65925, 65926 and 65927

Soil Breccia

3.82, 3.03 and 0.72 grams

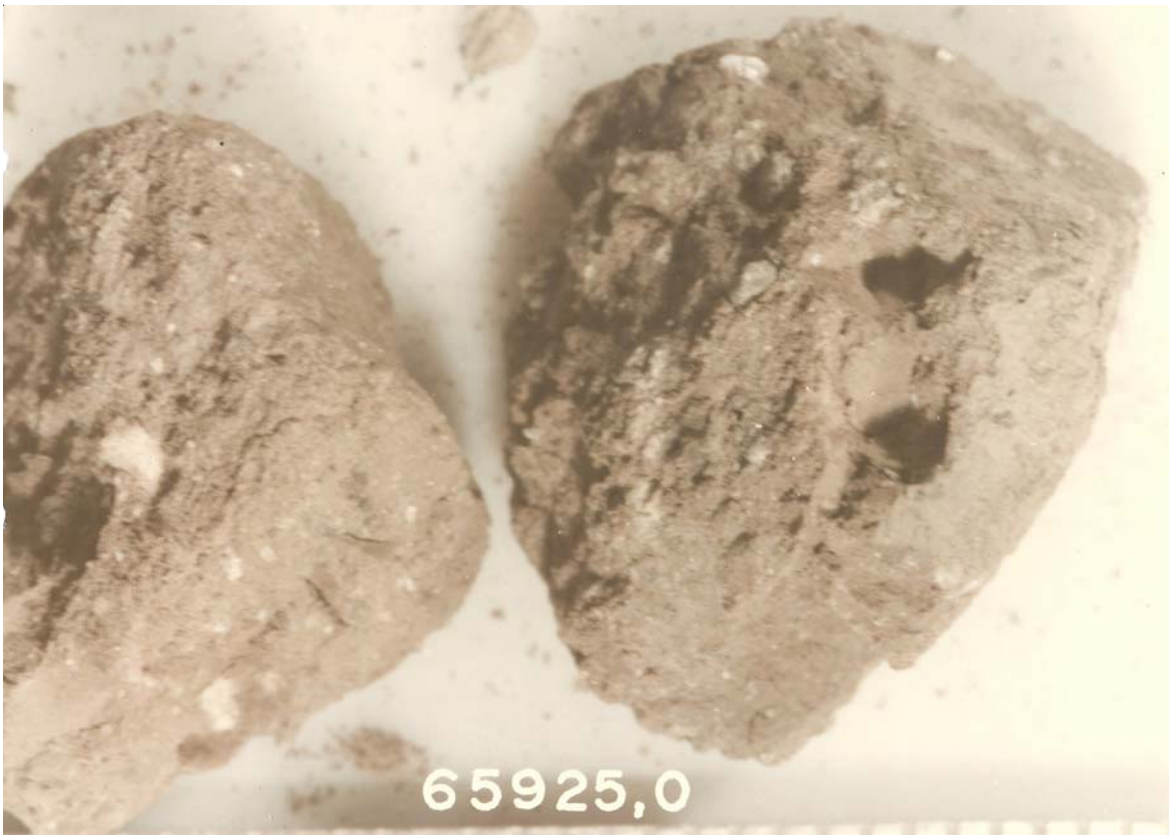


Figure 1: Photo of 65925. Tick marks at bottom are 1 mm apart. S72-48068

Introduction

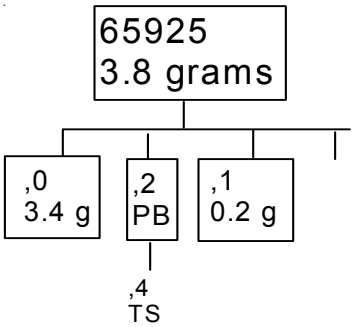
The section on 65901 discusses the location of these samples. They are rounded, friable soil breccias (figures 1 – 3).

Petrography

Keil et al. (1972) described these rake samples as soil breccias. Thin sections show they have seriate grain size distribution with occasional white clasts. Jerde et al. (1983) and Joy et al. (2012) reported the maturity index I_s/FeO = 41 (submature) for 65925.

Chemistry

Jerde et al. (1983) determined the composition.



References for 65925, 926 and 927

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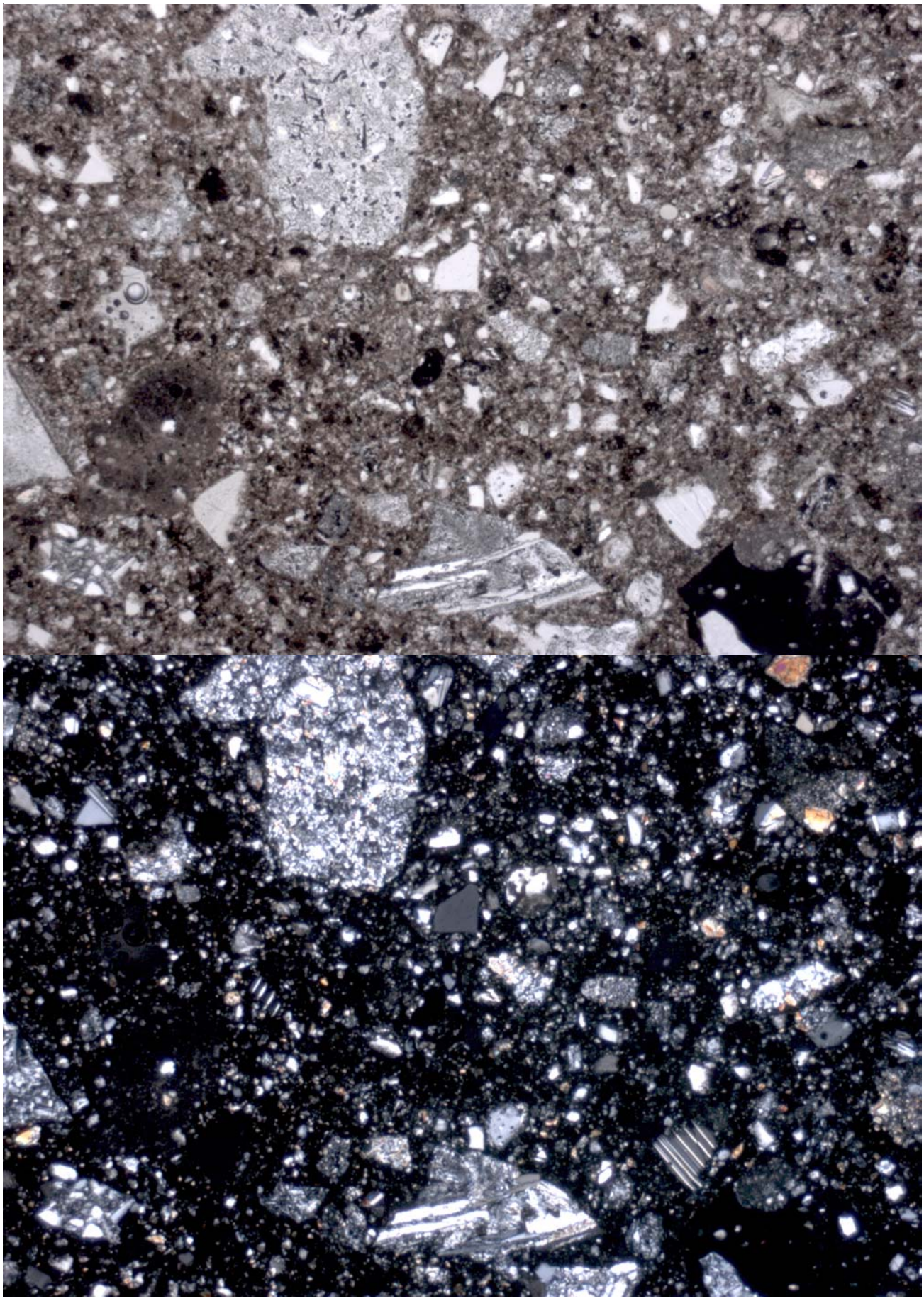

Table 1. Chemical composition of 65925

reference	Jerde86	
weight		
SiO2 %	45.4	(a)
TiO2	0.62	(a)
Al2O3	24.9	(a)
FeO	5.65	(a)
MnO	0.08	(a)
MgO	7.81	(a)
CaO	14.3	(a)
Na2O	0.46	(a)
K2O	0.12	(a)
P2O5		
S %		
sum		
Sc ppm	10.3	(a)
V		
Cr	840	(a)
Co	34.2	(a)
Ni	500	(a)
Cu		
Zn		
Ga	4.1	(a)
Ge ppb		
As		
Se		
Rb	4.6	(a)
Sr	200	(a)
Y		
Zr	300	(a)
Nb		
Mo		
Ru		
Rh		
Pd ppb		
Ag ppb		
Cd ppb		
In ppb		
Sn ppb		
Sb ppb		
Te ppb		
Cs ppm	0.37	(a)
Ba	130	(a)
La	12.6	(a)
Ce	31	(a)
Pr		
Nd	19	(a)
Sm	5.5	(a)
Eu	1.12	(a)
Gd		
Tb	1.14	(a)
Dy	6.9	(a)
Ho		
Er		
Tm		
Yb	3.9	(a)
Lu	0.6	(a)
Hf	4	(a)
Ta	0.43	(a)
W ppb		
Re ppb		
Os ppb		
Ir ppb	12.7	(a)
Pt ppb		
Au ppb	8	(a)
Th ppm	2.49	(a)
U ppm	0.63	(a)
technique:	*(a) INAA*	

Figure 2: Photo of 65926. Mm scale. S72-48069

Figure 3: Photo of 65927 with mm scale. S72-48062

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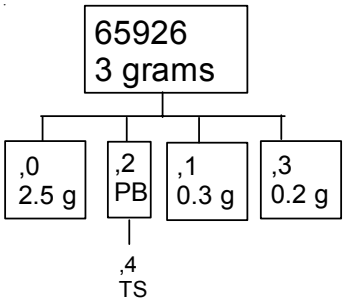
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