

10004

Sample 10004 consists of soil material which came from the second drive tube. It was taken from a location 20 feet northwest of the Lunar Module (LM). It penetrated to a depth of 13.5 cm, recovering 44.8 gm of material.

10004 was opened in the Bio-Prep Lab. It was determined that the material inside the drive tube had moved substantially due to the improper placement of a Teflon follower.

Due to the biological testing during the Lunar quarantine, one-half of the drive tube material was removed for study. As a result, little observation data exists as it was neither x-rayed nor dissected. It was reported that 10004 had a slightly lighter 2-5mm thick zone about 6 cm from the top of the core, which had a sharp upper boundary and a gradational lower boundary.

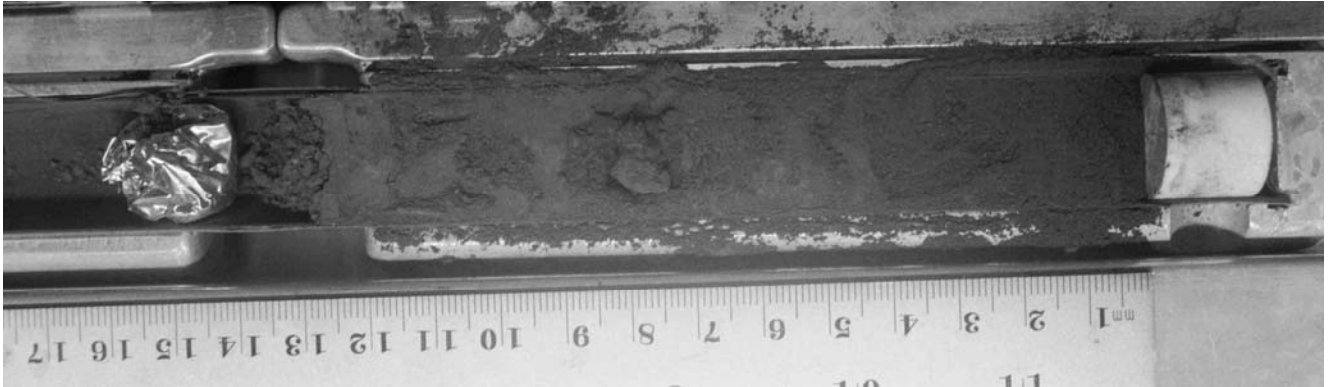
During PET examination, some of the material is 10004 was sieved. (Fig.15). However, the amount of material sieved is unknown and the sieve fractions obtained have been consumed in biological experiments.

HISTORY AND PRESENT STATUS OF SAMPLES – 10/6/76

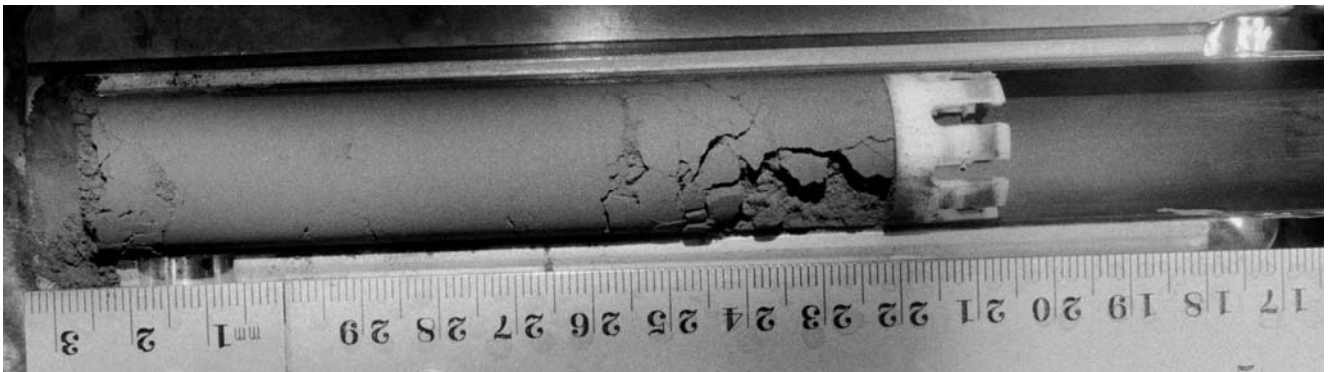
10004 was removed from the ALSRC 1004 in the Vac Lab. It was then transferred to the Bio-Prep Lab where it was opened and allocated to the Bio Pool.

0	14.954 gm	Core remainder. Vac-BP
15	0.157 gm	Fines. Vac-BP
16	0.157 gm	Fines. Vac-BP
37	2.15 gm	Core overflow. Vac-BP
38	0.44 gm	Fine. Vac-BP

Returned Samples – The largest returned sample is ,37 (2.15gm). The rest are less than 1gm in weight.



10004,0 Original PET Photo S-69-45536



10005,0 Original PET Photo S-69-45048

10004

CHEMICAL ANALYSES

Element	Number of Analyses	Mean	Units	Range
FeO	5	15.49	PCT	1.16
MnO	5	0.209	PPM	0.013
Li	2	19	PPM	2
Os	2	0.016	PPM	0.016
Hg	1	3	PPB	0
U	3	5.47	PPM	10.8
Te	1	0.1	PPM	0
Fe	2	372.5	PPM	295
Cl	2	27.5	PPM	21
Br	1	0.048	PPM	0

Analysts: Finkel et al., (1971); Reed & Jovanovic, (1971); Reed et al., (1971).

No Age References