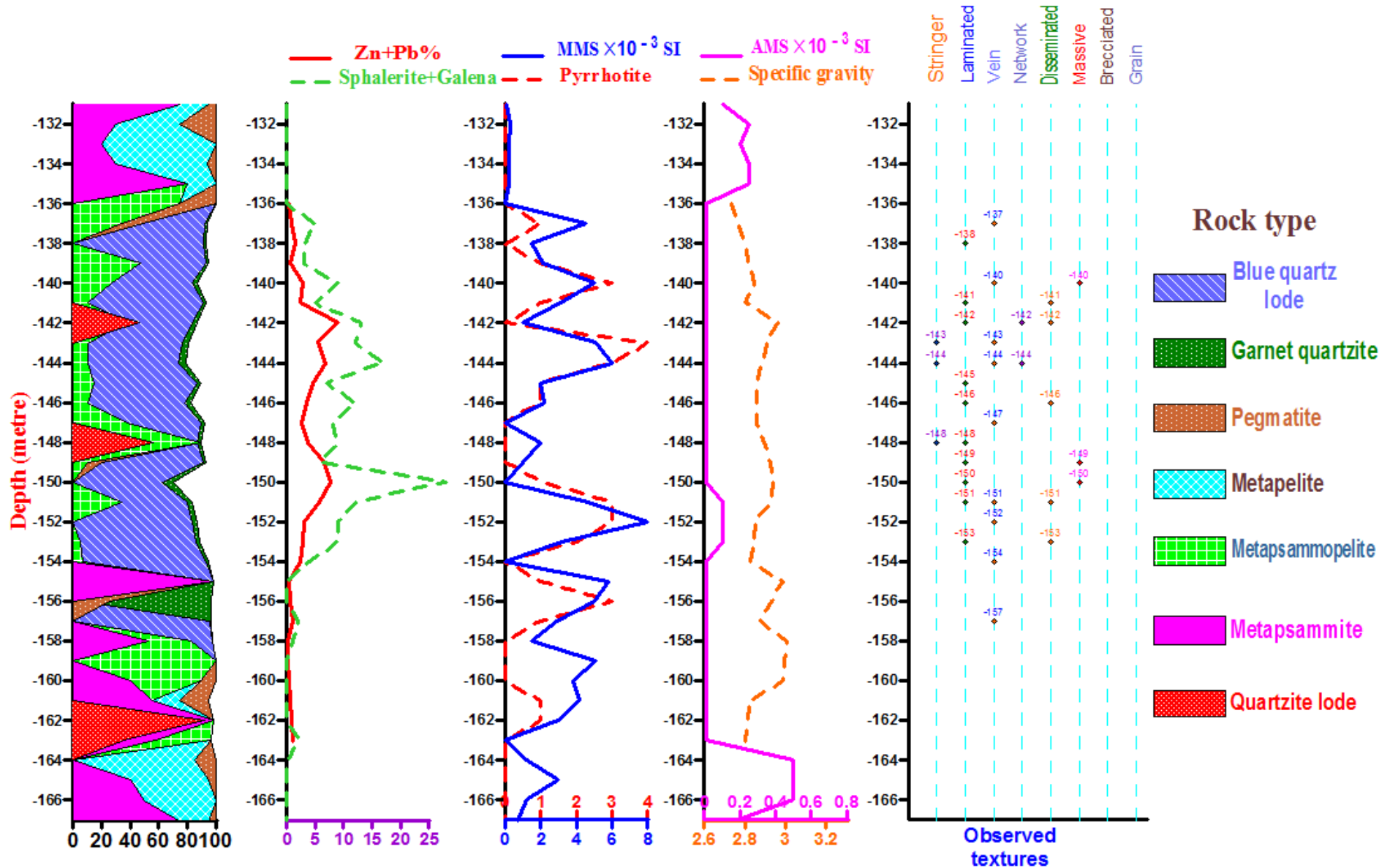
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4003



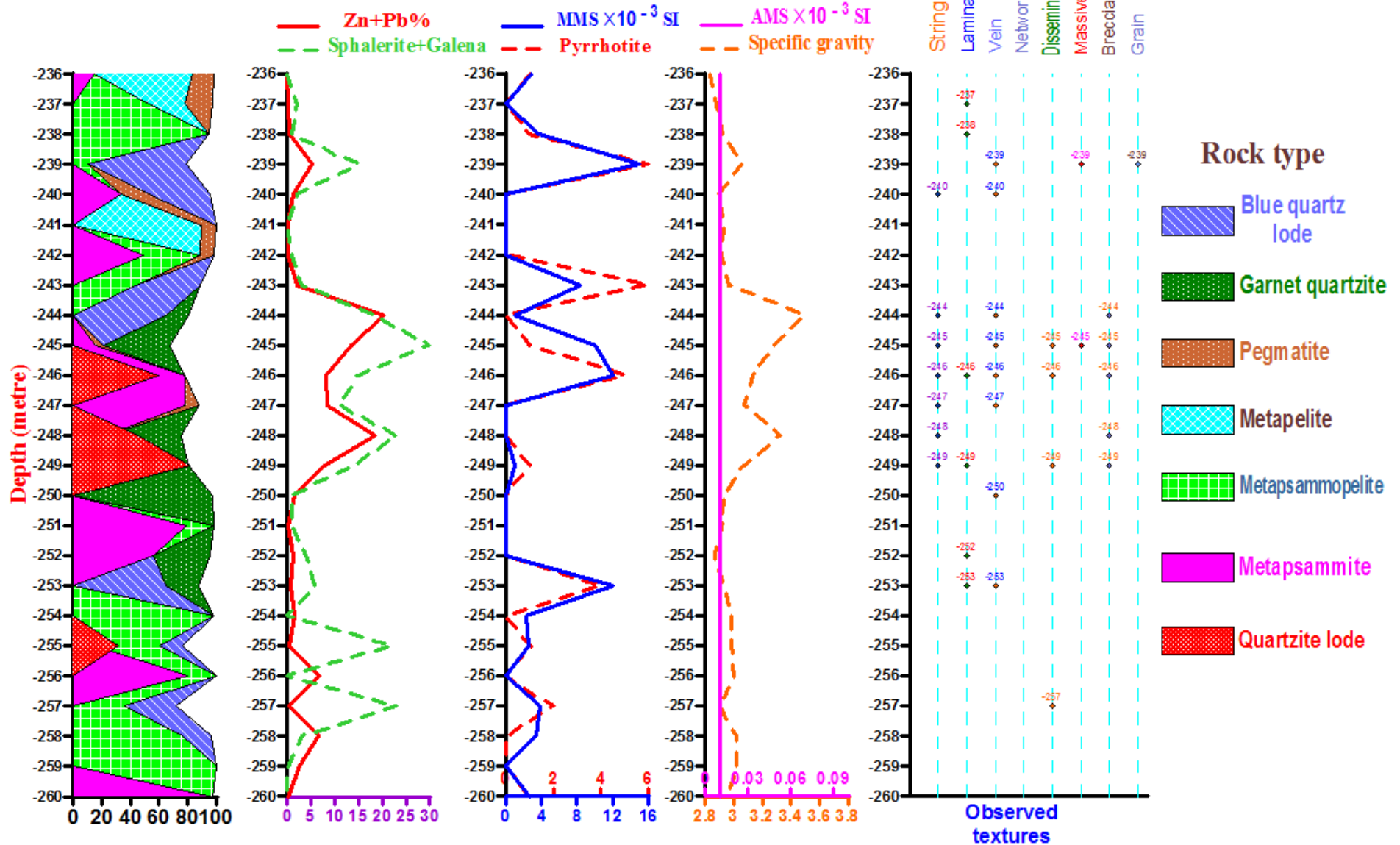
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4004



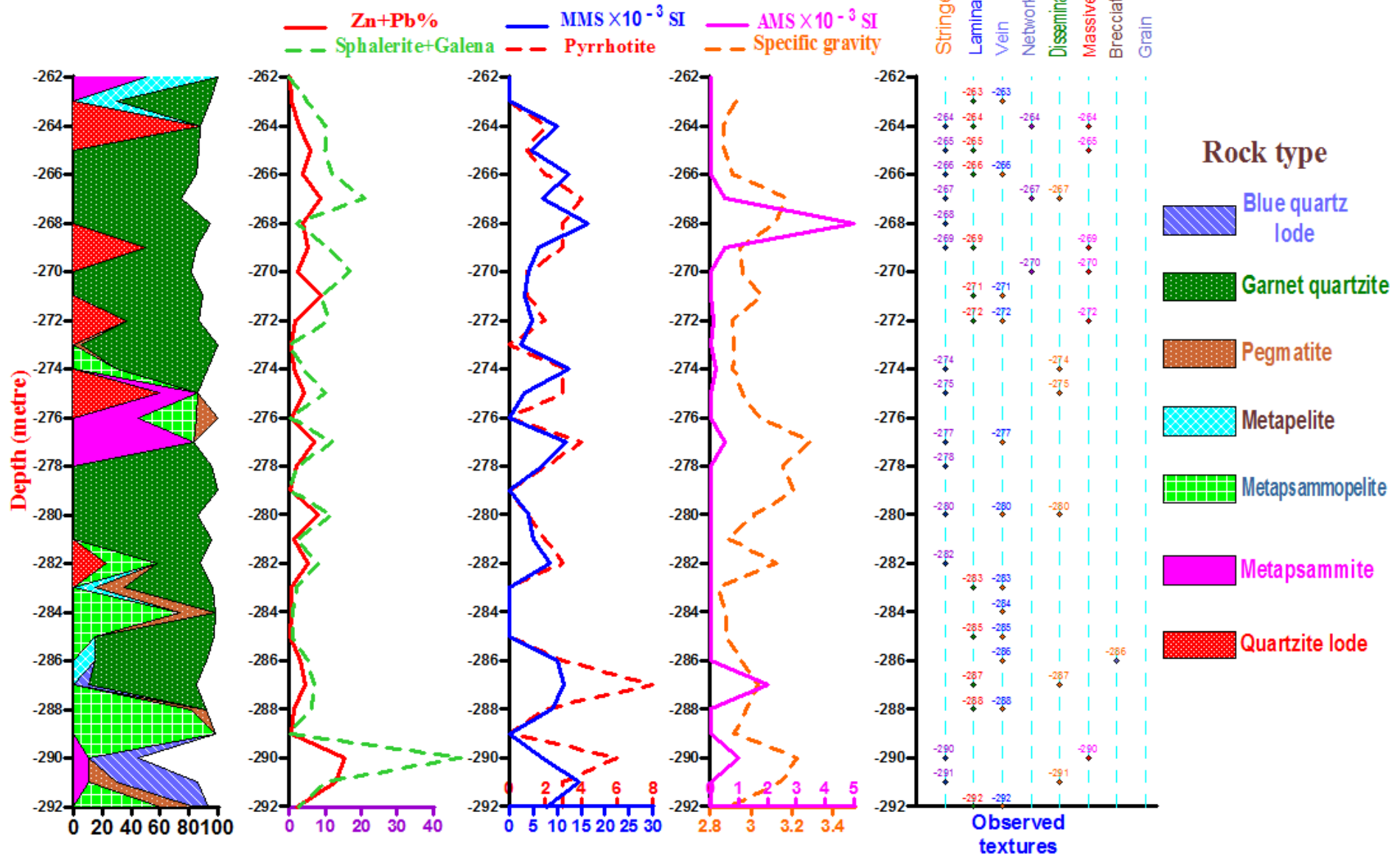
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4005



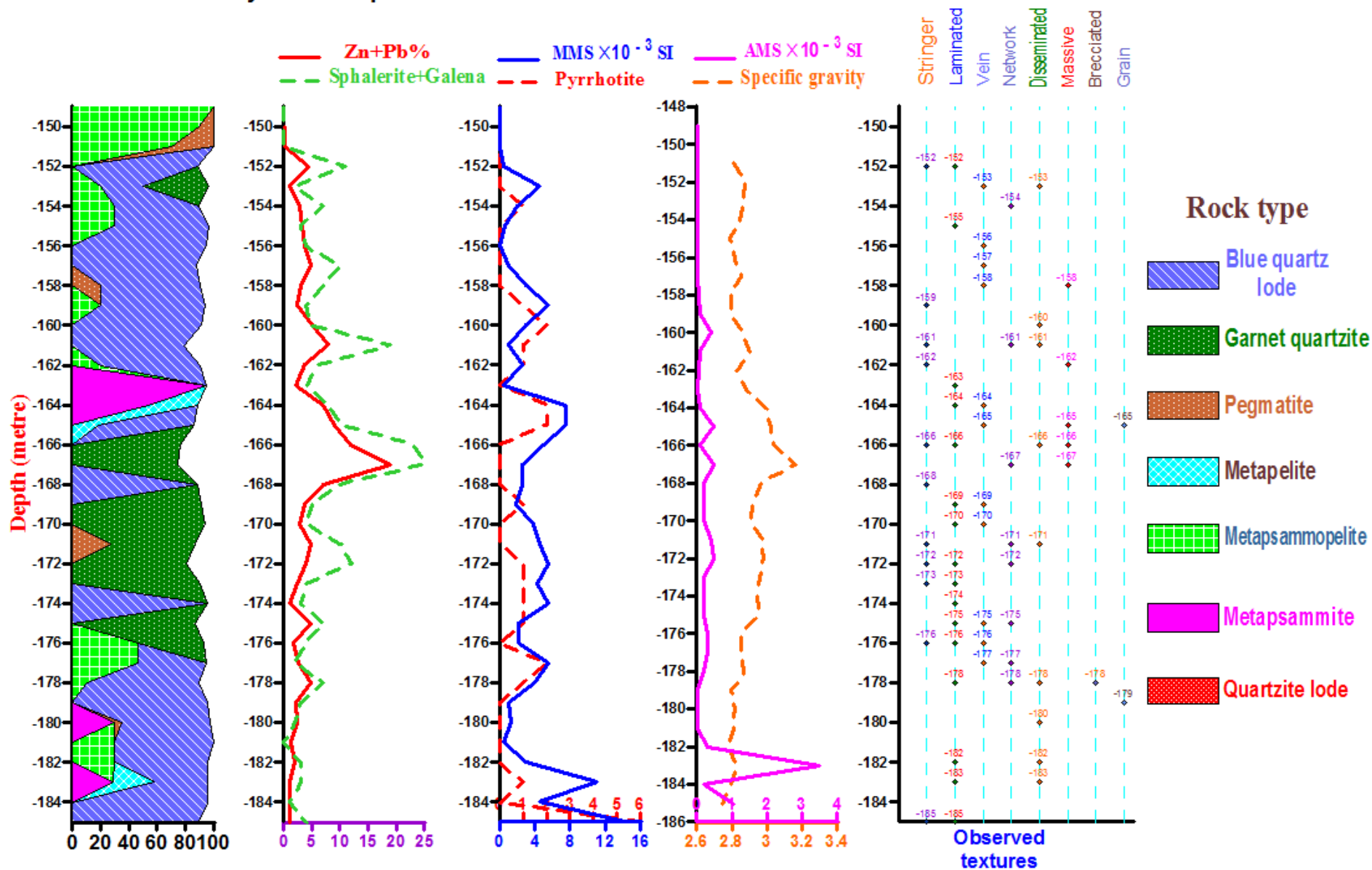
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4006



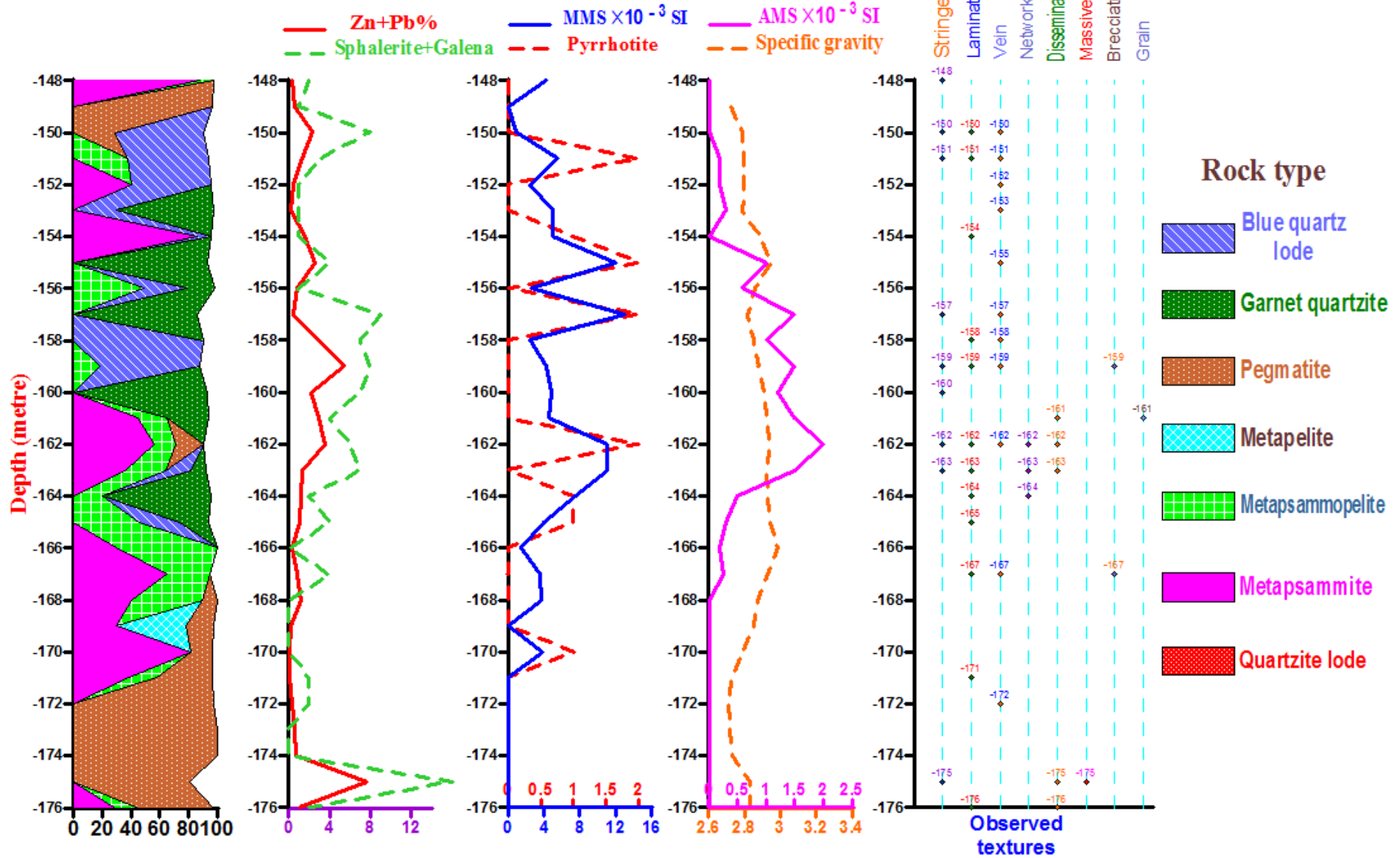
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4008



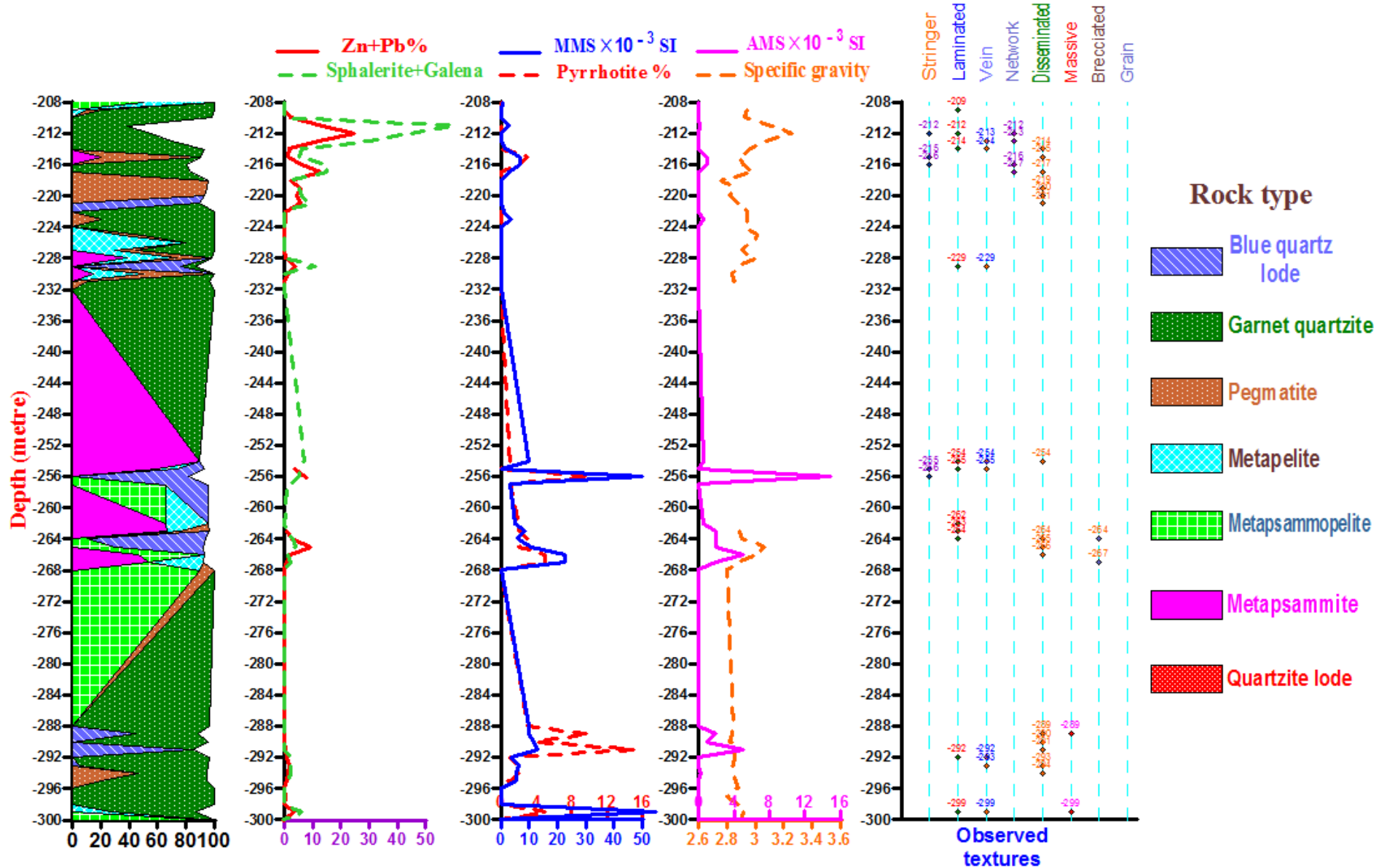
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4009



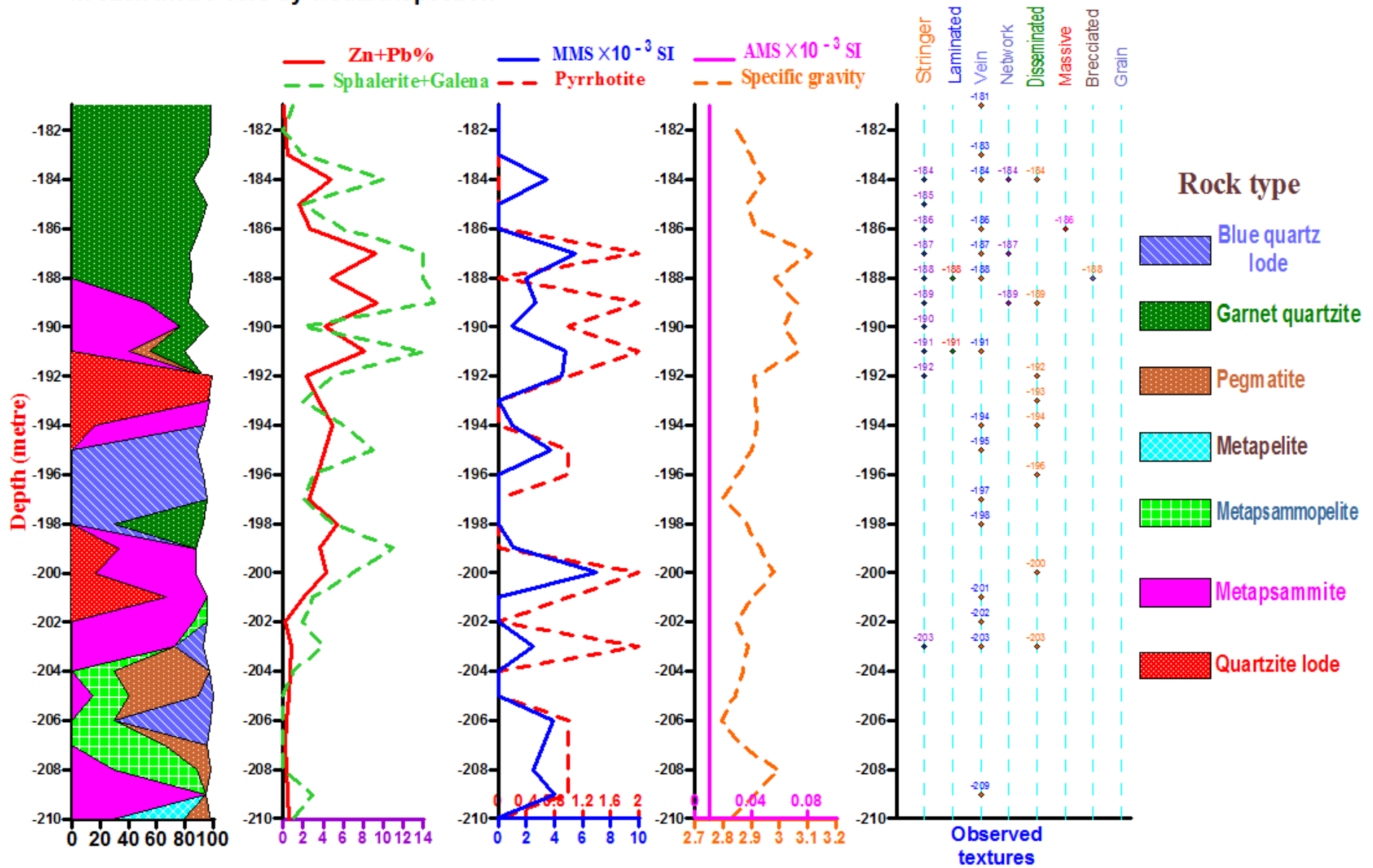
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4010



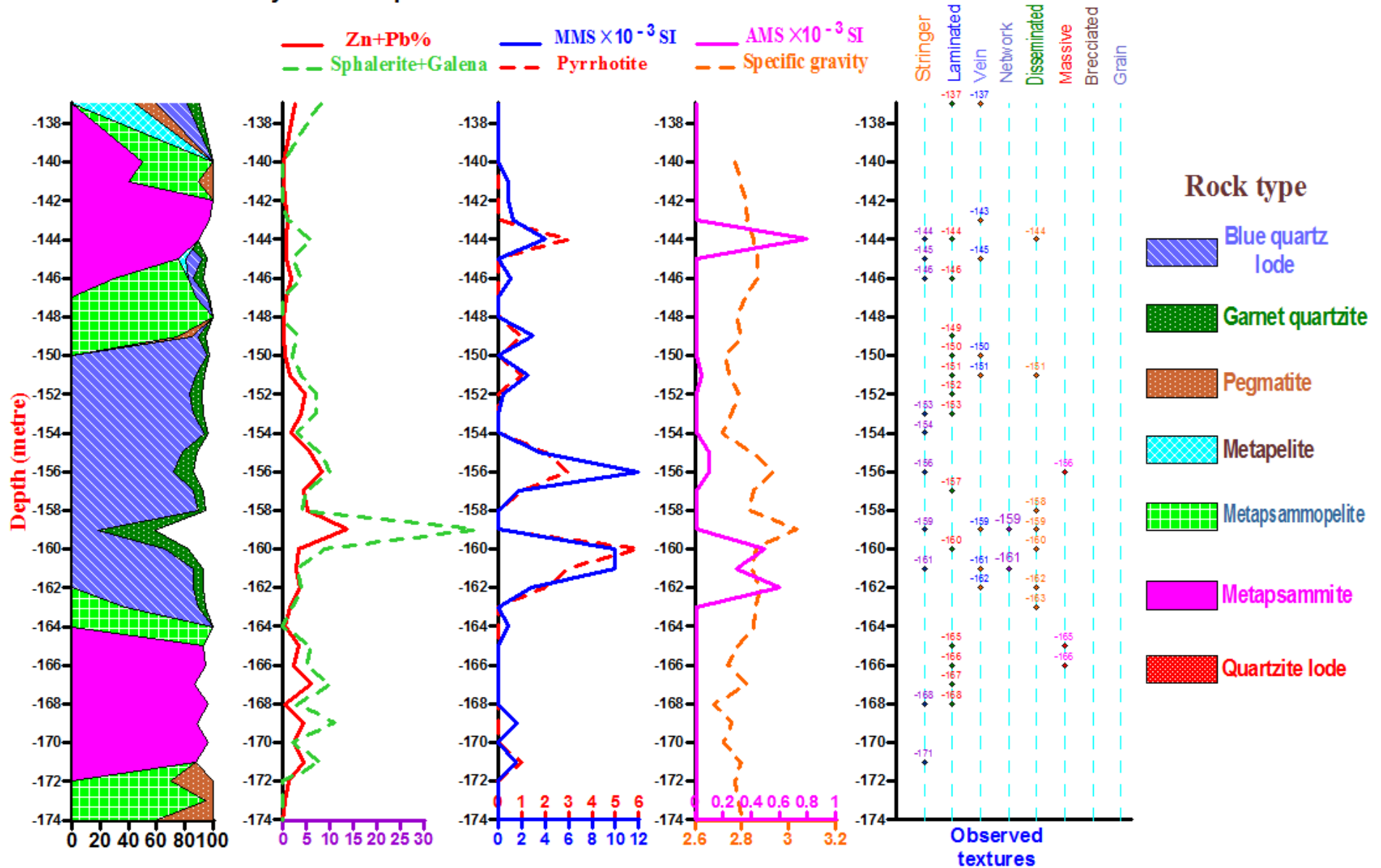
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4011



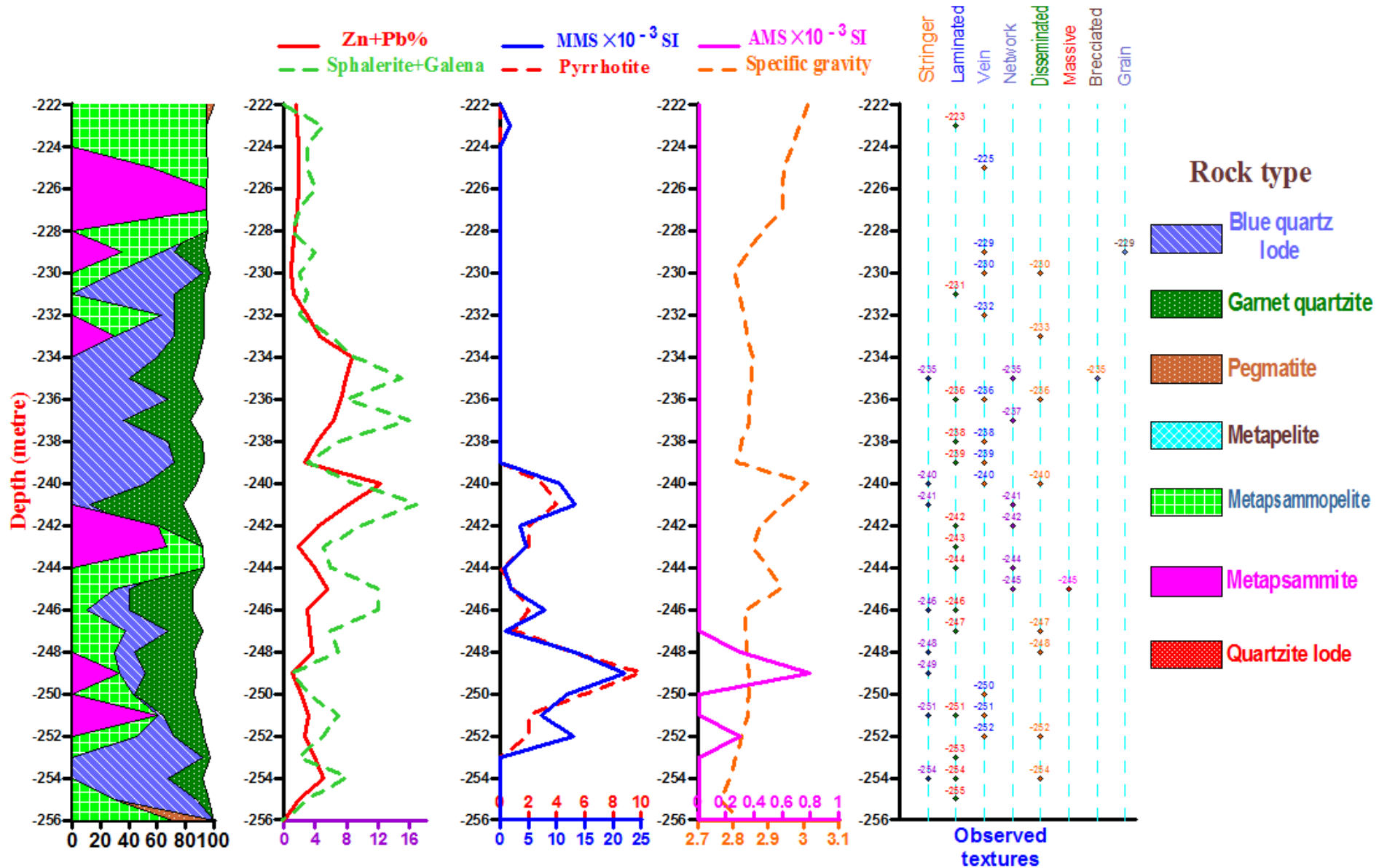
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4012



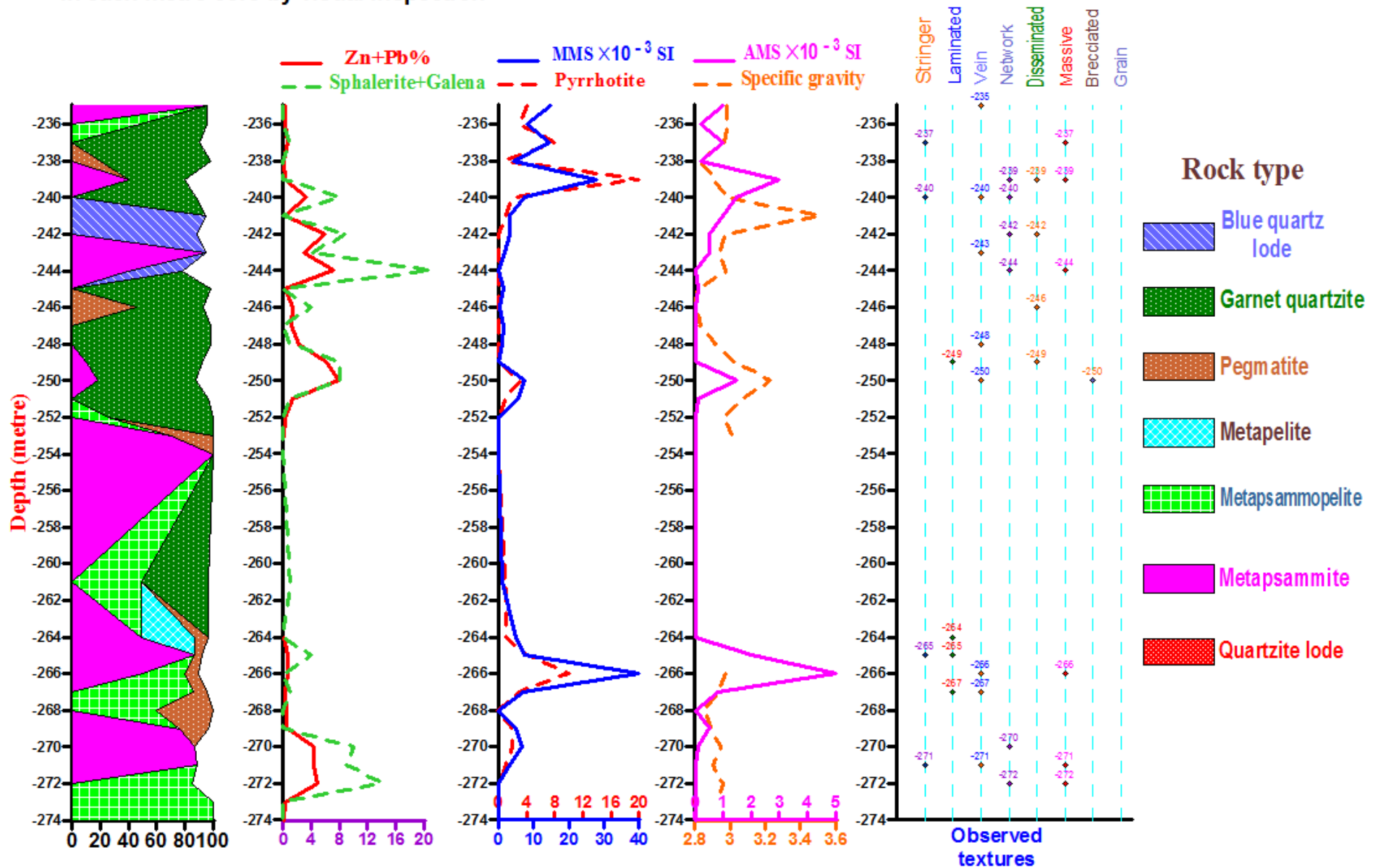
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4013



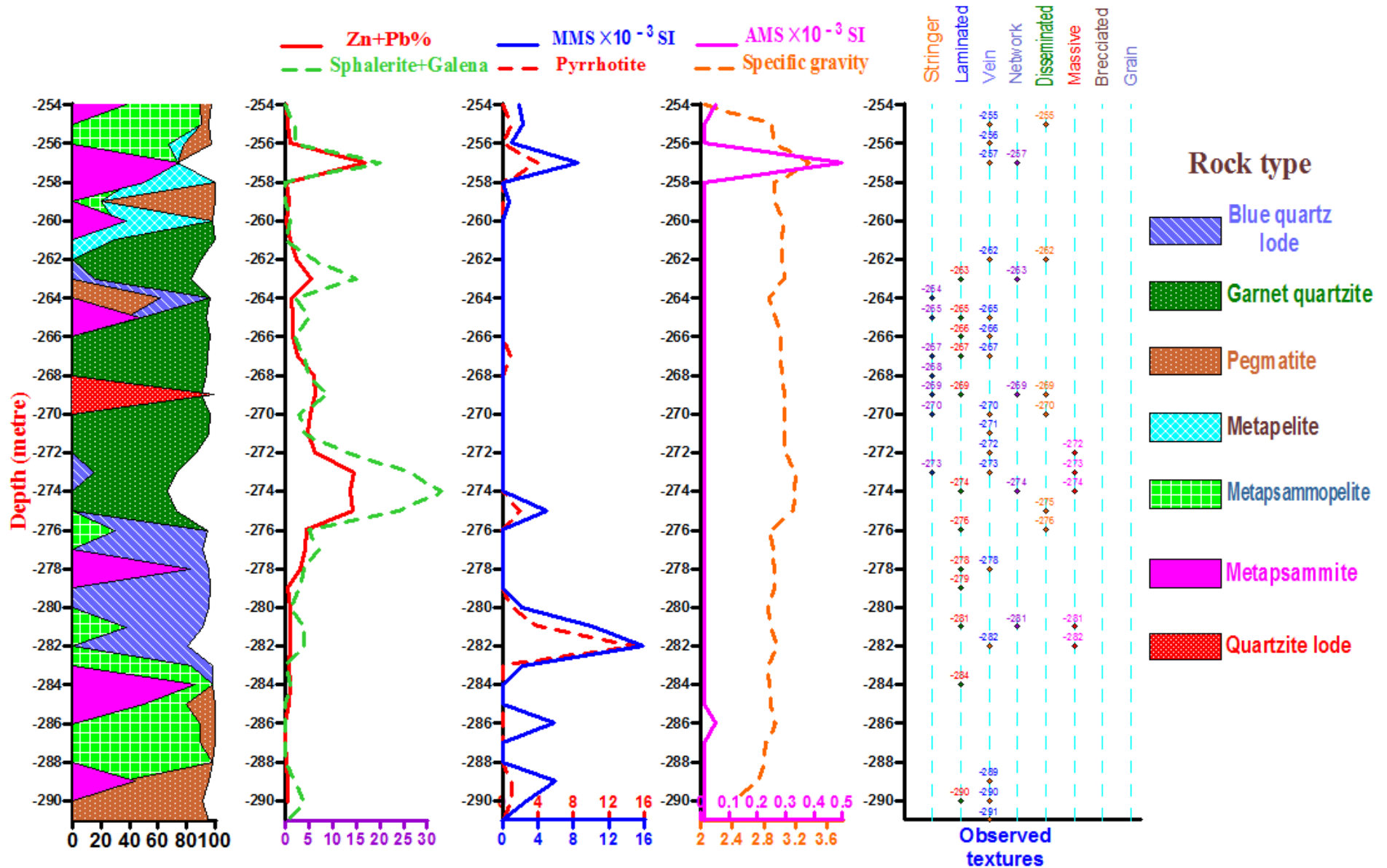
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4014



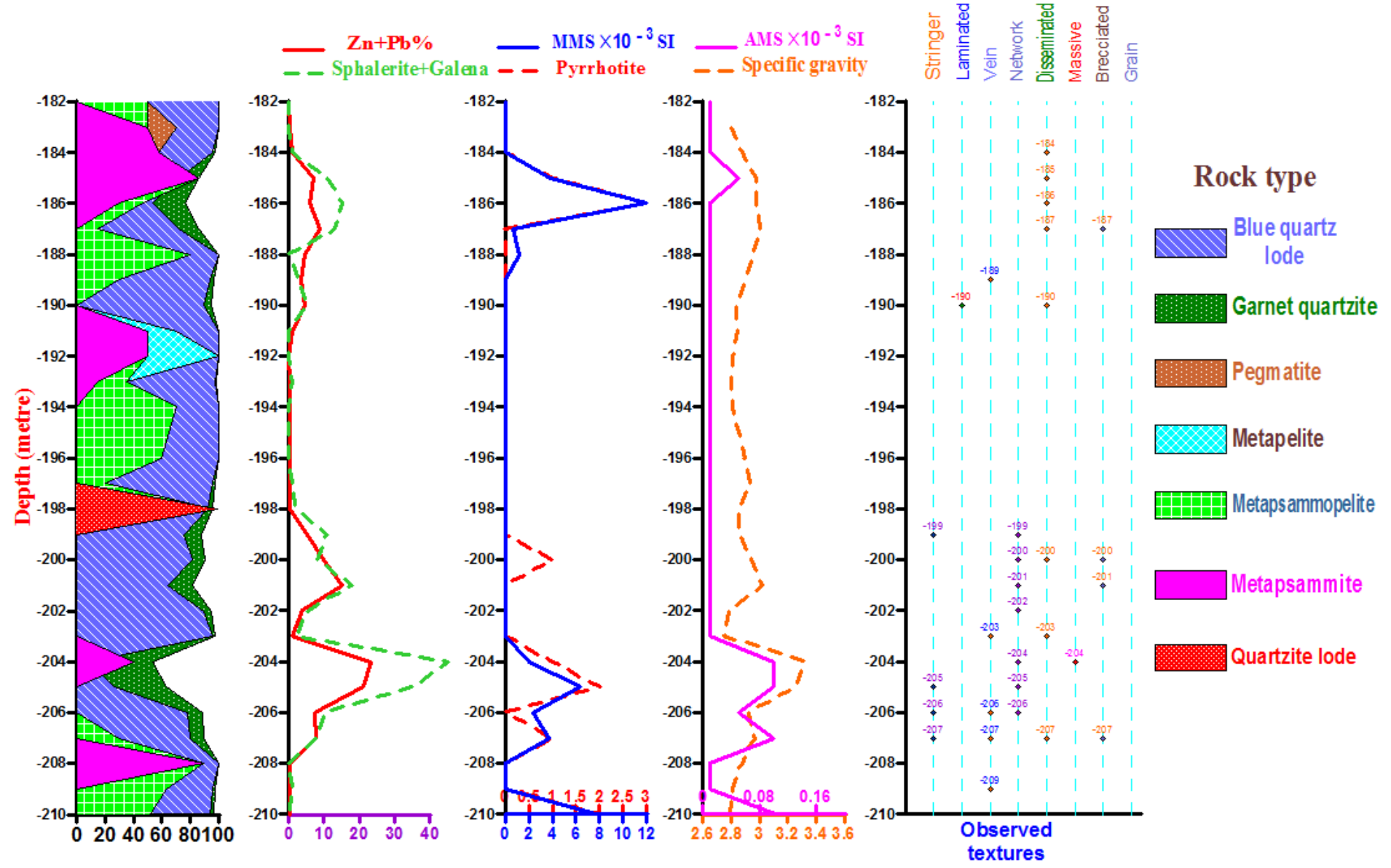
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4015



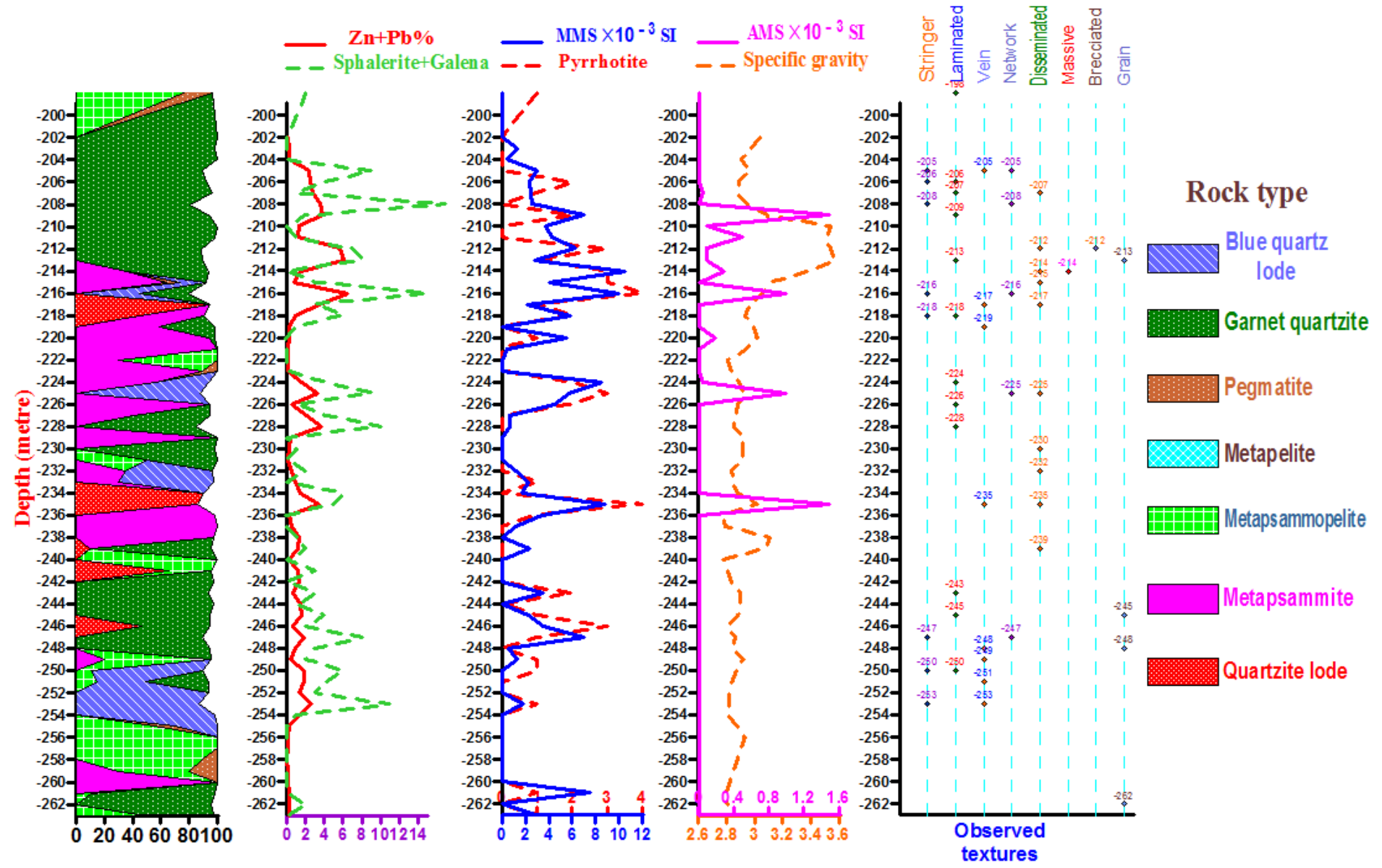
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4017



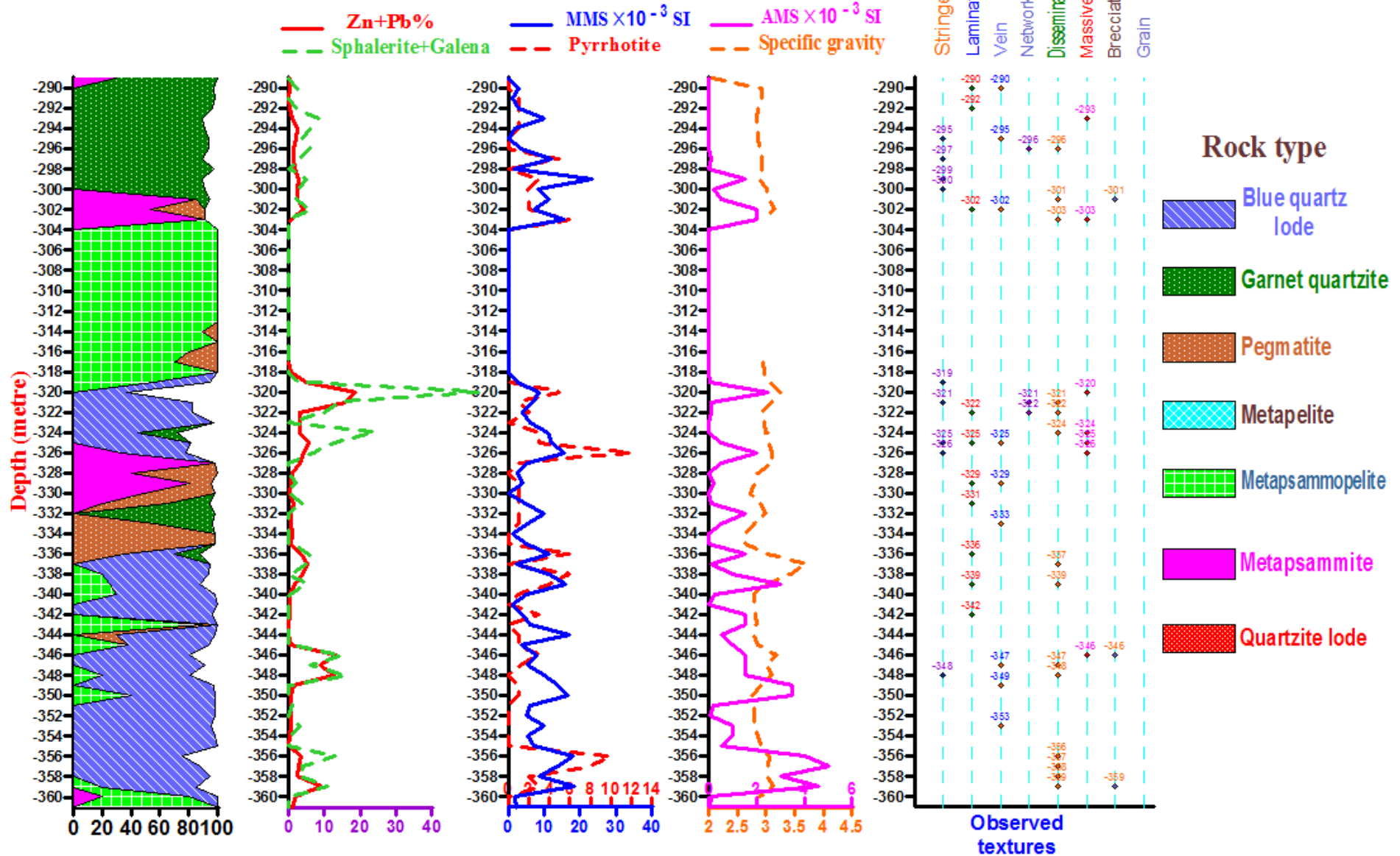
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4016



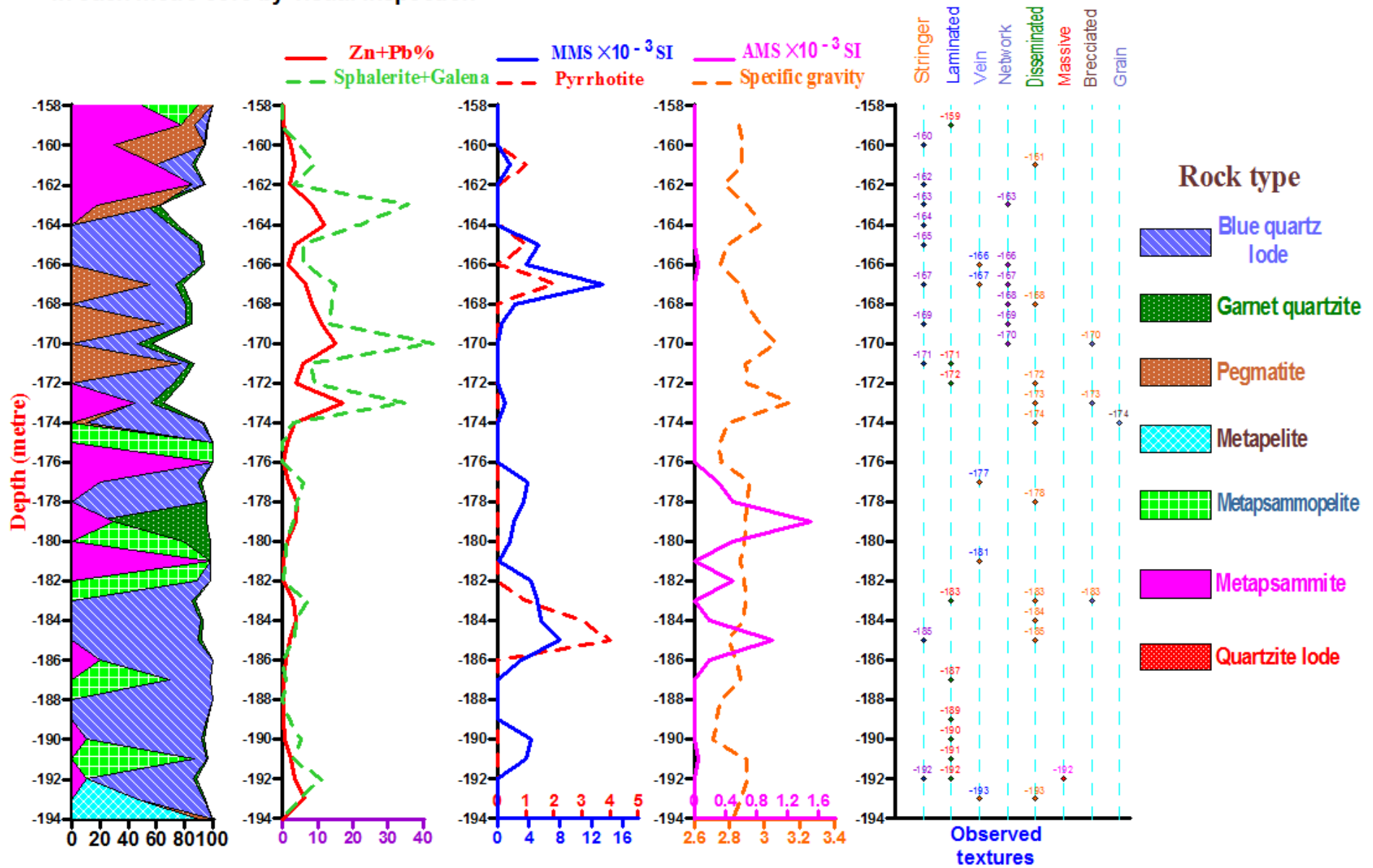
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4018



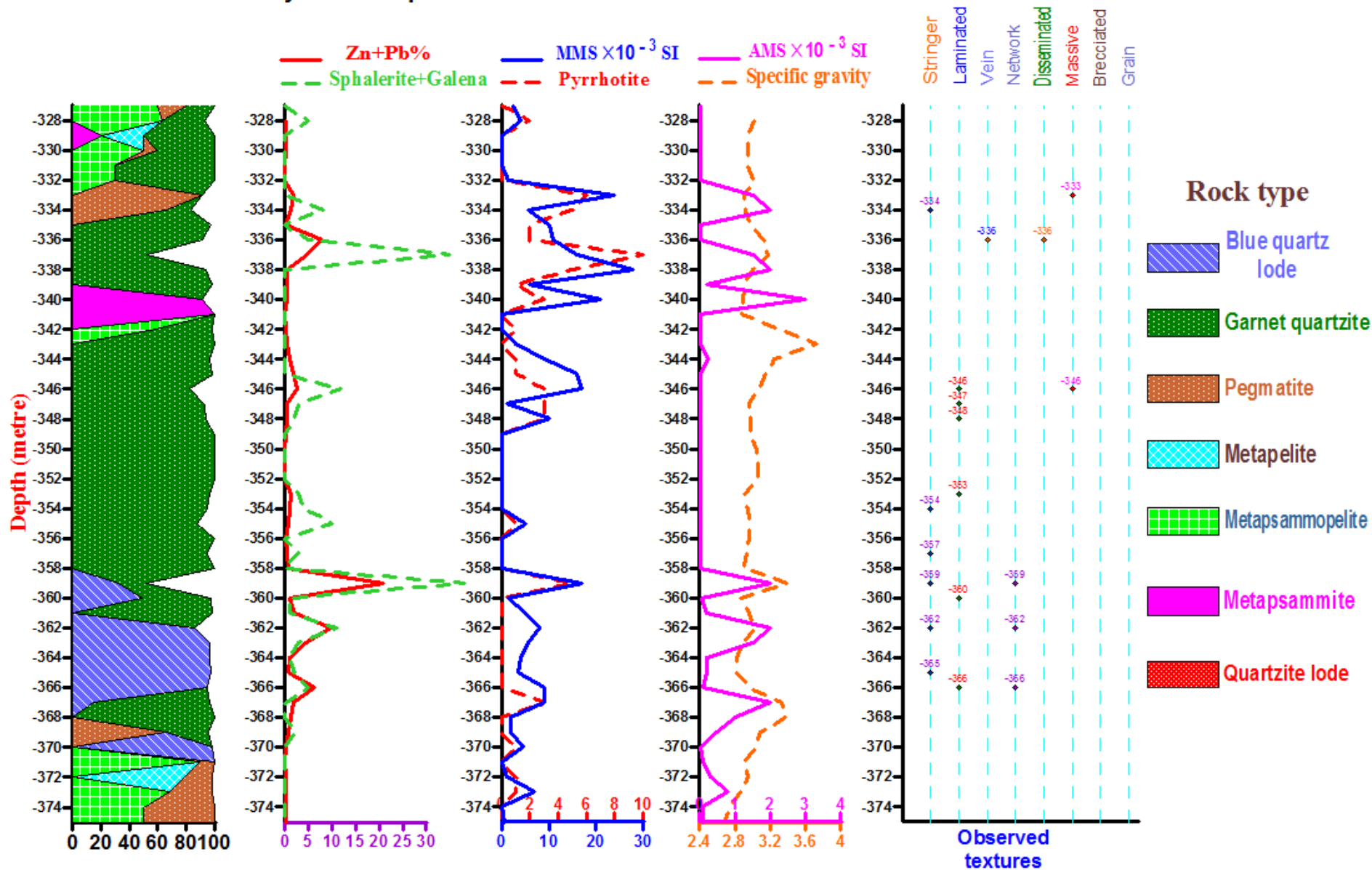
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4019



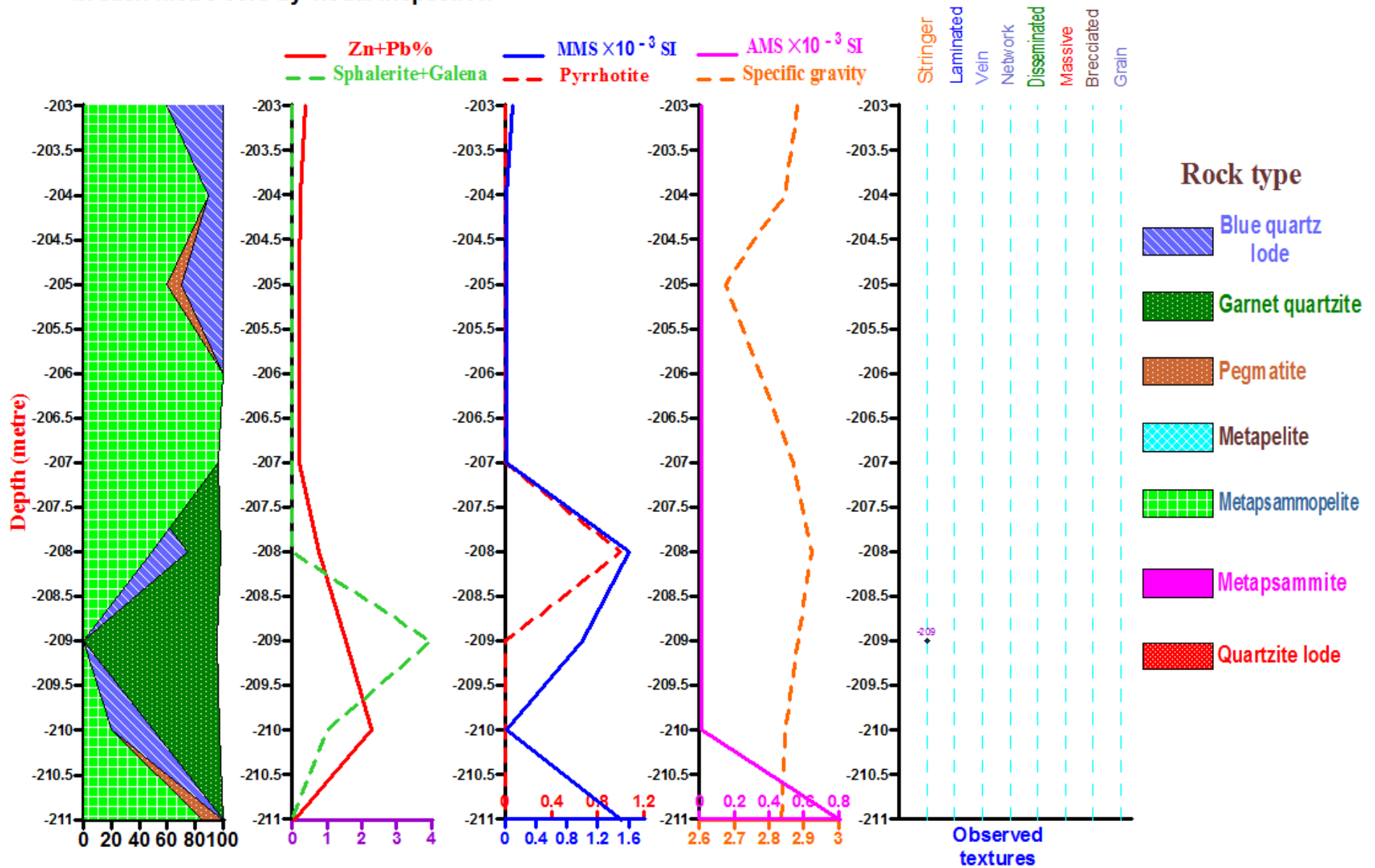
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4020



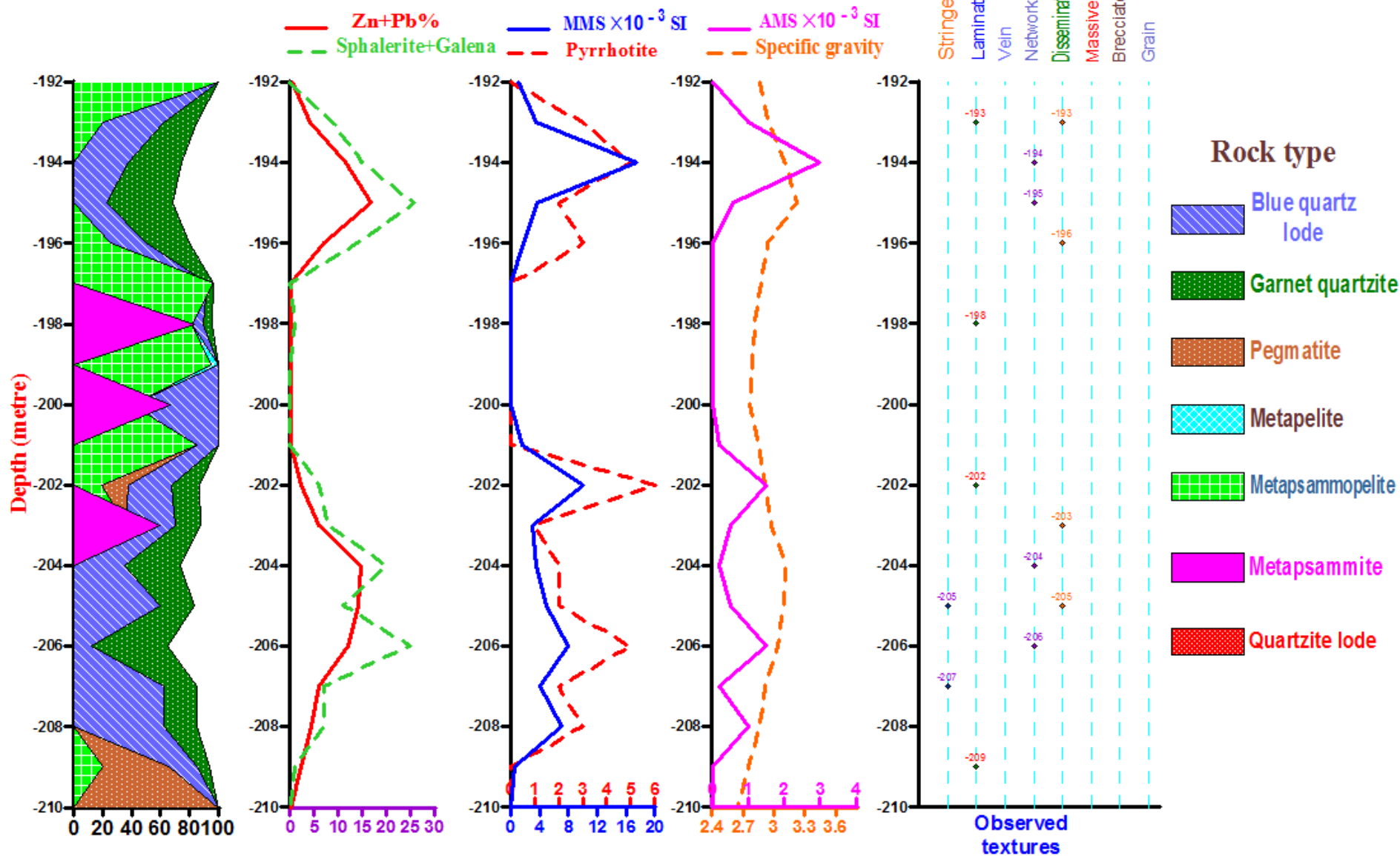
Mineral & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4021



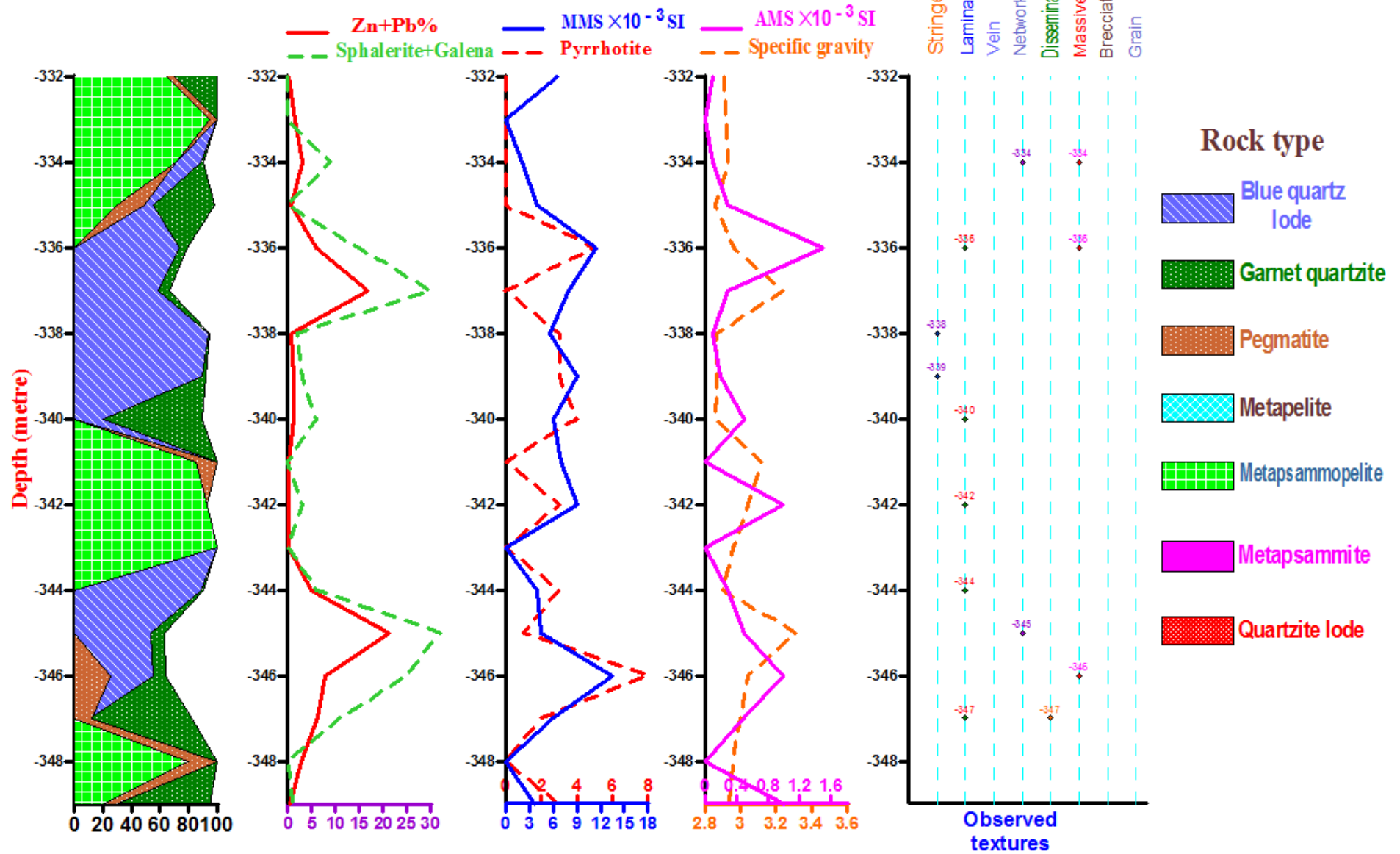
Minerals & Rocks (Volume %) in each metre core by visual inspection

Drill hole: 4022



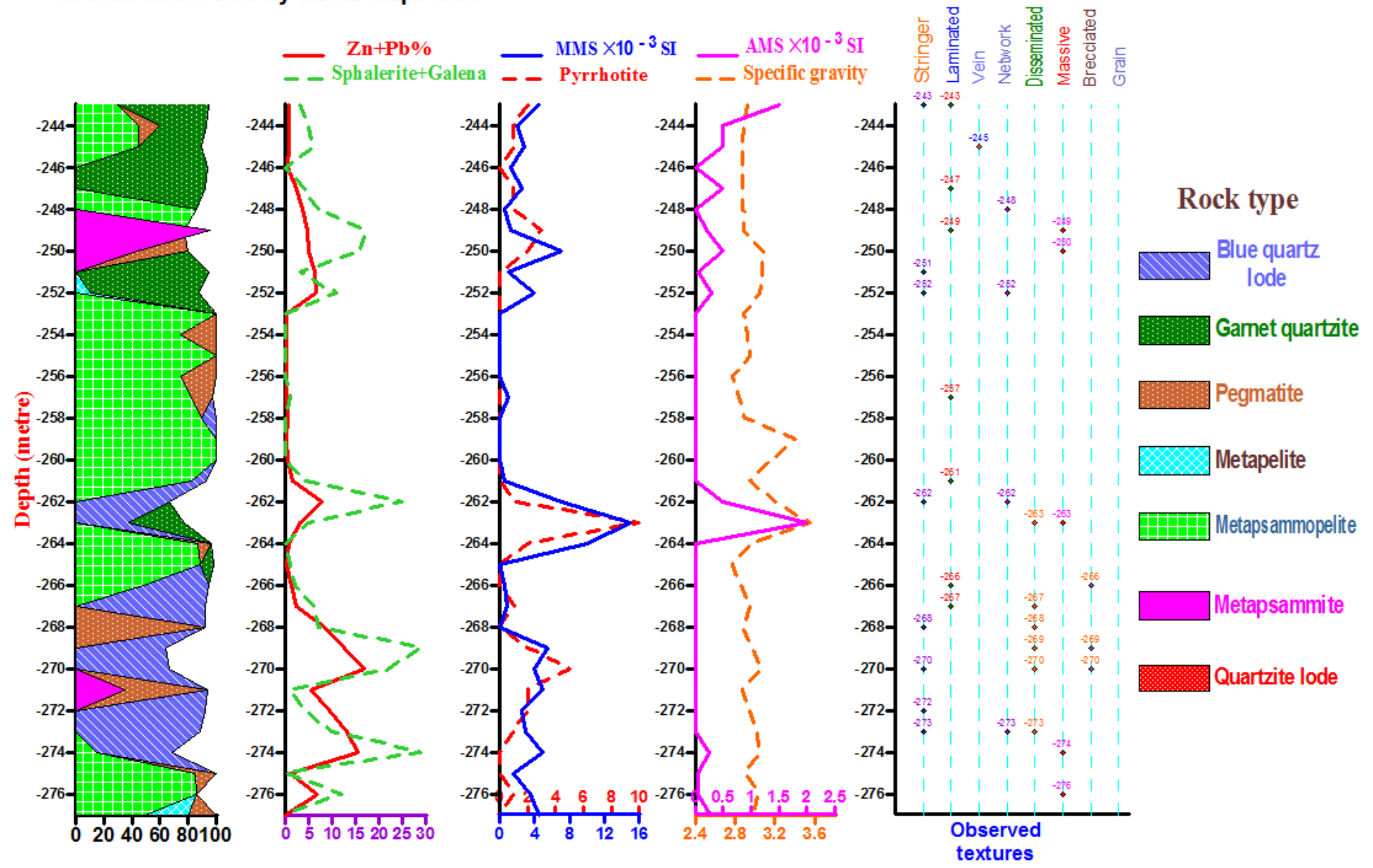
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4023



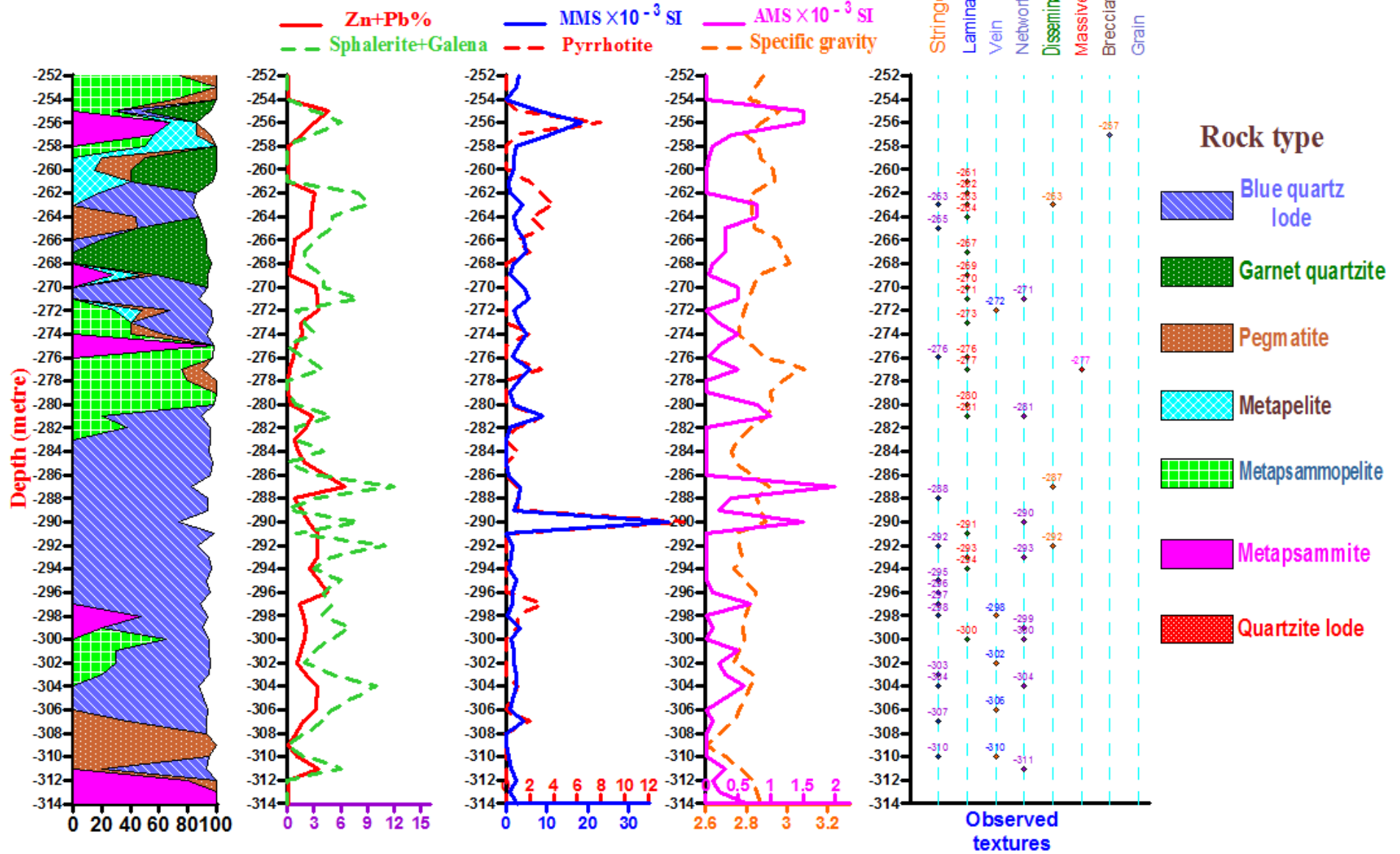
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4026



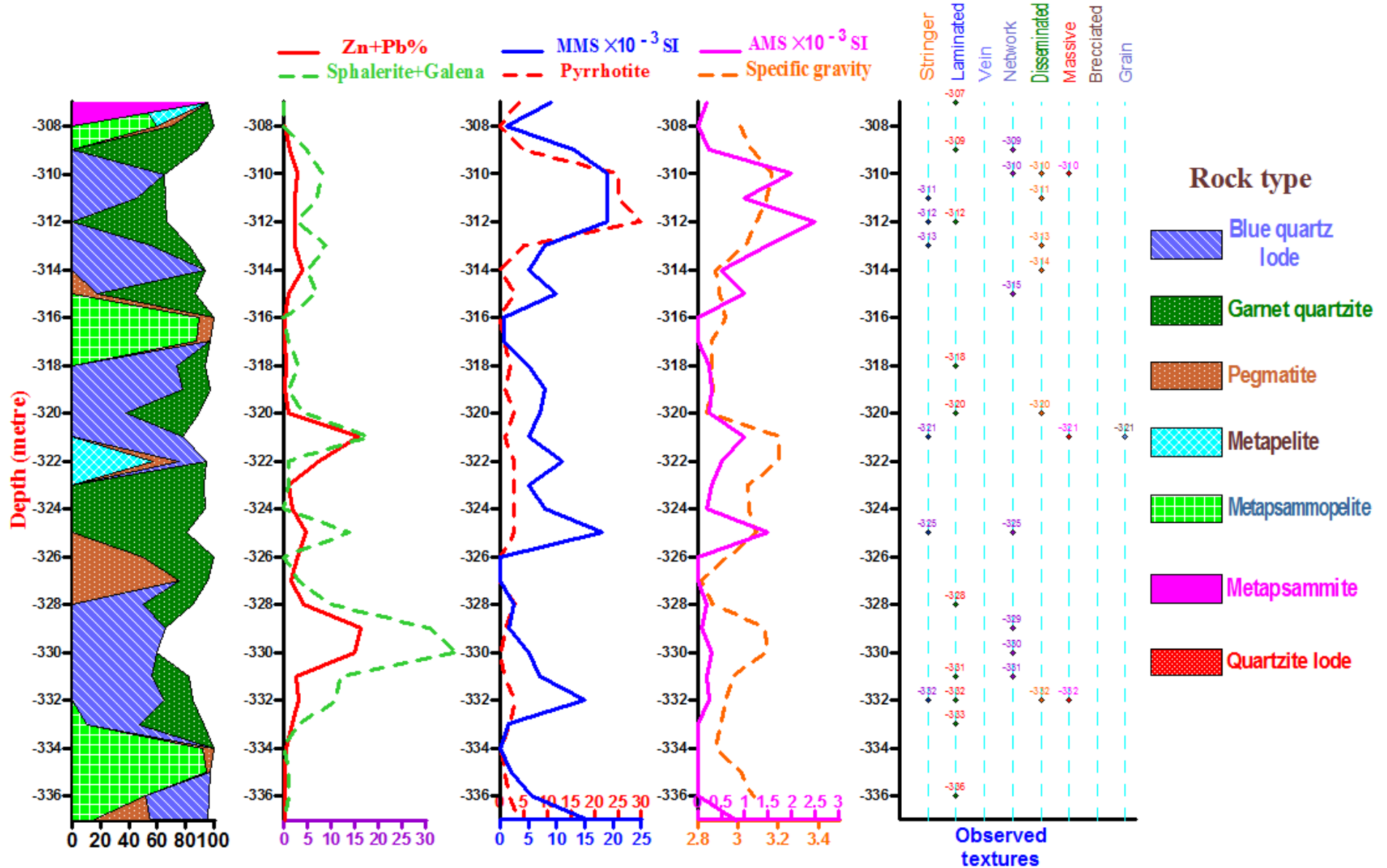
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4029



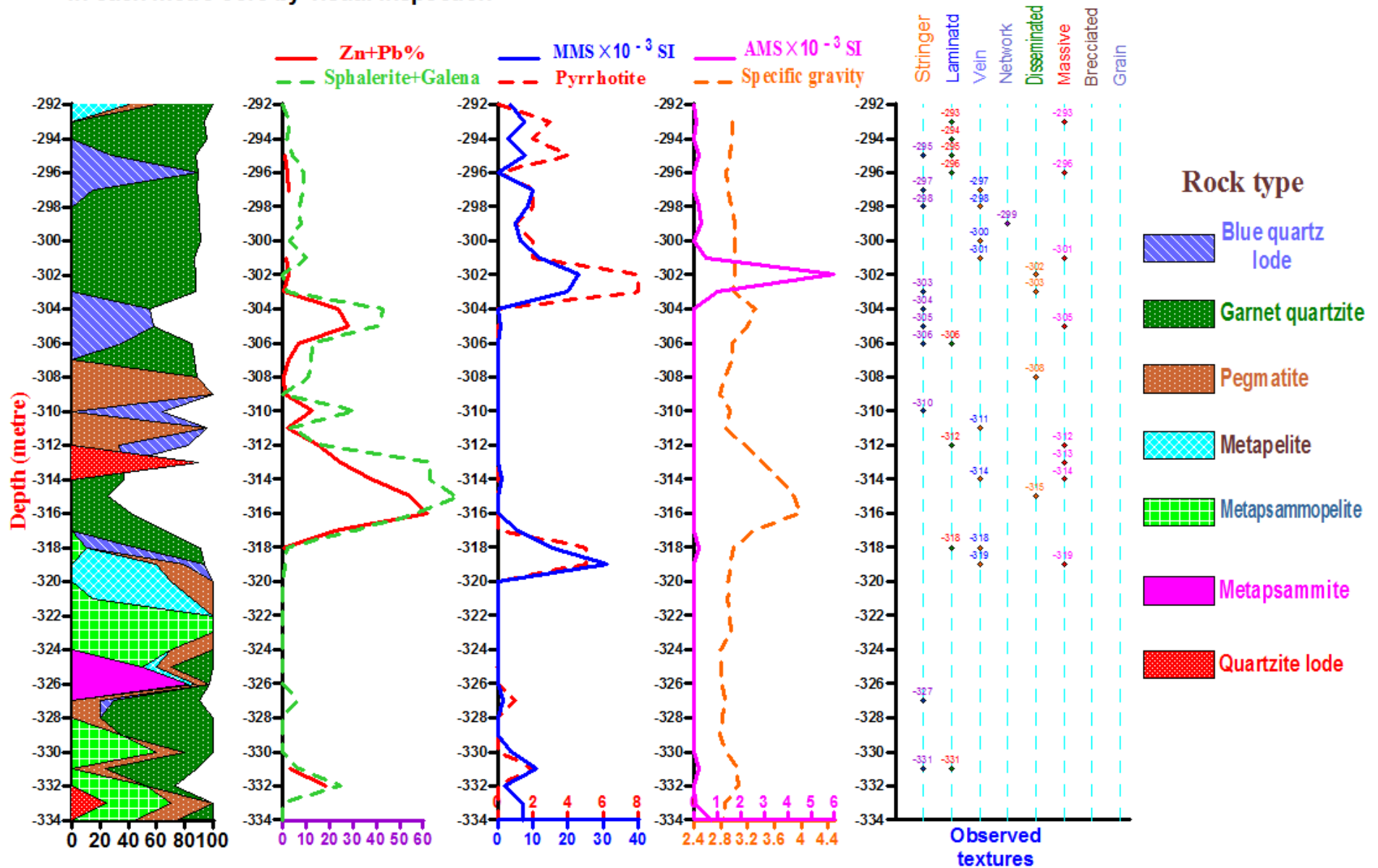
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4030



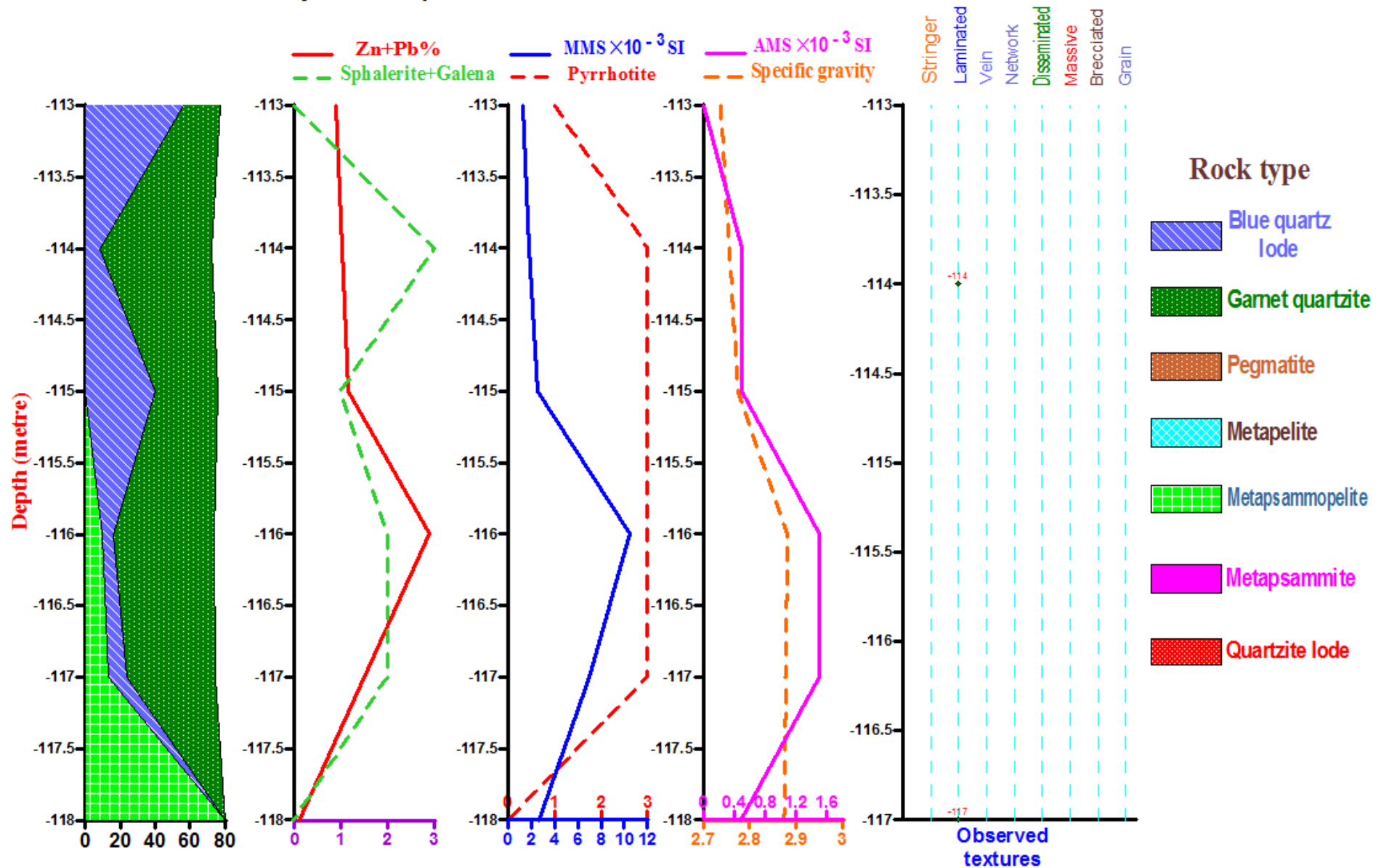
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4031



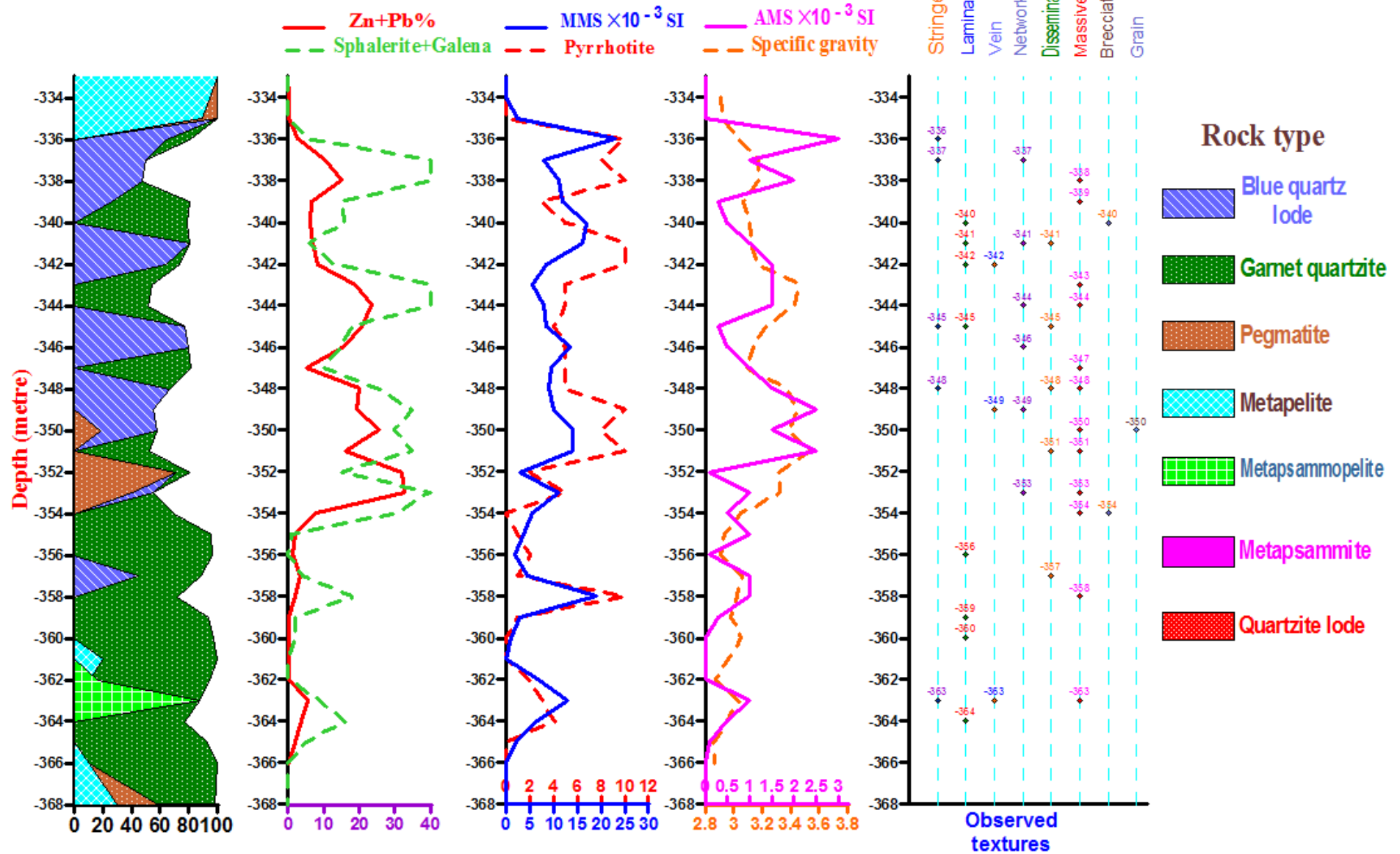
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4032



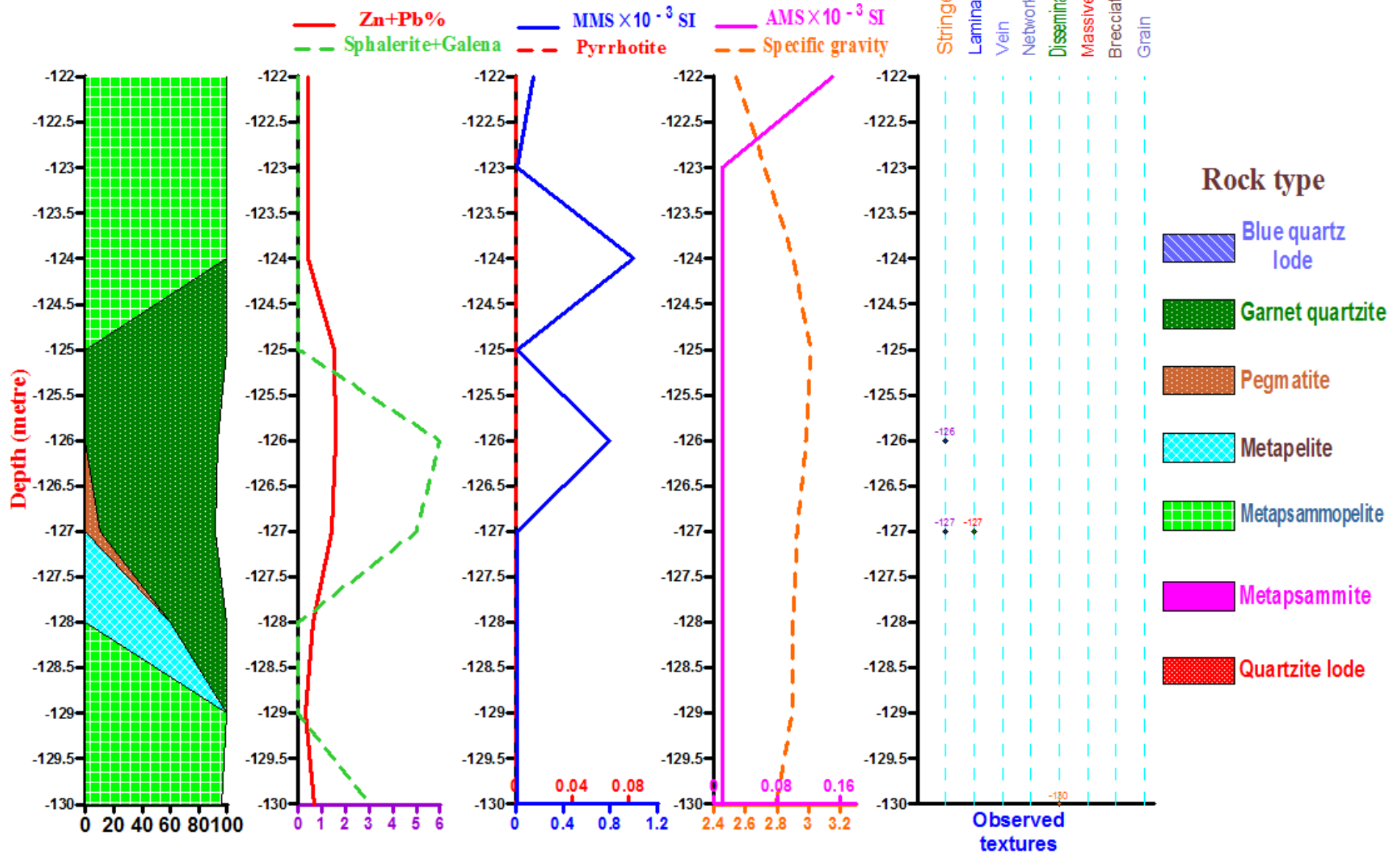
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4033



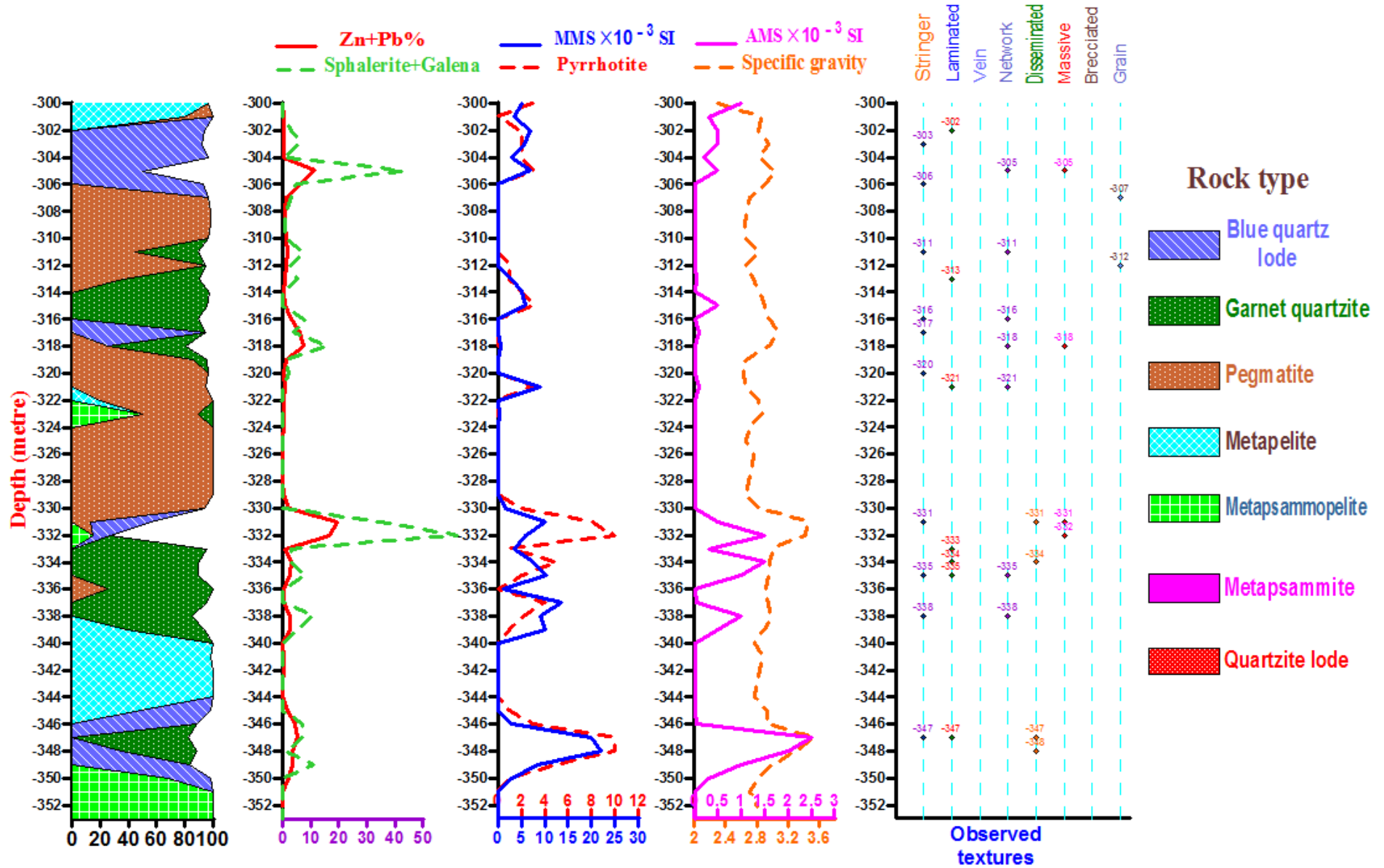
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4034



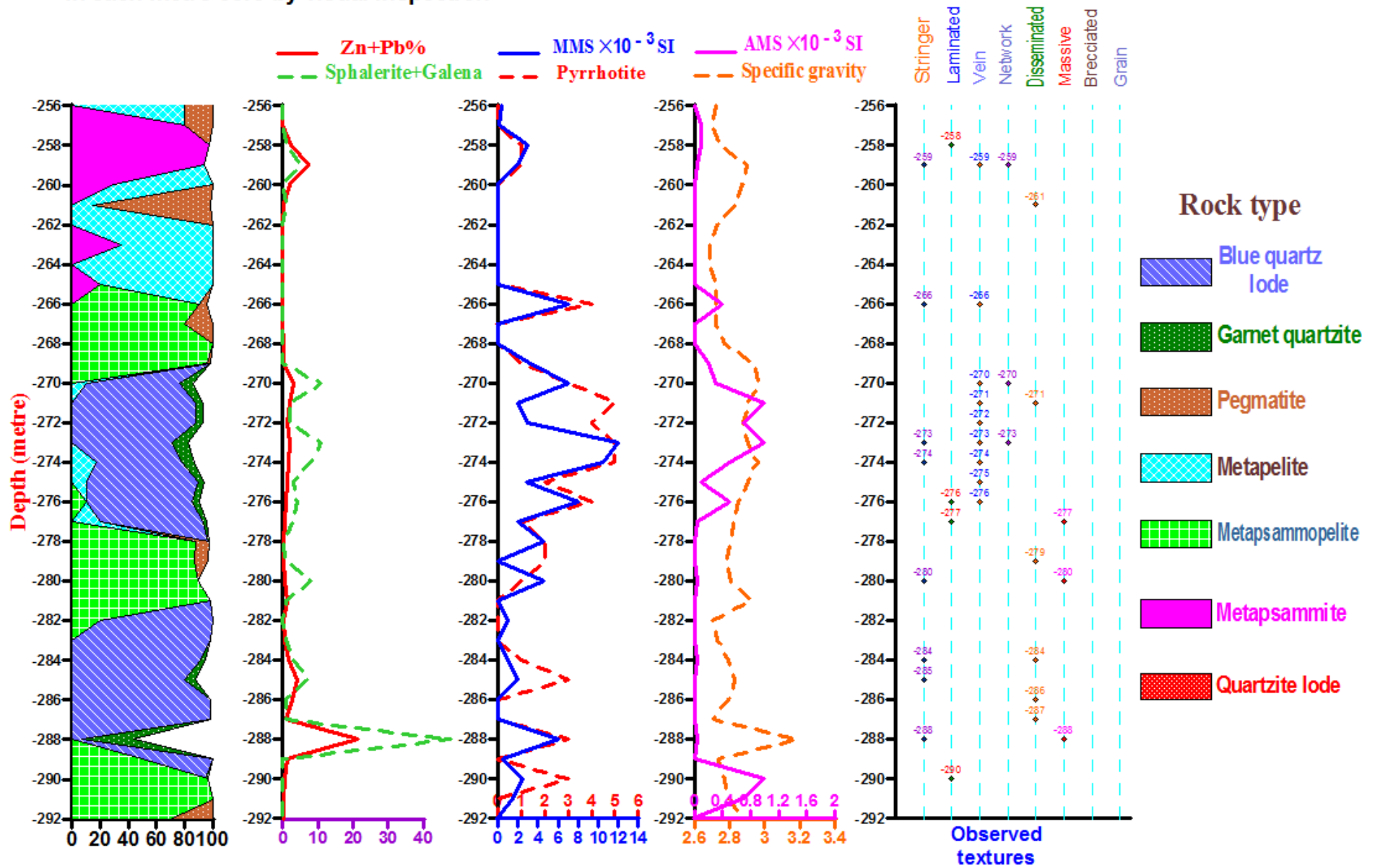
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4035



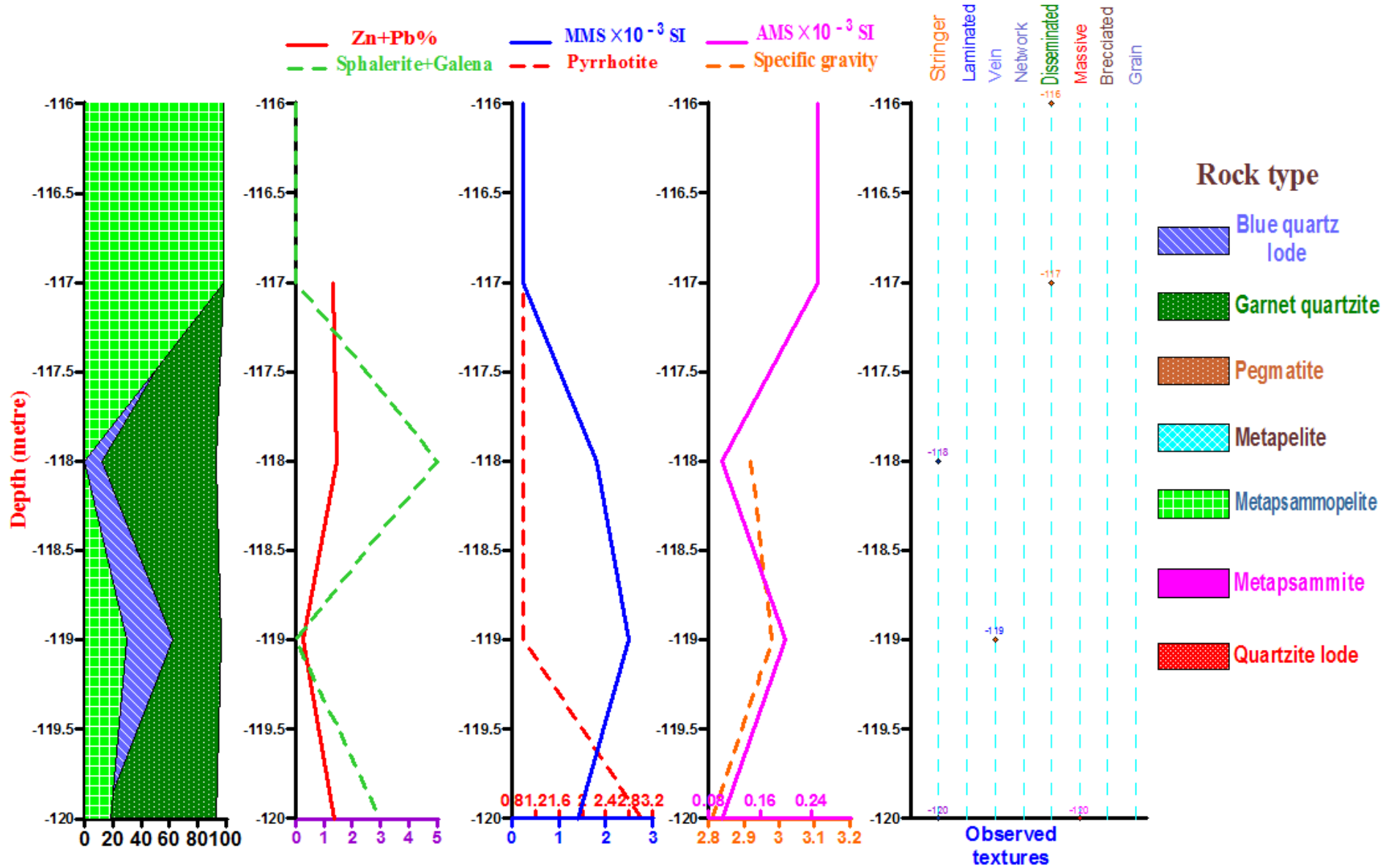
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4037



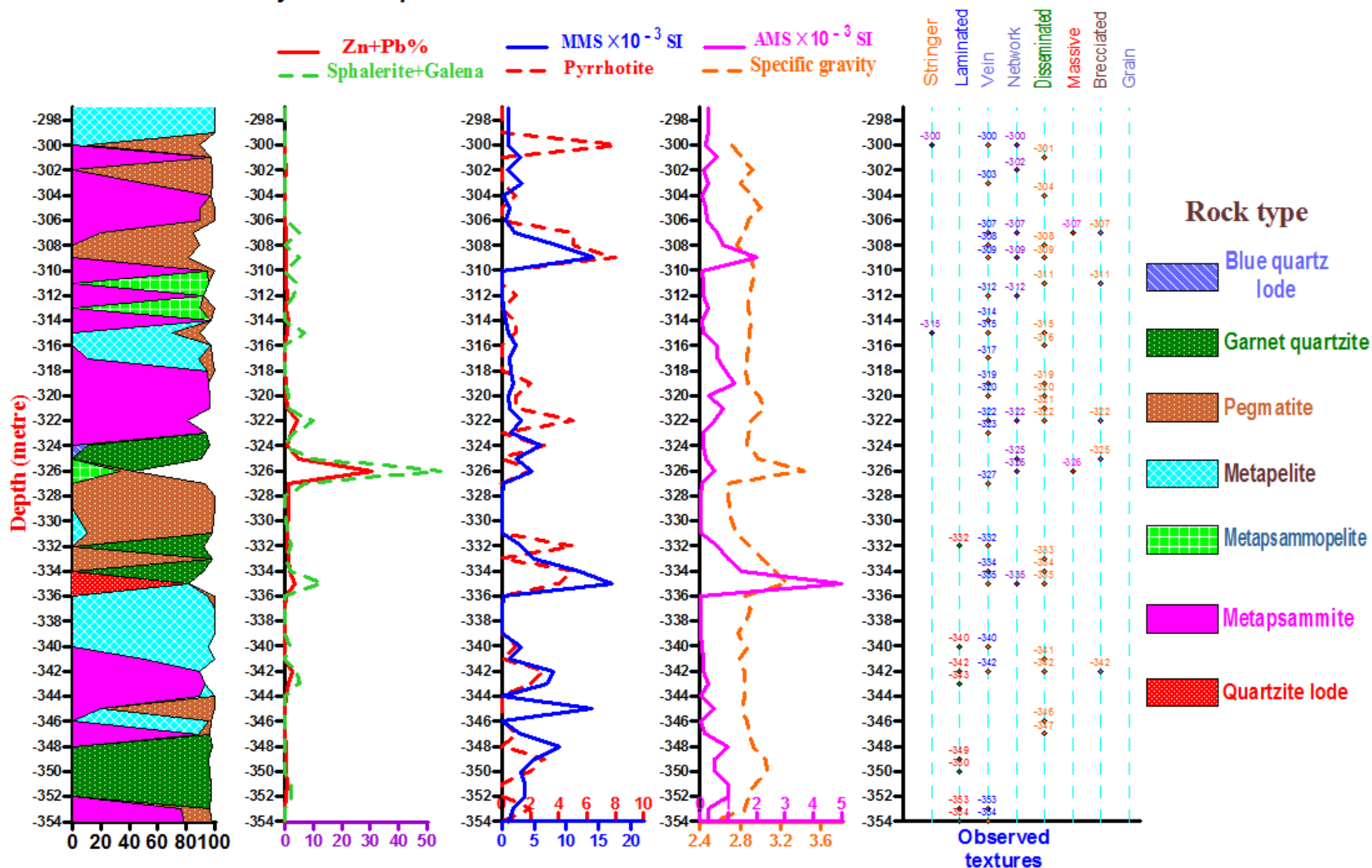
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4038



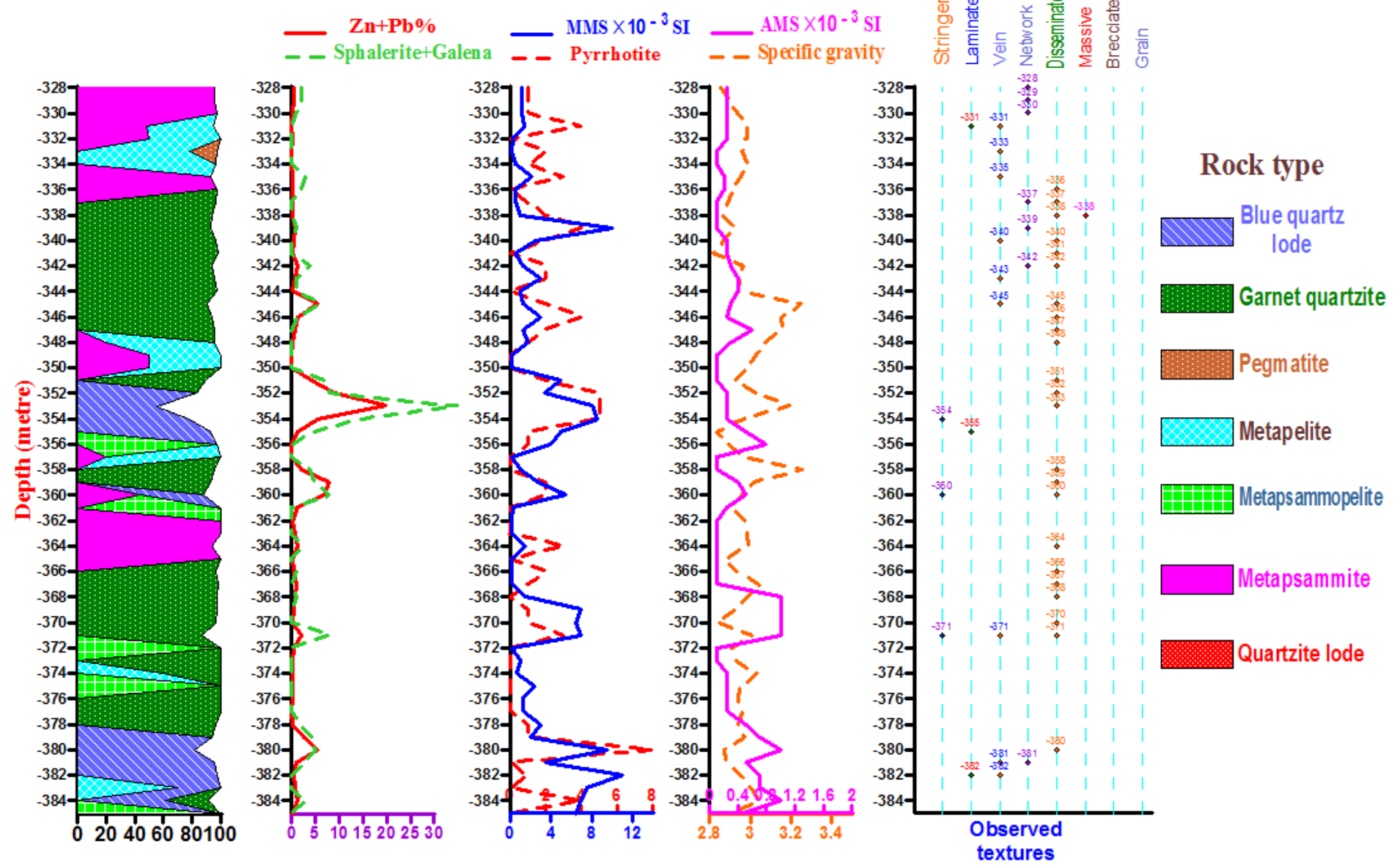
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4039



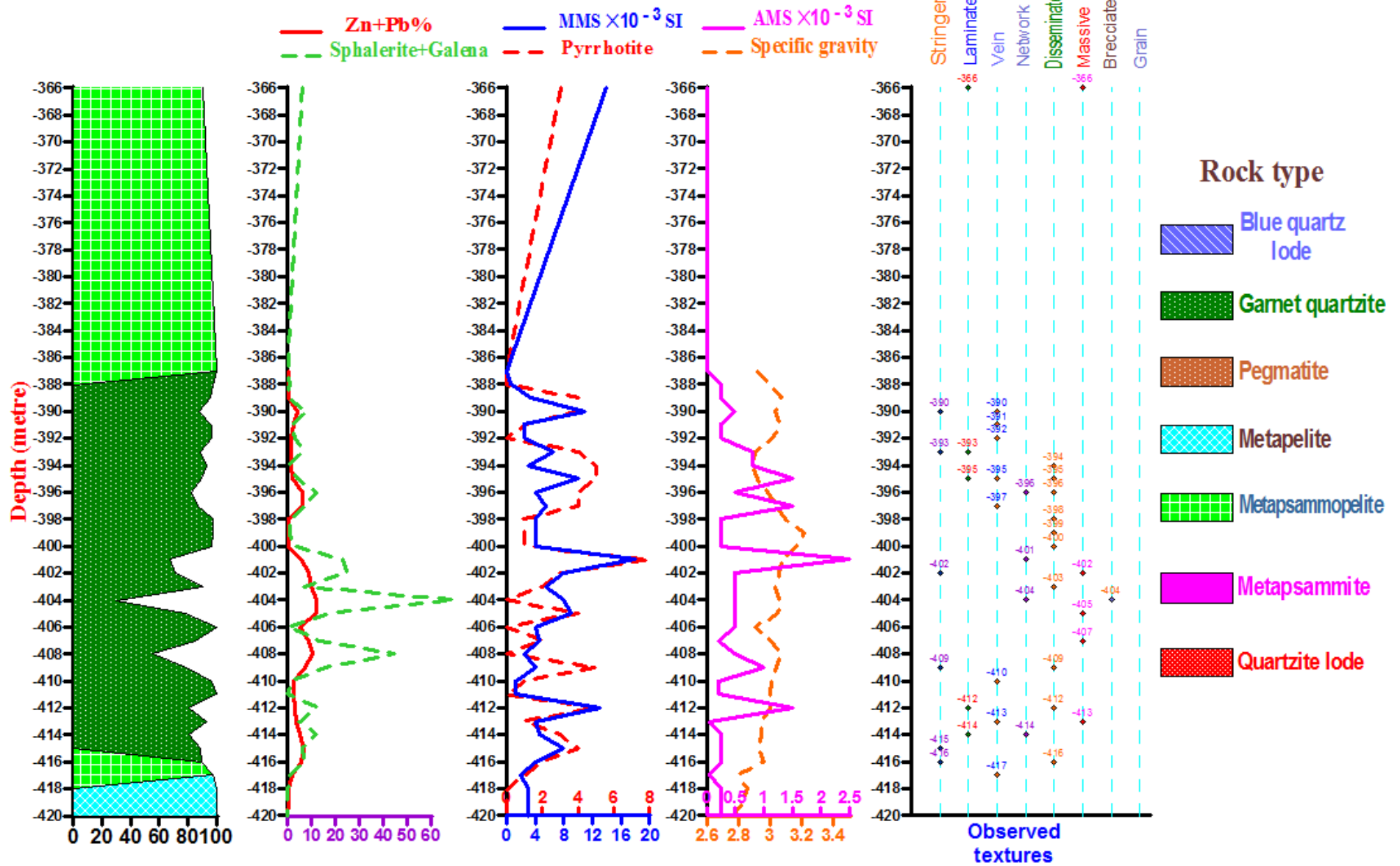
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4040



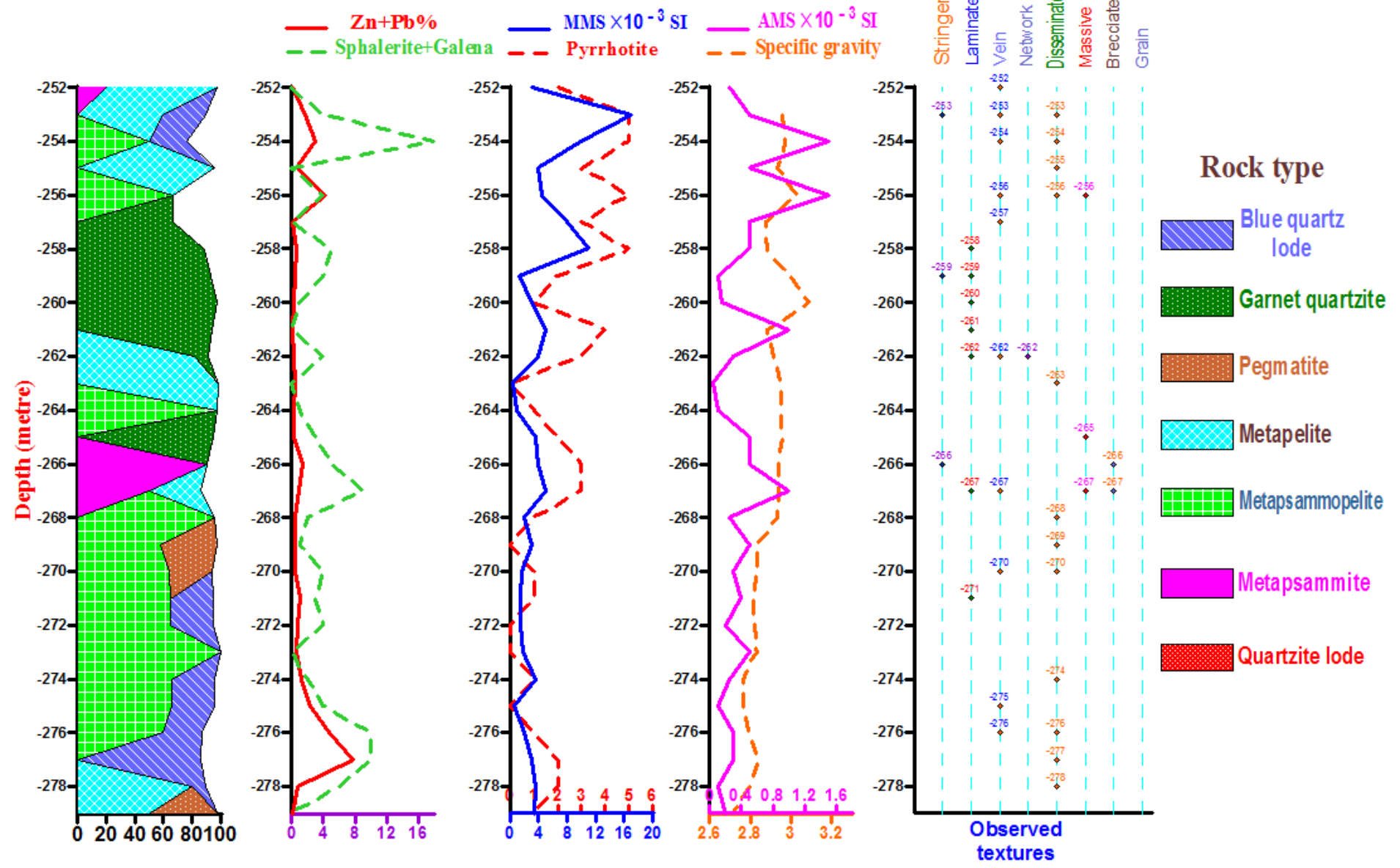
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4042



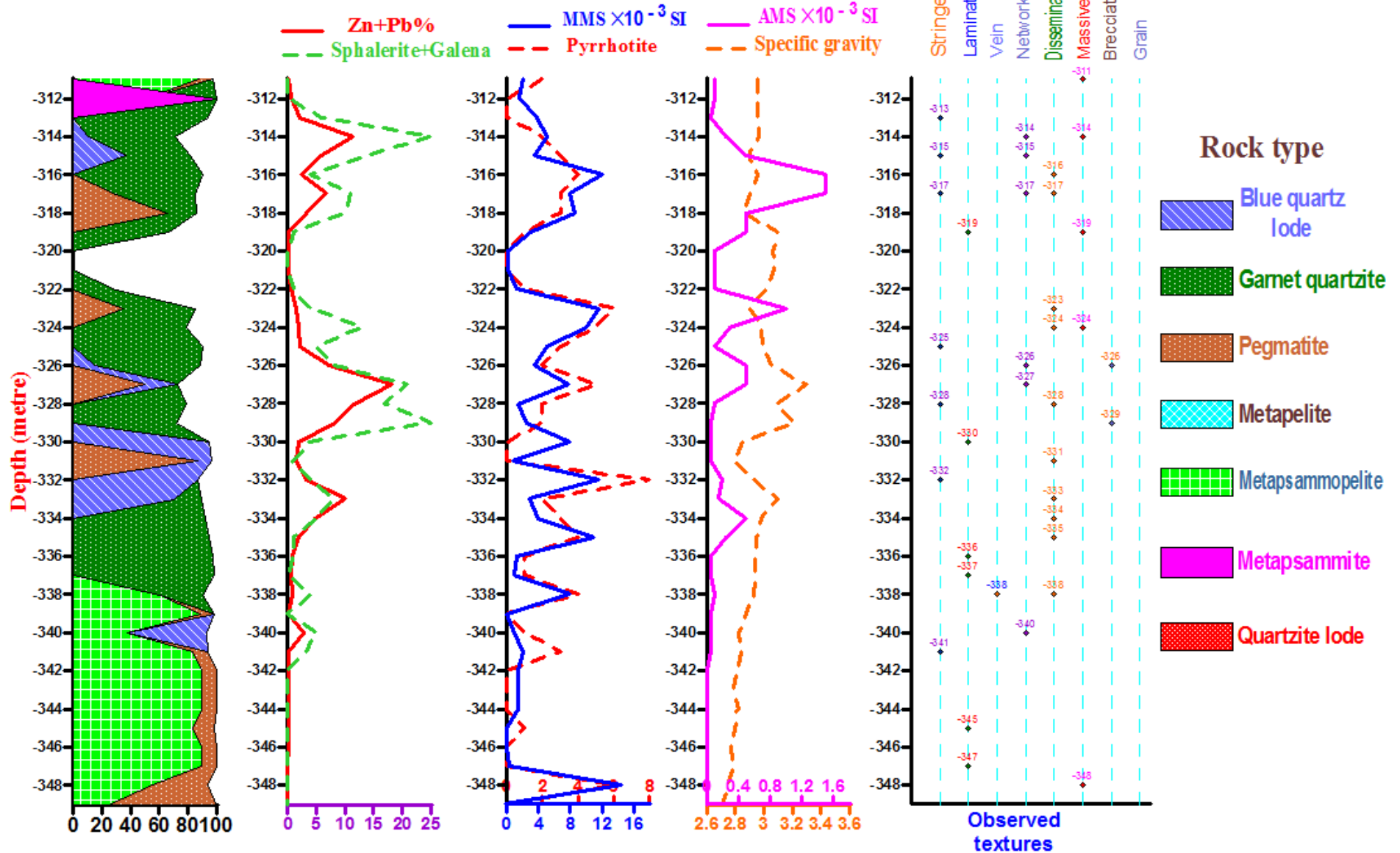
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4043



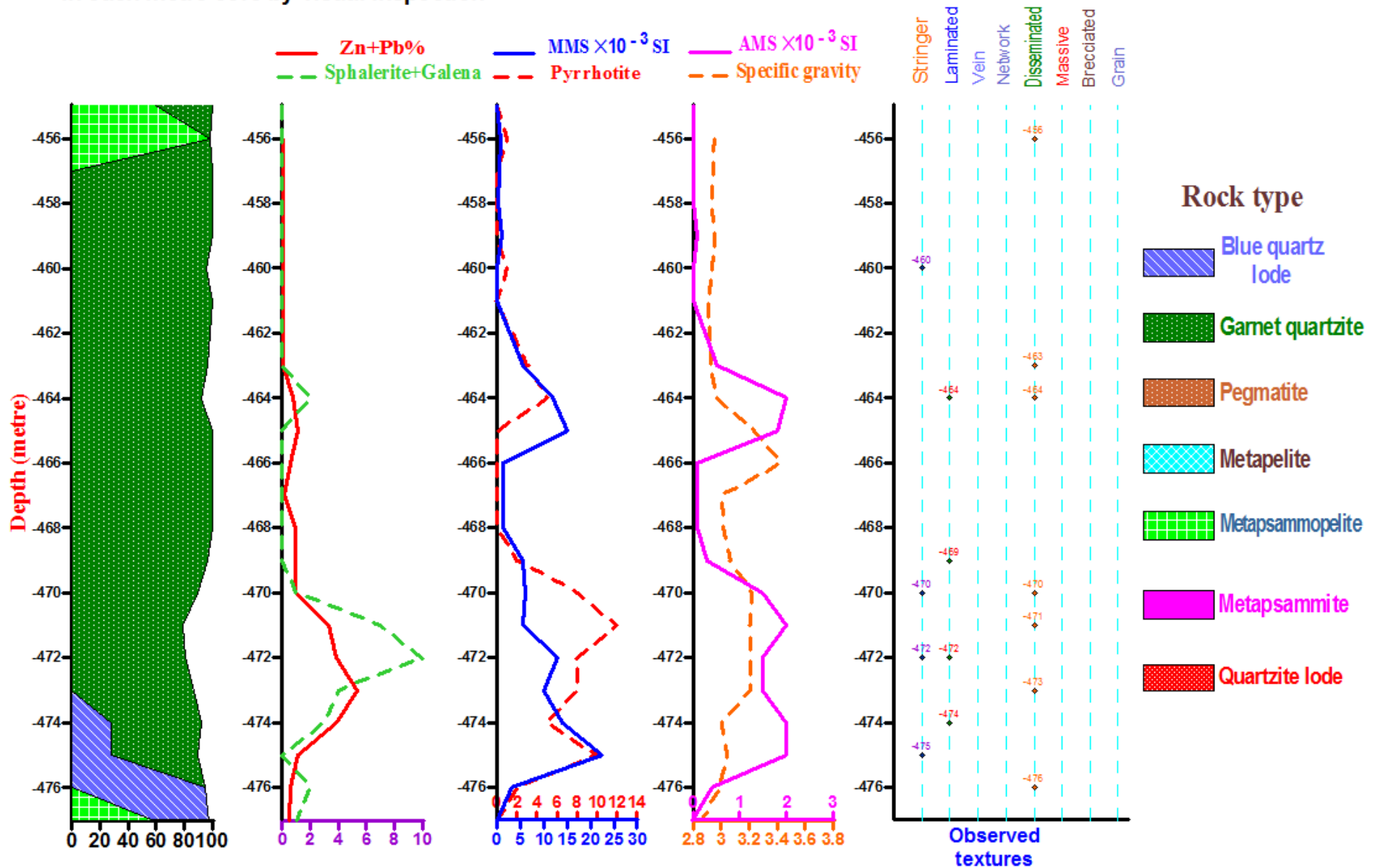
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4044



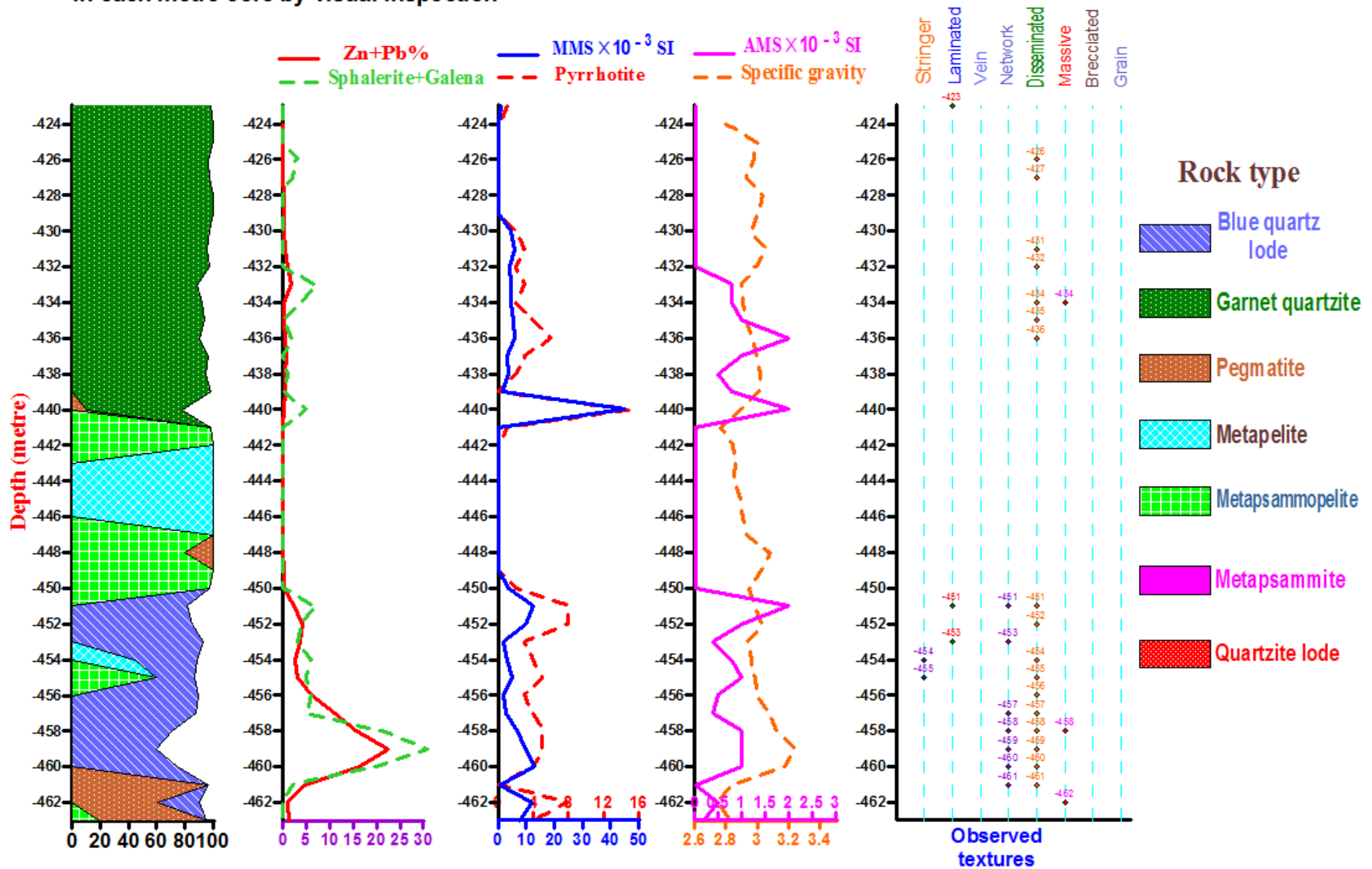
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4045



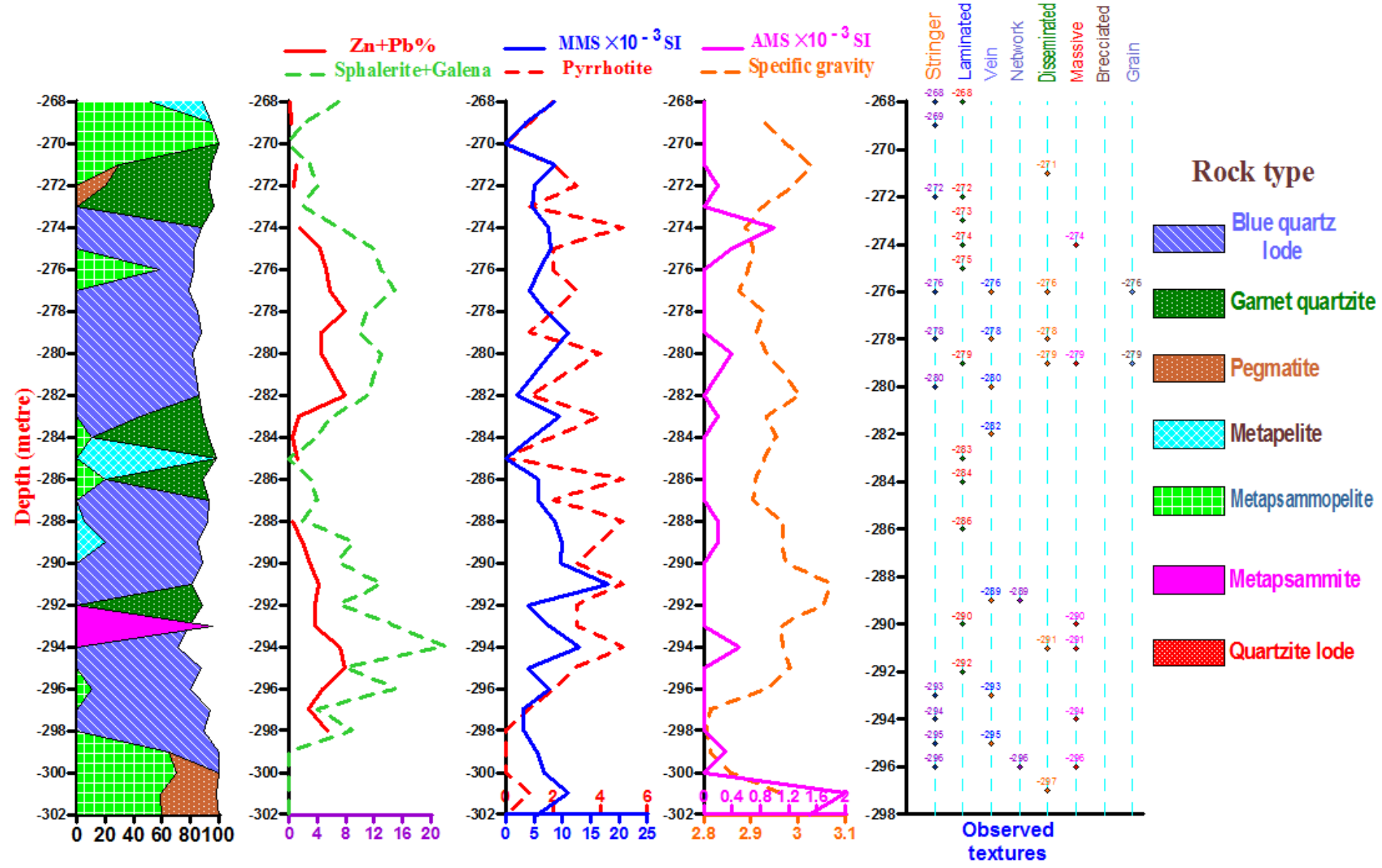
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4047



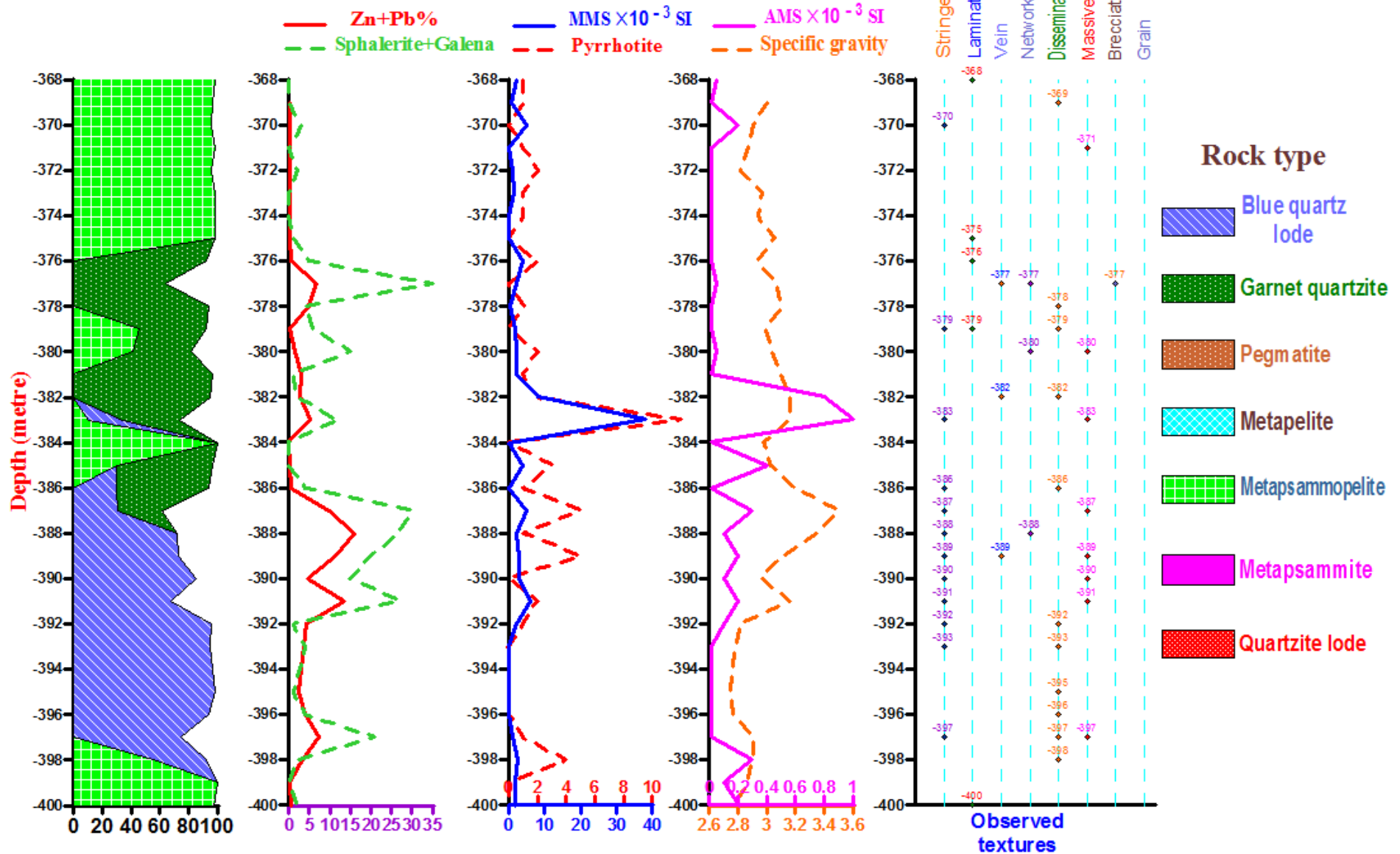
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4048



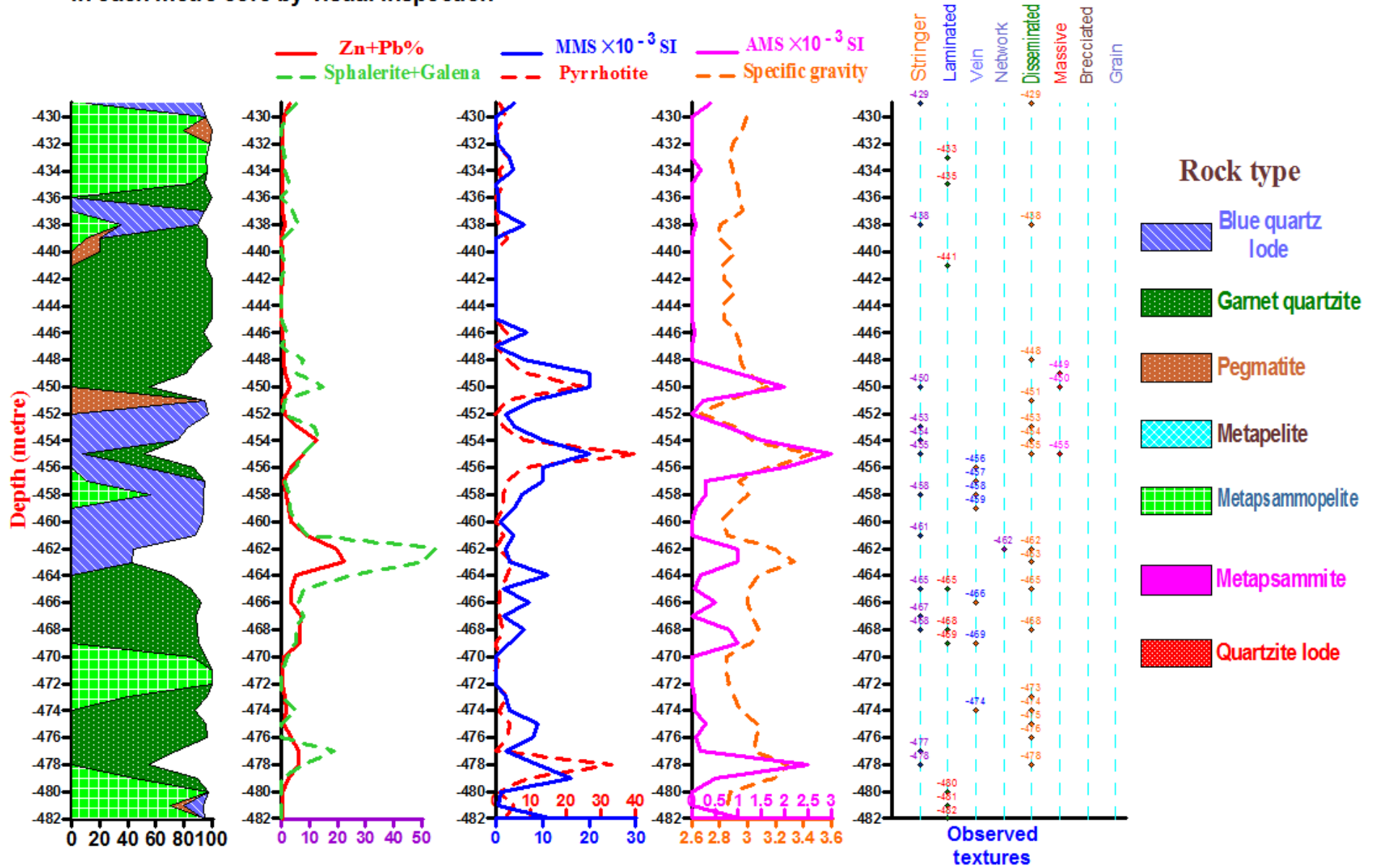
**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4049



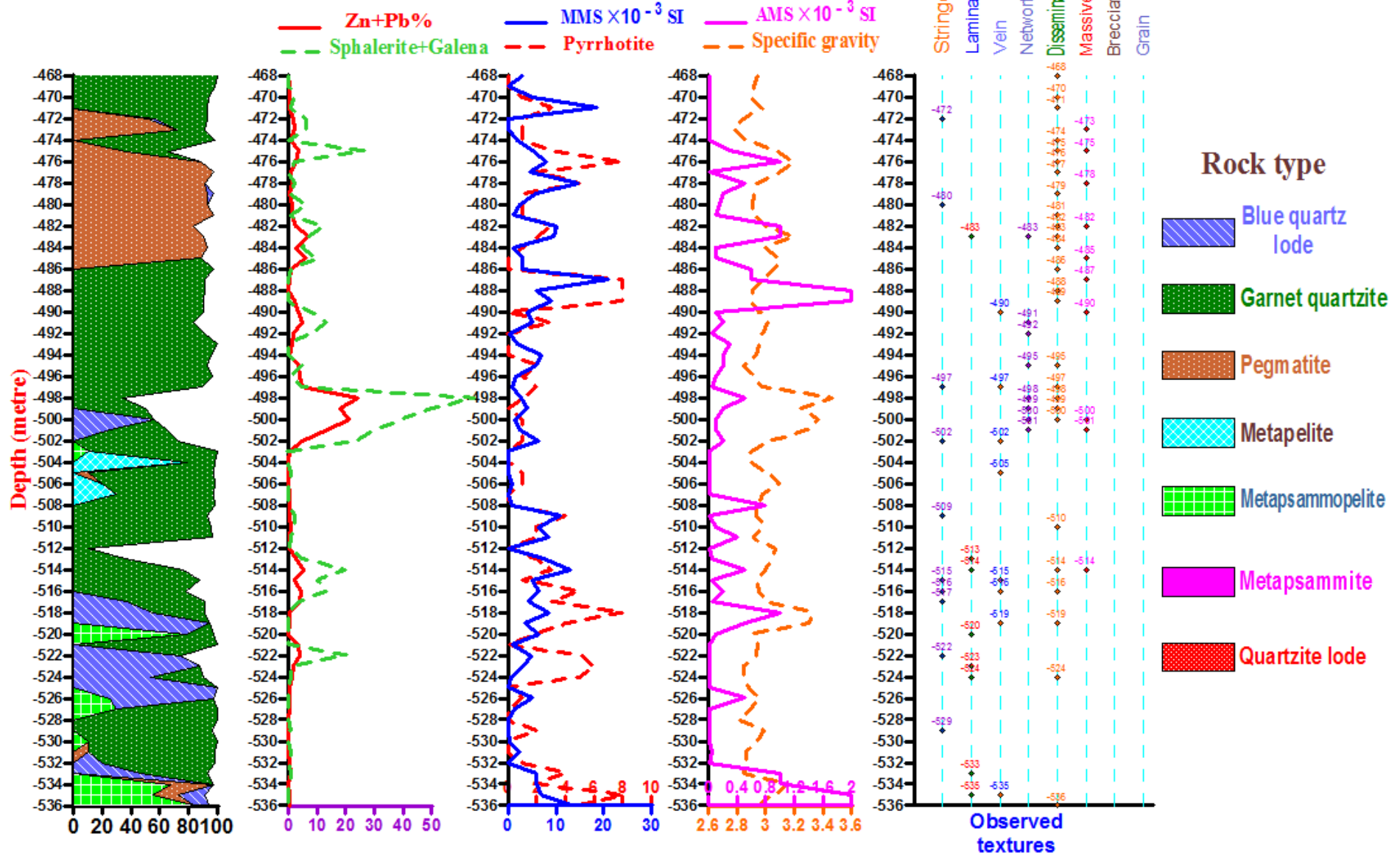
Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4050



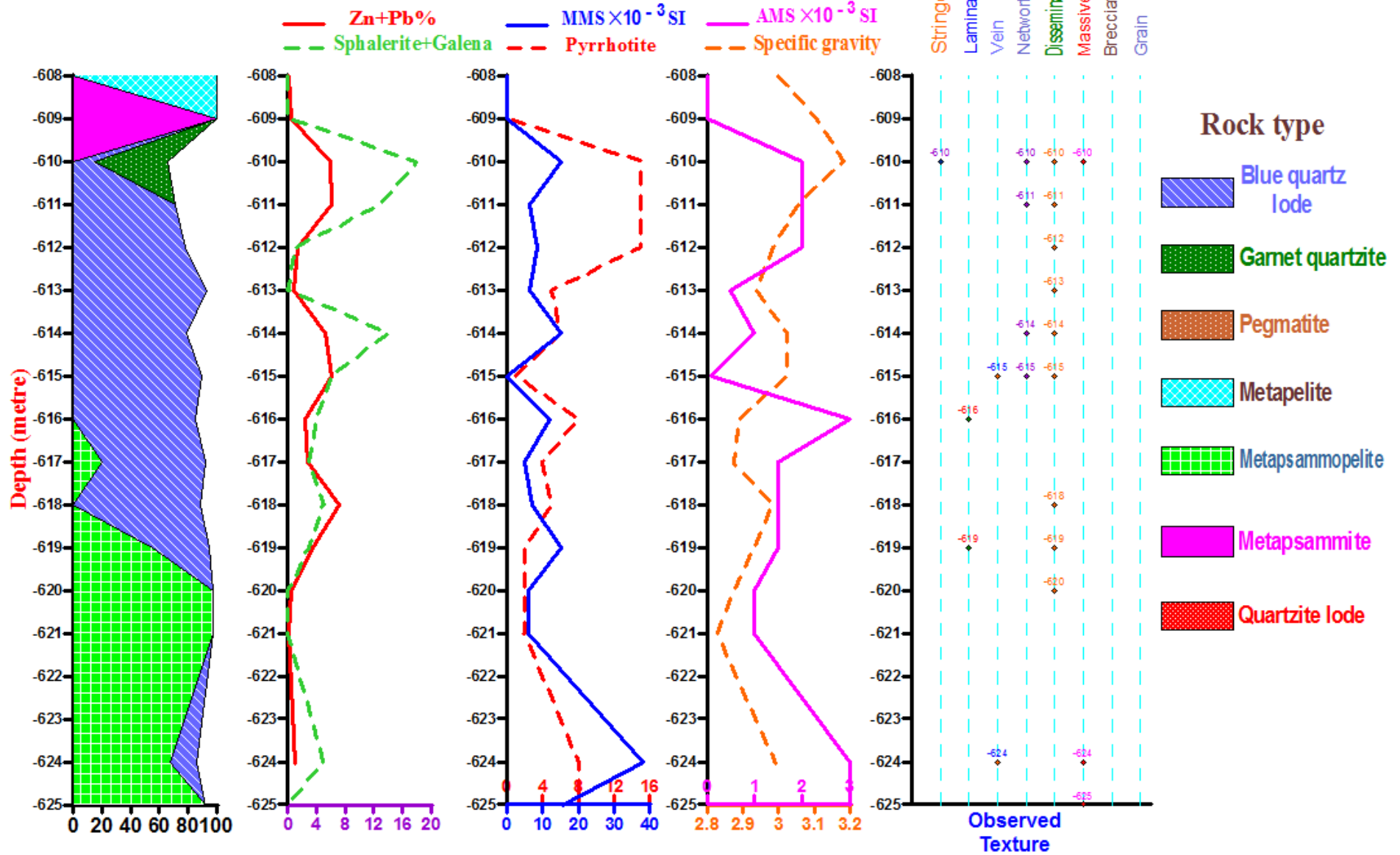
Minerals & rocks (Volume %)
in each metre core by visual inspection

Drill hole: 4051



**Minerals & rocks (Volume %)
in each metre core by visual inspection**

Drill hole: 4052



Minerals & rocks (Volume %) in each metre core by visual inspection

Drill hole: 4054

