

Site	Surface	Surface age (kyr)	Laboratory core sample ID	Dynamic Young's modulus (GPa) calculated from Vp, Vs, density
Middle-Shepherd Creek	Q1	117	EP1-C01	16.14
Middle-Shepherd Creek	Q1	117	EP1-C02	19.08
Middle-Shepherd Creek	Q2a	77	EP2-C01	19.89
Middle-Shepherd Creek	Q2a	77	EP2-C02	18.87
Middle-Shepherd Creek	Q2a	77	EP2-C03	24.29
Middle-Shepherd Creek	Q2a	77	EP2-C04	28.69
Middle-Shepherd Creek	Q2a	77	EP2-C05	25.05
Middle-Shepherd Creek	Q2c	33	EP3-C01	28.77
Middle-Shepherd Creek	Q2c	33	EP3-C02	33.62
Middle-Shepherd Creek	Q2c	33	EP3-C03	25.57
Middle-Shepherd Creek	Q2c	33	EP3-C04	29.64
Middle-Shepherd Creek	Q2c	33	EP3-C05	30.05
Middle-Shepherd Creek	Q2c	33	EP3-C06	28.88
Middle-Shepherd Creek	Q2c	33	EP3-C07	27.42
Middle-Shepherd Creek	Q2c	33	EP3-C08	26.71
Middle-Shepherd Creek	Q3	21	EP4-C02	21.05
Middle-Shepherd Creek	Q4	6	EP5-C01	40.71
Middle-Shepherd Creek	Q4	6	EP5-C02	45.85
Middle-Shepherd Creek	Q4	6	EP5-C03	41.78
Middle-Shepherd Creek	Q4	6	EP5-C04	40.99
Middle-Shepherd Creek	Q4	6	EP5-C05	44.42
Middle-Shepherd Creek	Q4	6	EP5-C06	41.34
Middle-Shepherd Creek	MW	0	EP7-C10	31.08
Middle-Shepherd Creek	MW	0	EP7-C11	34.11
Middle-Shepherd Creek	MW	0	EP7-C4	32.73
Middle-Shepherd Creek	MW	0	EP7-C5	35.69
Middle-Shepherd Creek	MW	0	EP6-C01	14.80
Middle-Shepherd Creek	MW	0	EP6-C02	14.09
Middle-Shepherd Creek	MW	0	EP6-C03	12.11
Middle-Shepherd Creek	MW	0	EP6-C04	12.92
Middle-Shepherd Creek	MW	0	EP6-C05	17.04
Middle-Shepherd Creek	MW	0	EP6-C06	15.90
Middle-Shepherd Creek	MW	0	EP6-C07	14.95
Northernmost-Lundy Canyon	Tce	15	LC1-C1	54.01
Northernmost-Lundy Canyon	Tce	15	LC1-C2	49.75
Northernmost-Lundy Canyon	Tce	15	LC1-C3	47.79
Northernmost-Lundy Canyon	Tce	15	LC1-C4	47.34
Northernmost-Lundy Canyon	LCTiO	18	LC2-1C	49.72
Northernmost-Lundy Canyon	LCTiO	18	LC2-1C	46.18
Northernmost-Lundy Canyon	LCTiO	18	LC2-2C	26.65
Northernmost-Lundy Canyon	LCTiO	18	LC2-2C	35.63
Northernmost-Lundy Canyon	LCTiO	18	LC2-3C	51.64
Northernmost-Lundy Canyon	LCTiO	18	LC2-4C	53.95
Northernmost-Lundy Canyon	LCTiO	18	LC2-5C	48.33

Northernmost-Lundy Canyon	LCTiO	18	LC2-6C	51.67
Northernmost-Lundy Canyon	LCTiO	18	LC2-8C	55.56
Northernmost-Lundy Canyon	LCTiO	18	LC2-9C	51.11
Northernmost-Lundy Canyon	LCTiO	18	LC2-9C	45.27
Northernmost-Lundy Canyon	MW	0	LC3-1C	53.45
Northernmost-Lundy Canyon	MW	0	LC3-3C	68.32
Northernmost-Lundy Canyon	MW	0	LC3-4C	76.77
Northernmost-Lundy Canyon	MW	0	LC3-6C	44.14
Northernmost-Lundy Canyon	MW	0	LC3-6C	75.06
Northernmost-Lundy Canyon	MW	0	LC3-8C	65.21
Northernmost-Lundy Canyon	MW	0	LC3-9C	78.66
Northernmost-Lundy Canyon	BCTa	148	LC4-C1	25.43
Northernmost-Lundy Canyon	BCTa	148	LC4-C2	29.55
Northernmost-Lundy Canyon	BCTa	148	LC4-C2	38.85