

sample ID	rock type	ultrasonic Vp m per s	ultrasonic Vs m per s	UCS MPa	PL index MPa	LAC g per t	LBC pct	CAI unitless	BRA tensile MPa
C1_01A	marl	1579.0	1043.0		0.4			0.54	
C1_01C	marl	2421.5	1450.8	9.2	2.0	34.0	45.1	0.49	5.1
C1_01F	marl	2873.6	1957.6	25.4	0.8			0.46	
C1_01G	marl	1498.7	986.4	26.6	1.2	31.8	46.3	0.60	3.0
C1_01H	marl							0.52	
C1_01I	marl							0.42	
C1_01J	marl							0.53	2.3
C1_01L	marl	3112.4	2053.3	15.3	0.2			0.51	
C1_02A	sandstone	1454.3	1010.3	34.5					
C1_02B	sandstone	1931.7	1289.5	35.5	0.6	100.2	52.0	0.68	4.1
C1_02C	sandstone	1356.1	794.2		3.5			0.84	5.2
C1_02D	sandstone	2217.4	1545.0	45.7					
C1_02E	sandstone	2636.8	1829.6	22.5	1.3	132.0	65.9	0.51	3.1
C1_02F	sandstone	1473.9	839.6	17.1					
C1_02G	sandstone	2560.4	1809.7	31.5	1.1	227.8	82.4	1.07	2.0
C1_02I	marl	3296.4	1933.6		2.1			0.49	
C1_02J	marl	3172.1	2242.0	61.8	2.4			0.45	4.2
C1_03A	marl	1441.5	945.7		0.4	72.8	93.2	0.51	0.7
C1_04A	siltstone			62.1					
C1_04B	marl			55.0					
C1_04C	sandstone	3508.0	2418.7	32.9	2.9	103.2	43.5	0.49	3.0
C1_04D	sandstone	2864.4		40.8	2.2	183.0	62.9	0.80	4.8
C1_04E	sandstone	856.4	578.0	33.9		53.6	47.6	0.67	4.8
C1_04F	sandstone	4063.0	2870.6	54.8	1.0			0.75	4.3
C1_06A	sandstone	2778.2		25.9	1.6			0.73	3.9
C1_06B	sandstone	3186.5		23.1	2.0	126.6	74.5	0.80	5.4
C1_06C	sandstone	2332.5		18.1	1.1			0.68	2.4
C1_06D	sandstone	1505.6	1063.5	29.3					
C1_08A	sandstone	908.8	642.5					1.08	1.7
C1_08B	sandstone	2019.0	1386.7	23.1	0.7	98.2	99.4	0.52	1.3
C1_08C	sandstone	1539.5	1068.4	16.4					
C1_08D	sandstone	3085.4	2180.6	72.3		282.3	54.6	1.18	6.2
C1_10A	siltstone	2166.9	1528.9	18.1					
C1_10C	sandstone					37.4	50.7	0.64	5.2
C1_12A	siltstone	2027.3	1368.0	29.0				0.72	
C1_12B	sandstone	3336.0	1667.5	53.9		150.6	54.6	0.85	5.5
C1_12C	sandstone	2707.9	1494.0	46.1	3.3			0.87	5.2
C1_12D	sandstone	1381.8	950.7	18.3					
C1_12E	sandstone	1954.4	1381.7	14.3	0.4	58.2	99.7	0.84	0.7
C1_12F	sandstone			15.5				0.70	1.6
C1_12G	sandstone	1791.1	1115.7	17.9	0.5	51.2	99.9	0.57	1.2
C1_13A	sandstone	1165.4	822.5	14.6					
C1_13B	sandstone	1714.3	1211.8	7.7	0.2			0.65	1.1
C1_13C	sandstone	1826.9		11.4	0.4	52.4	99.9	0.71	0.6
C1_14A	sandstone	1863.4	1050.2	47.9	2.2			0.68	2.0
C1_15B	sandstone	3050.3		48.1	3.5	203.2	57.9	0.78	4.7
C1_15C	sandstone	1530.3	1072.5					0.61	4.6
C1_15D	conglomeratic siltstone	2082.0	1336.4	37.9					
C1_15E	sandstone	1929.5	1363.8					0.64	5.1
C1_16A	siltstone			23.6					
C1_17A	sandstone	2564.4	1593.6	27.2	0.3			0.68	4.0
C1_17B	sandstone	2476.3	1517.4	30.1	1.5			0.95	
C1_17C	sandstone	1790.8	1048.5	36.4					
C1_17D	sandstone	2182.4		19.8	0.5			0.61	2.7
C1_17F	marl	2357.4	1593.9	18.5		34.4	43.0	0.70	
C1_18A	marl	3402.4		45.2		69.6	41.8	0.79	
C1_18B	sandstone	3312.5	2246.8	34.7				0.77	5.2
C1_18C	sandstone	2615.2	1383.1	52.9					
C1_18D	sandstone	2657.4	1773.5	45.6	2.0			0.62	4.3
C1_19A	sandstone	3137.4		40.4	1.6	206.2	92.3	0.62	2.2
C1_19B	sandstone	1464.3	965.5	17.4					
C1_19C	sandstone	1993.5	1408.7	17.4					
C1_19D	sandstone	2001.6	1286.0	11.5	1.0			0.50	1.3
C1_19E	marl	1753.5	1238.0		0.9				4.9
C2_01A	sandstone	2592.3	1832.1	44.8	2.0			0.71	
C2_01B	sandstone	3240.6		34.9	1.8	224.4	97.8	0.75	3.2
C2_01D	sandstone	1961.8	1386.9	13.3	0.2			0.64	
C2_02A	marl	4213.8		97.1		61.8	40.1	0.70	7.3
C2_02B	marl	3106.8	2195.7	58.6	2.2			0.43	5.4
C2_02C	marl	3683.1	2603.3	59.2	3.0			0.56	4.3
C2_03A	sandstone	1871.7	1321.4	18.8					
C2_03B	sandstone	3280.3		43.1	2.8			1.35	4.7
C2_04A	sandstone	1820.4	1212.7	16.3				0.59	
C2_04B	sandstone	2652.2	1874.9	23.9	1.8			0.81	
C2_04C	sandstone	2665.1		51.3	2.6	169.0	64.9	0.60	3.0
C2_04D	marl	2589.0	1702.8	26.0	1.2			0.55	2.0
C2_04E	sandstone	4439.3		85.3	2.6			1.53	7.0
C2_04F	sandstone	1745.8	1183.9	10.1					
C2_05B	marl							0.00	
C2_05C	sandstone	2877.6	2027.8	42.5	2.5			0.53	5.0
C2_05E	sandstone	3405.0		30.7	2.0			0.65	3.9
C2_05F	sandstone	3620.2	2559.1	60.4	3.4	130.0	53.6	0.85	6.2
C2_06A	sandstone	3320.1		27.9	1.9			1.24	4.2
C3_01A	conglomeratic siltstone	1217.6	829.5	54.9					
C3_01B	marl	3308.3		43.9	2.0	50.2	43.0	0.57	4.3
C3_01C	marl	3051.0			0.8			0.57	
C3_01D	marl	3210.0	2238.4	21.2	3.0			0.00	
C3_01X	sandstone	1468.4	889.2	25.5					
C3_02B	marl	3051.0	2049.3	27.2	1.3			0.81	5.6
C3_02C	sandstone	3690.2	2275.5	78.2	2.6			1.04	
C3_02D	sandstone	3626.4	2182.3	35.0	2.4	67.4	51.2	0.56	5.0
C3_02E	sandstone	2926.5	2058.3	35.7	2.2			0.55	3.8
C3_03D	siltstone	946.5	609.1	25.2					
C3_04A	marl	34785.0		23.3	2.2	39.6	41.6	0.26	5.5
C3_04C	marl	2373.7	1677.2					0.51	6.1
C3_05A	marl	3226.6	2230.2	31.6				0.45	
C3_05B	marl	3082.2	2178.6	38.2	1.0			0.46	4.0
C3_05C	marl	3416.4		32.6	2.7			0.62	5.3
C3_05D	conglomeratic siltstone	1989.2	1403.6	37.9					

C5_01A	marl							0.52	
C5_01C	marl	2436.2	1290.4		0.6			0.67	2.5
C5_01E	sandstone	2463.7		37.8	1.4	90.8	83.0	0.52	2.7
C6_01A	sandstone	2696.2		29.5				0.43	2.5
C6_01B	sandstone	2393.9	1434.9	25.0	1.1	79.8	72.1	0.48	2.2
C6_01C	sandstone	1690.7	1193.9	30.9					
C6_01D	sandstone	3266.2	1649.5	27.5					
C6_01E	marl	2136.4	1245.9	15.4	1.4			0.46	2.7
C6_01F	marl	2157.5	1524.5					0.48	1.6
C6_01G	sandstone	2845.9		32.3	1.0			0.48	2.4
C7_01B	marl	1393.6	985.0		1.6			0.43	
C7_01C	marl	1601.3	1129.0		1.1			0.40	
C7_01D	marl	2648.0		19.5	2.6			0.72	3.0
C7_01F	sandstone	2773.7		18.9				0.48	2.2
C7_01G	sandstone	2303.0	1556.8	33.5	1.7	82.2	63.7	0.48	2.0
C7_01H	sandstone	1677.0	1053.0	37.0					
C7_01I	sandstone	1581.5	1072.9	36.6	1.5			0.53	1.8
G1_01	sandstone	2714.6	1825.0						
G1_02	sandstone	3443.1	2426.2						
G1_03	sandstone	2740.8	1934.2						
G1_05	siltstone	3734.2	2624.5						
G1_06	conglomeratic siltstone	4171.8	2734.5						
G1_08	sandstone	2276.1	1605.3						
G1_09	HC-sandstone	2272.1	1602.3						
G1_10	siltstone	4023.3	2692.6						
G1_11	silty sandstone	3376.2	2302.5						
G1_12	conglomeratic siltstone	3770.6	2537.6						
G1_13	siltstone	3813.5	2476.5						
G1_14	conglomeratic siltstone	2624.5	1510.1						
G1_15	conglomeratic siltstone	4252.6	2752.7						
G1_16	sandstone	3857.3	2216.9						
G1_17	conglomeratic siltstone	3744.3	2485.7						
G1_18	siltstone	4487.4	2898.6						
G1_18b	Hc-sandstone	2409.8	1663.3						
G1_19	sandstone	3118.6	2199.2						
G1_20	conglomeratic sandstone	3545.1	2280.0						
G1_21	sandstone	4374.1	2714.3						
G1_22	conglomeratic sandstone	4210.0	2961.8						
G1_23	sandstone	4178.7	2946.0						
G1_24	sandstone	3820.6	2447.1						
G1_26	silty conglomerate	3776.6	2299.6						
G1_27	silty carbonate	5075.2	2912.5						
G1_36	conglomeratic siltstone	3707.4	2330.8						
G1_37	carbonate	5356.6	3069.2						
G1_38	conglomerate	4960.3	3167.1						
G1_39	carbonate	5463.5	3839.2						
G1_70	sandstone	2507.8	1695.3						
G1_HC	HC-sandstone	2295.0	1457.1						
G2_01	siltstone	4127.9	2462.3						
G2_02	sandy siltstone	3853.3	2584.6						
G2_02b	siltstone	3470.2	2442.0						
G2_03	sandstone	3955.6	2778.5						
G2_04	sandstone	1779.6	1254.9						
G2_05	siltstone	3660.7	2411.8						
G2_06	sandstone	3295.1	2170.3						
G2_07	siltstone	2982.4	2048.5						
G2_08	silty sandstone	3659.9	2491.5						
G2_09	silty conglomerate	4345.0	2790.5						
G2_10	silty conglomerate	2295.5	1620.7						
G2_11	silty conglomerate	3686.6	2428.1						
G2_20	sandy siltstone	3579.7	2299.2						
G2_21	siltstone	3665.5	2448.6						
G2_22	silty sandstone	4424.4	2760.0						
G2_23	silty sandstone	3677.7	2366.4						
G2_26	siltstone	2280.3	1608.1						
G4_01	sandstone	2022.9	1427.4						
G4_02	sandstone	3809.0	2523.1						
G4_03	siltstone	3475.5	2212.3						
G4_04	sandstone	2075.0	1463.9						
G4_05	silty sandstone	3192.9	2059.1						
G4_06	sandstone	2715.2	1876.4						
G4_07	sandstone	2006.9	1411.1						
G4_08	sandstone	3649.7	2387.5						
G4_09	sandstone	1935.4	1366.2						
G4_10	conglomeratic siltstone	3305.4	2169.0						
G4_11	siltstone	3482.9	2312.6						
G4_12	sandstone	4093.5	2888.3						
G4_13	conglomeratic siltstone	3949.1	2492.8						
G4_14	sandy siltstone	4264.7	3007.2						
G4_15	sandstone	3809.0	2449.8						
G4_16	sandstone	3428.6	2257.2						
G4_17	sandstone	2159.7	1512.1						
G4_18	sandstone	3098.1	2052.4						
G4_19	sandstone	4543.9	2667.3						
G4_20	siltstone	3600.0	2268.3						
G4_21	sandstone	3910.5	2578.7						
G4_22	sandstone	3667.8	2269.8						
G4_24	siltstone	3908.7	2478.3						
G4_25	siltstone	4335.1	3055.3						
G4_26	conglomeratic sandstone	3776.6	2279.7						
G4_27	limestone	6643.2	4251.6						
G4_42	sandstone	2310.0	1590.8						
G4_43	sandstone	2260.7	1595.3						
G4_44	sandstone	2133.6	1506.8						
G4_46	sandstone	4234.4	2943.4						
G4_47	siltstone	3703.5	2333.0						
G5_10	sandstone	2137.2	1411.1						
G5_11	sandstone	3205.4	2191.9						
G5_12	sandstone	2402.4	1695.4						
G5_13	sandstone	3340.9	2195.8						

G5_14	carbonate	2519.8	1753.6						
G5_17	sandstone	3602.6	2228.1						
G5_18	sandstone	1923.8	1358.0						
G5_19	sandstone	1313.4	897.6						
G5_20	sandstone	3471.3	2347.5						
G6_01	siltstone	3877.9	2738.4						
G6_10	sandstone	2395.1	1655.7						
G7_02	conglomeratic siltstone	3554.7	2506.4						
G7_02b	conglomeratic siltstone	3672.6	2593.0						
G7_03	sandstone	3665.3	2290.0						
G7_04	sandstone	3153.6	2006.8						
G7_05	sandstone	2540.5	1761.9						
G7_06	silty sandstone	3772.8	2660.0						
G7_07	sandstone	4487.5	3031.1						
G7_08	conglomeratic siltstone	3183.9	2248.2						
G7_09	sandstone	2285.2	1518.8						
G7_10	silty conglomerate	3751.9	2349.9						
G7_11	sandstone	2365.8	1652.7						
G7_12	conglomeratic siltstone	3272.6	2073.3						
G7_13	sandstone	2180.6	1525.8						
G7_15	conglomeratic siltstone	4683.4	3305.1						
G7_16	sandstone	3307.0	2328.3						
G7_17	sandstone	3197.5	2082.3						
G7_19	sandstone	2116.5	1493.3						
G7_21	conglomeratic siltstone	5552.6	3731.2						
G7_22	conglomeratic siltstone	6095.7	3504.6						
G7_23	siltstone	3469.6	2132.6						
G7_24	sandstone	4159.2	2931.7						
G7_25	sandstone	3468.4	2445.0						
L112_01B	siltstone	5333.3	3746.3						
L112_01D	carbonate	6096.4	3593.7						
Montfleury_11	sandy gravel					32.0	97.3		
Montfleury_15	marl							0.49	
Mornex_middle_p1	gompholite	6485.7	3725.1						
Mornex_right_p1	gompholite	5326.9	3751.1	20.6					
Mornex_right_p2	gompholite	5123.4	3559.7						
Mornex_single_rock_p1	gompholite	5050.0	2957.9						
Pei_I_01A	sandstone	1458.2	895.2	37.8	1.3	90.0	75.6	0.69	4.5
Pei_I_01B	sandstone	3117.0	2166.8	65.1	2.6	181.0	64.8	1.29	
Pei_I_01C	sandstone	2824.8	1709.8	33.1					
Pei_I_02A	sandstone	2252.5	1592.0	27.9	1.2	41.8	51.3	0.61	3.8
Pei_I_02B	sandstone	2939.4	2078.0	40.0	1.5	59.0	53.4	0.52	3.7
Pei_I_02C	siltstone	5702.5	3769.9						
Pei_I_03A	marl			25.1		13.2	45.6	0.70	
Pei_I_03B	marl	2202.5	1182.2		1.5	9.8	49.5	0.47	2.7
Pei_I_03C	siltstone	1219.5	703.0						
Pei_I_03D	marl	2811.5	1848.7	14.5		6.8	49.0	0.75	
Pei_I_04A	marl	1875.0	1325.4	16.5	1.0	17.2	46.6	0.45	
Pei_I_04B	marl	2697.8	1705.0	10.8	0.4	26.8	47.6	0.29	2.5
Pei_I_04C	conglomeratic siltstone	2536.1	1565.5	21.8					
Pei_I_04D	marl	1875.8	1258.2		2.0			0.65	
Pei_I_05A	HC-sandstone				2.1	549.9	89.3	0.83	3.9
Pei_I_05B	HC-sandstone	2961.1	2078.3	11.2					
Pei_I_05C	HC-sandstone	2910.6	2057.7	17.4				0.70	
Pei_I_06A	conglomerate			44.6		75.8	42.3	0.37	
Pei_I_06B	conglomerate							0.78	
Pei_I_06C	conglomeratic siltstone	2851.7	1644.7	28.7					
Pei_I_06D	conglomerate				0.7	42.2	40.5	0.74	2.9
Pei_I_07A	sandstone	1899.7	1342.8	19.7	0.9	142.8	99.8	0.52	2.3
Pei_I_07B	sandstone	2353.2	1460.1	21.2	1.4	87.6	89.8	0.40	2.2
Pei_I_07C	sandstone	2025.4	1430.1	14.1					
Pei_I_08A	sandstone				0.7	105.8	100.0	1.29	
Pei_I_08B	sandstone			6.4				0.63	1.6
Pei_I_08C	sandstone	2272.4	1604.9						
Pei_I_09A	sandstone	1813.4	1199.9	10.4	0.6	40.8	100.0	0.45	1.7
Pei_I_09B	sandstone	1707.2	1206.5	10.5	0.7	65.8	99.5	0.64	
Pei_I_09C	sandstone	3949.6	2451.5	79.7	3.7	322.6	56.8	1.41	10.2
Pei_I_09D	sandstone	2181.1	1385.5	13.8					
Pei_I_10A	marl	1862.5	1316.0	23.2	1.1	134.4	52.4	0.77	
Pei_I_10B	marl				1.6			0.61	2.9
Pei_I_10C	conglomeratic siltstone	2479.5	1629.9	18.5					
Pei_I_11A	marl			20.2		17.0	43.9	0.39	
Pei_I_11B	marl				1.9	13.2	44.4	0.46	4.2
Pei_I_11C	marl	2748.9	1628.0	23.2					
Pei_I_11D	marl	2550.4	1509.3		1.6			0.81	
Pei_I_12A	marl			57.5	2.9	30.6	41.3	0.40	
Pei_I_12B	marl				2.6	51.8	42.6	0.36	4.2
Pei_I_12C	siltstone	3017.7	2119.1	46.6					
Pei_I_12D	marl	1812.9	906.2		1.2			0.64	
Pei_I_13A	sandstone	2212.7	1560.5						
Pei_I_13B	sandstone	1570.6	973.6		0.5			0.52	1.6
Pei_I_13C	sandstone	2060.4	1187.7	10.3	0.5	129.0	99.7	0.58	1.1
Pei_I_14A	siltstone	2675.7	1885.7						
Pei_I_14B	marl			27.7	2.1	42.4	41.0	0.31	
Pei_I_14C	marl				1.0			0.29	4.5
Pei_I_14D	marl	2356.9	1665.0	43.9	4.0	31.4	45.5	0.49	6.9
Pei_I_14E	siltstone	2091.7	1475.9						
Pei_I_14F	marl			14.6	1.2			0.25	
Pei_I_15A	marl				0.7			0.31	
Pei_I_15B	marl				1.0			0.21	3.0
Pei_I_15D	marl	3098.1	2189.3	27.5	3.3	70.0	42.7	0.47	
Pei_I_15E	marl	2900.3	1990.9	35.0	1.5	18.2	43.1	0.34	3.1
Pei_I_15F	sandstone	2941.3	2016.3	29.9					
Pei_I_16A	sandstone	2948.6	1909.4	45.8	2.4	259.7	87.3	1.02	4.6
Pei_I_16B	sandstone	1346.3	800.3	8.6	0.3	217.1	99.3	0.57	
Pei_I_16C	sandstone				0.1			0.62	0.7
Pei_I_16D	sandstone	2234.4	1411.0	7.4					
Pei_I_17A	marl	1591.0	1059.4	14.9	1.5			0.36	2.9
Pei_I_17B	sandstone	3180.3	2247.0	27.1					
Pei_I_17C	marl			42.1	1.5			0.46	

Pei_I_17D	sandstone			16.0	1.2			0.40	
Pei_I_17F	marl	2577.7	1288.5	28.5	1.7	204.8	97.2	1.16	2.5
Pei_I_18A	sandstone	2006.5	1418.1	63.3	4.1			1.28	7.8
Pei_I_18B	sandstone	2304.1	1534.5	10.0					
Pei_I_18C	sandstone			9.5	0.5			0.58	
Pei_I_19A	sandstone	2814.3	1989.4	23.8	3.1	326.0	81.6	1.65	5.6
Pei_I_19B	conglomeratic siltstone	2766.2	1951.2	27.3					
Pei_I_19C	siltstone	3850.2	2681.8	32.3					
Pei_I_20A	sandstone			14.2	1.0			0.63	
Pei_I_20B	sandstone	2276.7	1609.4		2.4			2.34	3.1
Pei_I_20C	sandstone	3438.0	2428.6	39.7					
Pei_I_20D	marl	2922.8	1853.2	27.4	1.0			0.79	3.8
Pei_I_20E	marl			46.9	2.8	138.0	51.1	0.45	
Pei_I_20F	marl				3.0			0.54	2.3
Pei_I_20G	marl	3738.5	2041.6	49.0	3.1			0.89	
Sarzin_real_p1	siderolithique	3007.2	2118.7	5.0					
Sarzin_real_p2	siderolithique	2456.7	1416.9	6.3					
Sarzin_zufall_p1	siderolithique	2362.7	1665.9						
Verney_left_p1	coaly sandstone	2676.4	1712.2						