



The bar plot shows the distribution of dry mass densities for 5 sample locations. The mass density is relatively constant across all 5 groups with an average of 2.76 g/cc. Sample OB60 is likely an outlier due to its metallic brown appearance suggesting a different mineral composition than the other samples. Megan Smith and her XRD team are measuring the mineralogy of selected samples to assist with our data analysis.

Borehole	Sample Name	Depth 1 (ft)	Depth 1 (meters)	Depth 2 (ft)	Depth 2 (meters)	Dry Mass Density (g/cc)
E1-I	I90	150.9	46.0	151.1	46.1	2.764
E1-I	I60	150.1	45.8	150.3	45.8	2.756
E1-I	I45	153	46.6	153.15	46.7	2.784
E1-I	I30	152.7	46.5	152.8	46.6	2.759
E1-I	I0	154.6	47.1	-	-	2.756
E1-OB	OB90	85.4	26.0	85.6	26.1	2.789
E1-OB	OB60	86.5	26.4	86.7	26.4	2.847
E1-OB	OB45	88.1	26.9	88.3	26.9	2.750
E1-OB	OB30	87.9	26.8	88.1	26.9	2.745
E1-OB	OB0	89.5	27.3	-	-	2.759
E1-P	P90	175.7	53.6	175.85	53.6	2.748
E1-P	P60	176.5	53.8	176.6	53.8	2.755
E1-P	P45	176.3	53.7	176.4	53.8	2.762
E1-P	P30a	176.2	53.7	176.3	53.7	2.760
E1-P	P10	175.9	53.6	176	53.6	2.751
E1-P	P0	176.7	53.9	176.9	53.9	2.768
E1-PDB	PDBd_x	51.4	15.7	-	-	2.770
E1-PDB	PDBb_y	51.8	15.8	-	-	2.768
E1-PDB	PDBe_z	51.1	15.6	51.3	15.6	2.772
E1-OB	OBa_x	195.4	59.6	-	-	2.746
E1-OB	OBd_y	195.2	59.5	195.3	59.5	2.739
E1-OB	OBc_z	196	59.7	196.2	59.8	2.759

		Avg Dry Mass Density (g/cc)
E1-I	Depth 150'-155'	2.764
E1-OB	Depth 85.5'-89.5'	2.778
E1-P	Depth 175' - 177'	2.760
E1-PDB	Depth 51'-52'	2.770
E1-OB	Depth 195'-196'	2.748
Total Average		2.764
Total Stdev.		0.022

Dry mass density measurements from 5 groups of samples. The “Depth” columns are depth along the borehole axis shown in core log photos. The two depths for each sample refer to the interval the plug was subcored from. If a second depth is not listed, the plug was subcored perpendicular to the core axis.