

**73151**  
Soil  
162 grams

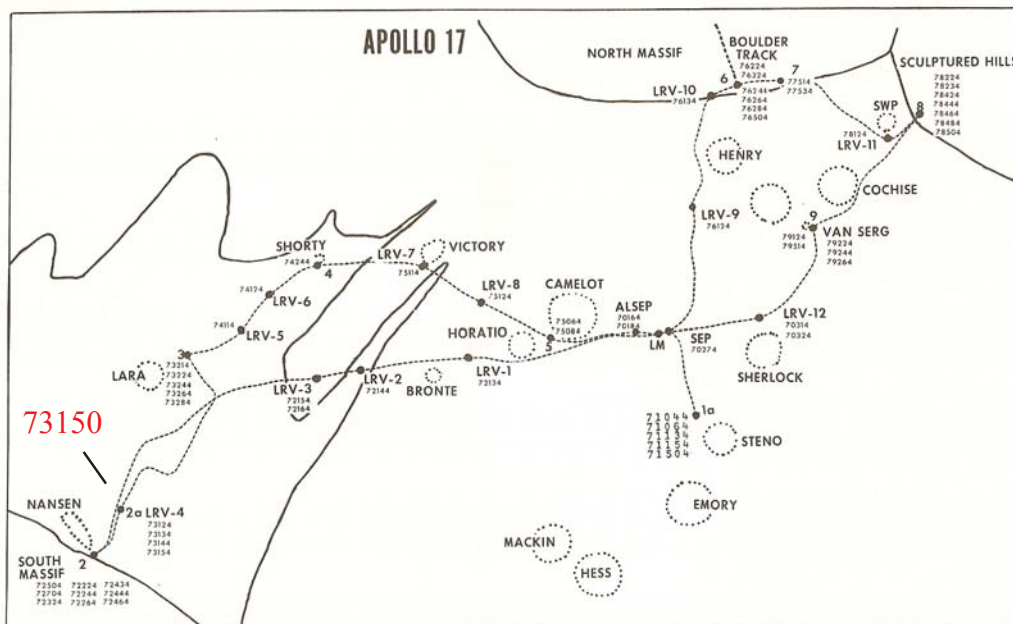


Figure 1: Location of soil sample 73150 at LRV-4 on Apollo 17 map (Meyer 1973). S73-24071

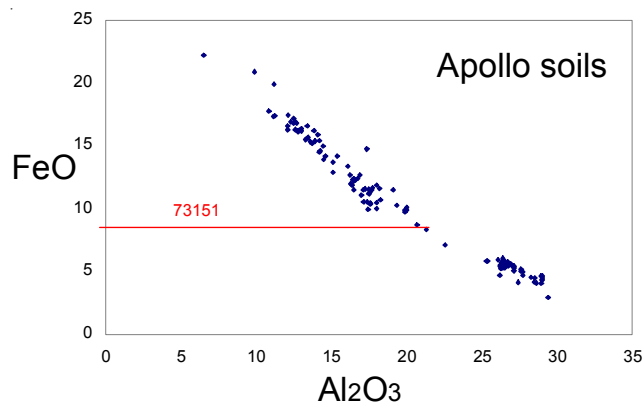


Figure 2: FeO content of 73151 compared with composition of Apollo soil samples.

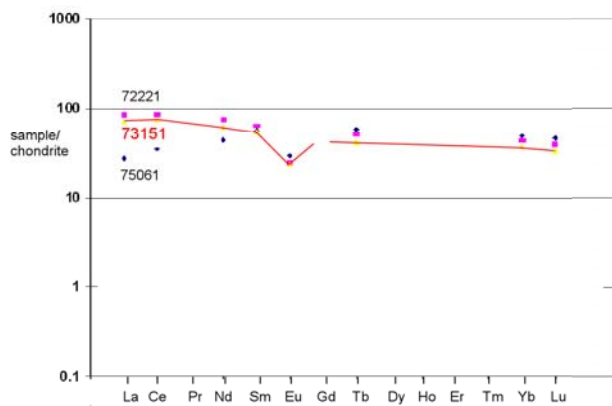
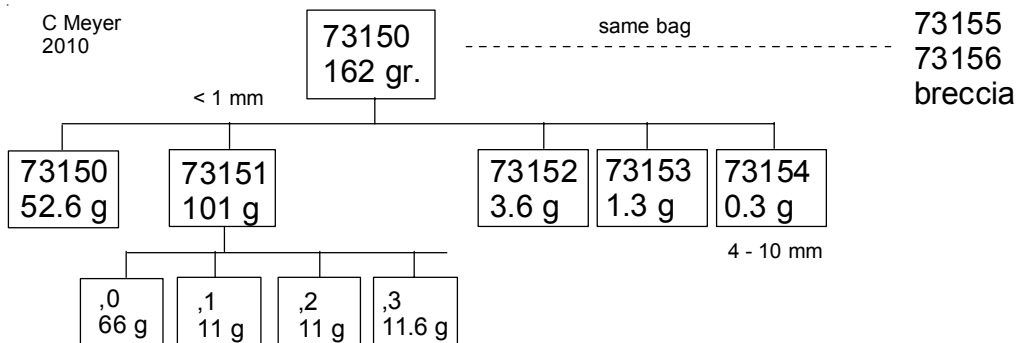


Figure 3: Normalized rare-earth-element diagram for 73151.



**Table 1. Chemical composition of 73151.**

reference	Korotev92		
weight			
SiO <sub>2</sub> %			
TiO <sub>2</sub>			
Al <sub>2</sub> O <sub>3</sub>			
FeO	8.6	8.38	(a)
MnO			
MgO			
CaO			
Na <sub>2</sub> O	0.442	0.42	(a)
K <sub>2</sub> O			
P <sub>2</sub> O <sub>5</sub>			
S %			
sum			
Sc ppm	18.8	18.7	(a)
V			
Cr	1580	1490	(a)
Co	32	30.7	(a)
Ni	249	317	(a)
Cu			
Zn			
Ga			
Ge ppb			
As			
Se			
Rb			
Sr	147	146	(a)
Y			
Zr	210	190	(a)
Nb			
Mo			
Ru			
Rh			
Pd ppb			
Ag ppb			
Cd ppb			
In ppb			
Sn ppb			
Sb ppb			
Te ppb			
Cs ppm			
Ba	188	176	(a)
La	16.8	14.9	(a)
Ce	44.6	39.6	(a)
Pr			
Nd	28	22	(a)
Sm	8.01	7.14	(a)
Eu	1.31	1.23	(a)
Gd			
Tb	1.5	1.44	(a)
Dy			
Ho			
Er			
Tm			
Yb	5.99	5.39	(a)
Lu	0.818	0.744	(a)
Hf	6.26	5.43	(a)
Ta	0.76	0.7	(a)
W ppb			
Re ppb			
Os ppb			
Ir ppb	9.6	10.2	(a)
Pt ppb			
Au ppb	4.3	4.1	(a)
Th ppm	2.8	2.56	(a)
U ppm	0.76	0.71	(a)
technique:	(a) INAA		

## Introduction

73150 is the soil collected along with breccia sample 73155 at LRV – 4 on the landslide material (figure 1).

## Petrography

Morris (1978) determined the maturity index ( $I_s/FeO = 68$ ) and Korotev and Kremser (1992) determined the chemical composition (figures 2 and 3).

## References for 73151

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