

MAD (Moisture and Density) Logsheet - Balance and pycnometer measurements

Exp. 396

Site/Hole

1566 A

page 1

IG-NORE

dry density
measurements

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm ³	Pycnomet. cell #	Comments
4R-1	48-50	TSB 11080731	put back in core	—	13.100 13.0894	4.899	1	the cutting sample, was NOT soaked porosity assumed 2.634 g/cc
4R-1	88-90	PMAC core soaked	—	—	—	—	—	Soaking PMAC
4R-1	140-143	sample from the bottom	put back to core	—	17.846	6.5	2	2.746 g/cc samples put back to core
4R-3	top	sample from top	put back to core	—	6.383	2.130	3	2.997 g/cc —
5R-1	28-30	sample from top	back to core	—	15.335	5.172	4	2.965 g/cc —
5R-2	10-13	from bin 2	back to core	—	3.324	1.214	2	2.738 g/cc smaller piece (out of two in bin 2)
5R-2	10-13	OTHER 11060861	back to core	—	7.694	3.113	3	2.558 g/cc larger sample with vein
5R-2	57-63	OTHER 11060894	—	—	15.633	6.647	5	2.352 g/cc confound rate, sample back to core
4R-2	21-23	TSB 11060901	—	—	12.031	4.791	6	2.511 g/cc sample for thin sect.
5R-2	129	OTHER 11060981	—	—	14.573	7.364	1	2.658 g/cc back to core
6R-1	8-10	OTHER 11060991	—	—	6.412	2.193	3	perme (?) not soaked 2.787 g/cc back to core

GR1 37/39

0

—

17,244

6.402

4

granite

2.694 g/cc

MAD (Moisture and Density) Logsheet - Balance and pycnometer measurements

Exp. 396

August 17, 2021

Site/Hole

1566 A

Page 2

IGNORE

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm ³	Pycnomet. cell #	Comments
GR1	91- 94	OTH01061011 sample	0	—	12.379	5.437	1	back to core 2.266 g/cc
GR2	11- 12	cut OTH11061131	0	—	17.248	9.056	2	$V_p = 2.27 \frac{cm^3}{m^3}$ multiple veins, no visible pore space, but
GR2	120 126	piece OTH11061121	0	—	20.001	7.649	4	2.615 g/cc to core
GR2	101 102	QIND11061491	0	—	9.374	5.084	5	red beds 1.8438 g/cc $V_p = 1804.8 m^3$
GR1	18/20	QIND11061451	0	—	11.629	4.890	6	red beds 2.378 g/cc
GR1	88 90	core 11060731	0	18.883				was soaking for 4 hours, need 18, back in water
GR2		August	18, 2021					
FR1	129 130	OTH11066291 sample from 16	0	—	8.067	3.206	1	2.51 g/cc sample back to core
GR1	130 132	OTHER 11066301	0	—	14.914	6.470	2	2.305 g/cc middle piece (out of 3) back to core
GR2	19 25	11066311 lin 4	0	—	15.43	7.223	3	2.136 g/cc red bed
GR3	77 80	OTH11066351 lin 6	0	—	11.432	3.954	4	2.89 g/cc

GR1 83
86

lin 8

0

—

7.136

2.174

5

2.88 g/cc

MAD (Moisture and Density) Logsheet - Balance and pycnometer measurements

Page 3

Exp. 396

Aug. 18, 2021

Site/Hole

1566A

IGNORE

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm ³	Pycnomet. cell #	Comments
9R 2	107 100	OTHR 11067131 error in label offset 1-110	0	—	13.661	5.488	2	sample from bin 13 red bed 2.489 g/cc
9R 3	66 68	OTHER 11067131 sample 8	0	—	16.326	6.717	3	2.431 g/cc
9R 3	140 142	OTHER 11067131 smaller piece in bin 18	0	—	14.746	5.386	4	2.738 g/cc
10 R 2	56 57	small sample in bin 4 OTHER 11067291	0	—	6.382	2.174	5	2.935 g/cc
11 R 1	60 62	smaller sample from bin 7 OTHER 11067341	0	—	5.378	1.672	6	altered granite 3.215 g/cc mass measured twice
11 R 1	126 127	OTHER 11067421	0	—	6.738	2.500	1	small piece above wood in bin 14 2.695 g/cc
11 R 2	60 62	OTHER 11067441	0	—	7.419	3.448	2	small piece without label in bin 5 2.1517 g/cc
11 R 2	65 66	OTHER 11067451	0	—	4.376	1.925	3	small sample from bin 6 2.2157 g/cc
12 R 1	66 68	OTHER 11067461	0	—	4.867	2.186	4	Section, the larger of two from bin 12 2.2264 g/cc
12 R 1	106 107	OTHER 11067471	0	—	3.442	1.549	5	small piece of steel from bottom of bin 15 2.222 g/cc
12 R 2	29 31	OTHER 11067481	0	—	17.064	7.207	6	piece 5 2.368 g/cc

Exp. 396

Site/Hole 1566A

page 4

IGNORE

[illegible]