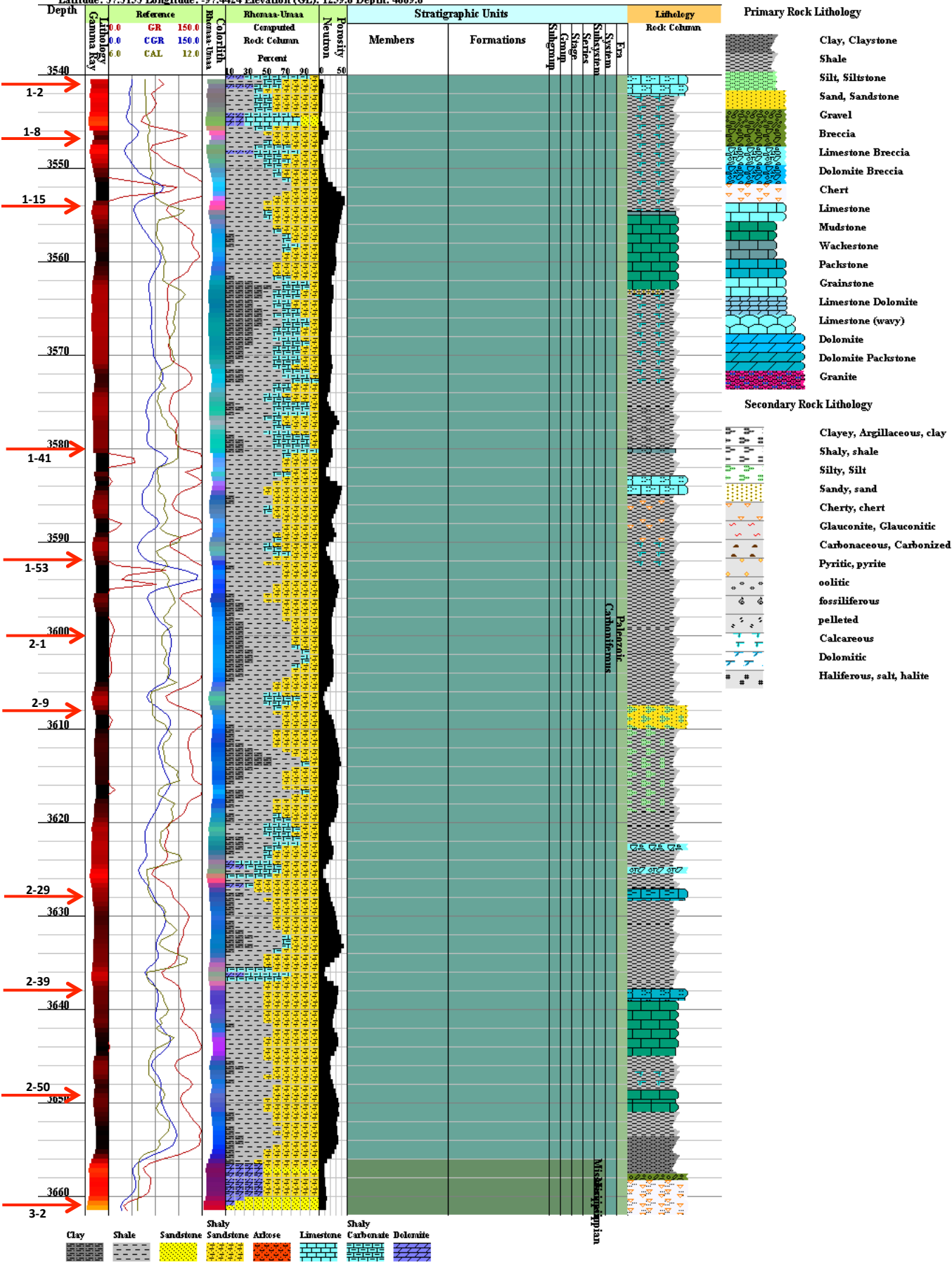


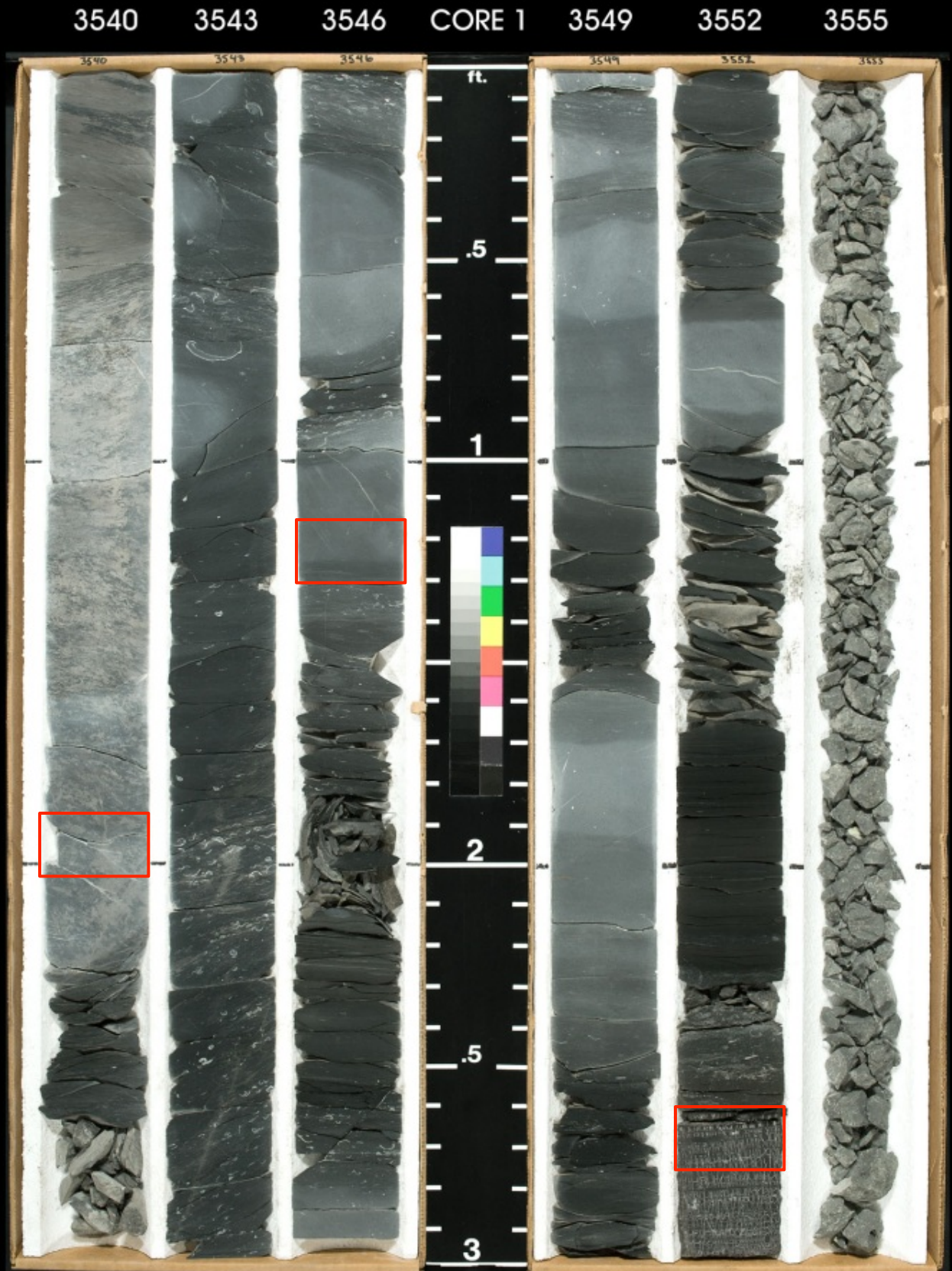
Core Plug Images

Robinson Barker's Master Thesis
2012

Supplemental File 1

Core plug depths are referenced to stratigraphic profile of KGS 1-32 and slabbed core photos. See Appendix A for core plug descriptions.





3558

3561

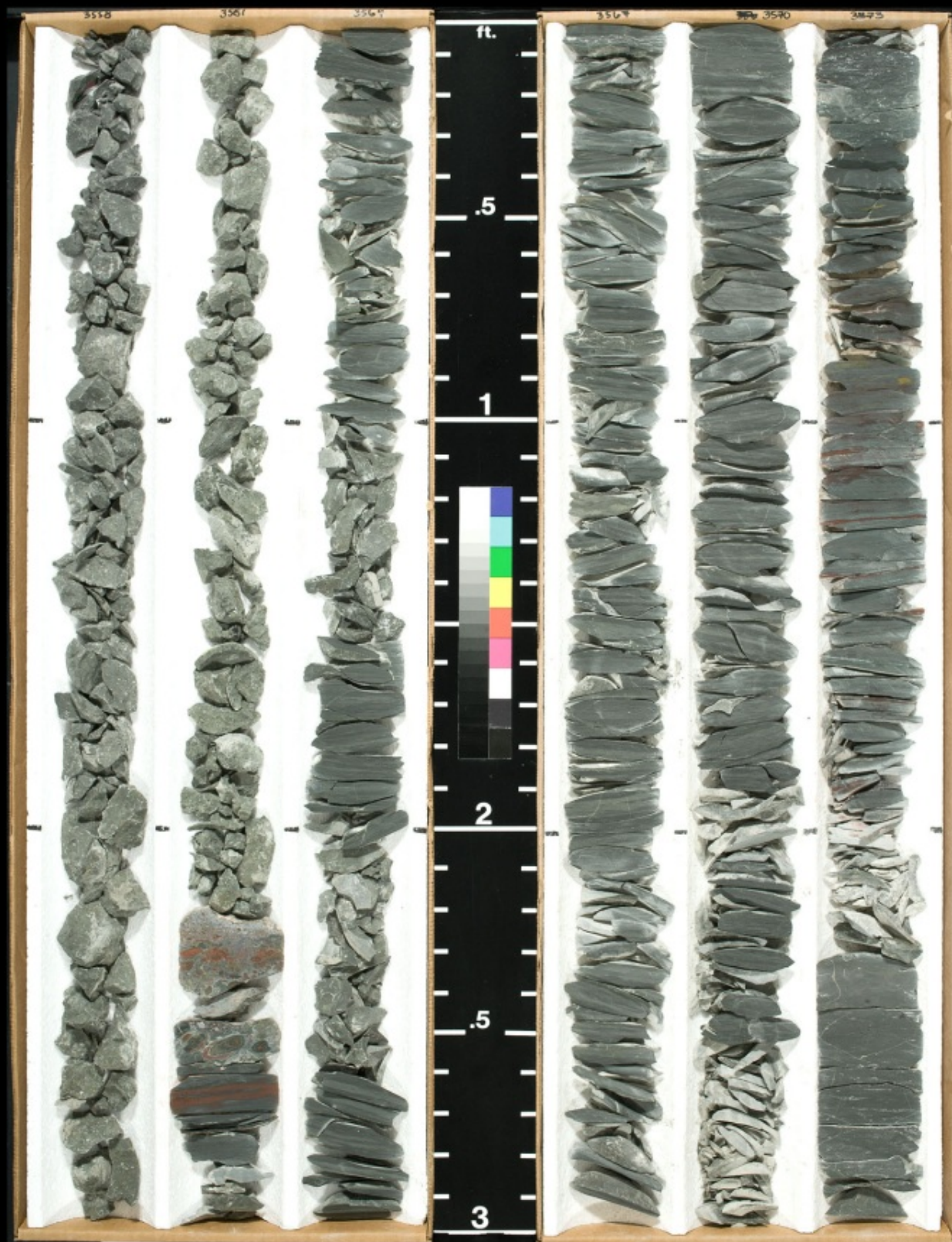
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CORE 1

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3570

3573



3576

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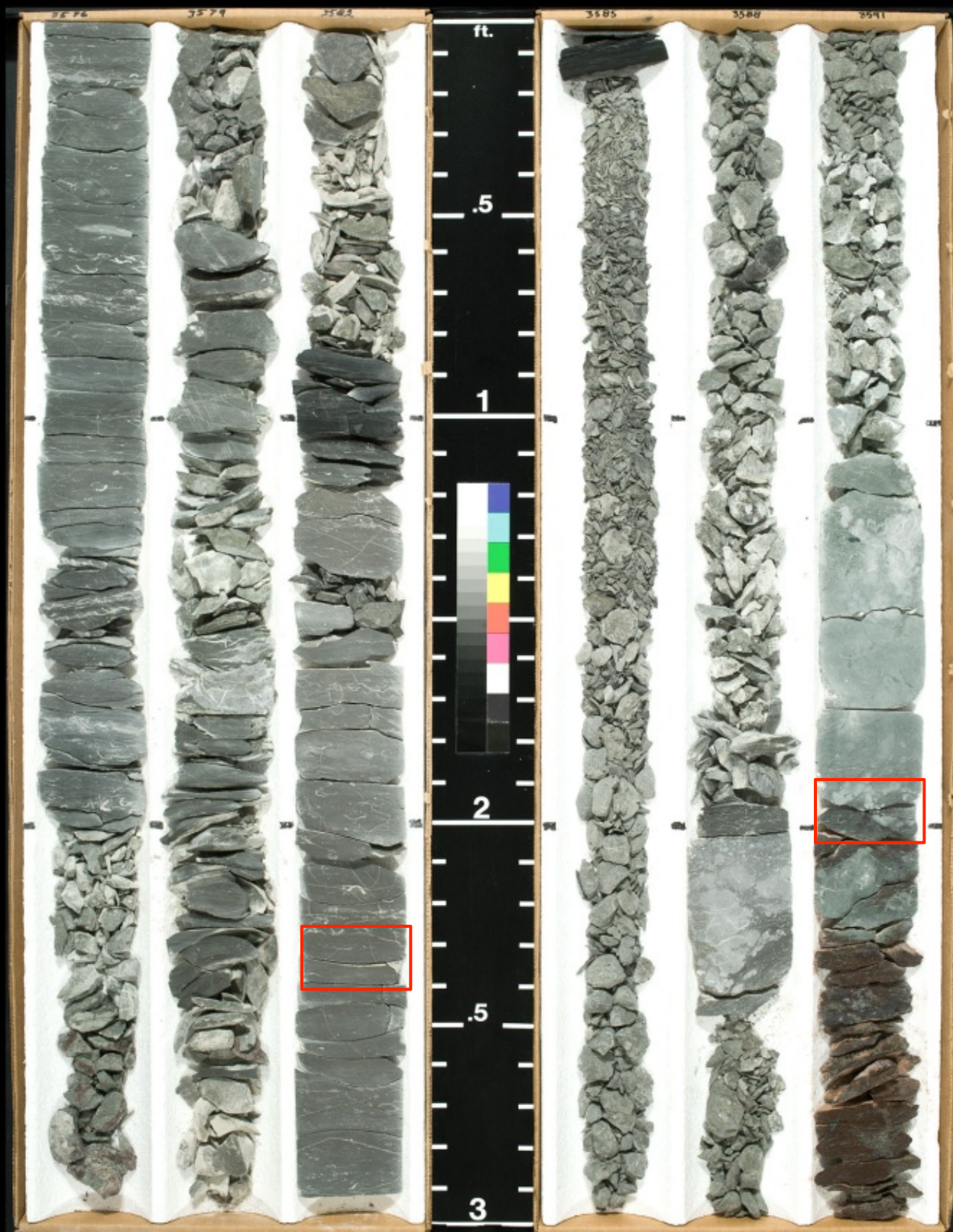
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CORE 1

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3591



3594

3597

CORE 1



3600

3603

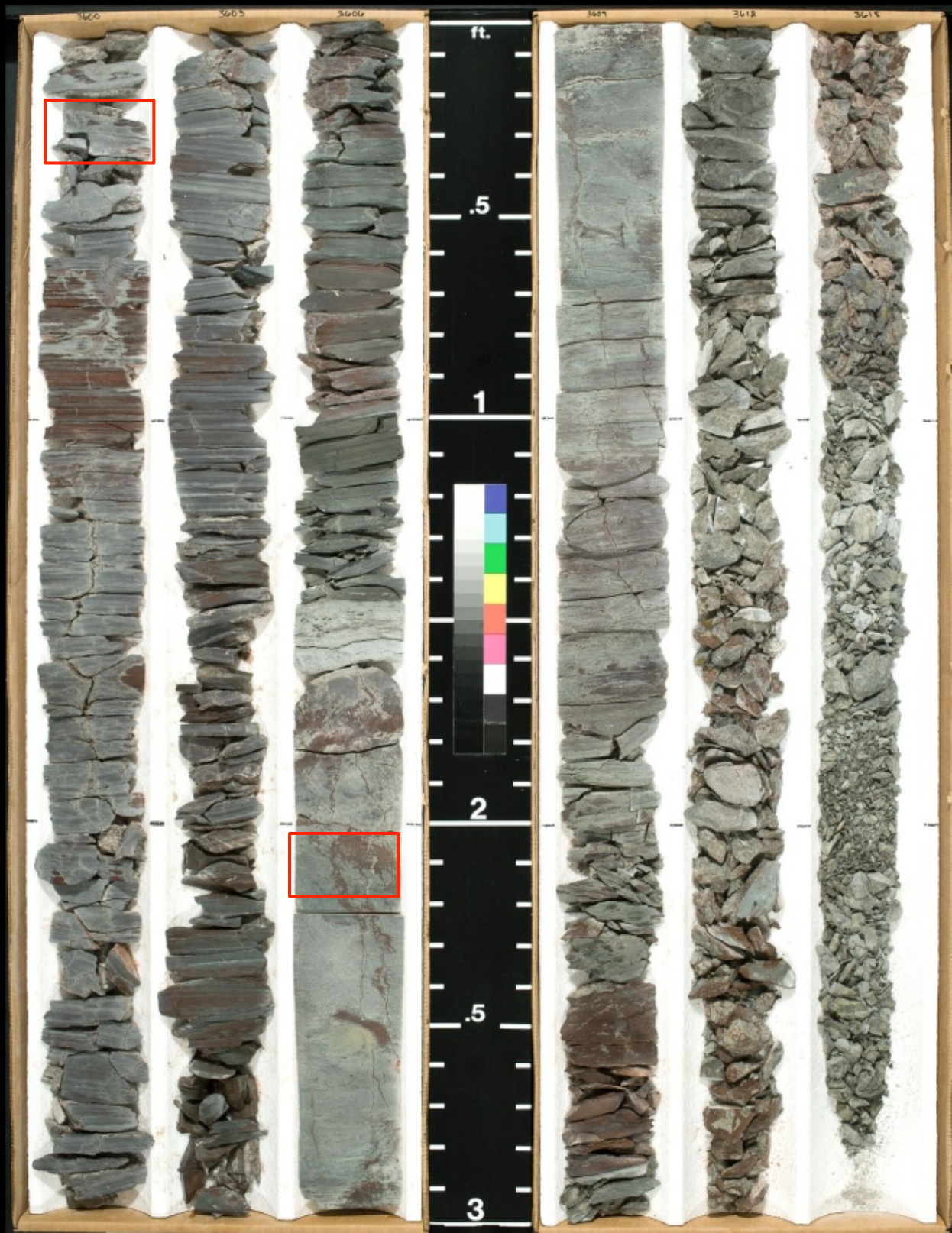
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CORE 2

3609

3612

3615



3618

3621

3624

CORE 2

3627

3630

3633



3636

3639

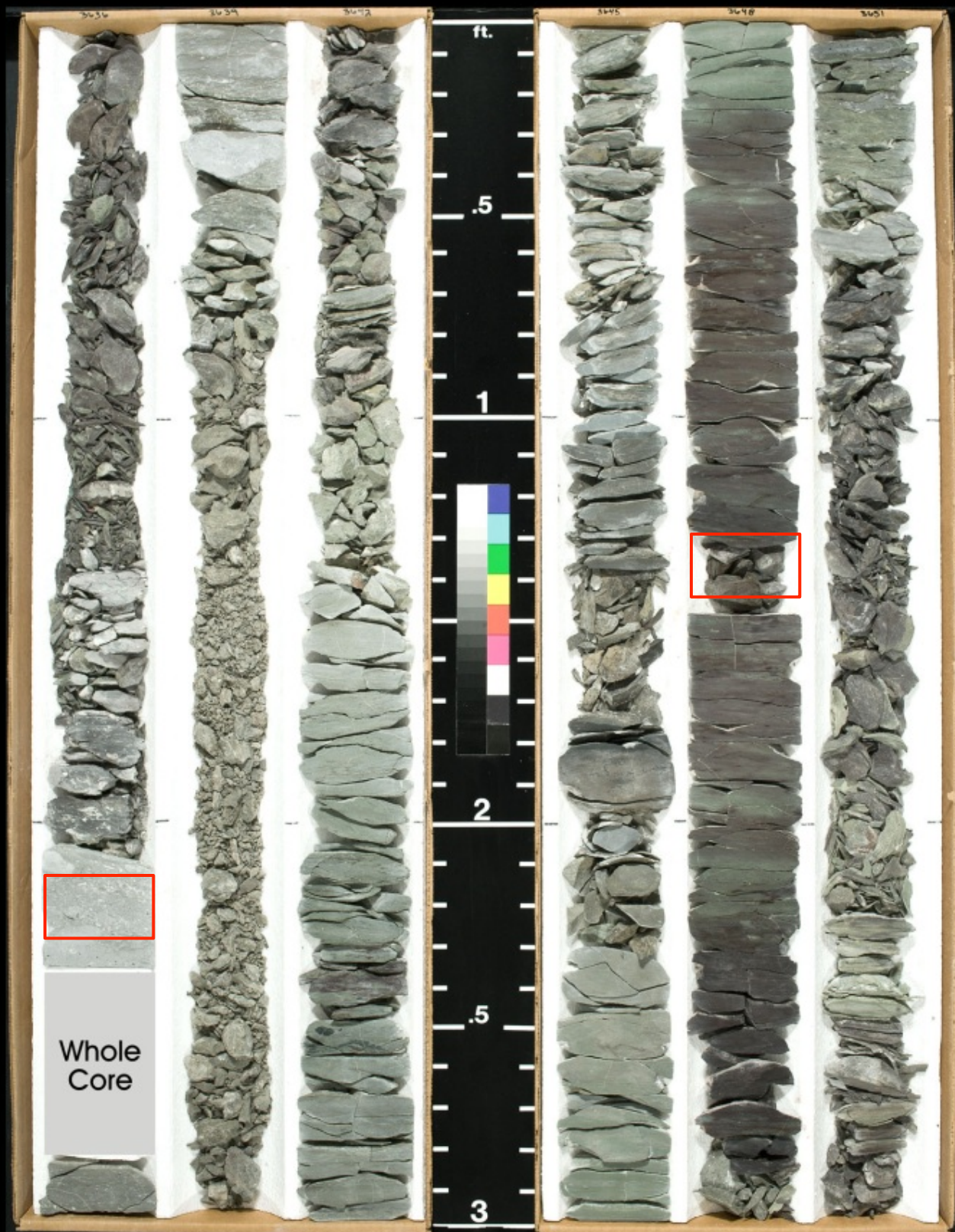
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CORE 2

3645

3648

3651



3654

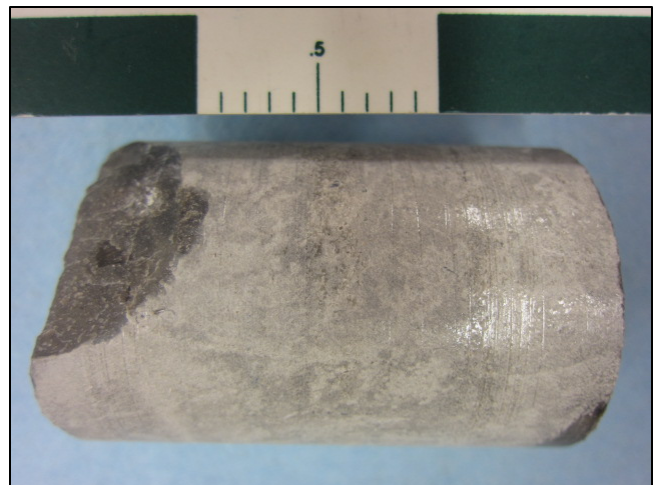
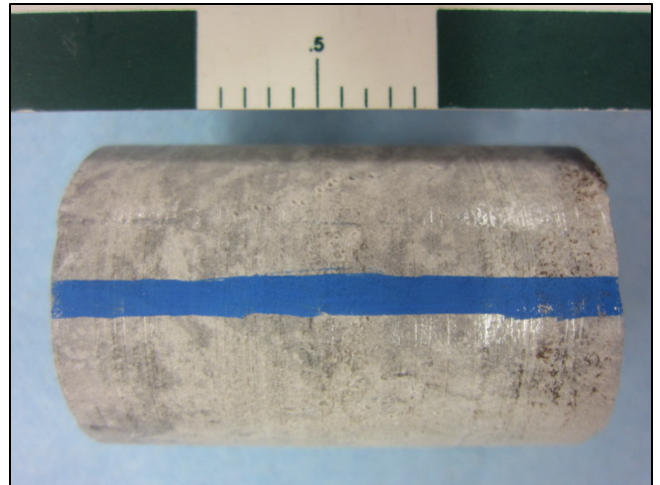
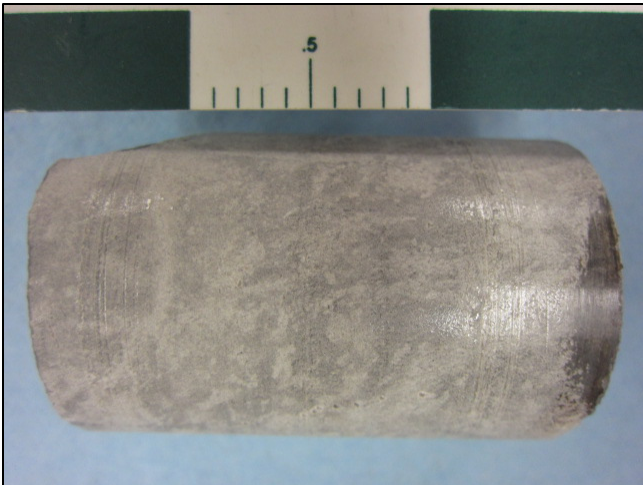
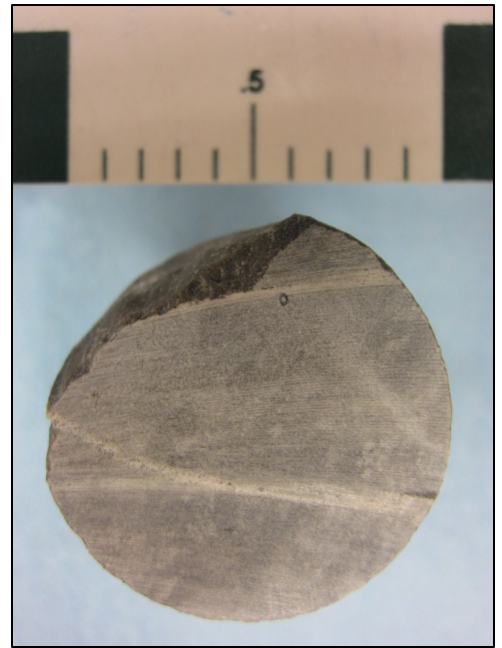
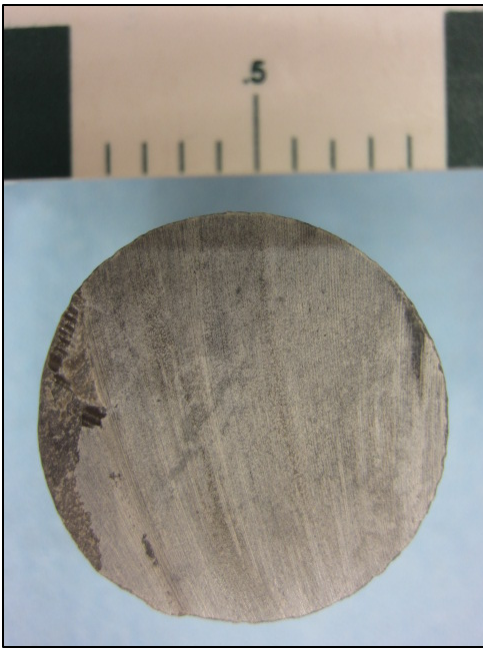
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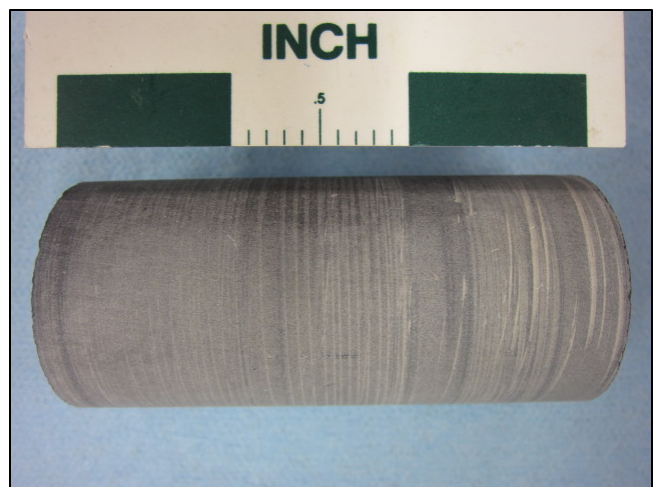
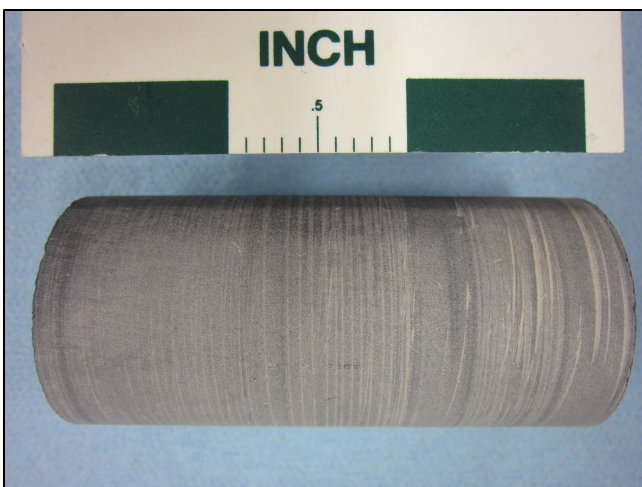
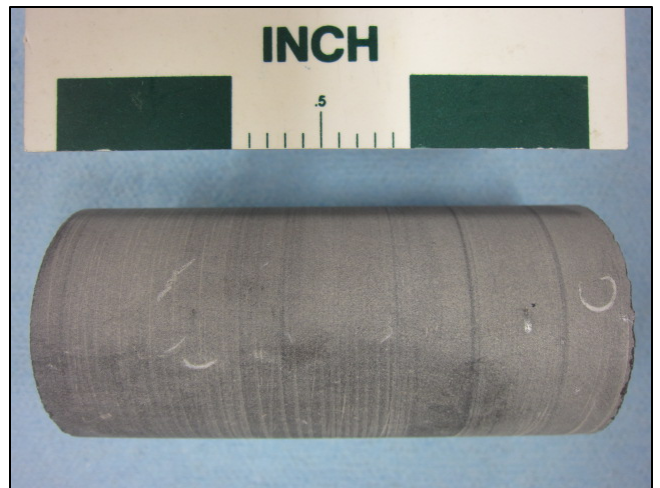
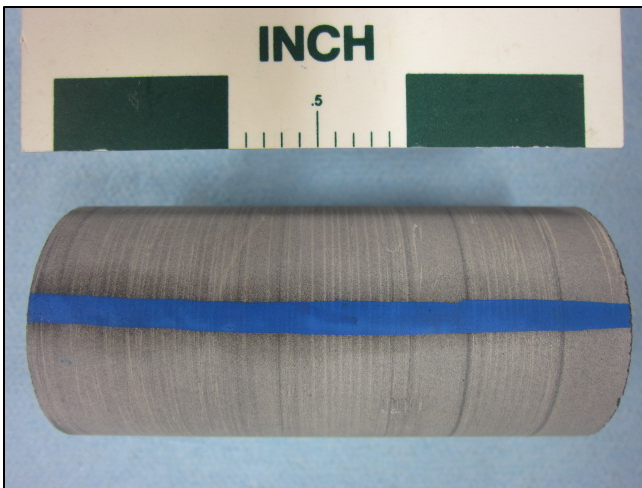
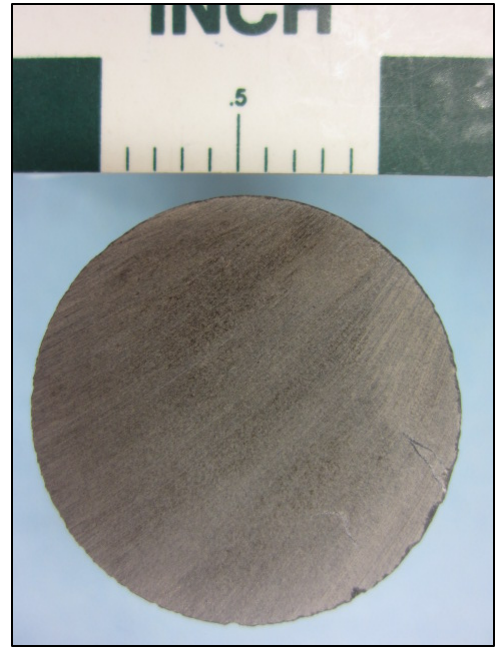
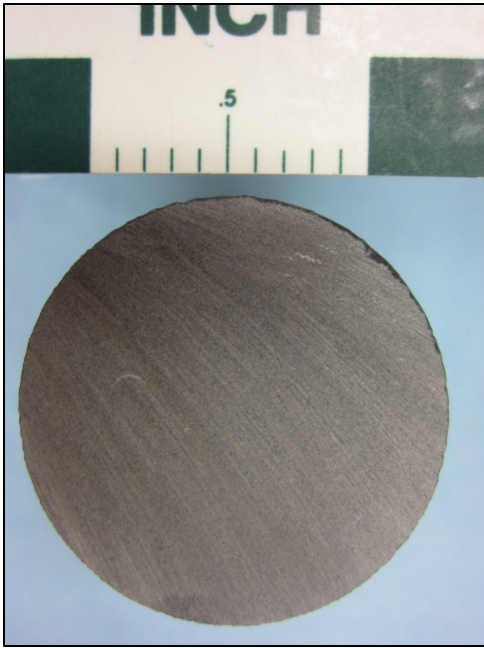
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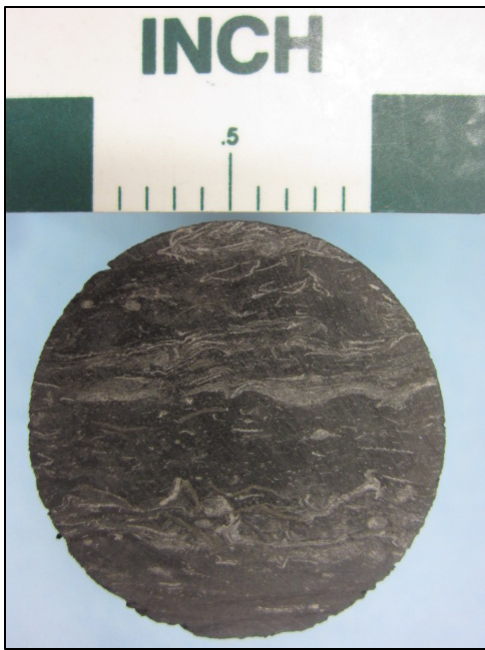


1-2
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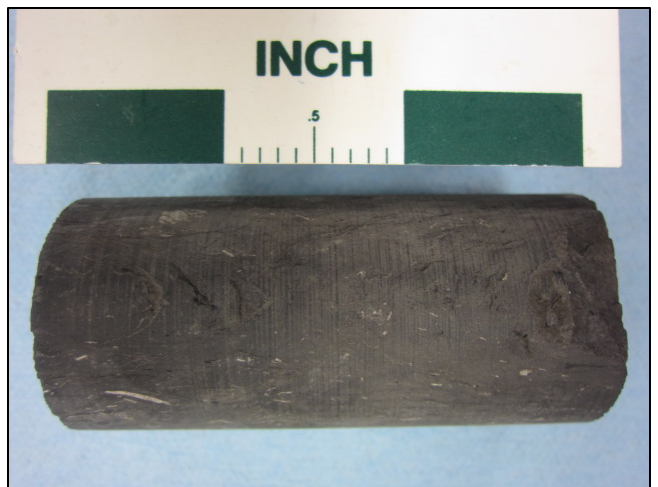
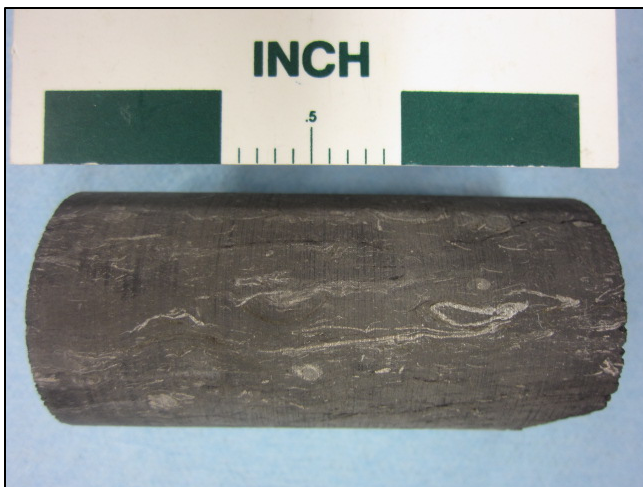
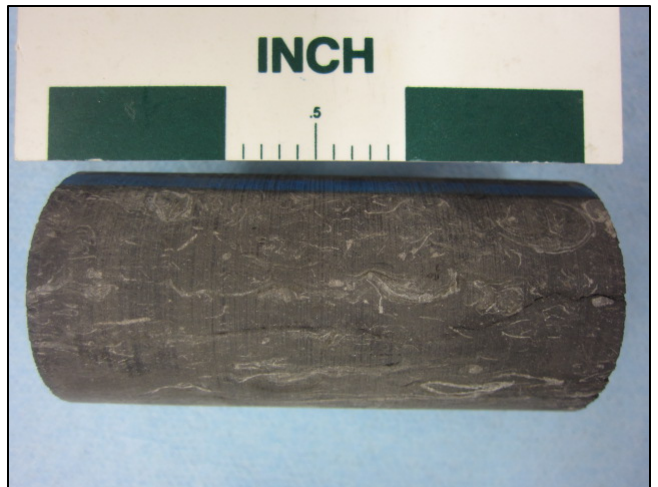
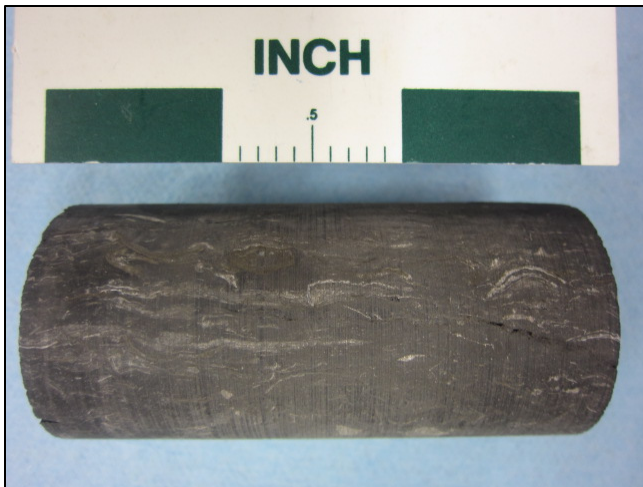
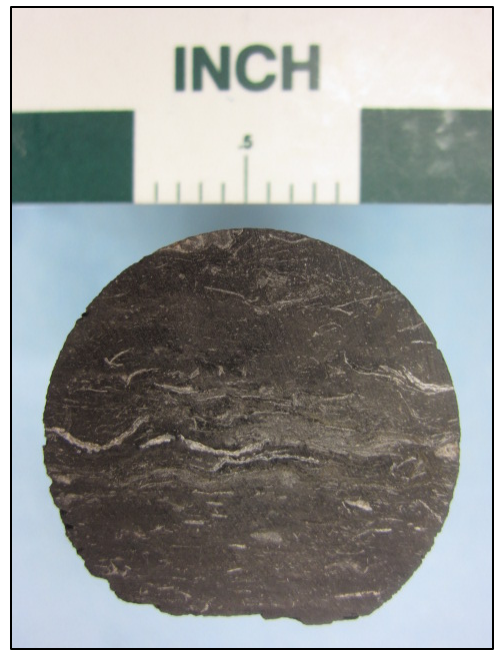


1-8
3547.3'



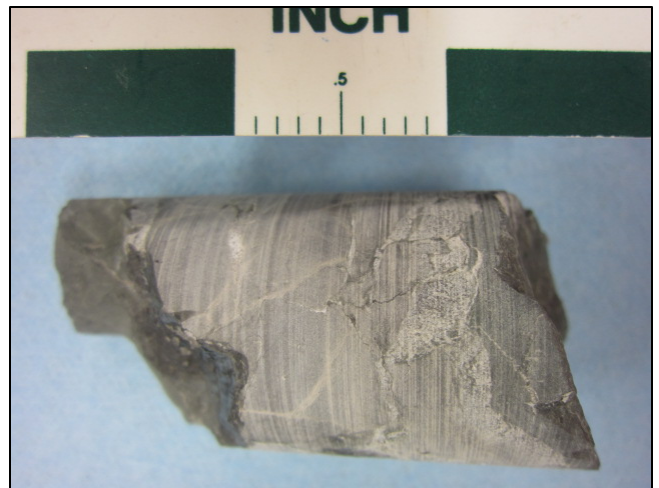


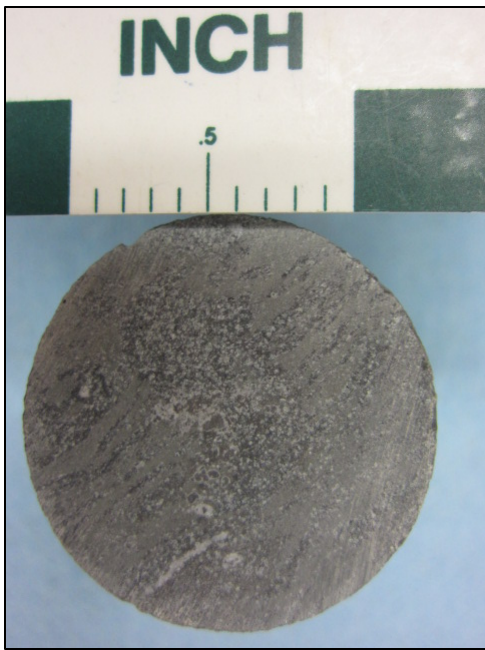
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3554.6'



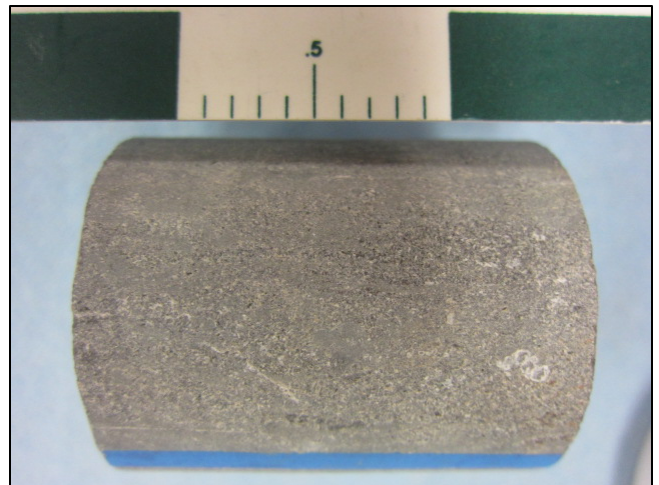
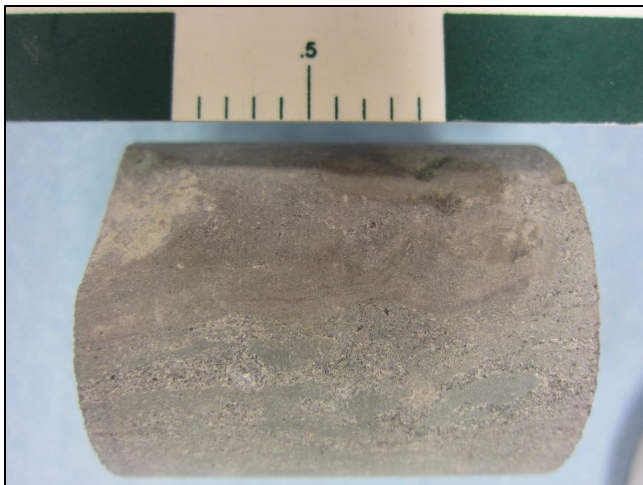
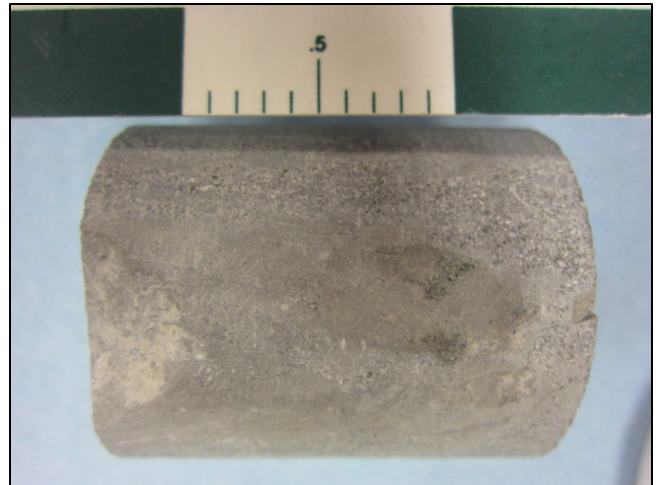
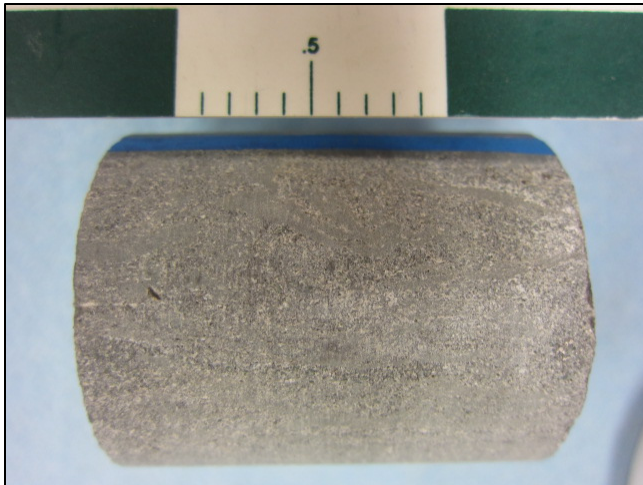
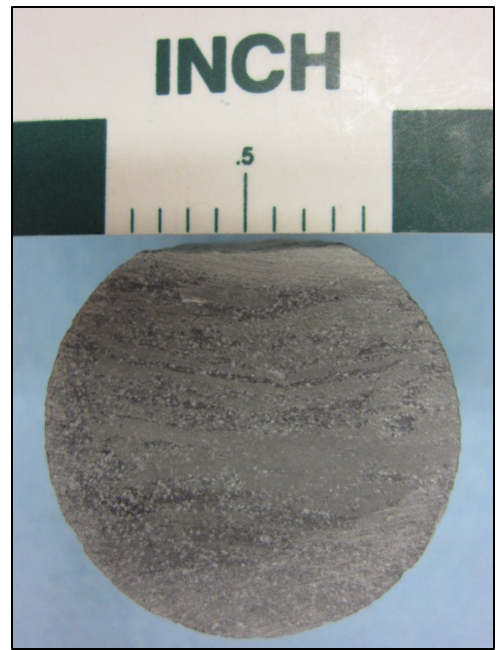


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3580.3'





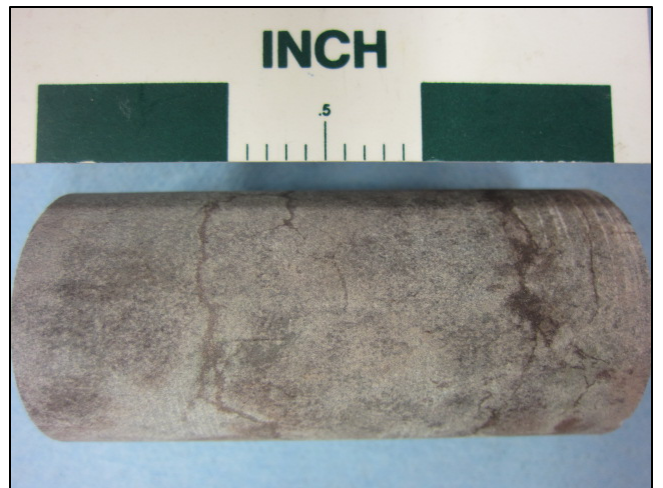
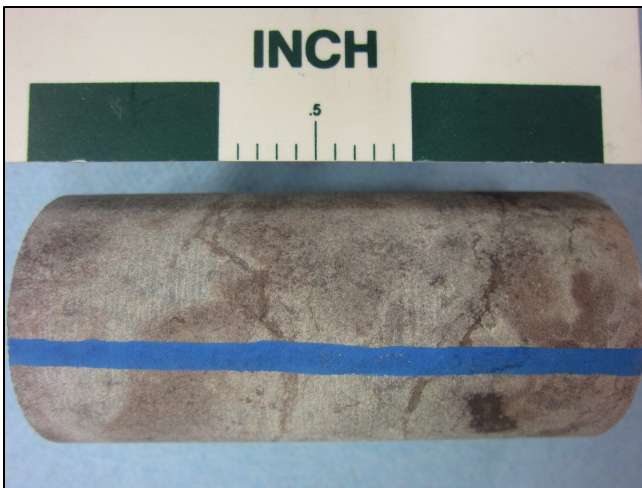
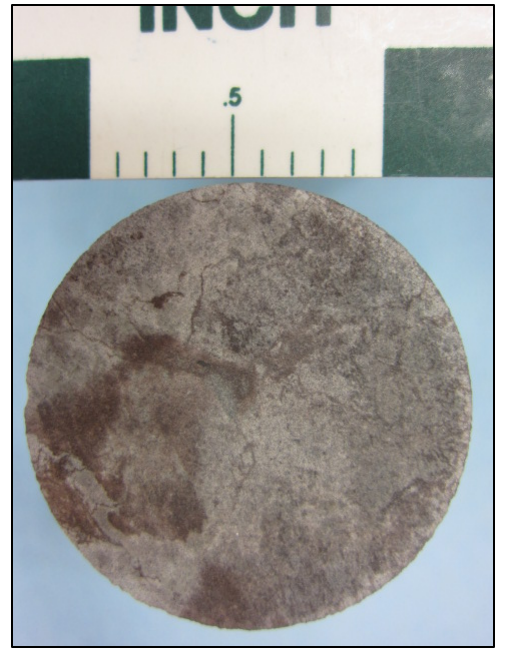
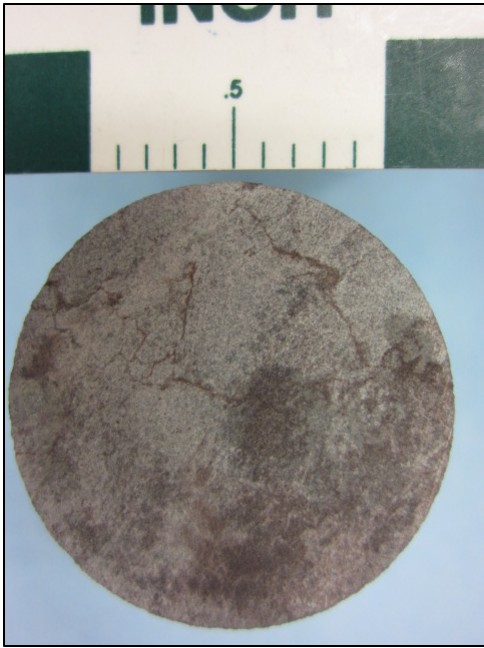
1-53
3592.9'



2-1
3600.3'

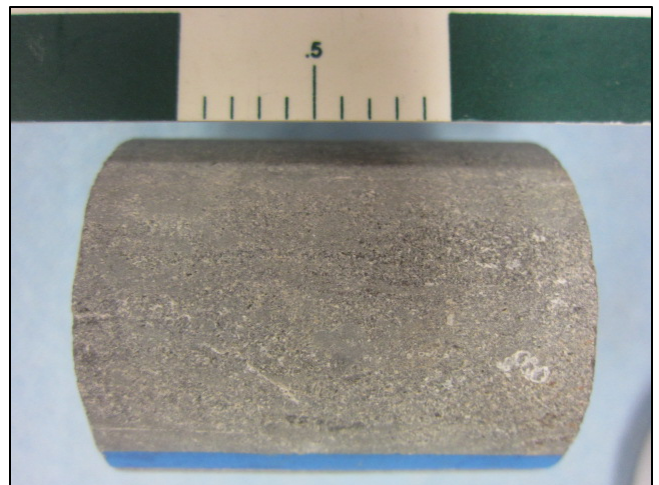
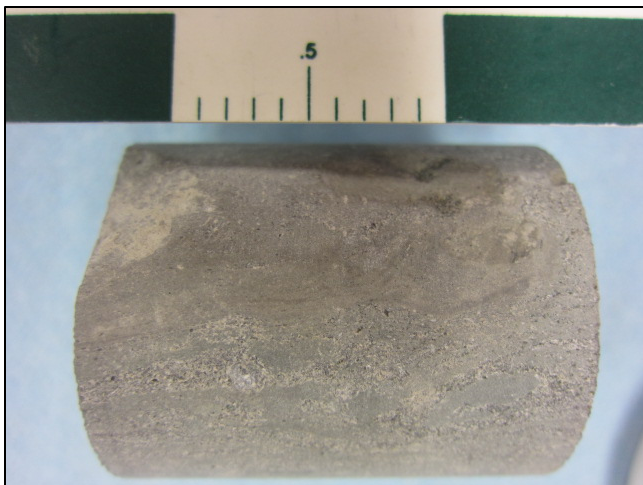
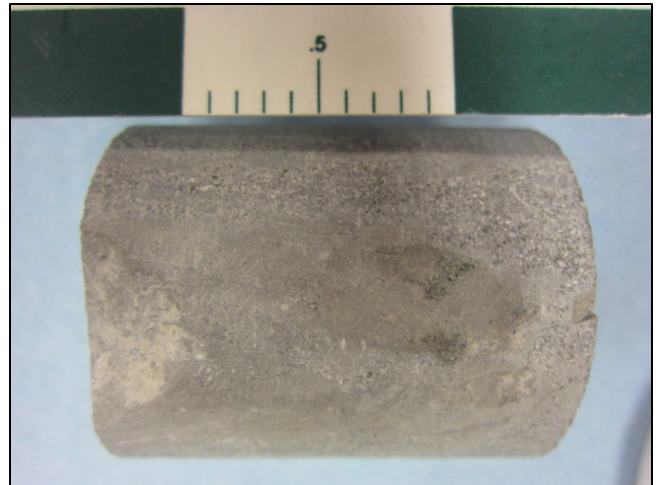
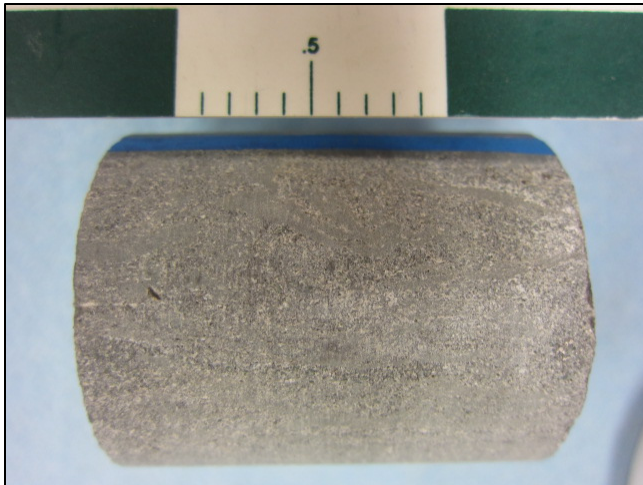
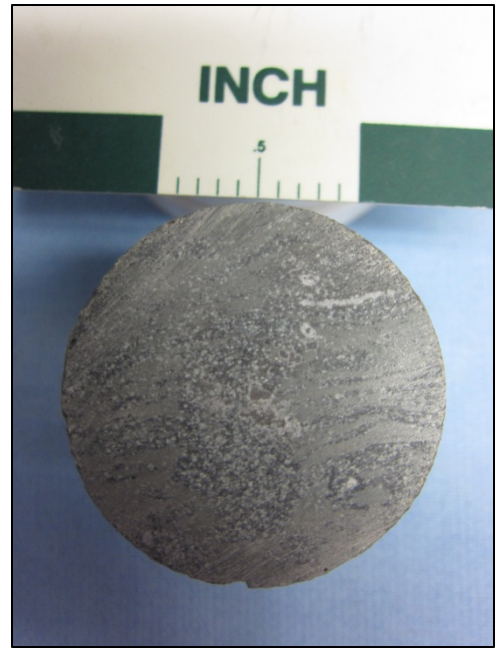


2-9
3608.0'

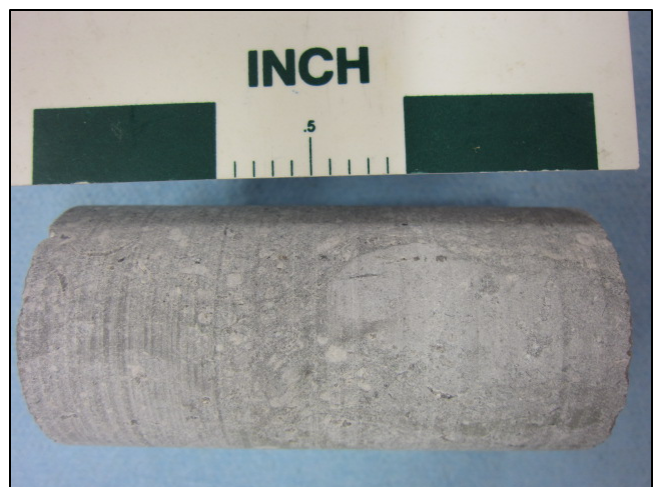
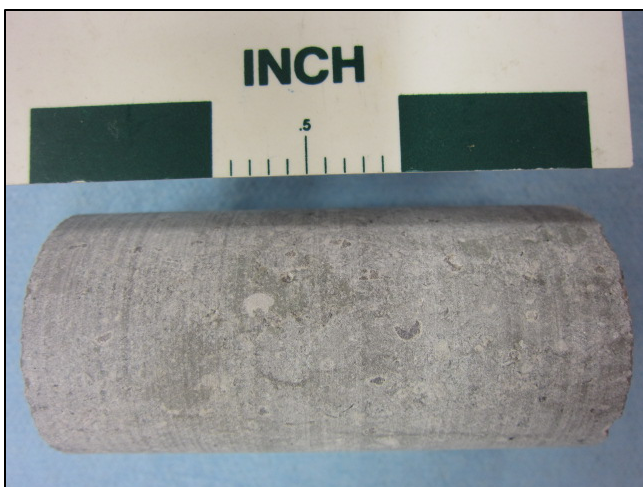
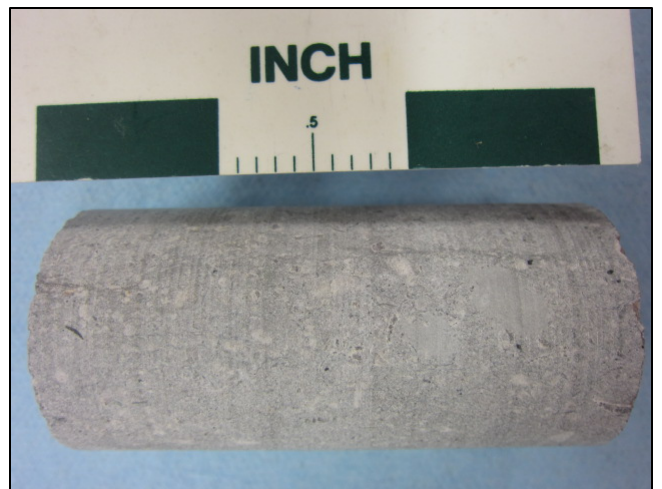
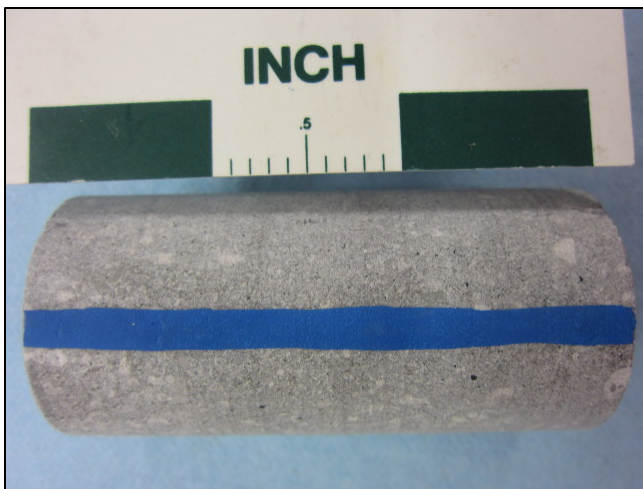
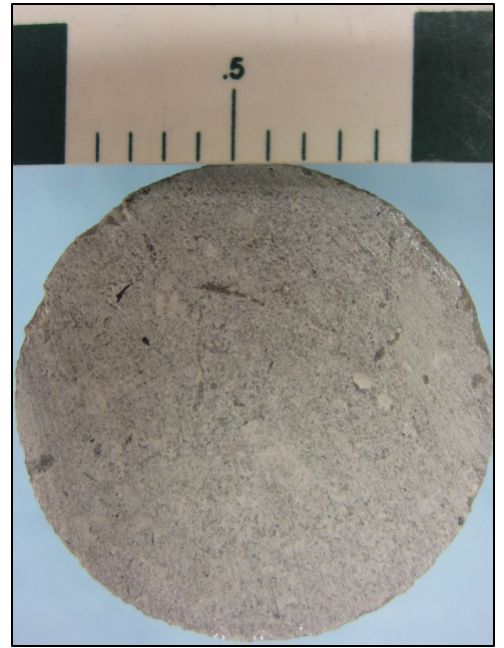
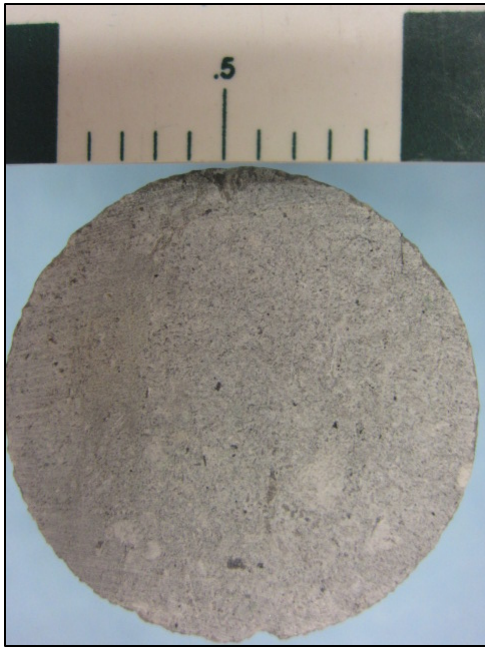




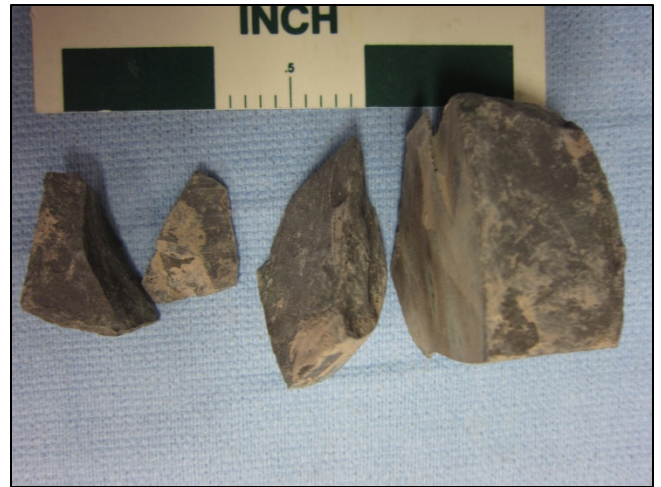
2-29
3628.2'

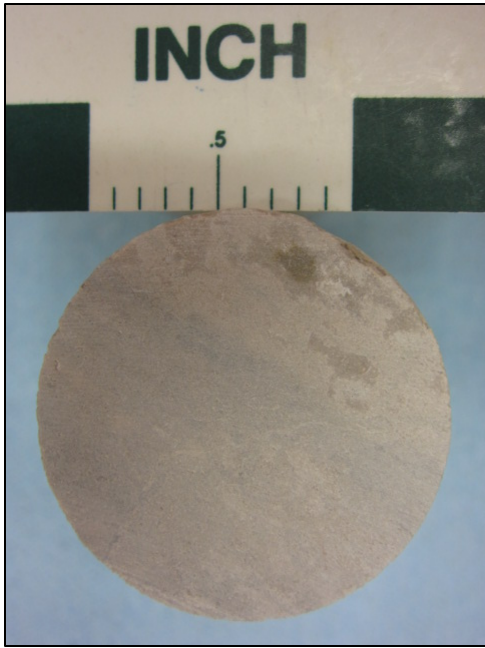


2-39
3638.3'

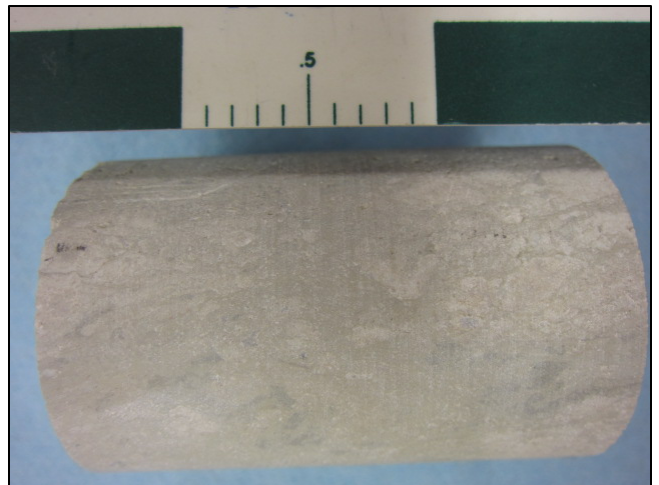
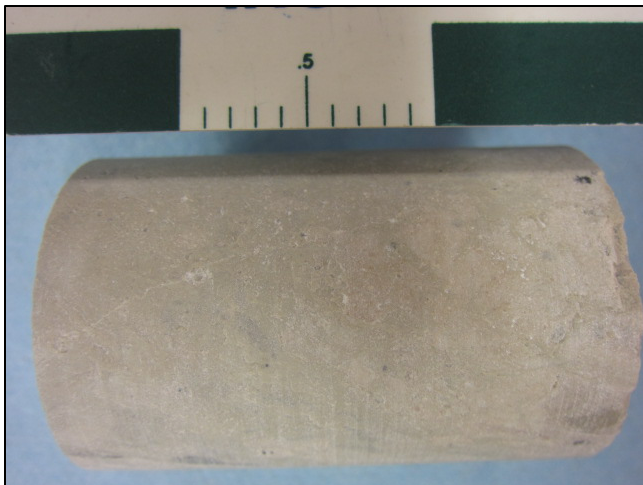
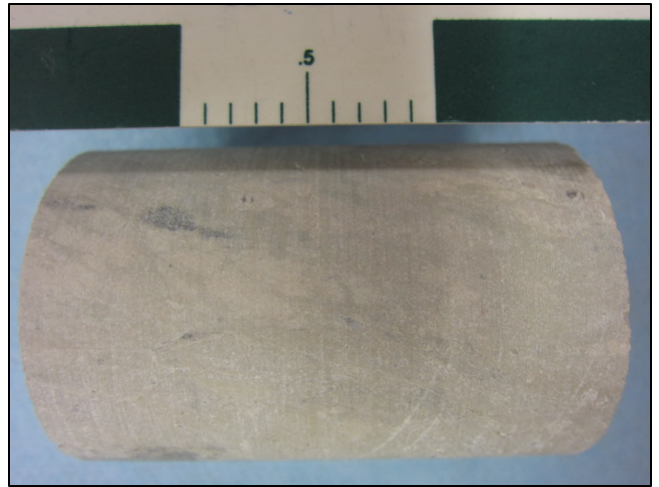
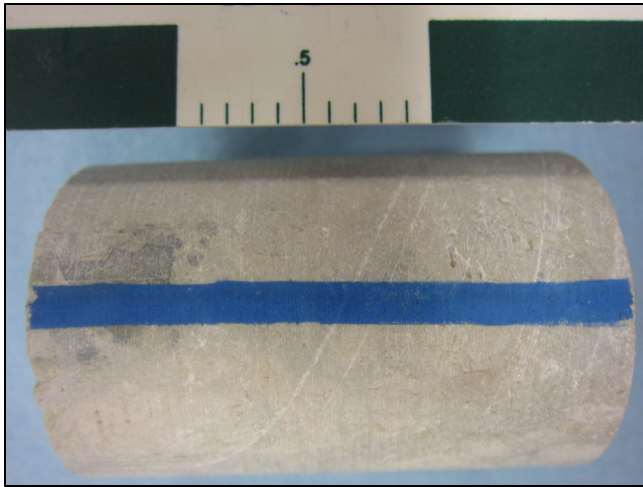
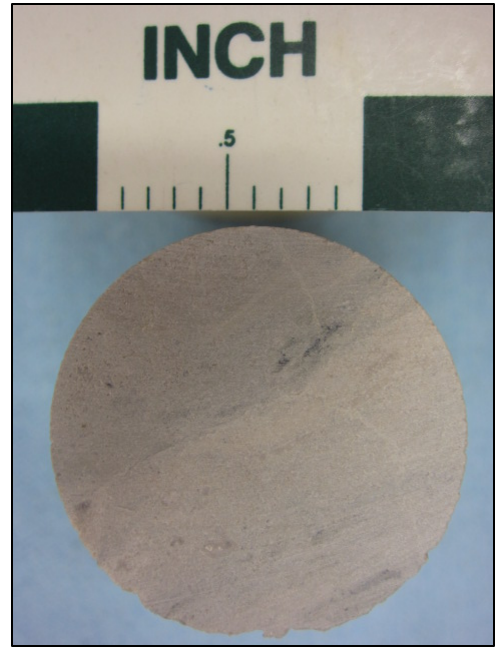


2-50
3649.4'



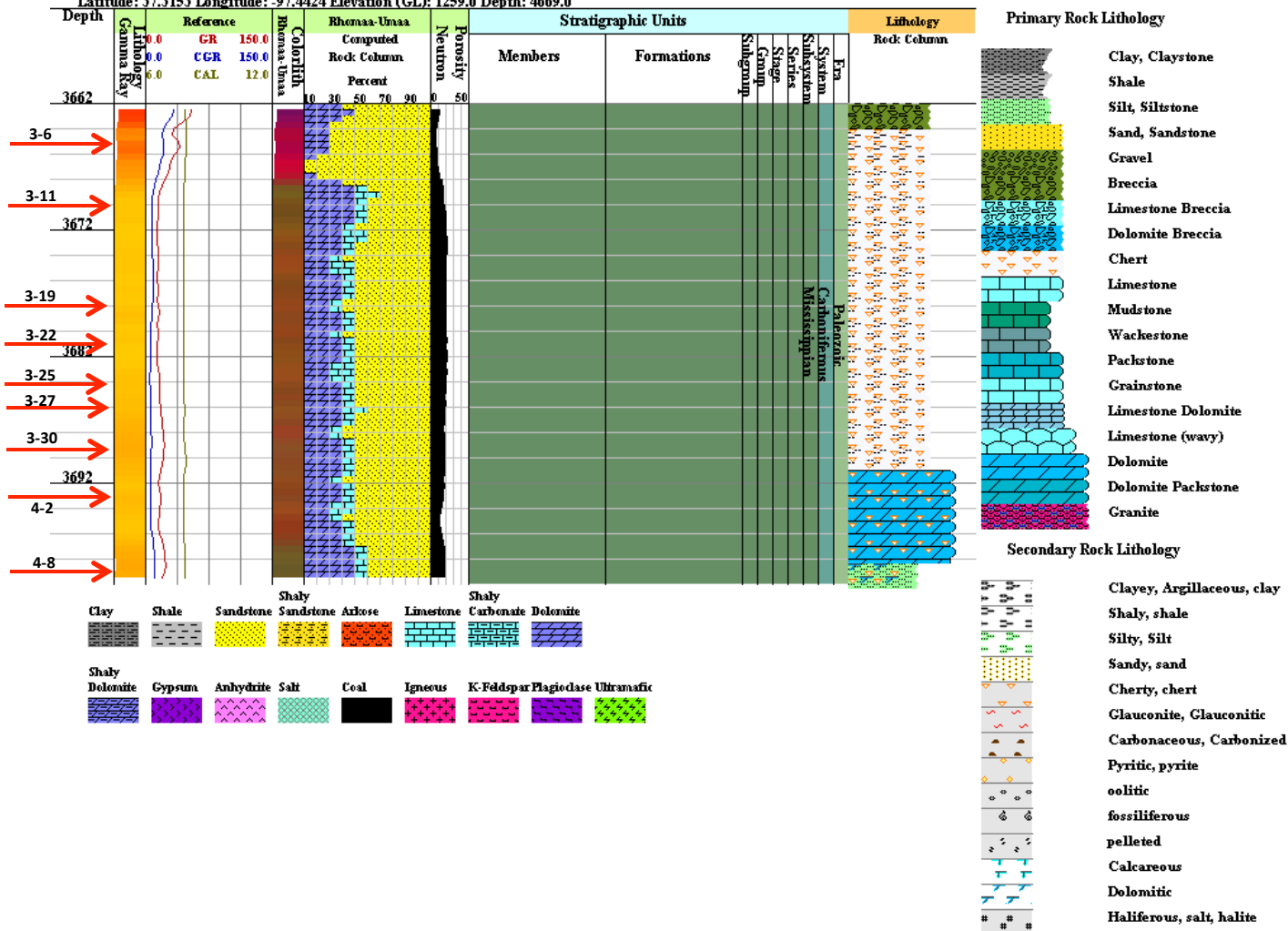


3-2
3661.3'



Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32

Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



3660

3663

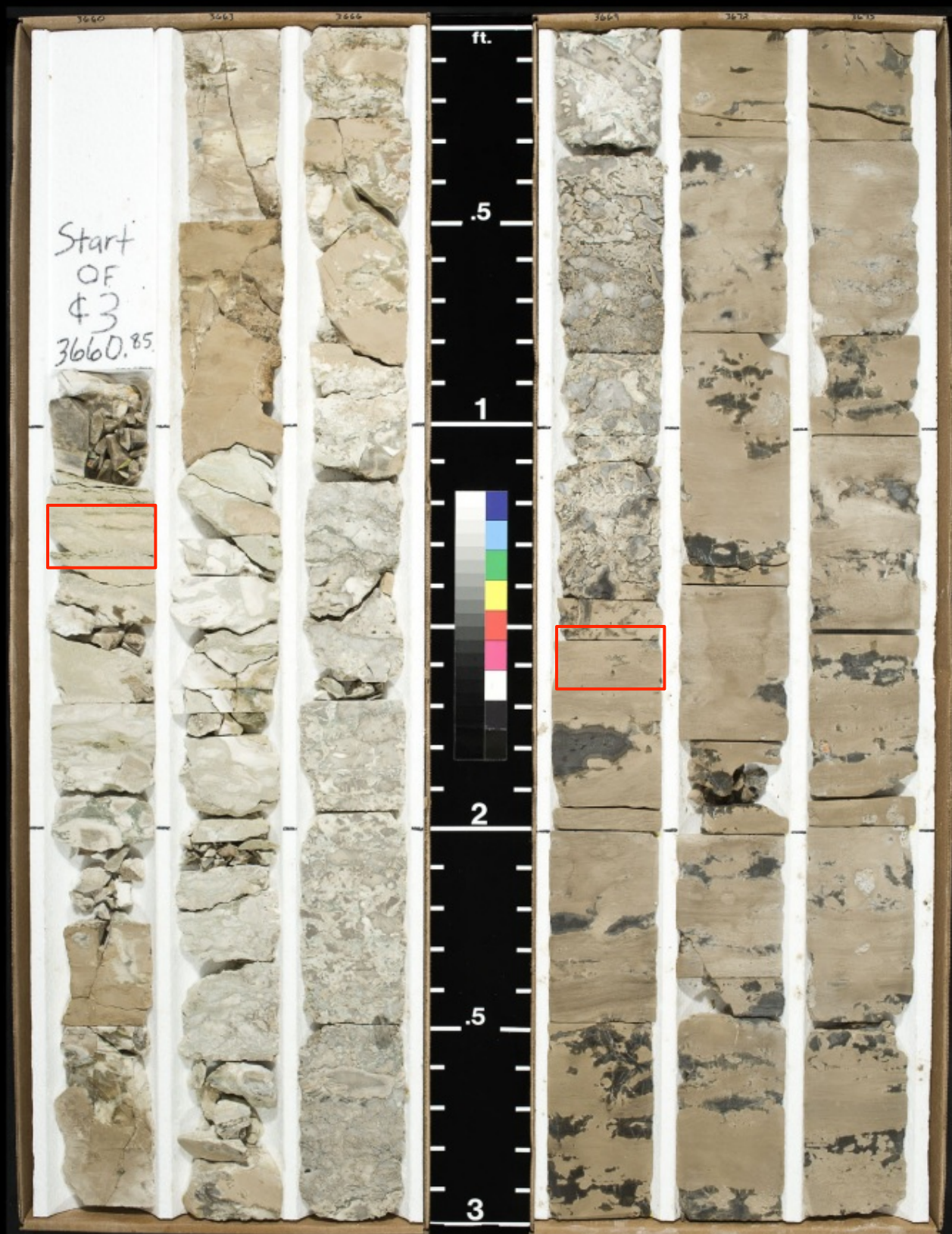
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CORE 3

3669

3672

3675



3678

3681

3684

CORE 3

3687

3690



3692

3695

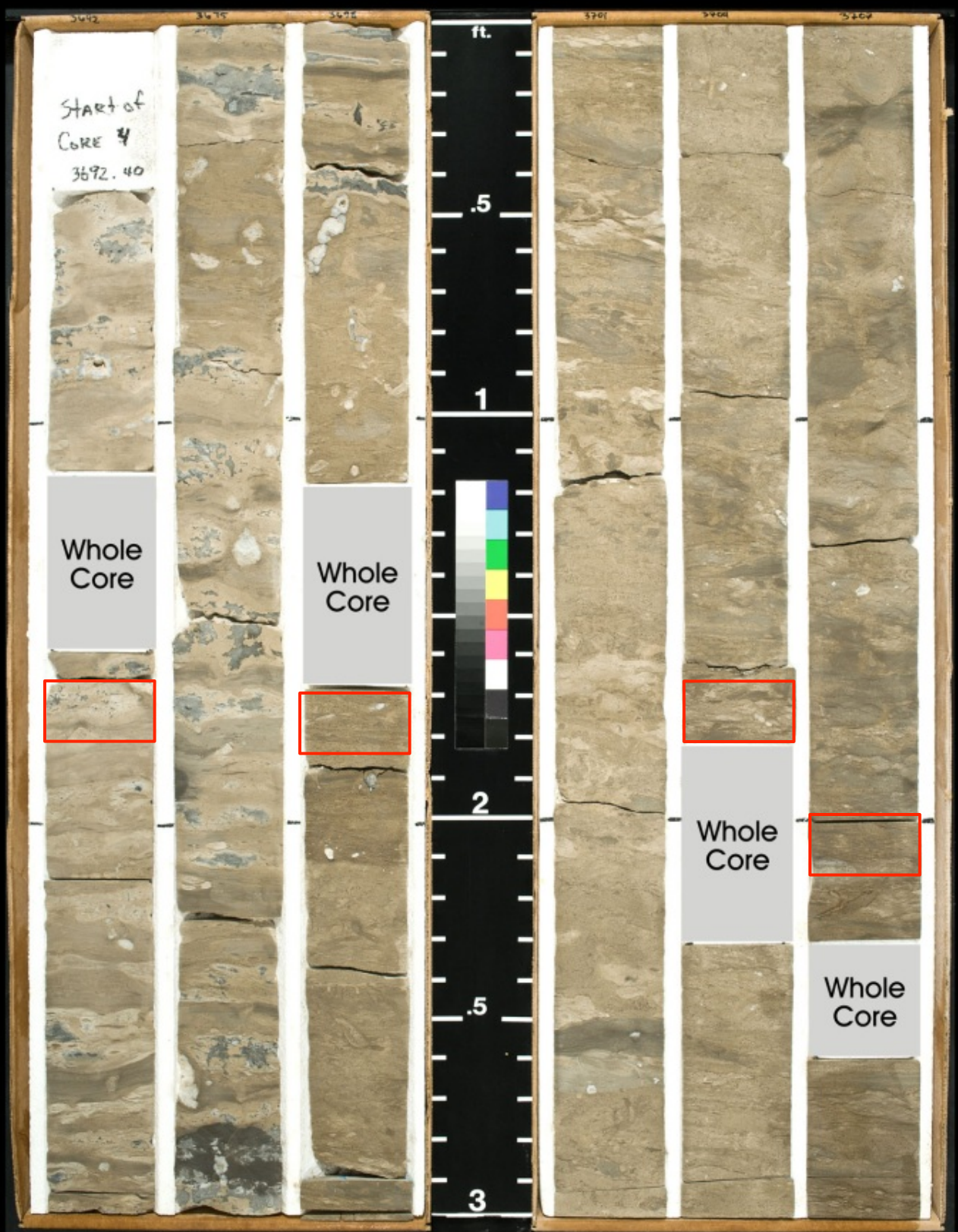
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CORE 4

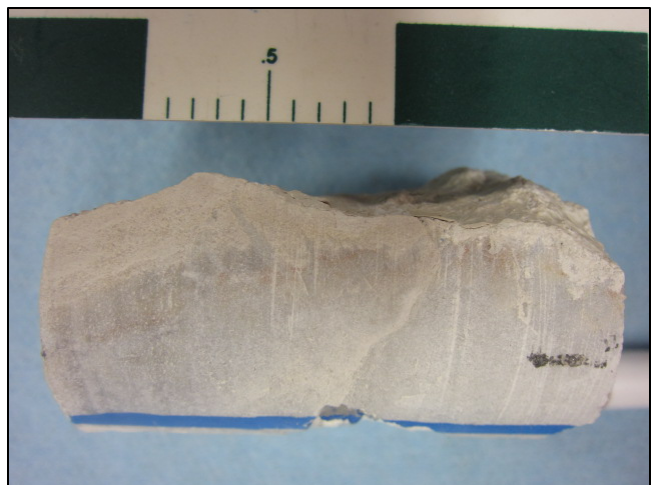
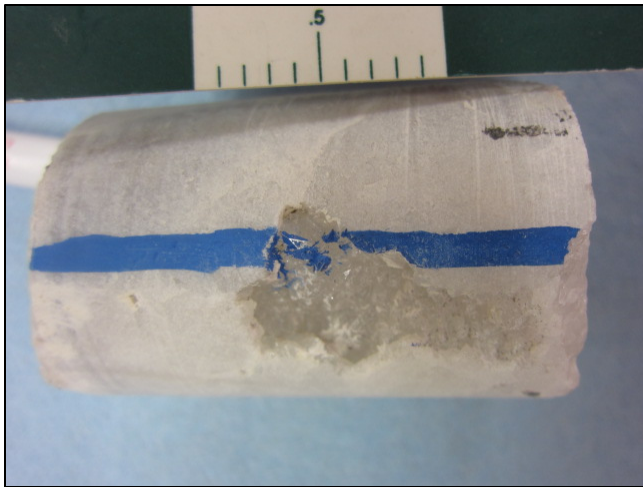
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3704

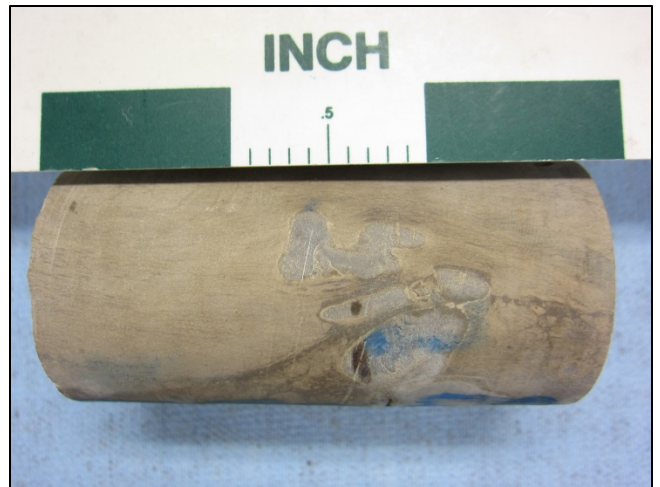
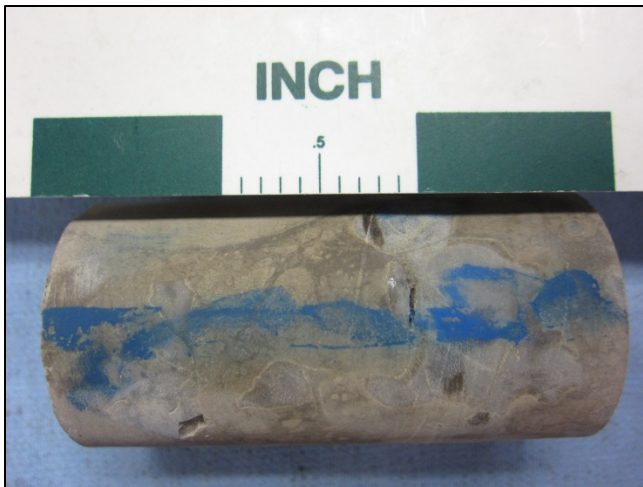
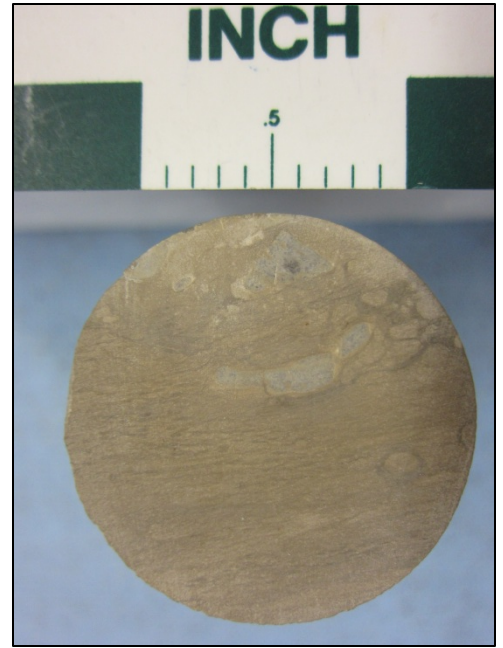
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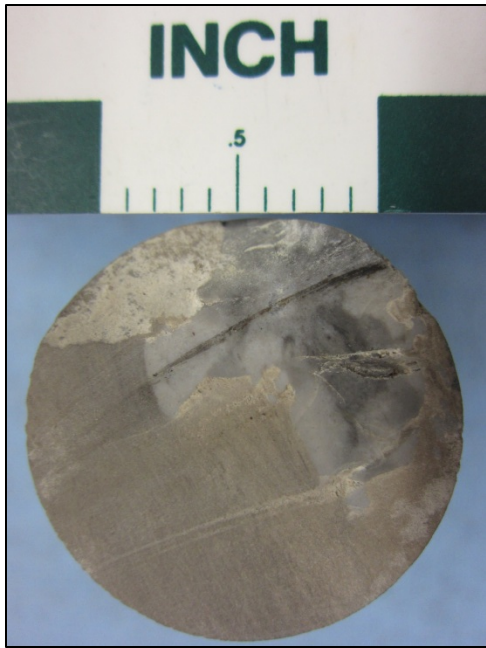


3-6
3665.8'

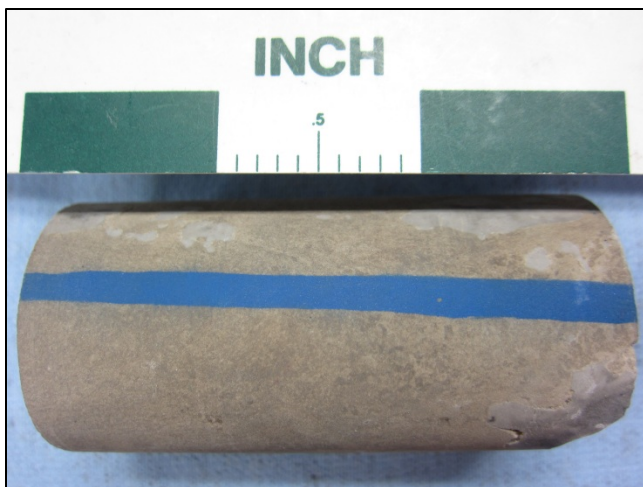
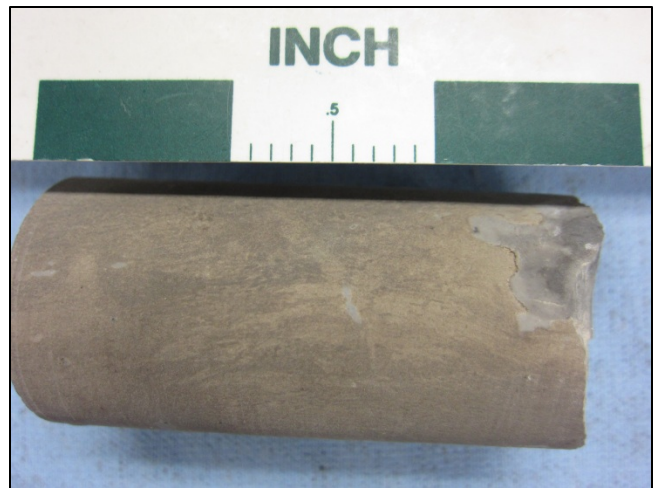
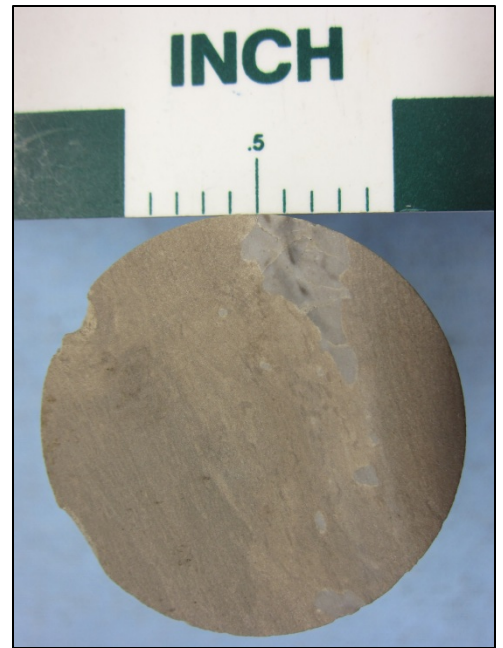


3-11
3670.6'

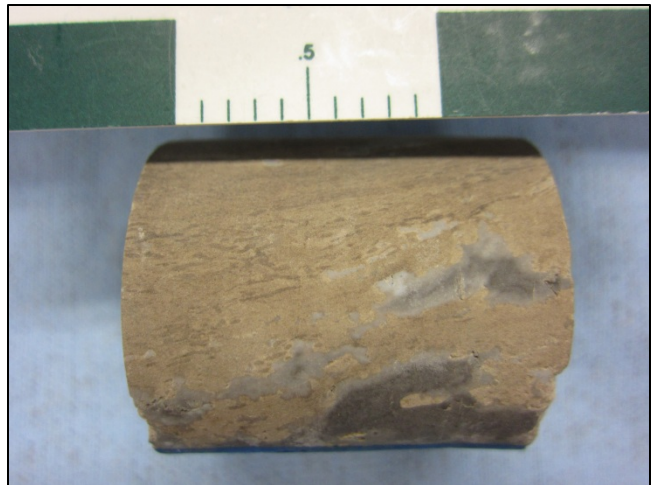
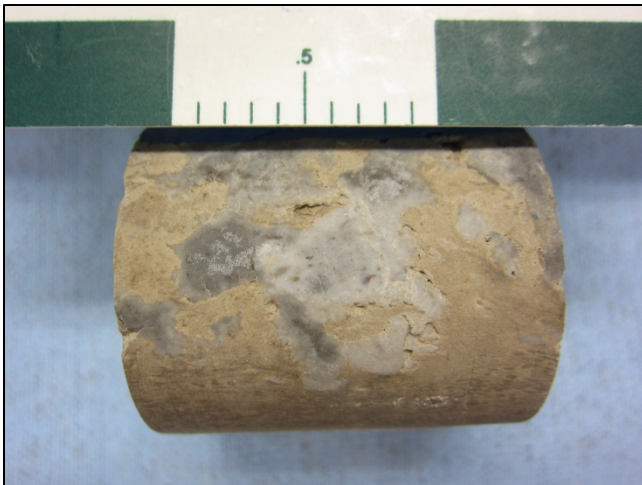
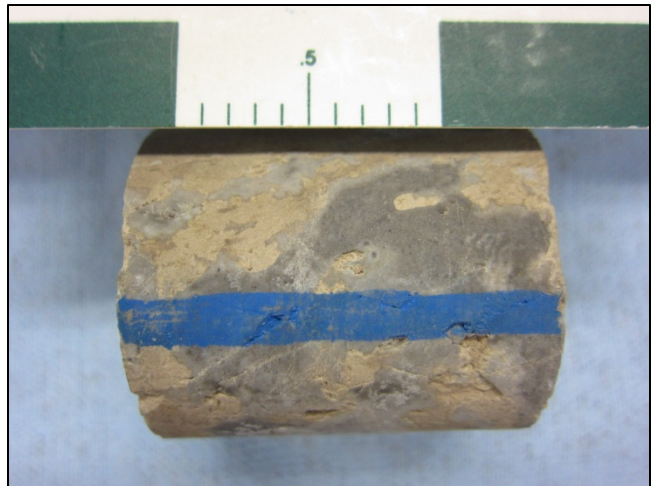
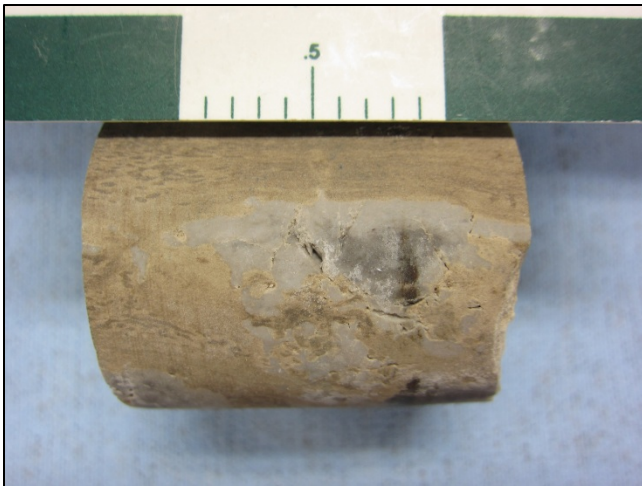
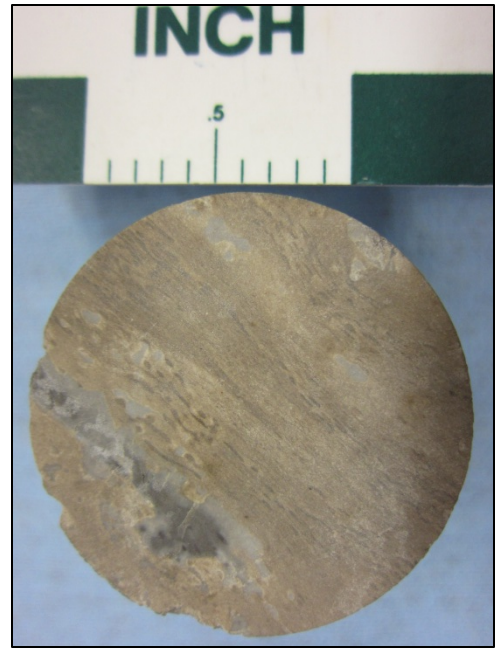
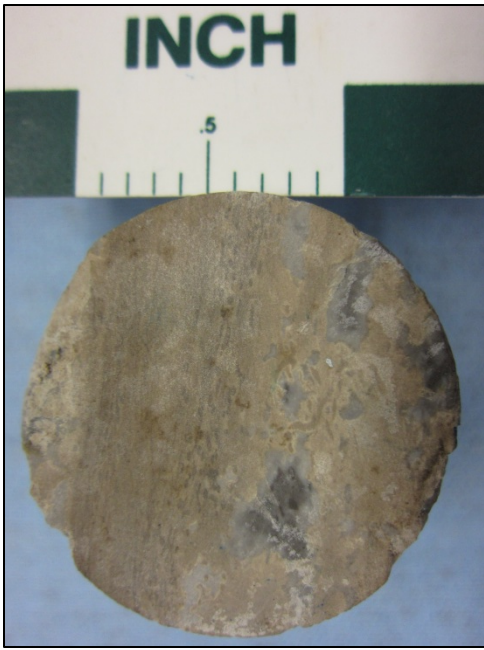


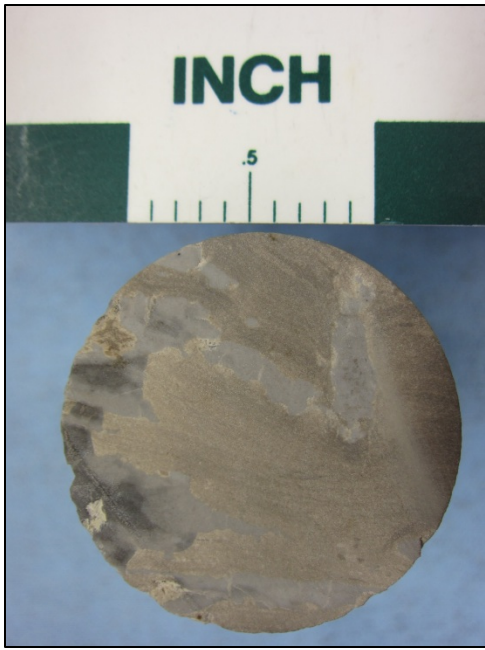


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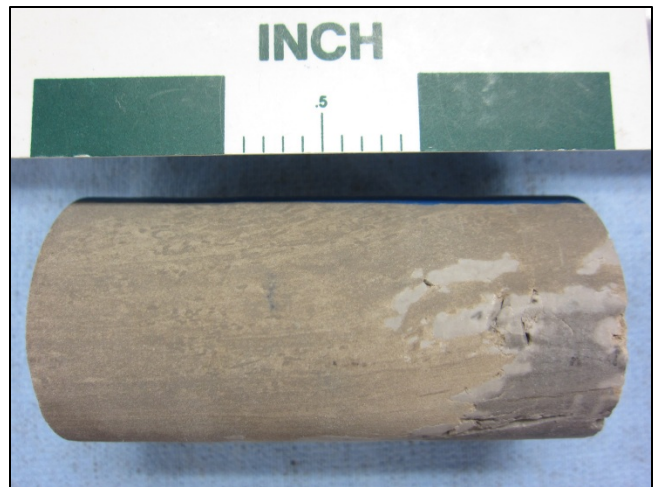
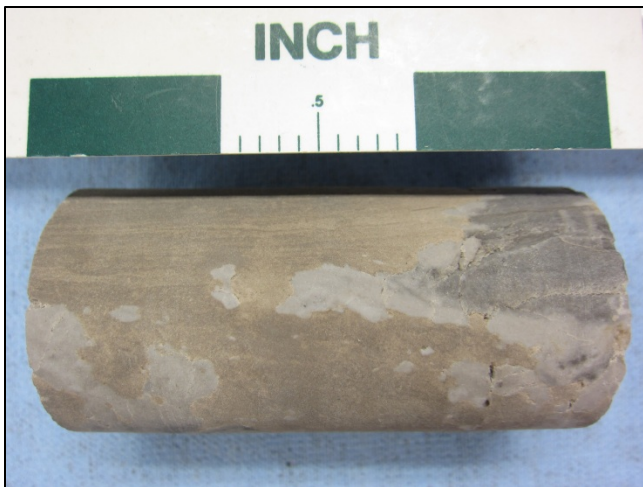
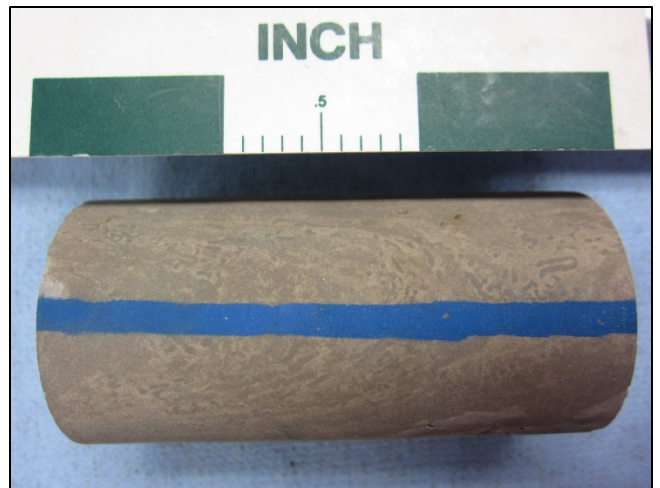
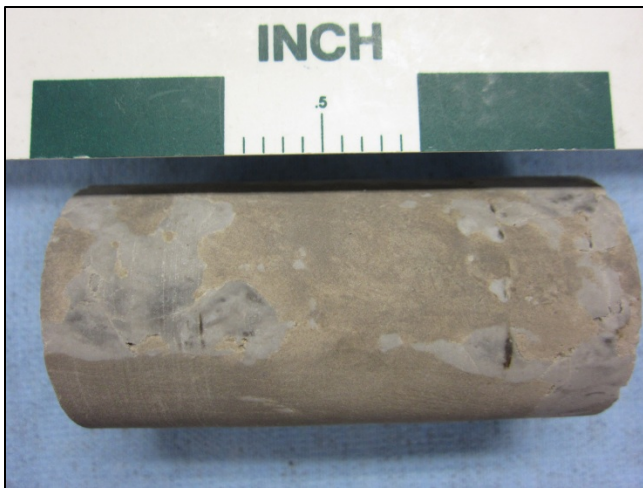
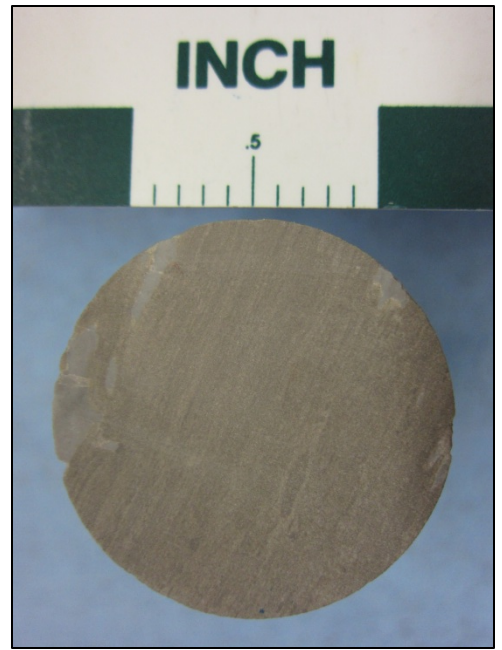


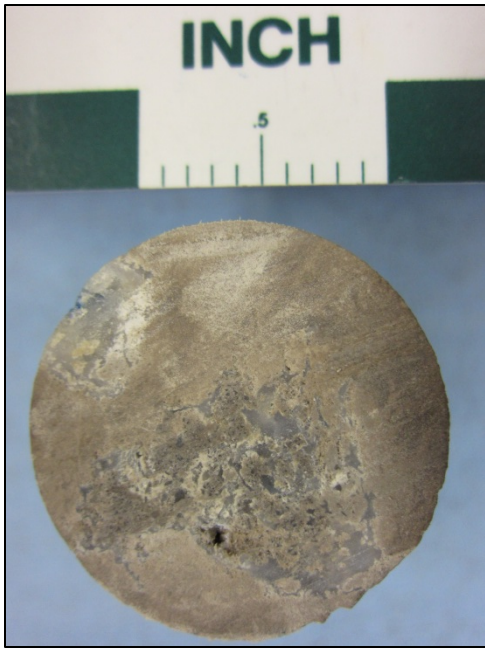
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3681.9'



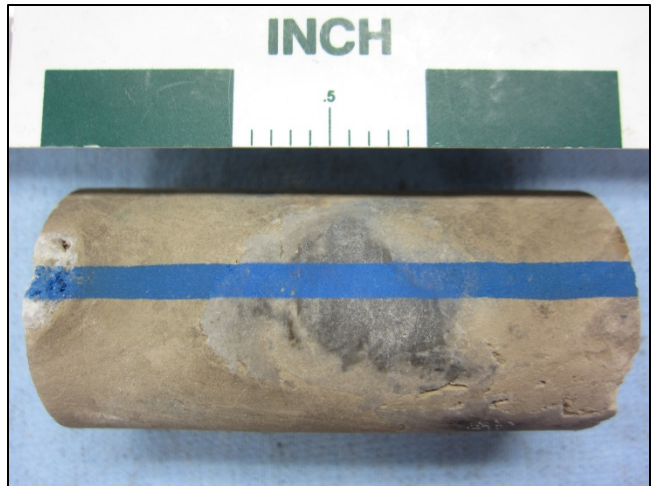
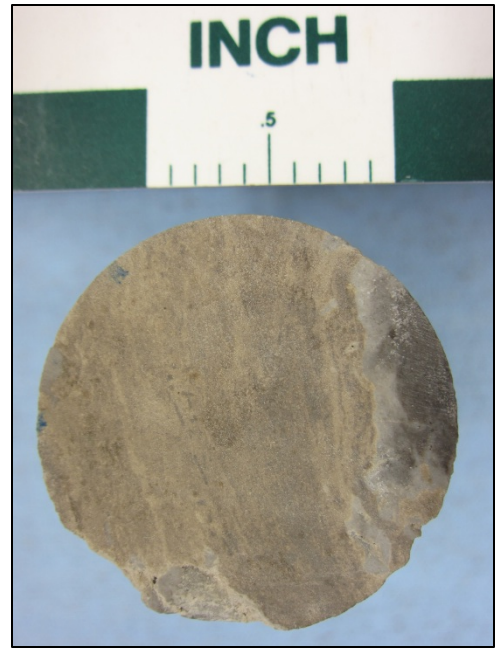


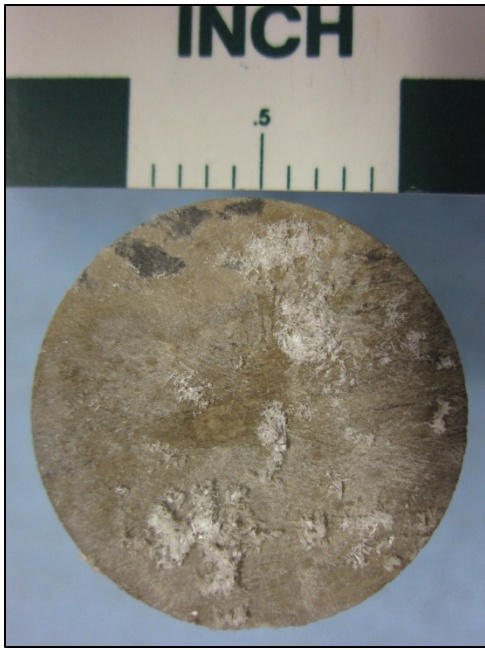
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3684.2'



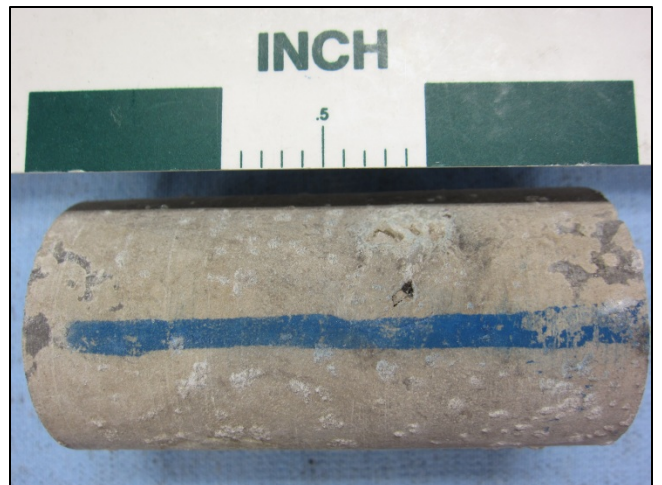
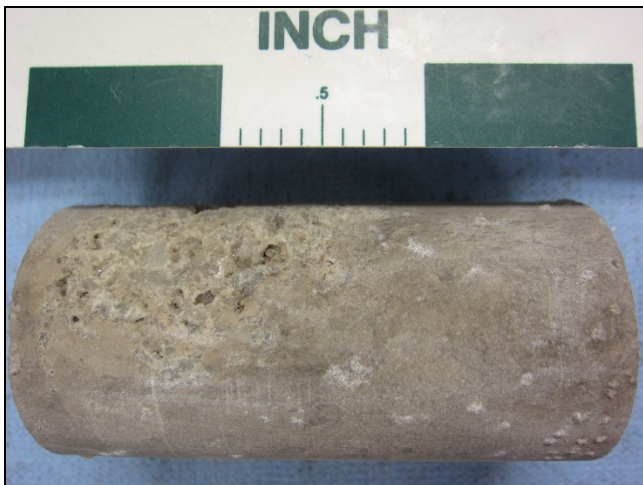
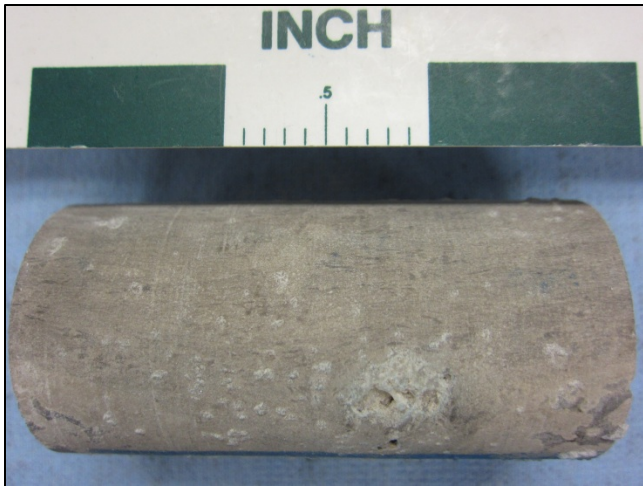
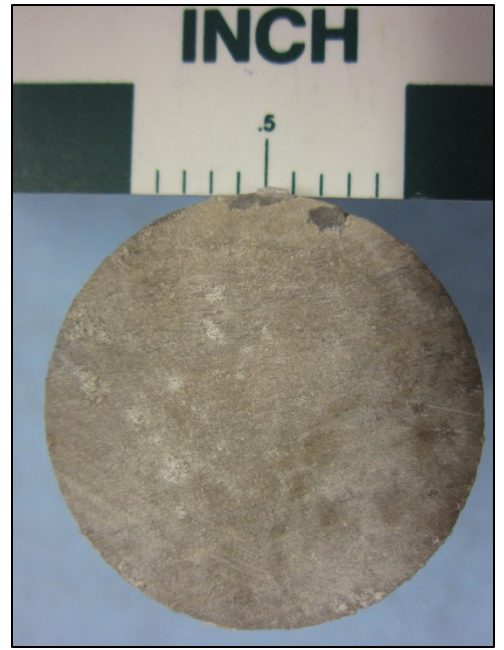


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3686.6'

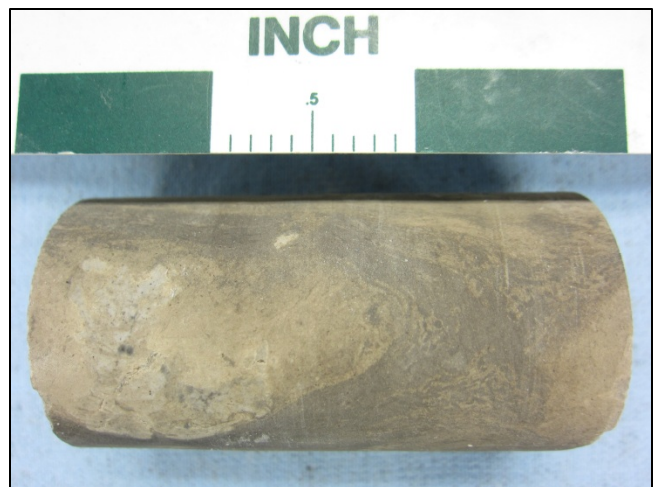
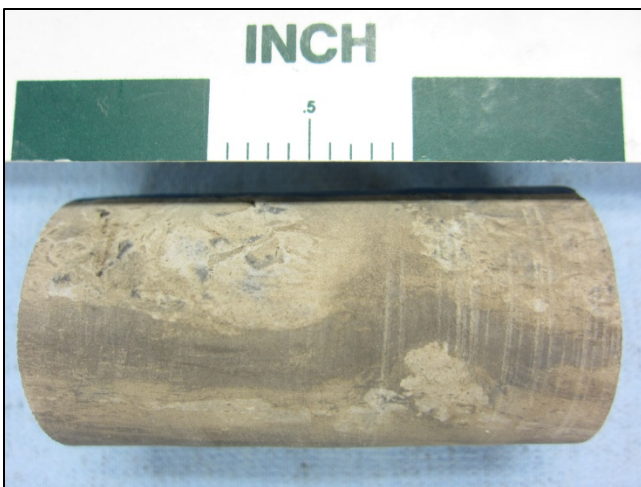
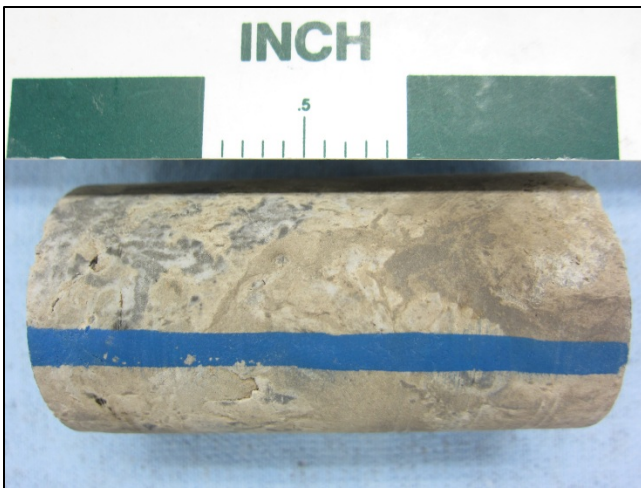
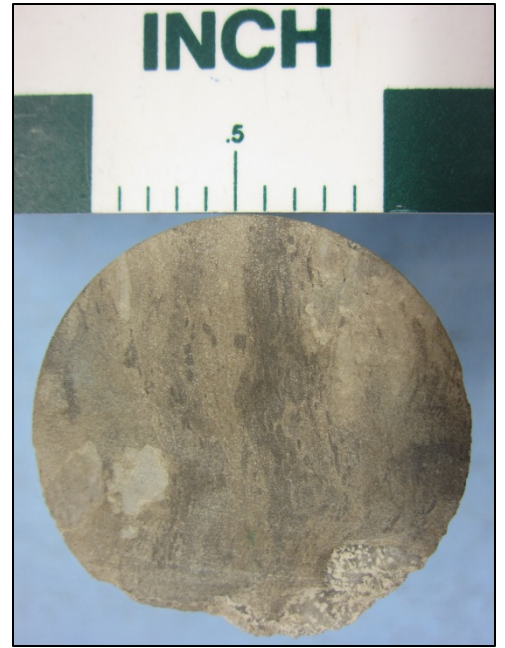
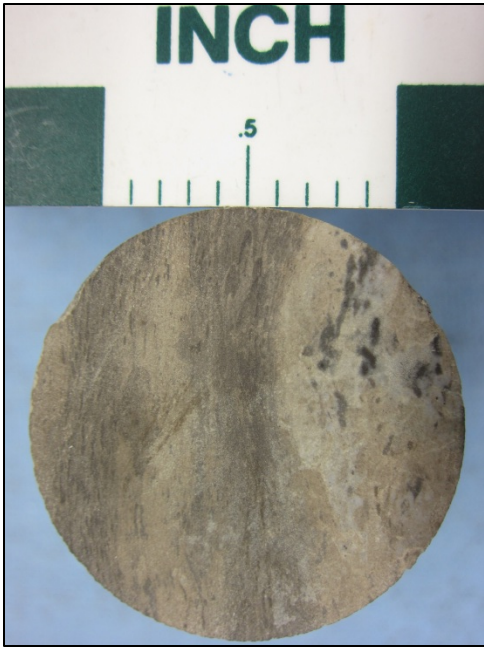




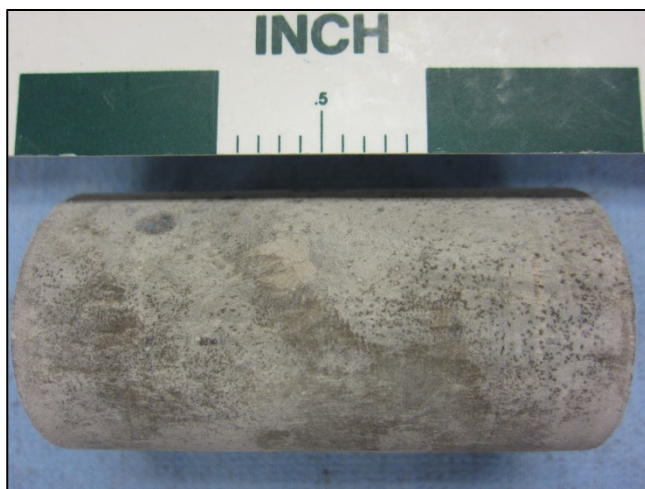
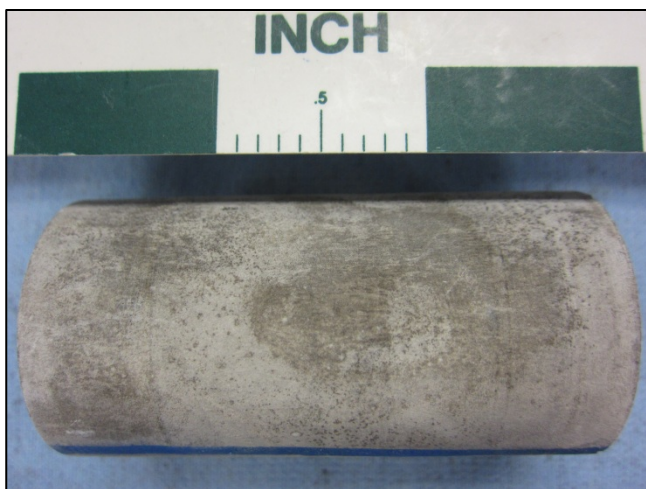
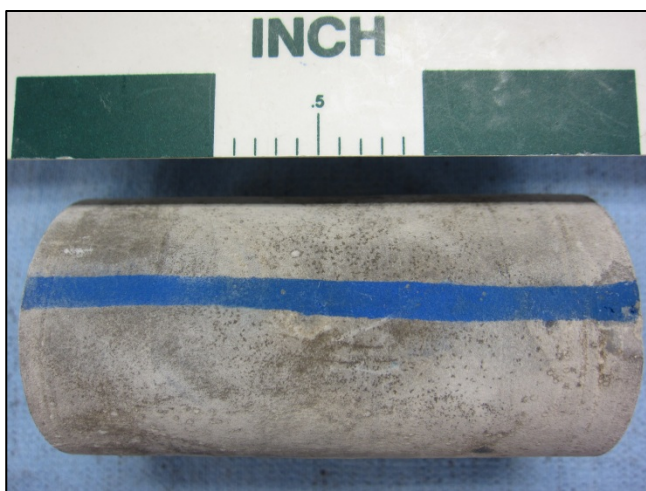
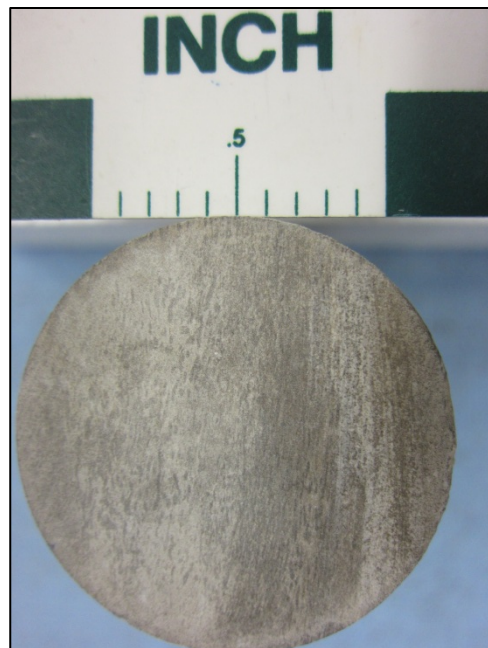
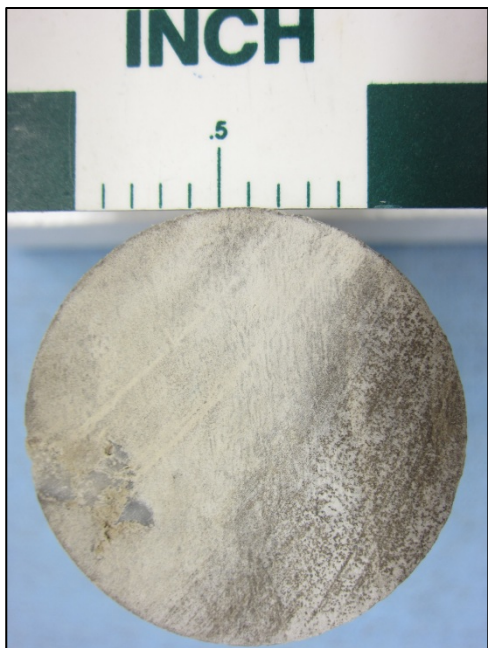
3-30
3689.9'



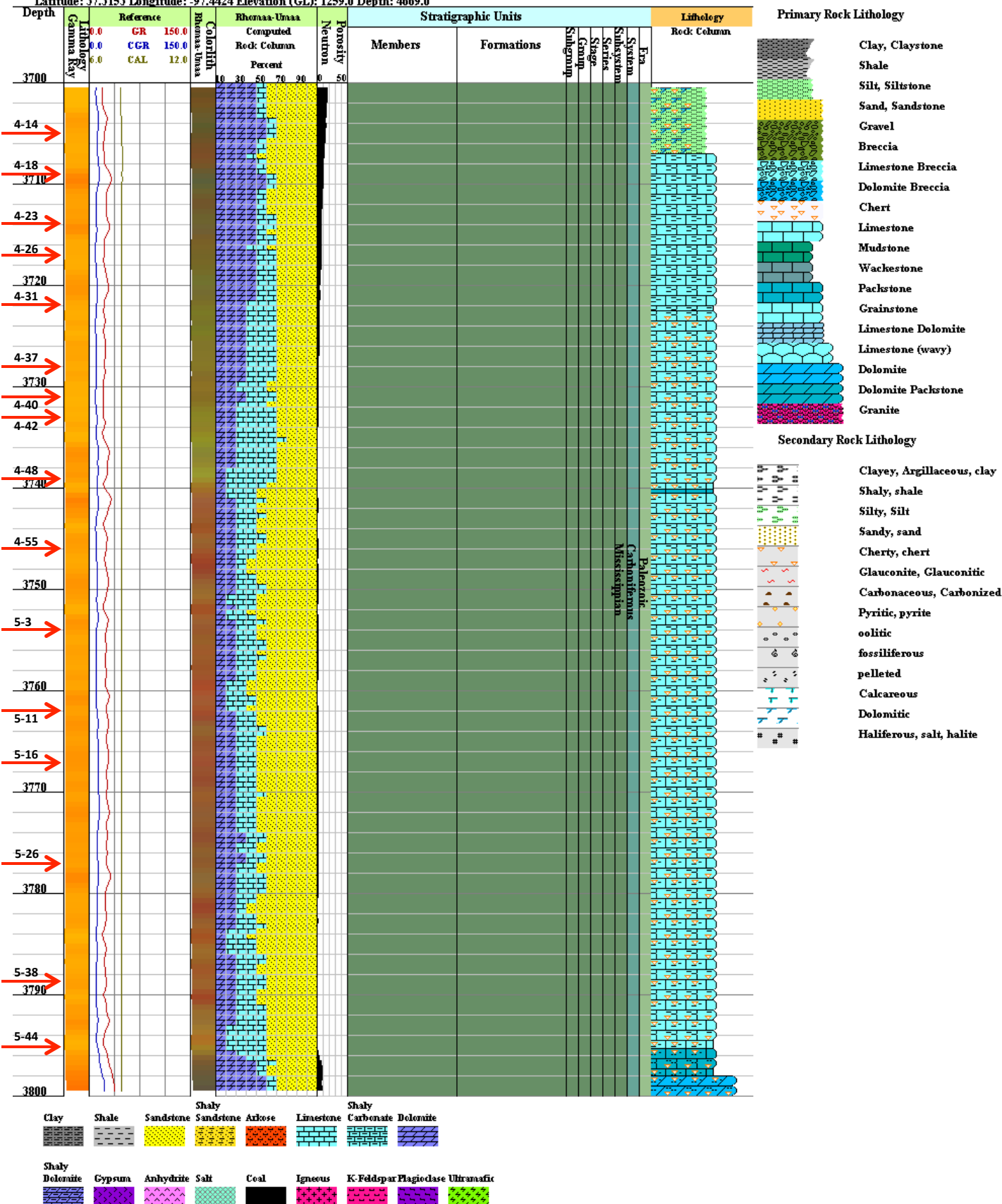
4-2
3693.8



4-8
3699.8'



Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32
 Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



3692

3695

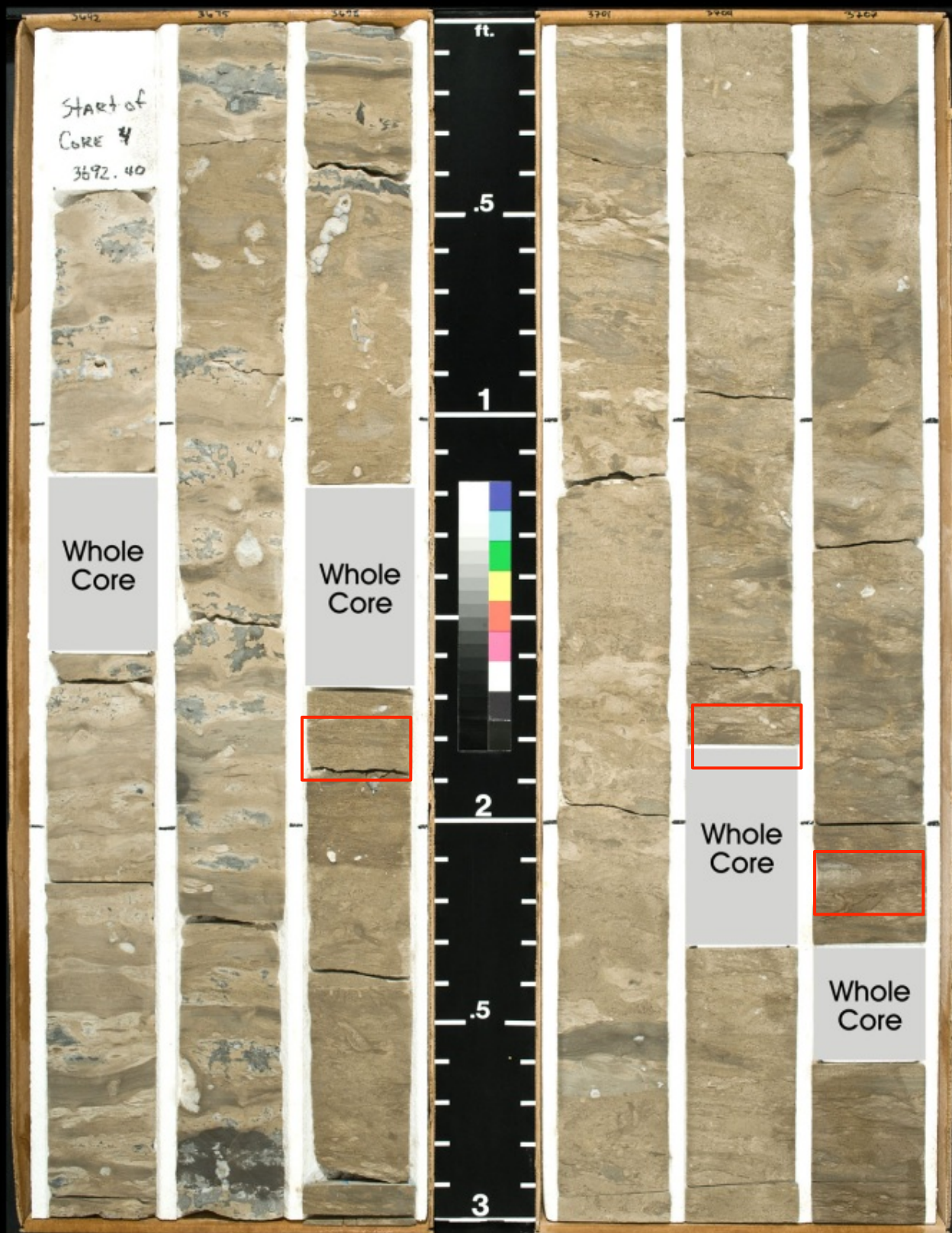
3698

CORE 4

3701

3704

3707



3710

3713

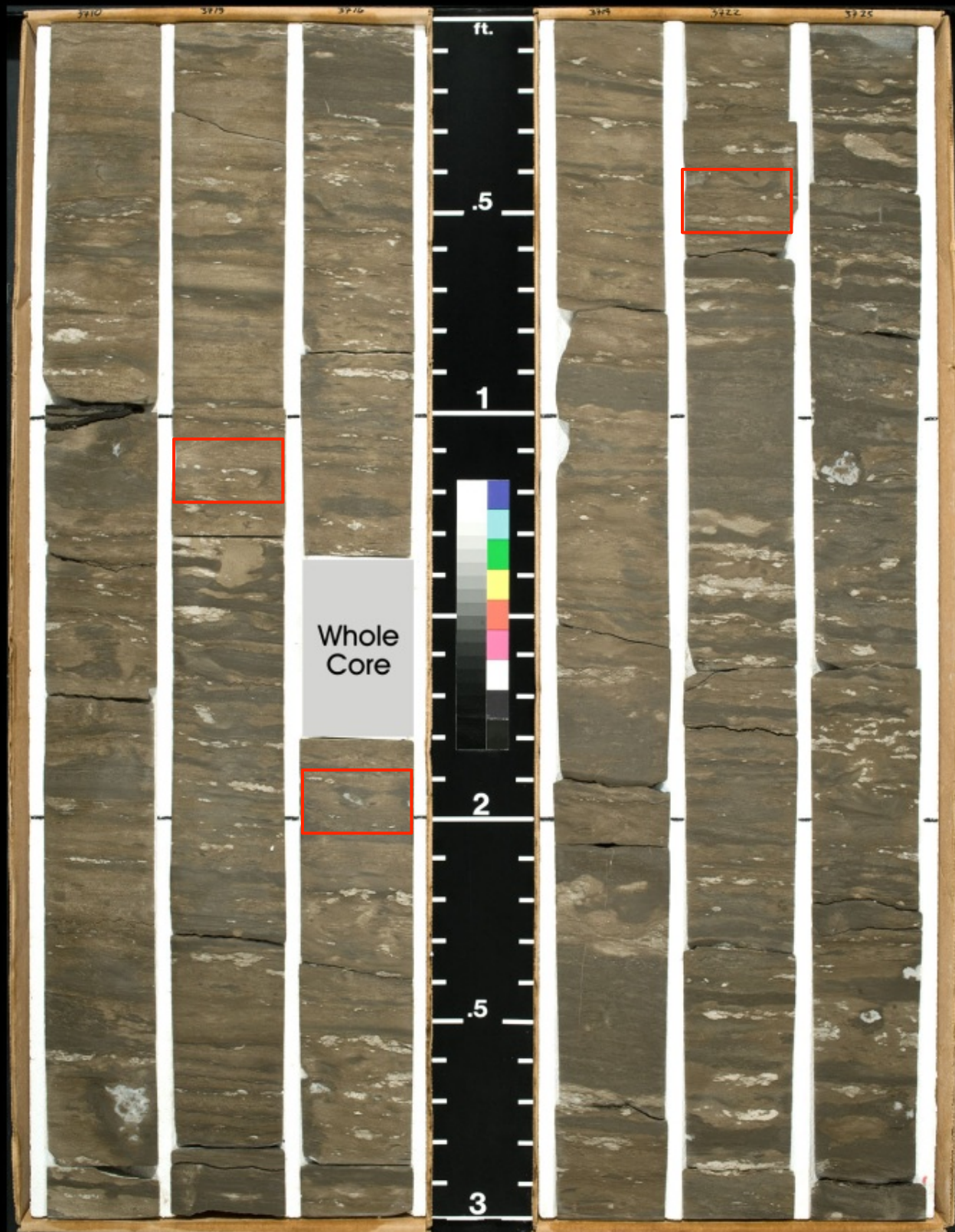
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CORE 4

3719

3722

3725



3728

3731

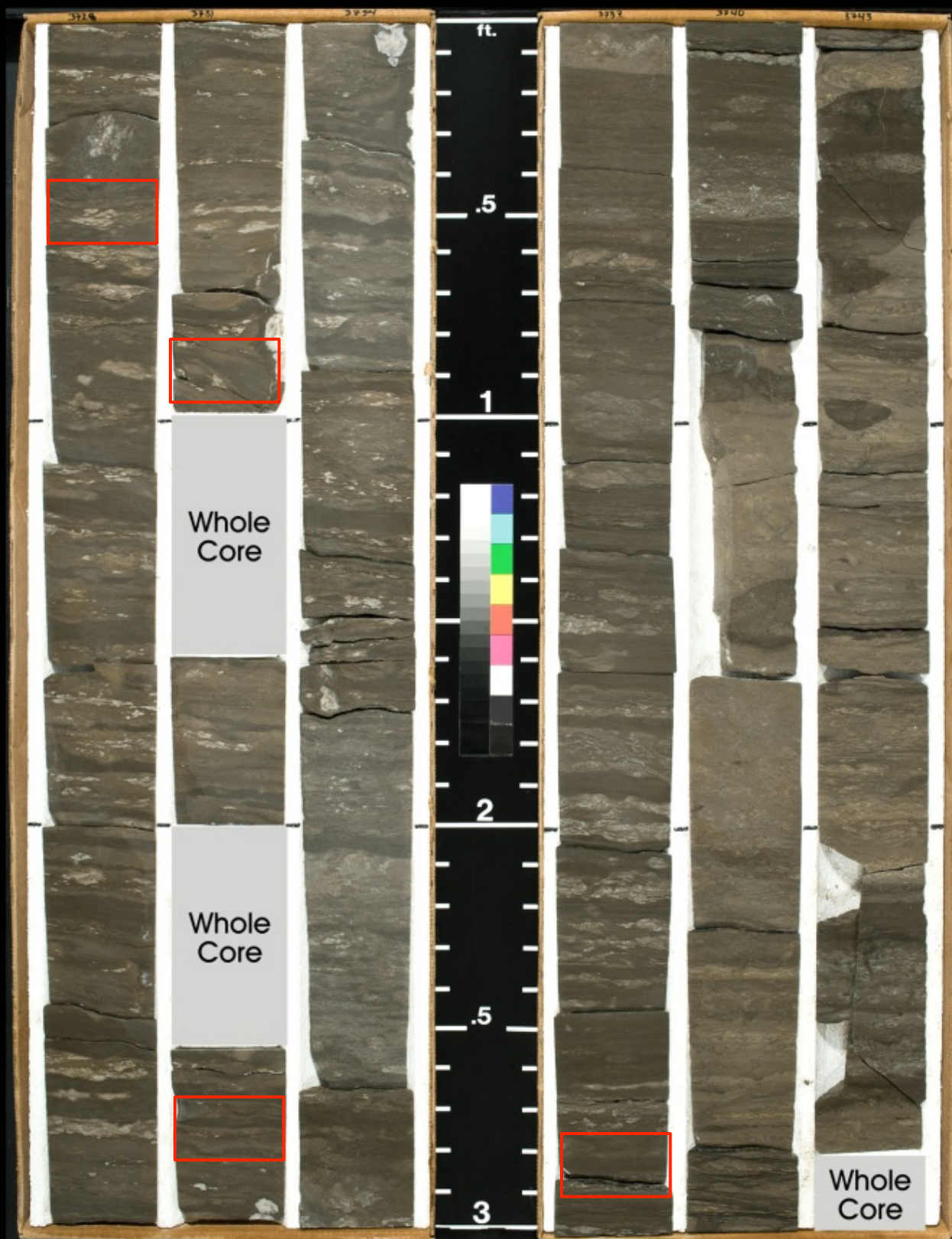
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CORE 4

3737

3740

3743



3746

3749

CORE 4



3752

3755

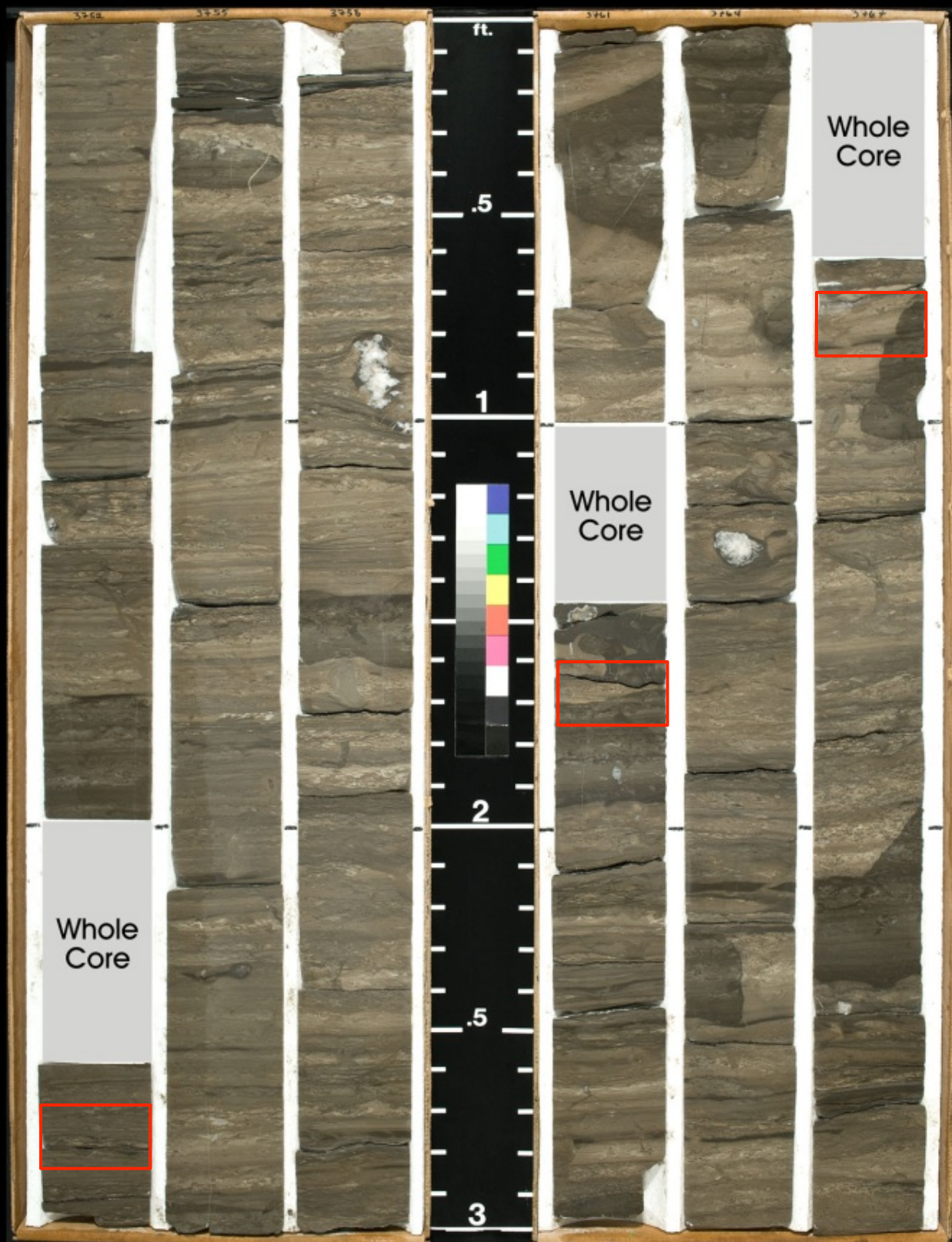
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CORE 5

3761

3764

3767



3770

3773

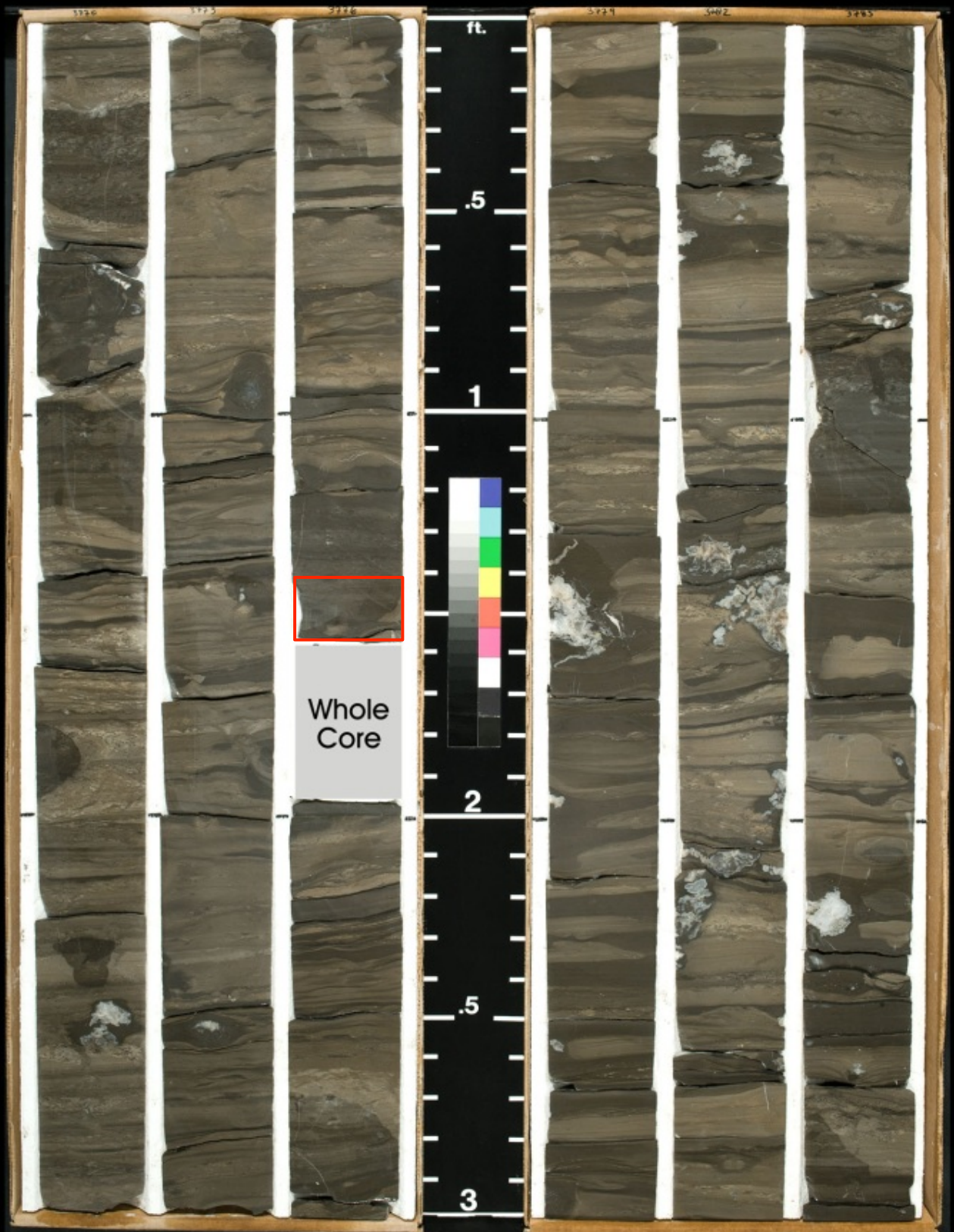
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CORE 5

3779

3782

3785



3788

3791

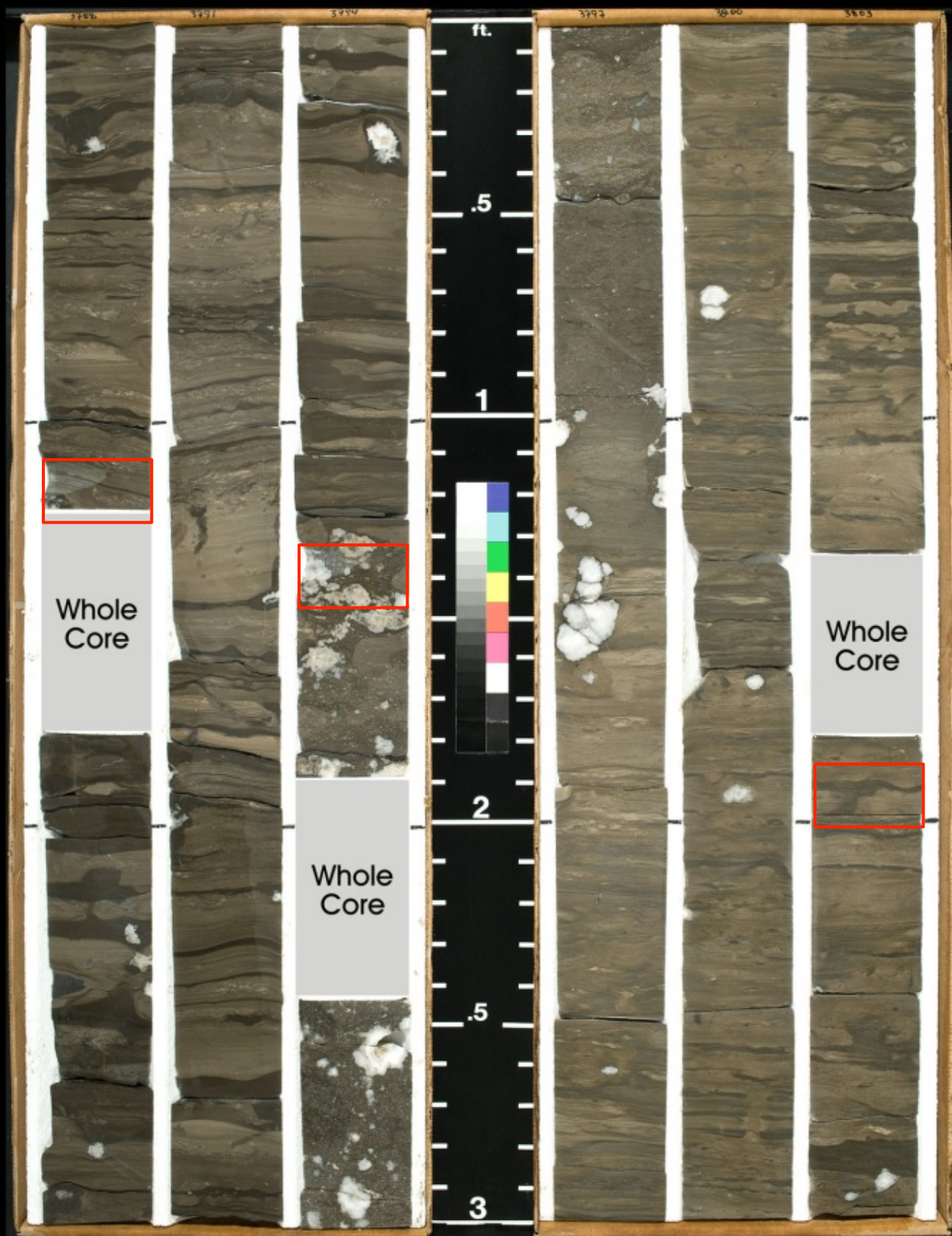
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CORE 5

3797

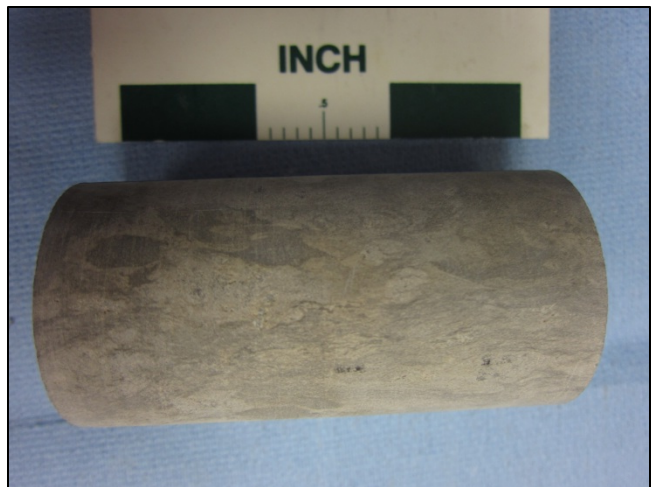
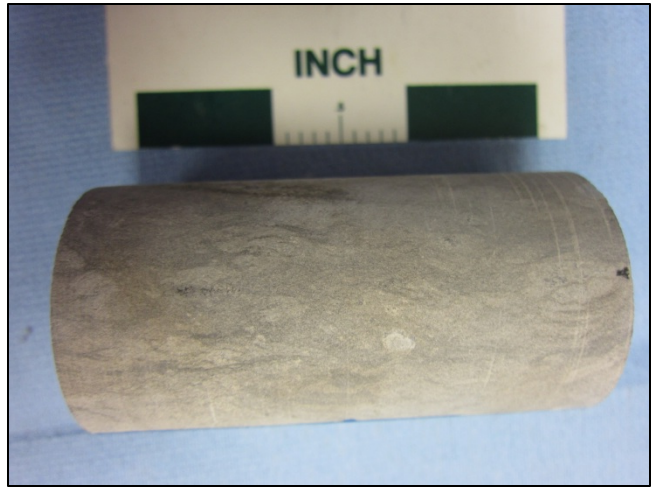
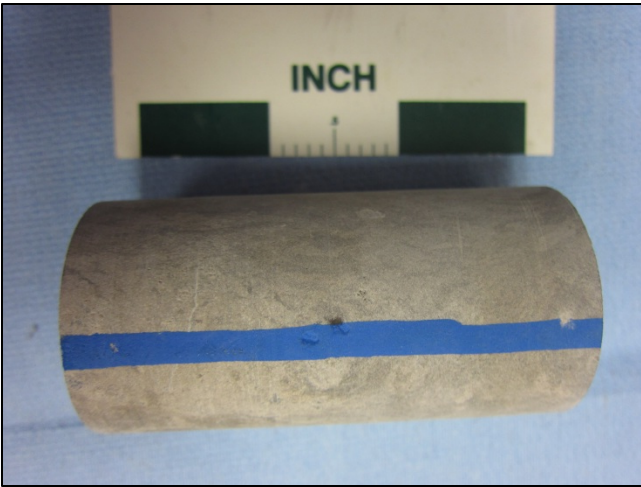
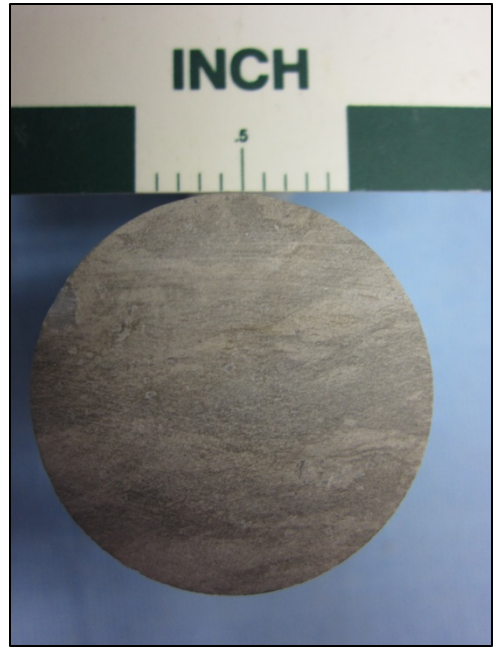
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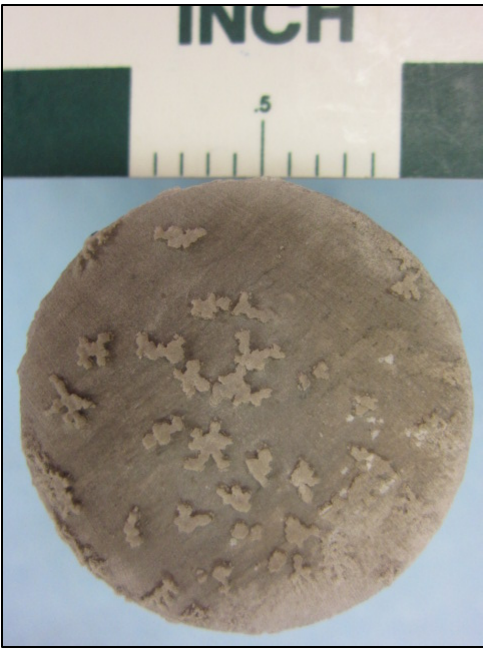
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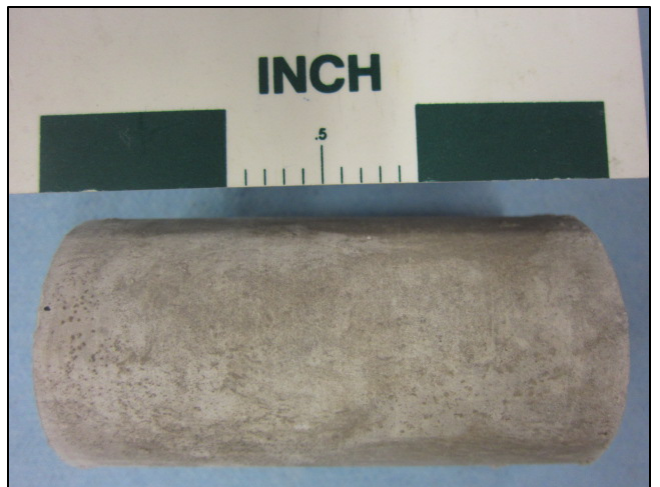
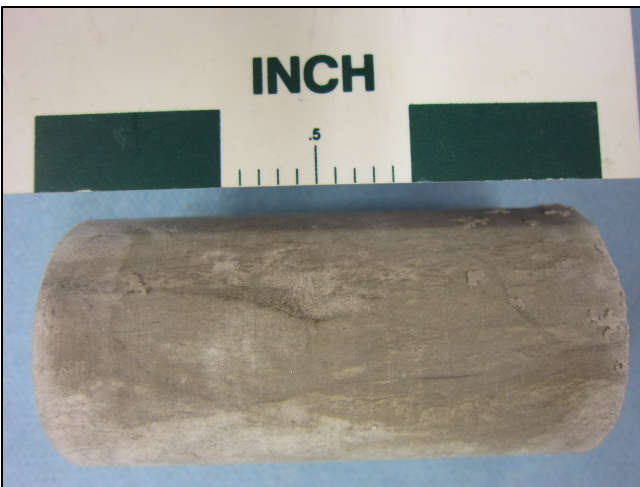
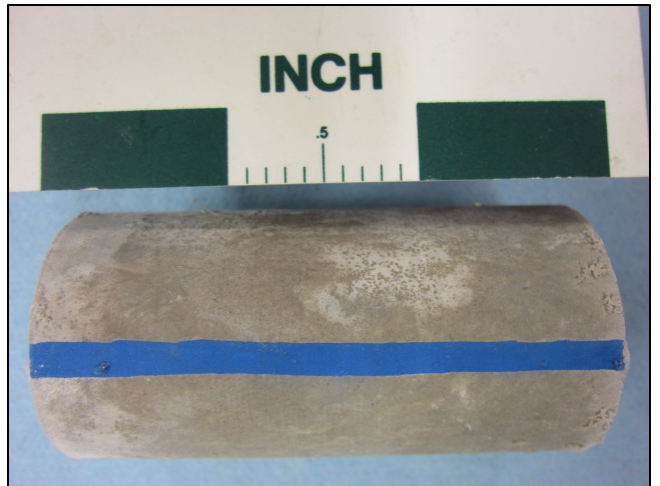
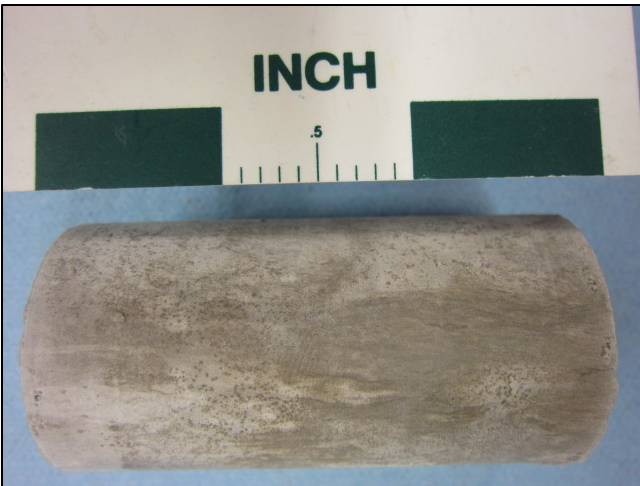


4-14
3705.8'



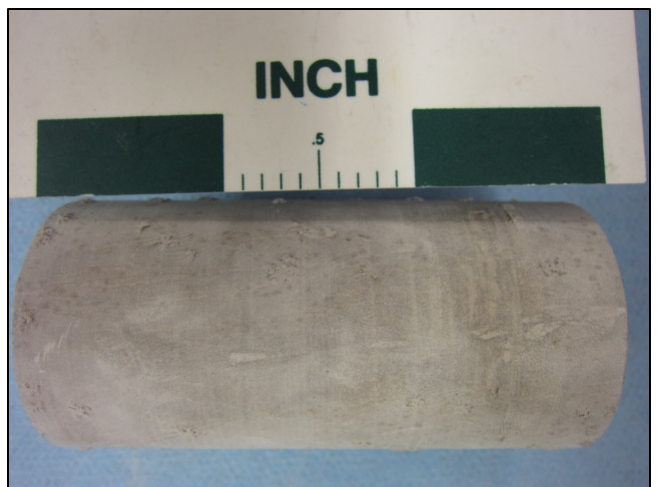
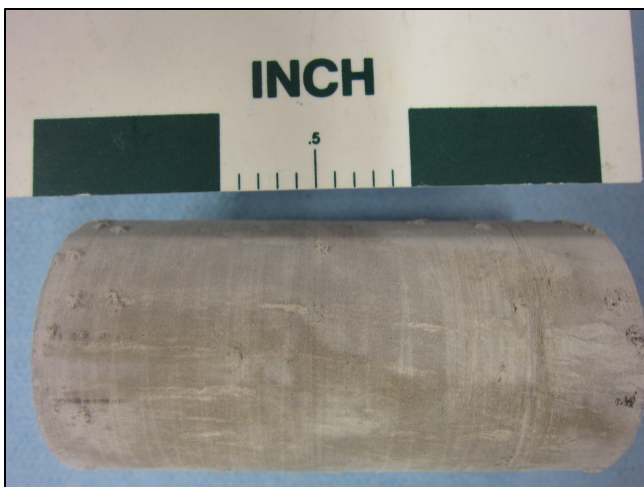
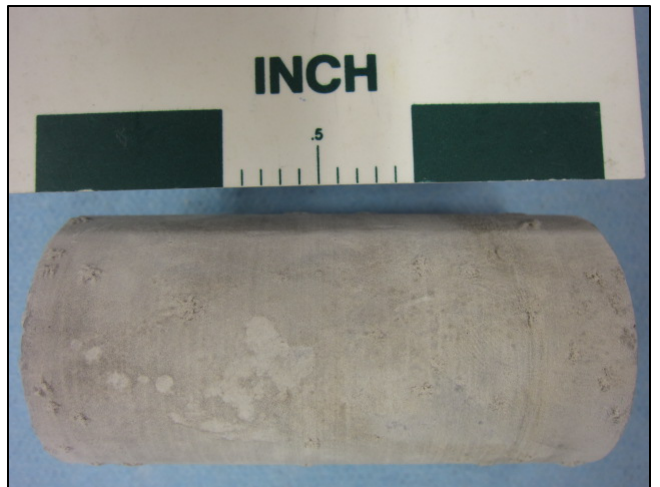
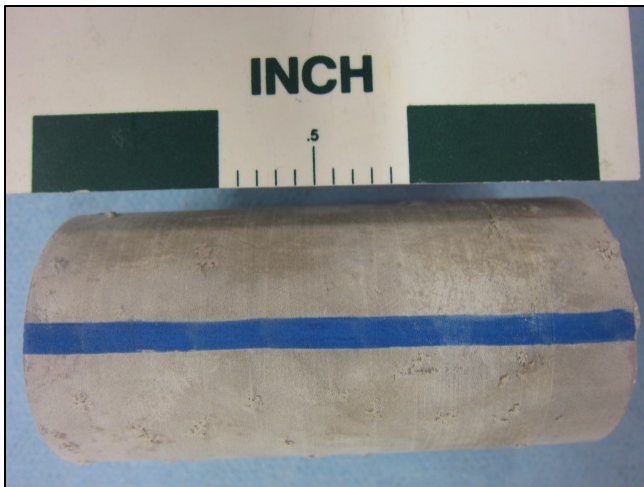
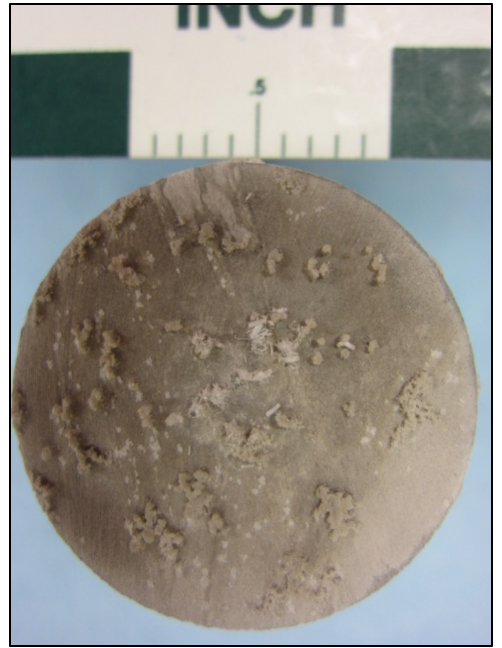


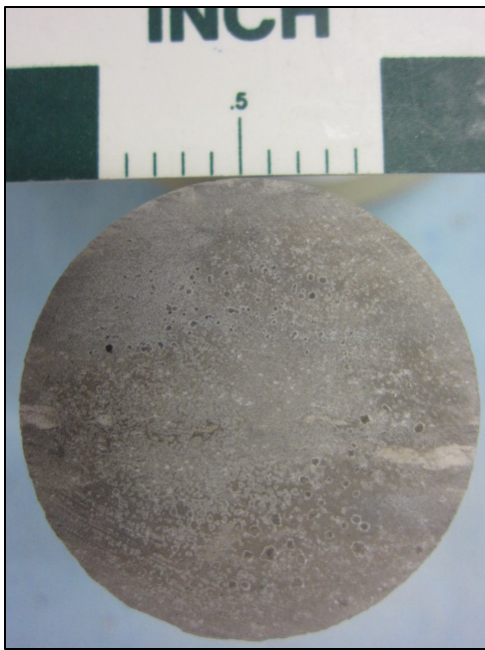
4-18
3709.1'



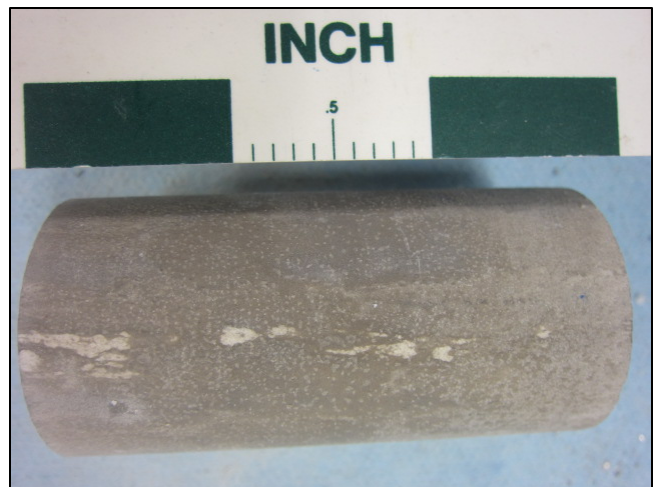
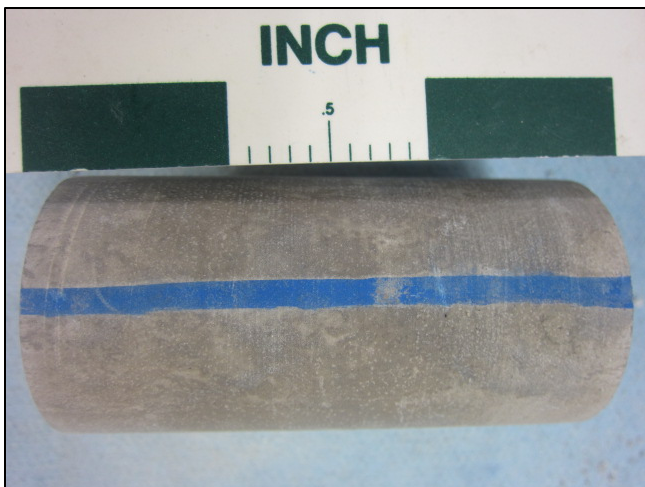
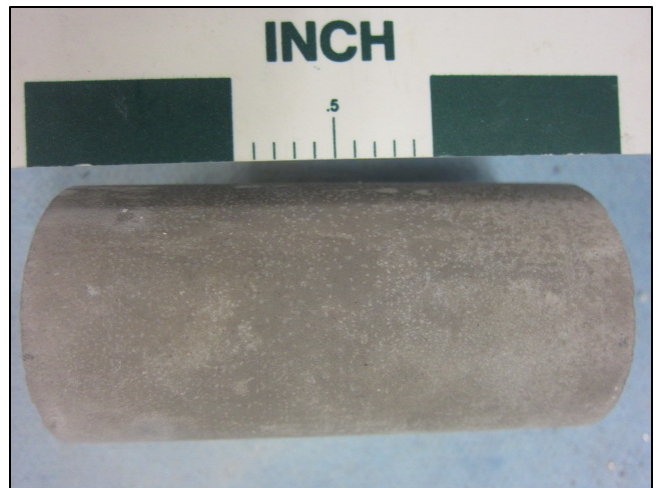
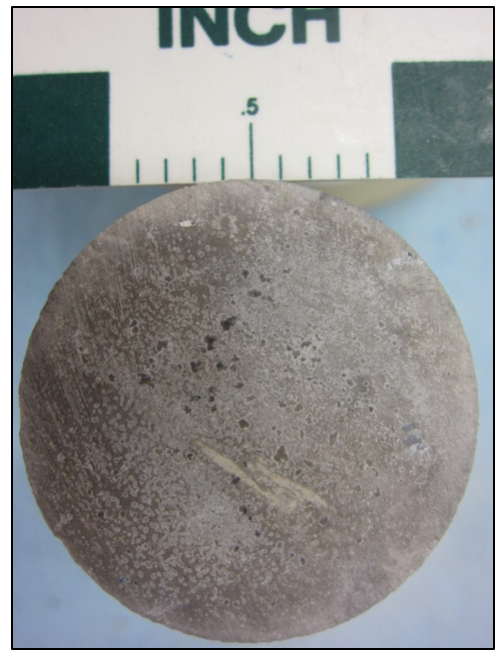


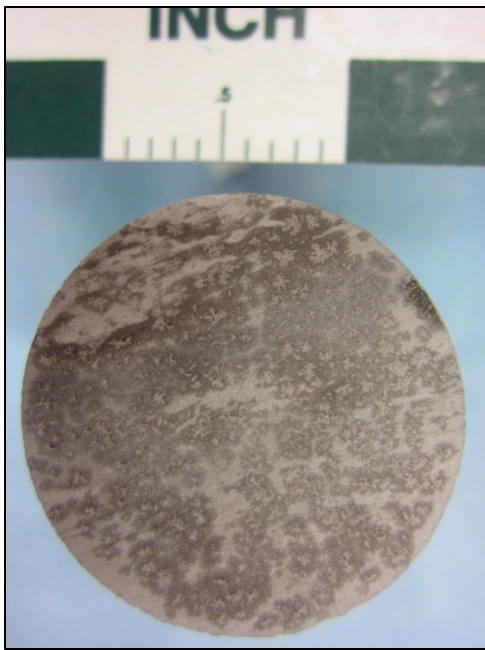
4-23
3714.1'



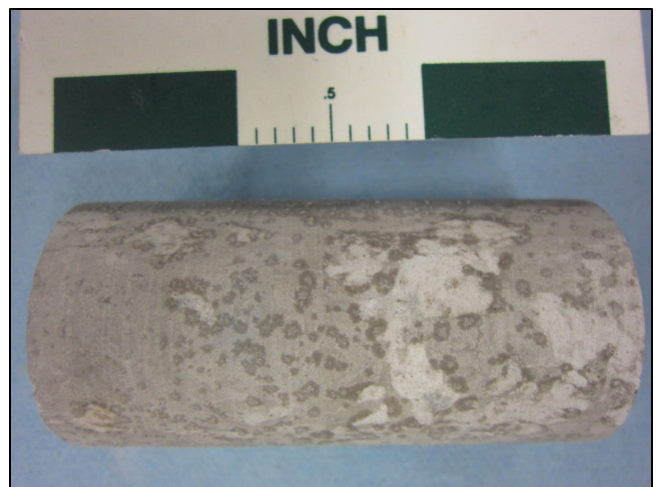
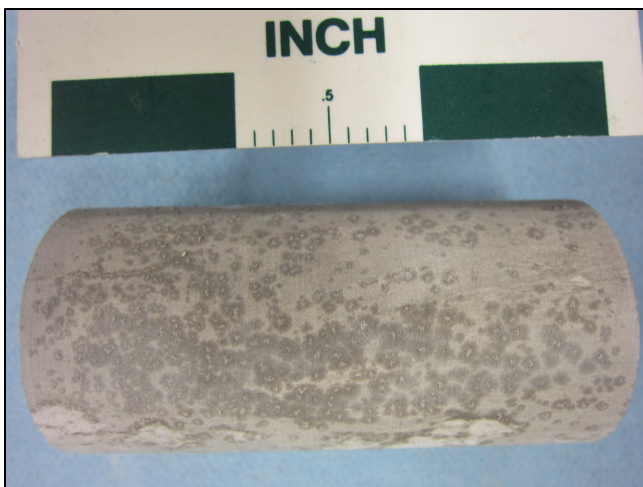
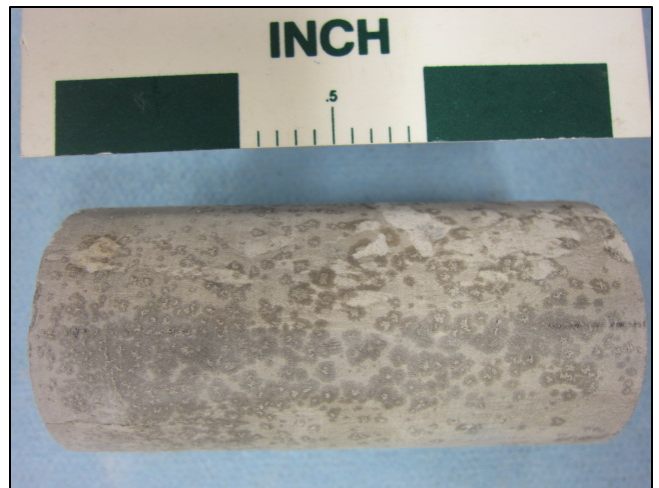
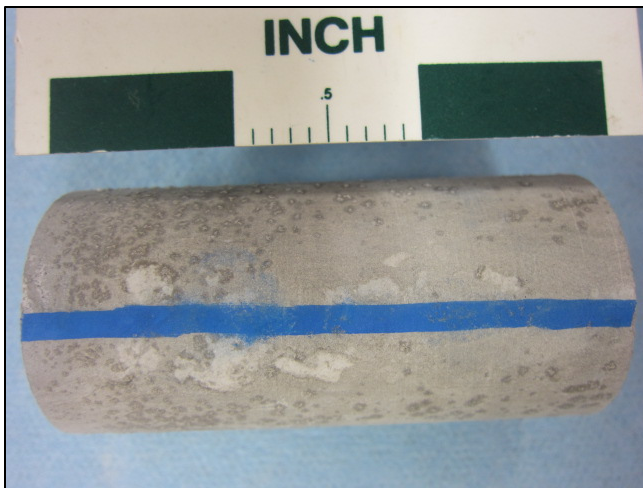
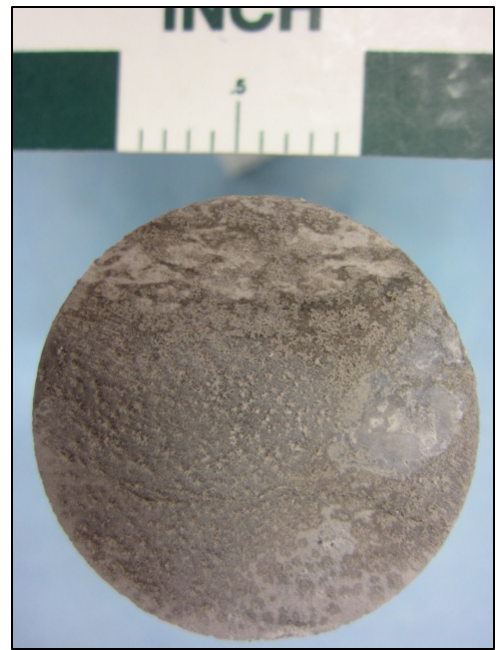


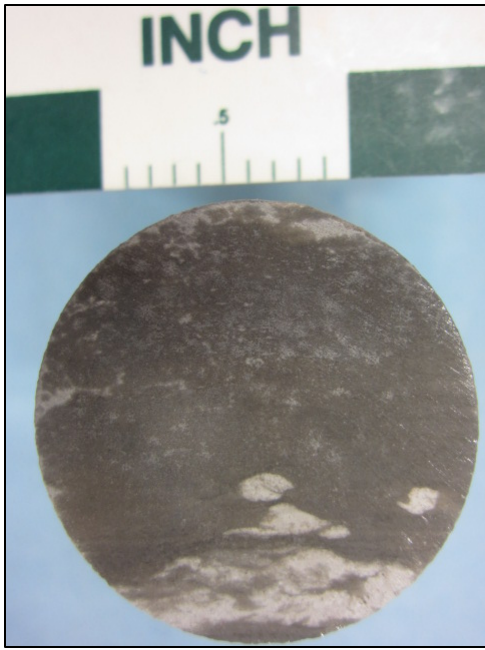
4-26
3717.9'



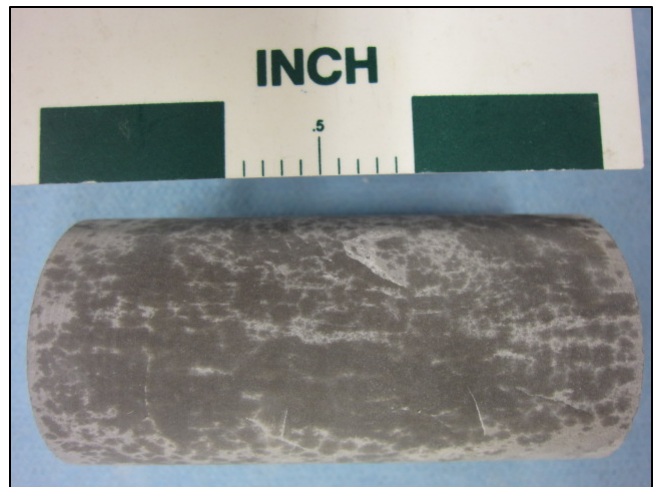
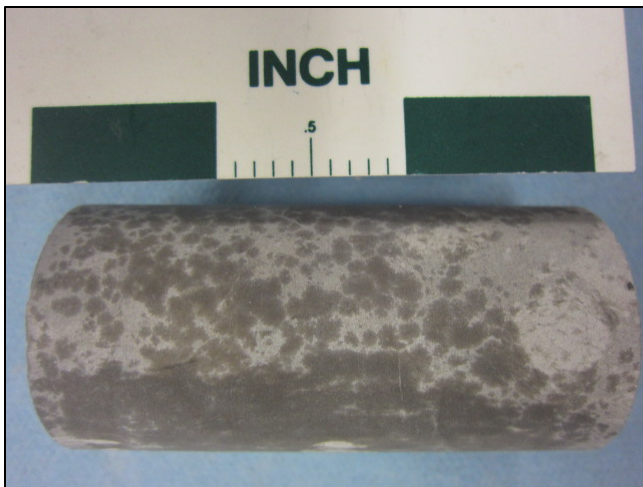
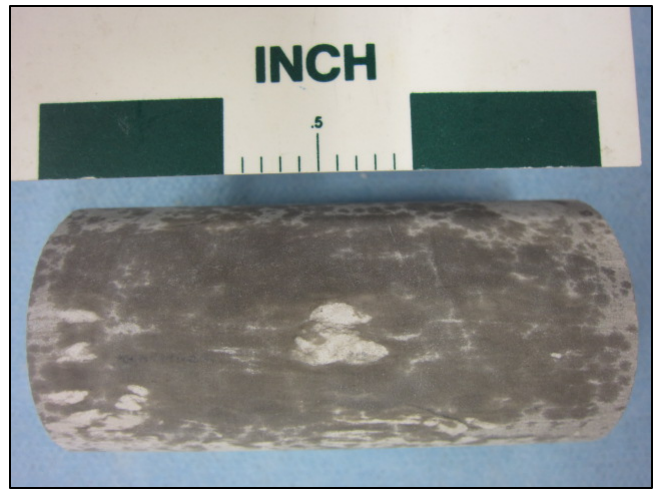
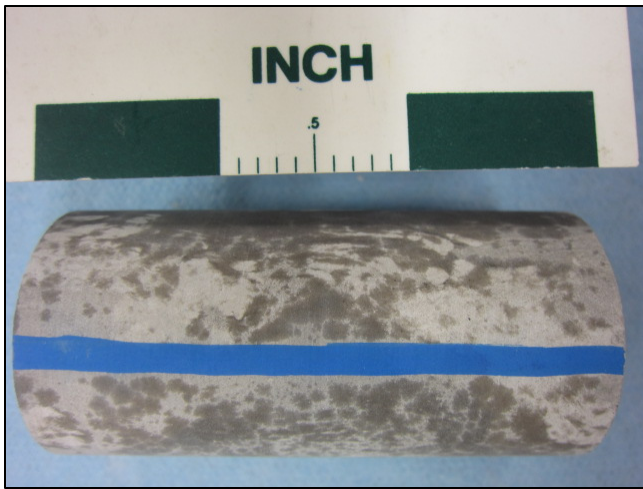
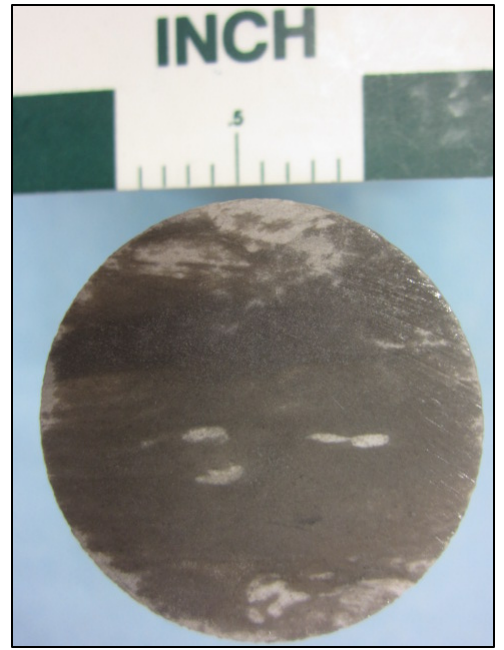


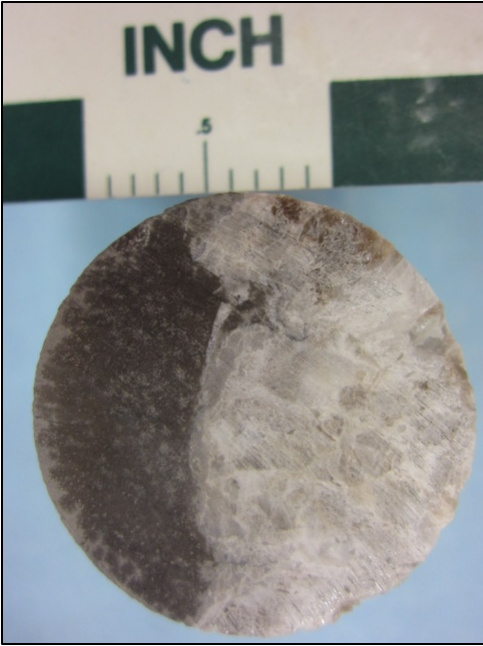
4-31
3722.4'



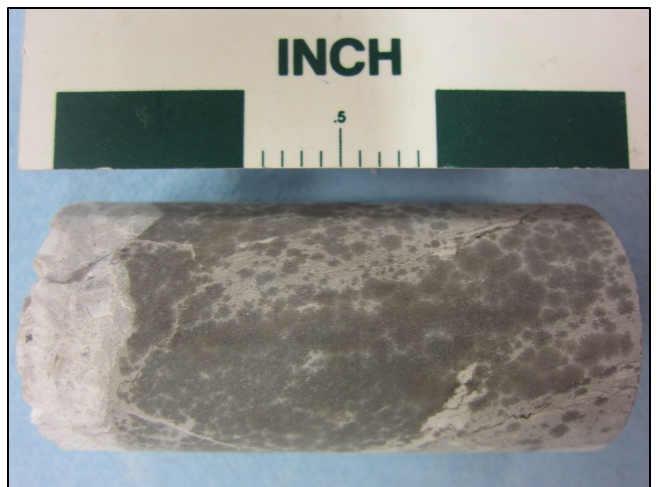
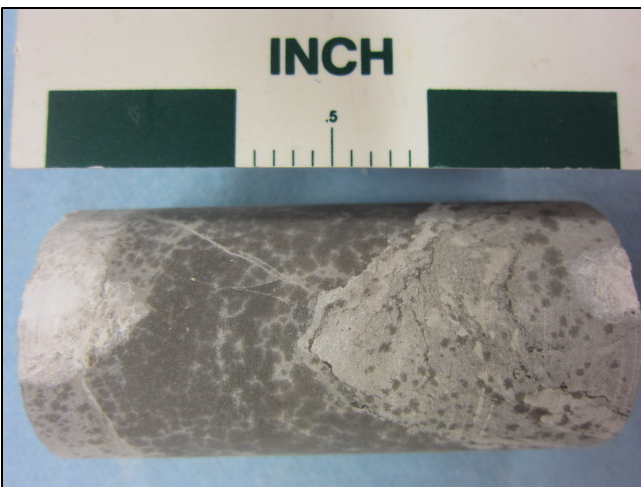
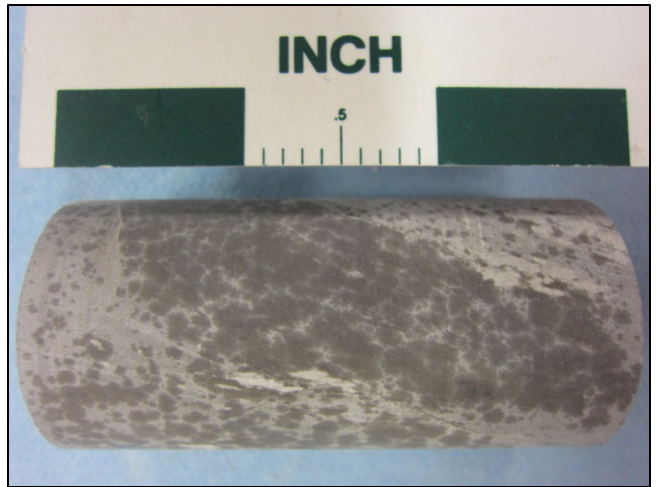
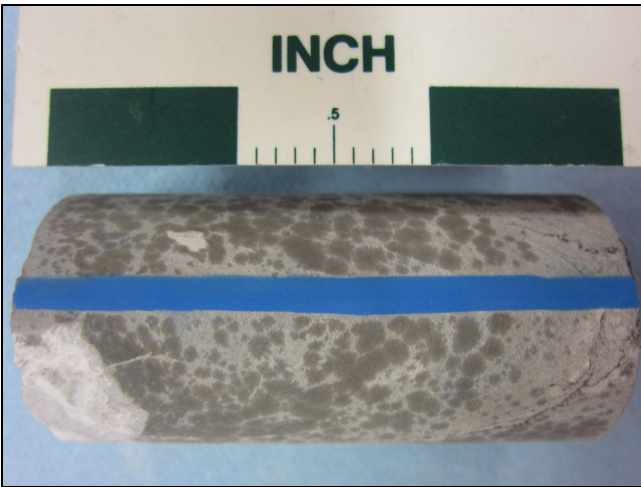


4-37
3728.4'



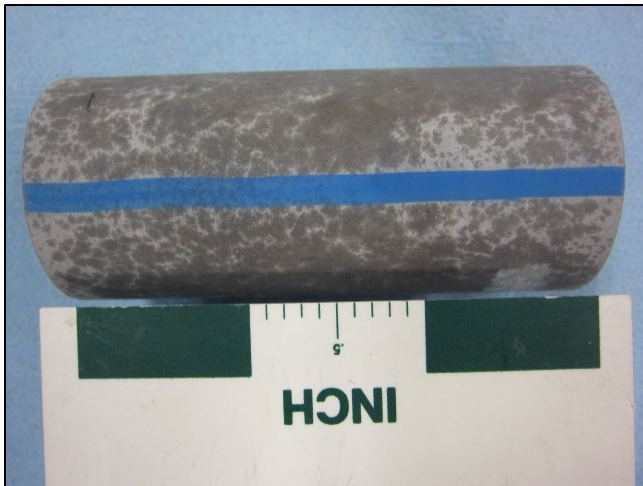
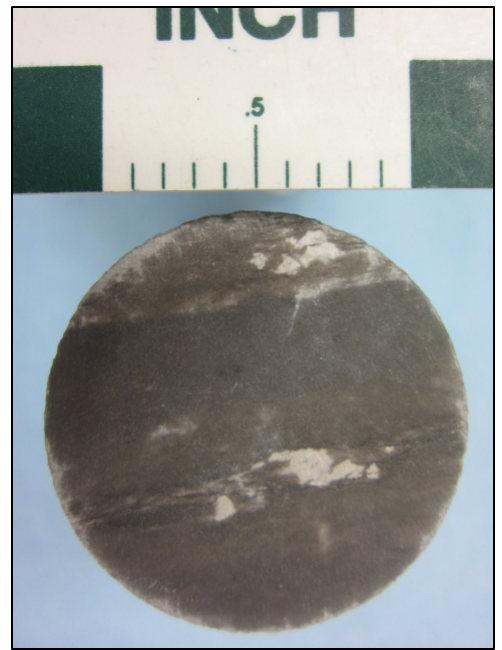


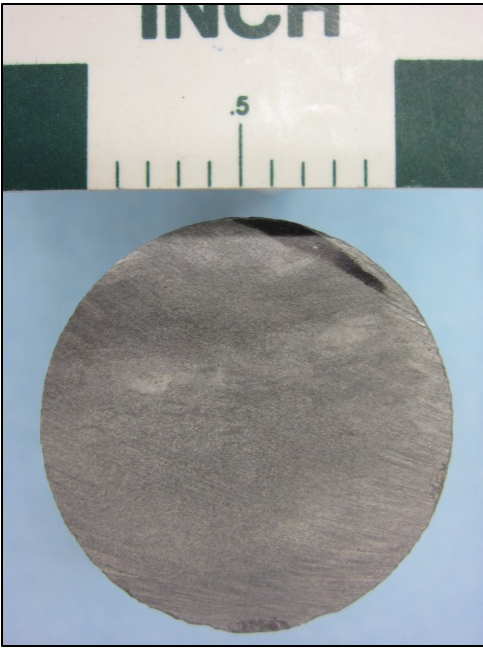
4-40
3731.9'



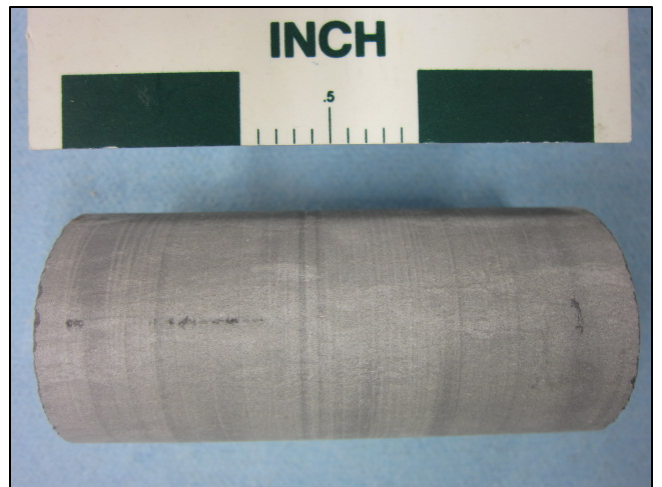
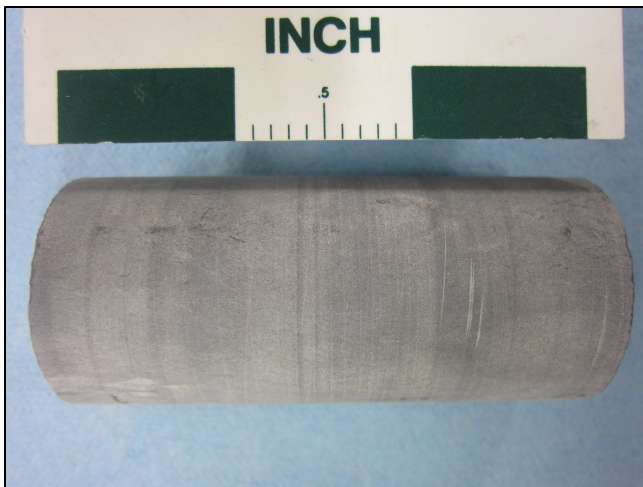
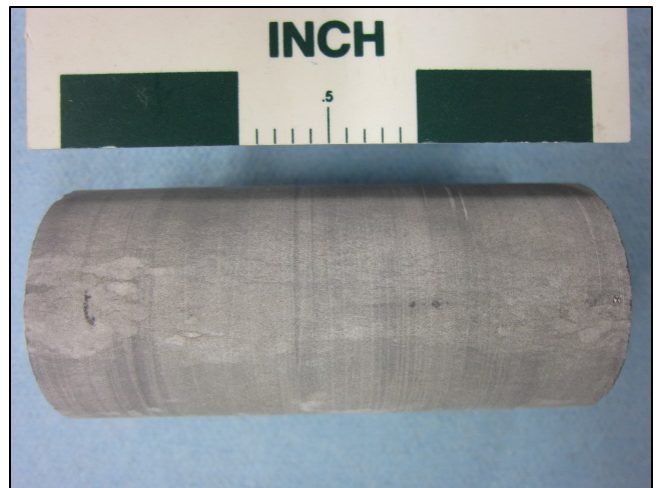
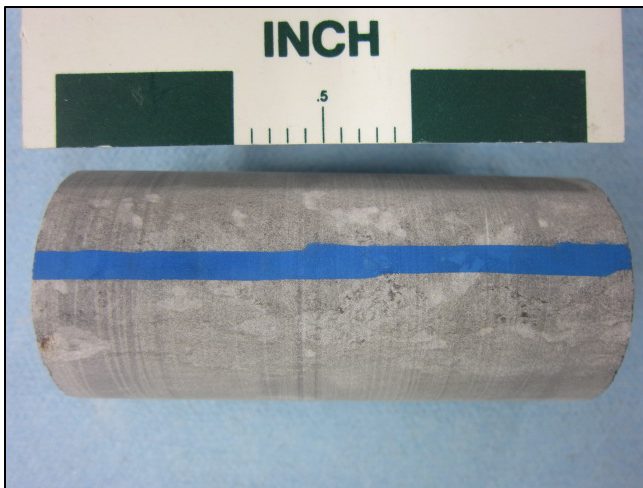
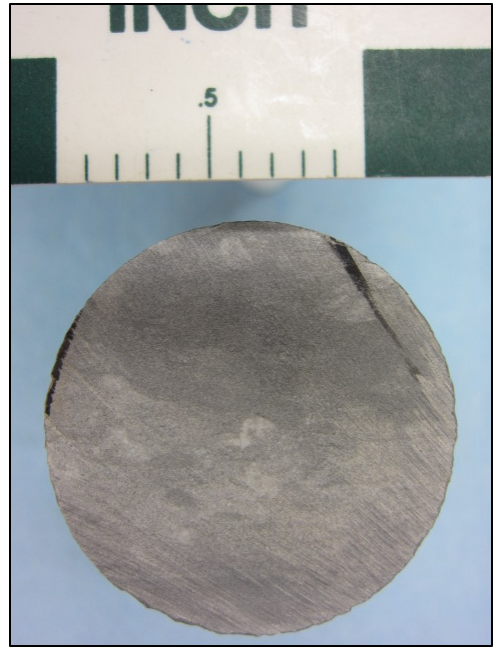


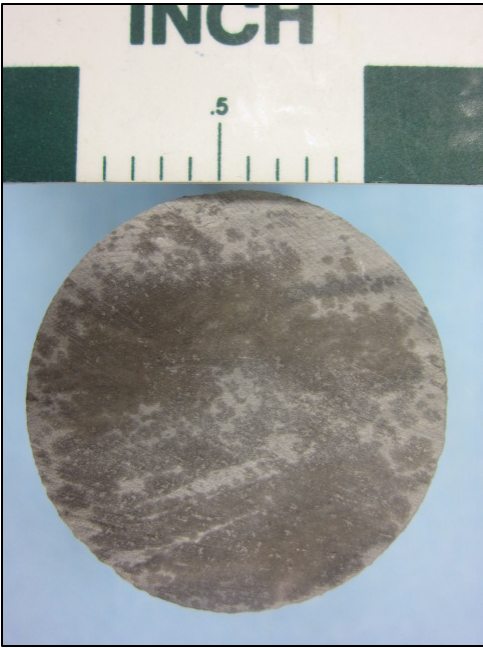
4-42
3733.7'



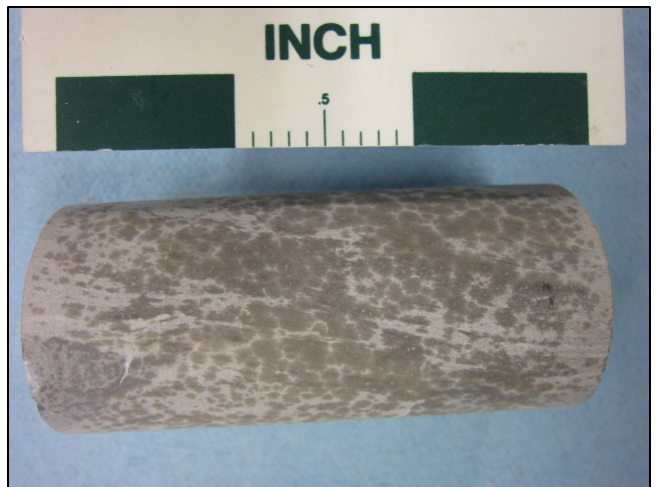
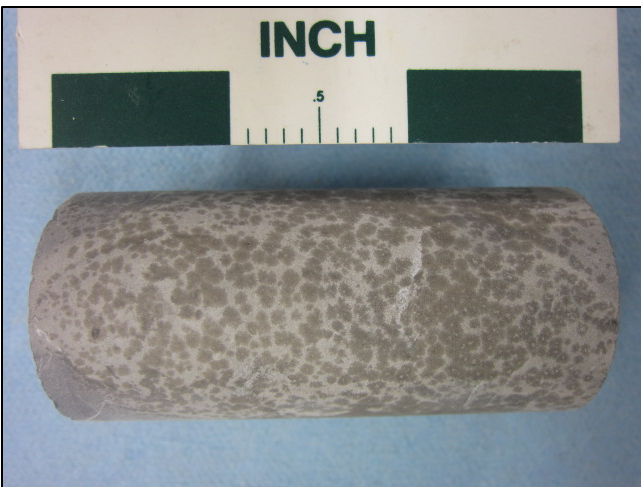
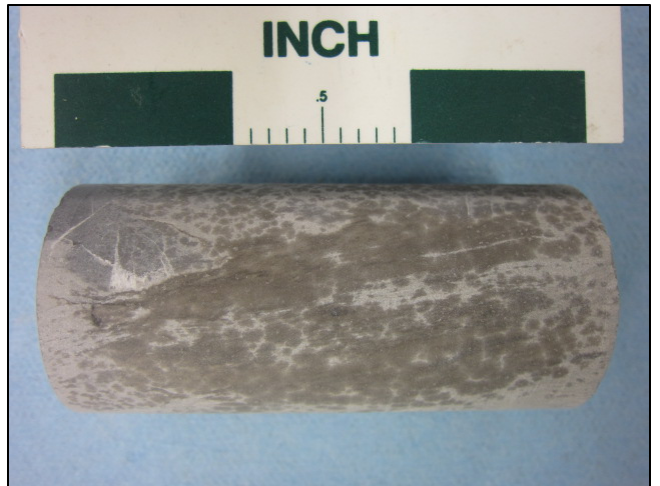
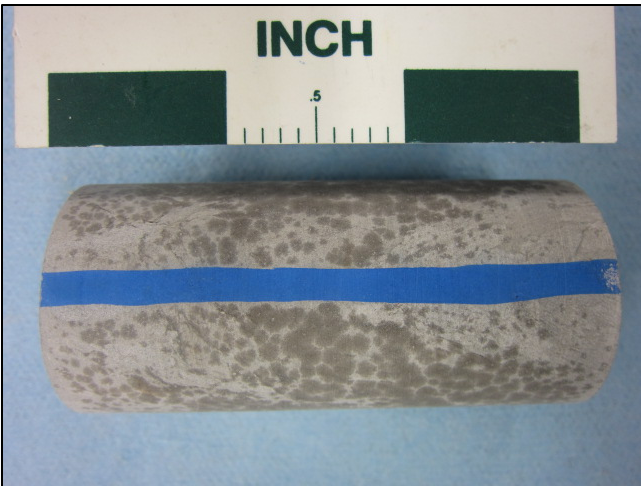
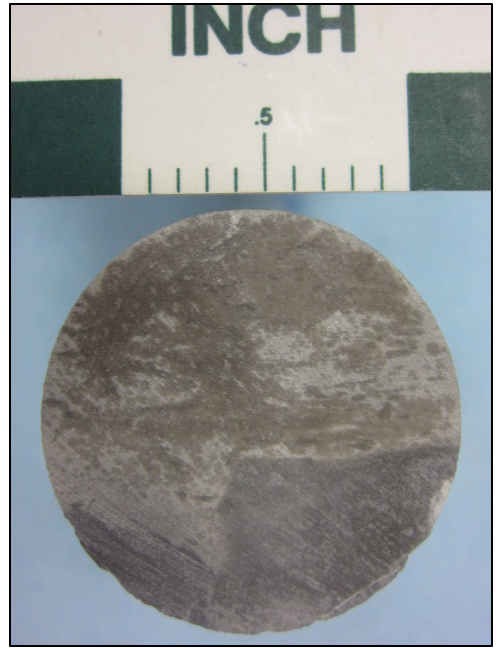


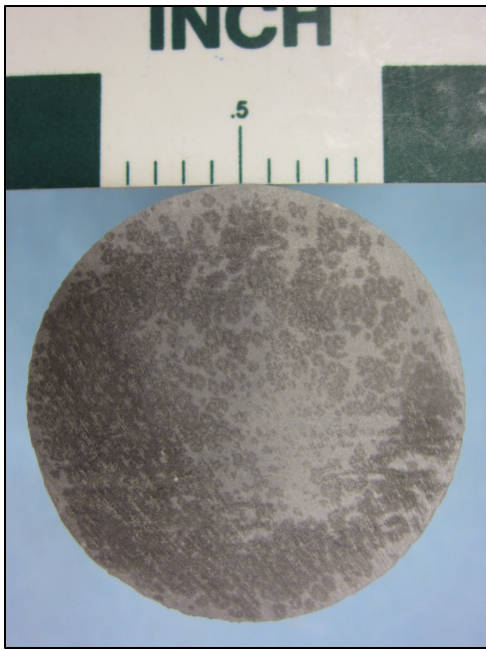
4-48
3739.8'



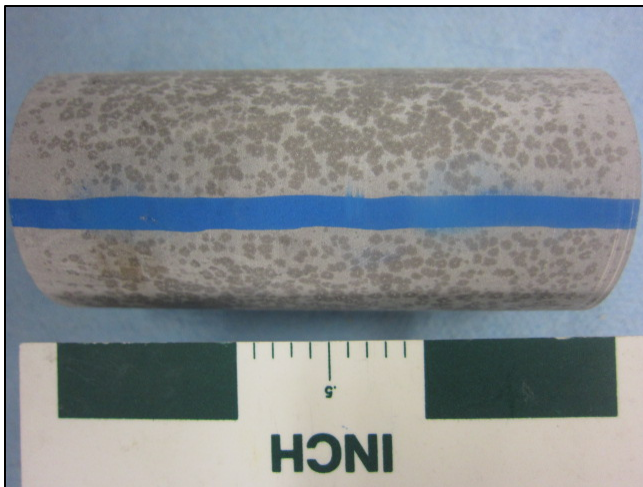
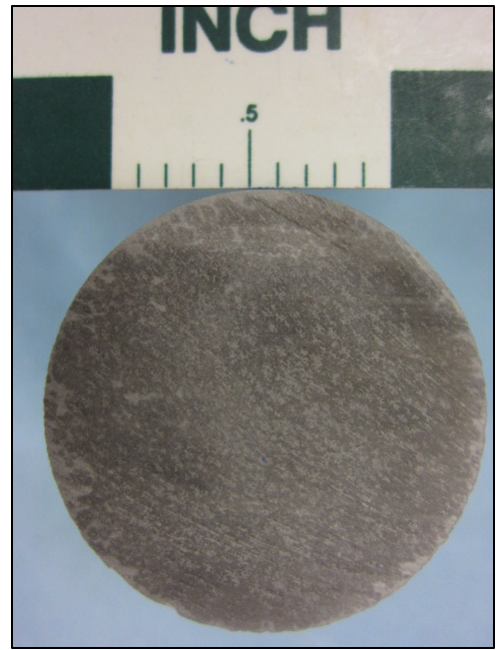


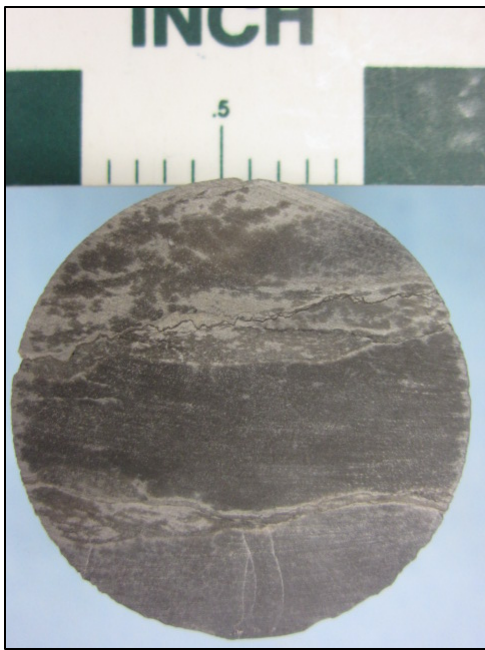
4-55
3746.9'



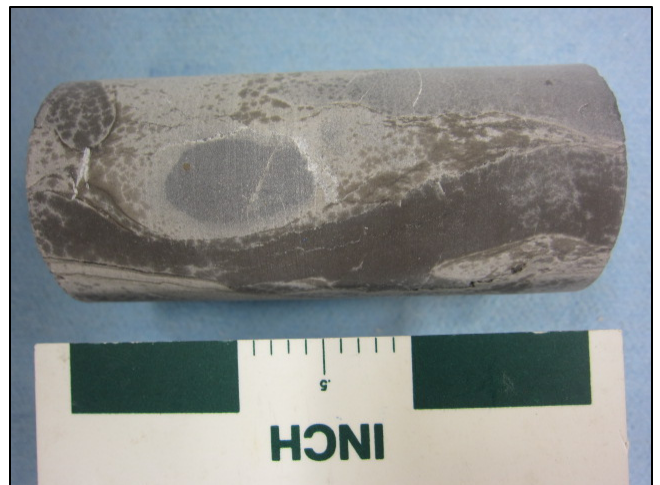
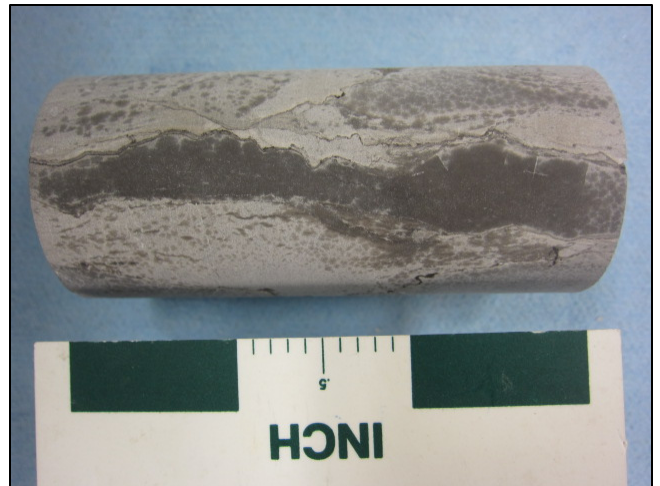
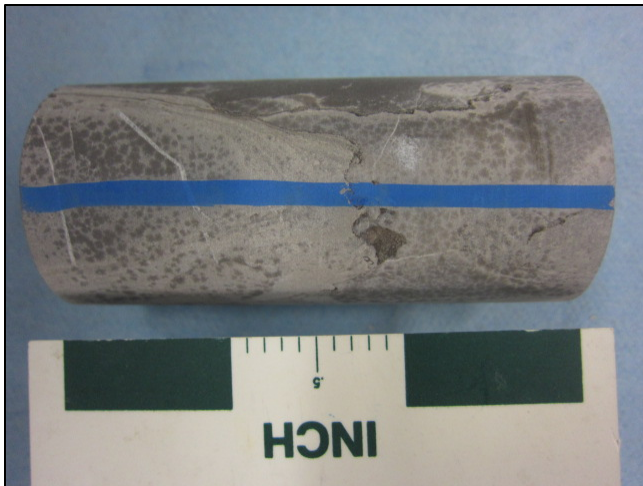
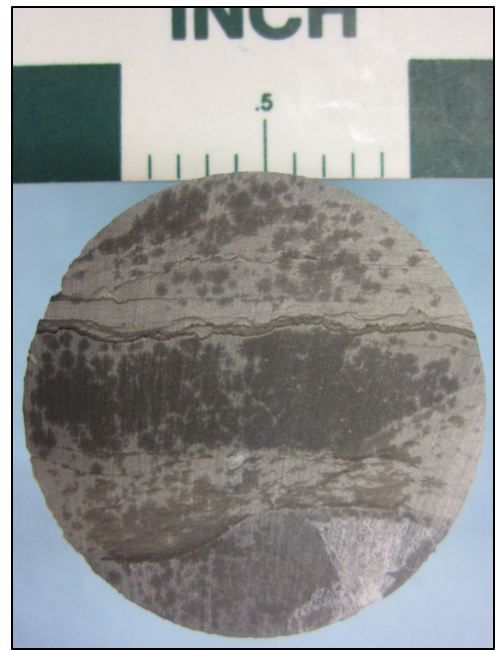


5-3
3754.7'

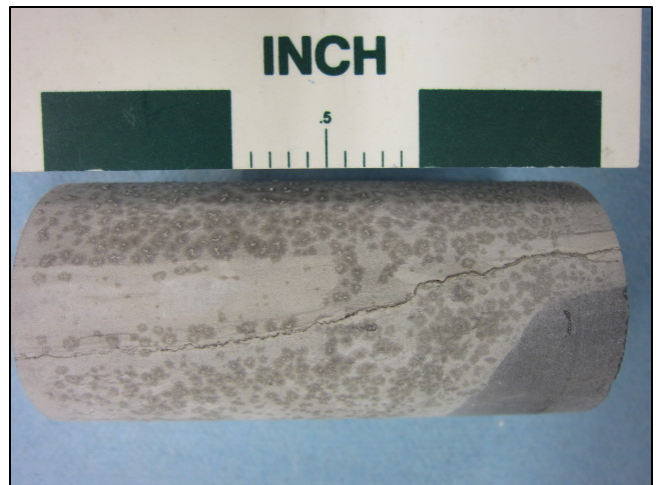
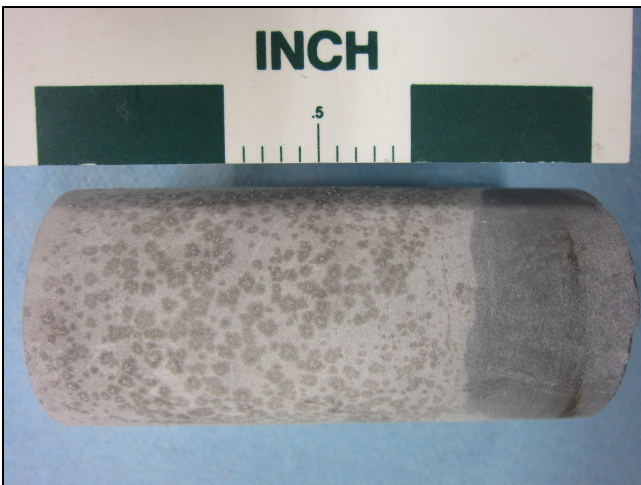
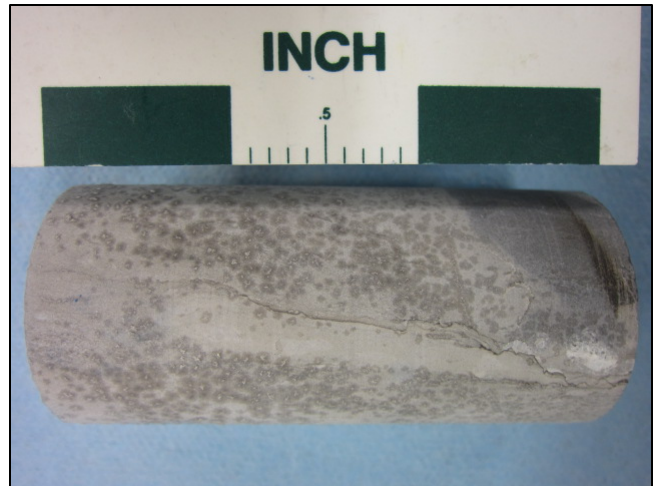
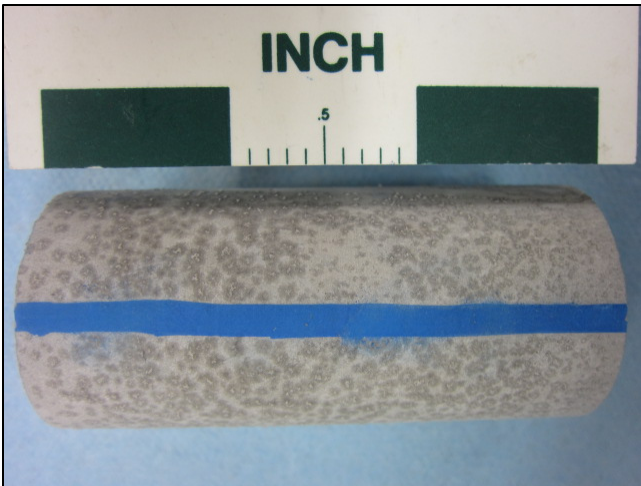
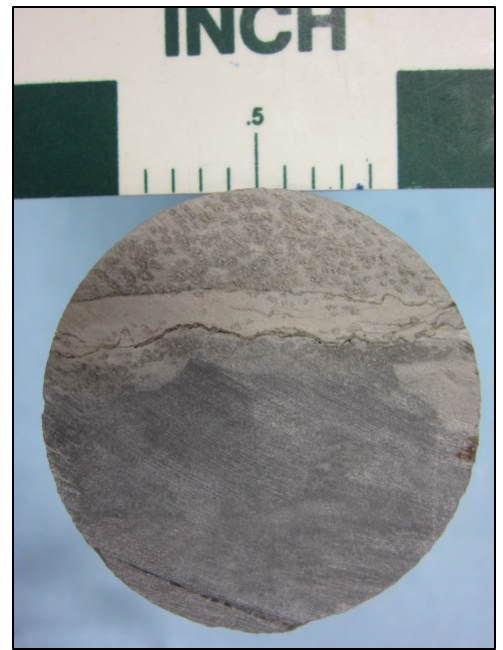
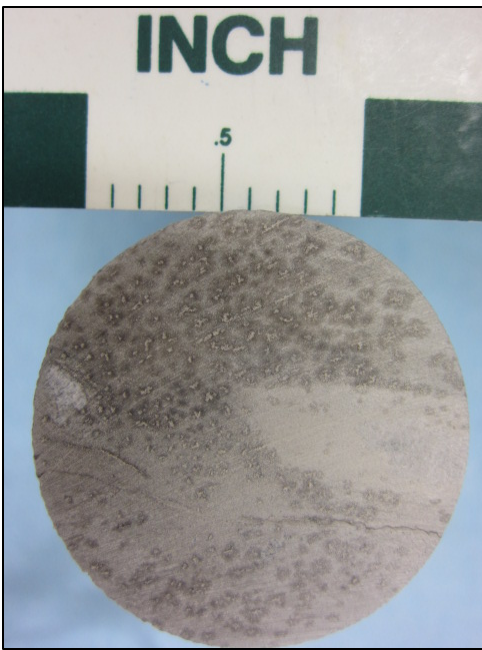


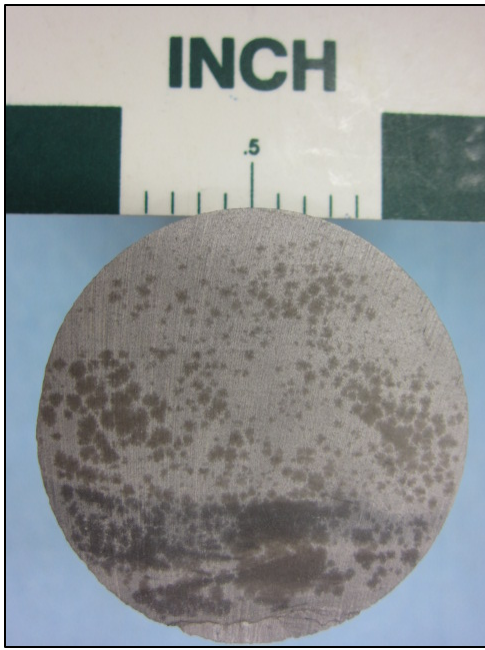


5-11
3762.6'

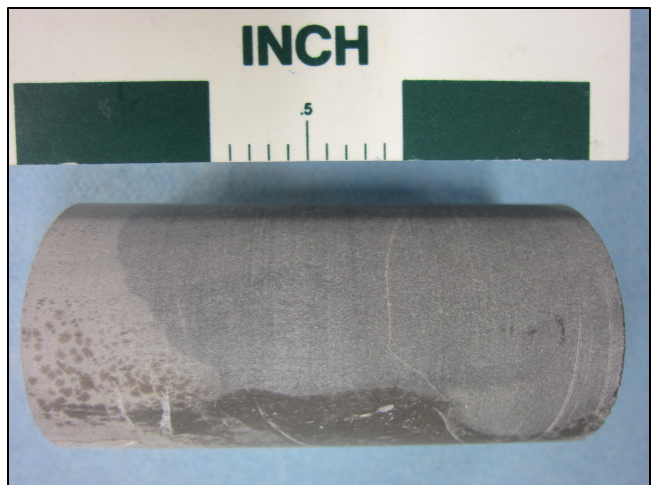
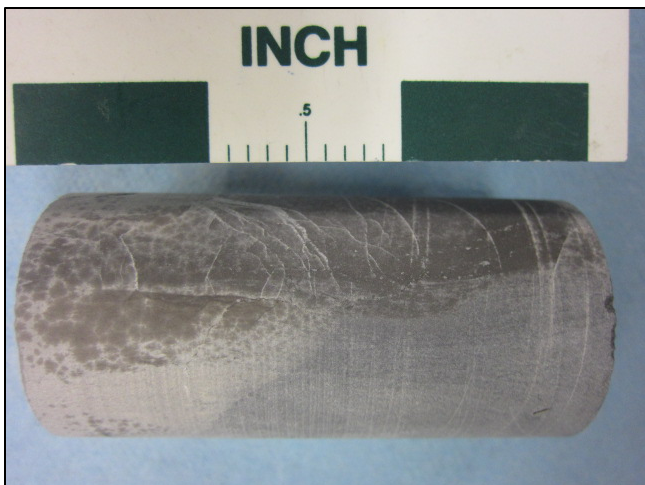
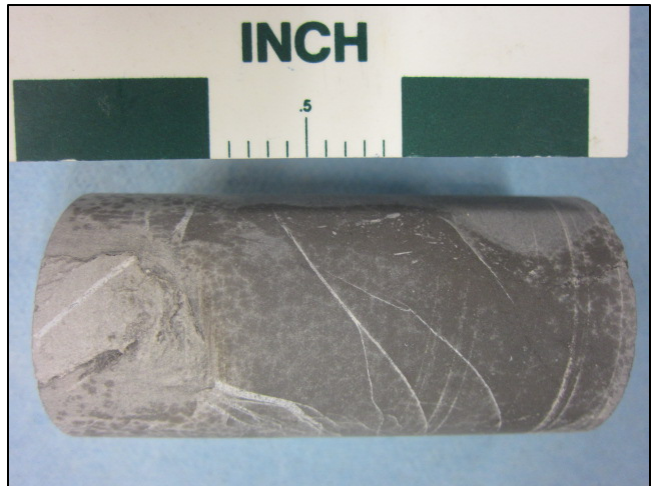
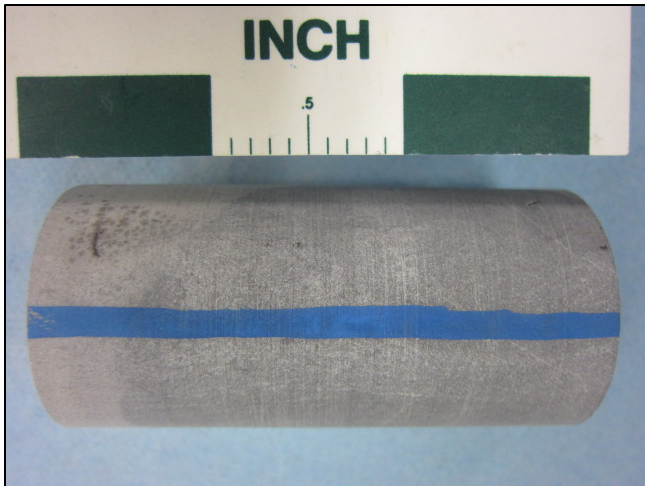
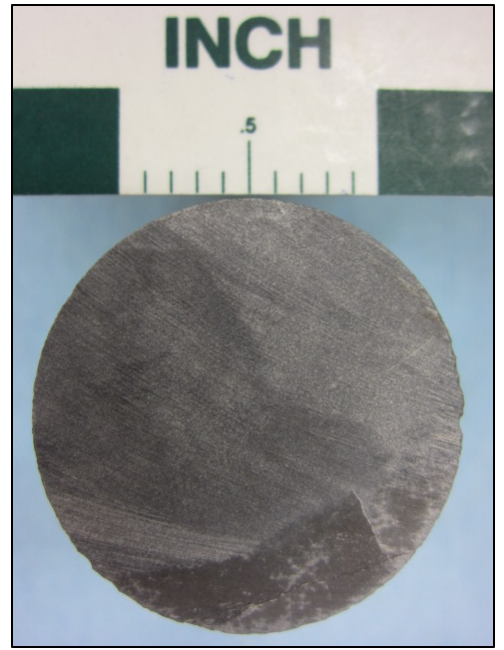


5-16
3767.7'

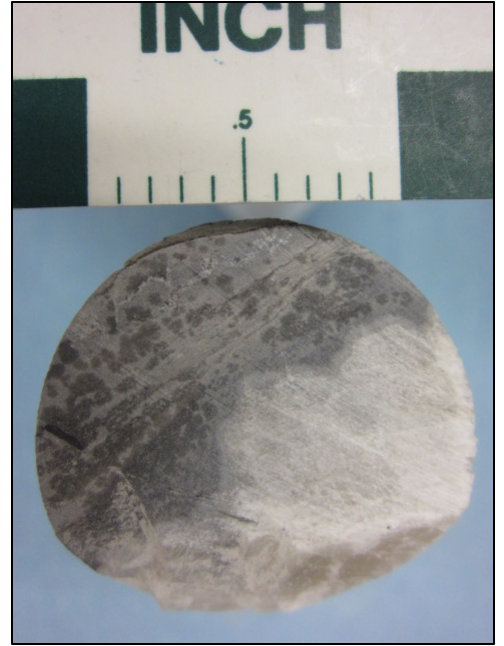
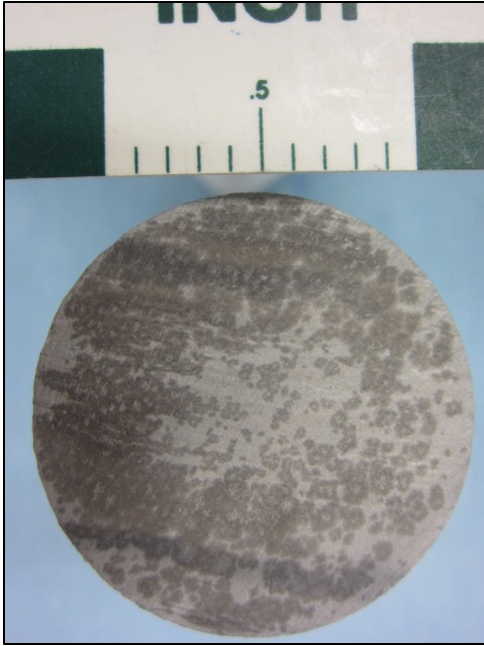




5-26
3777.5

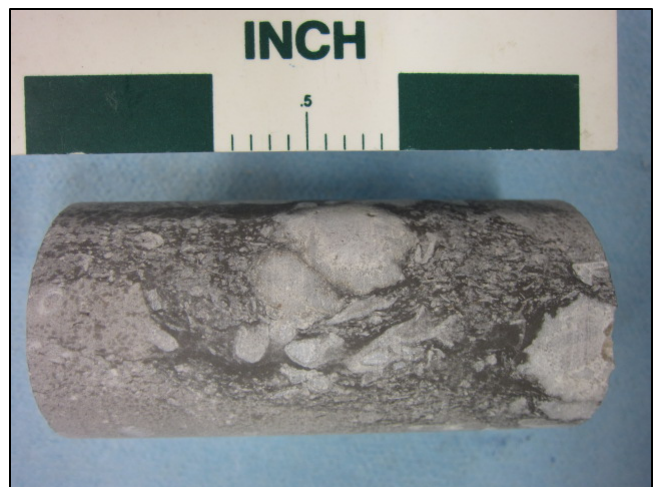
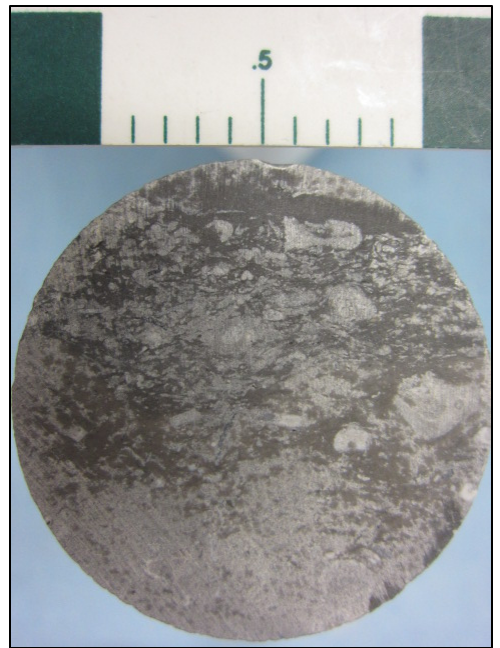


5-38
3789.2



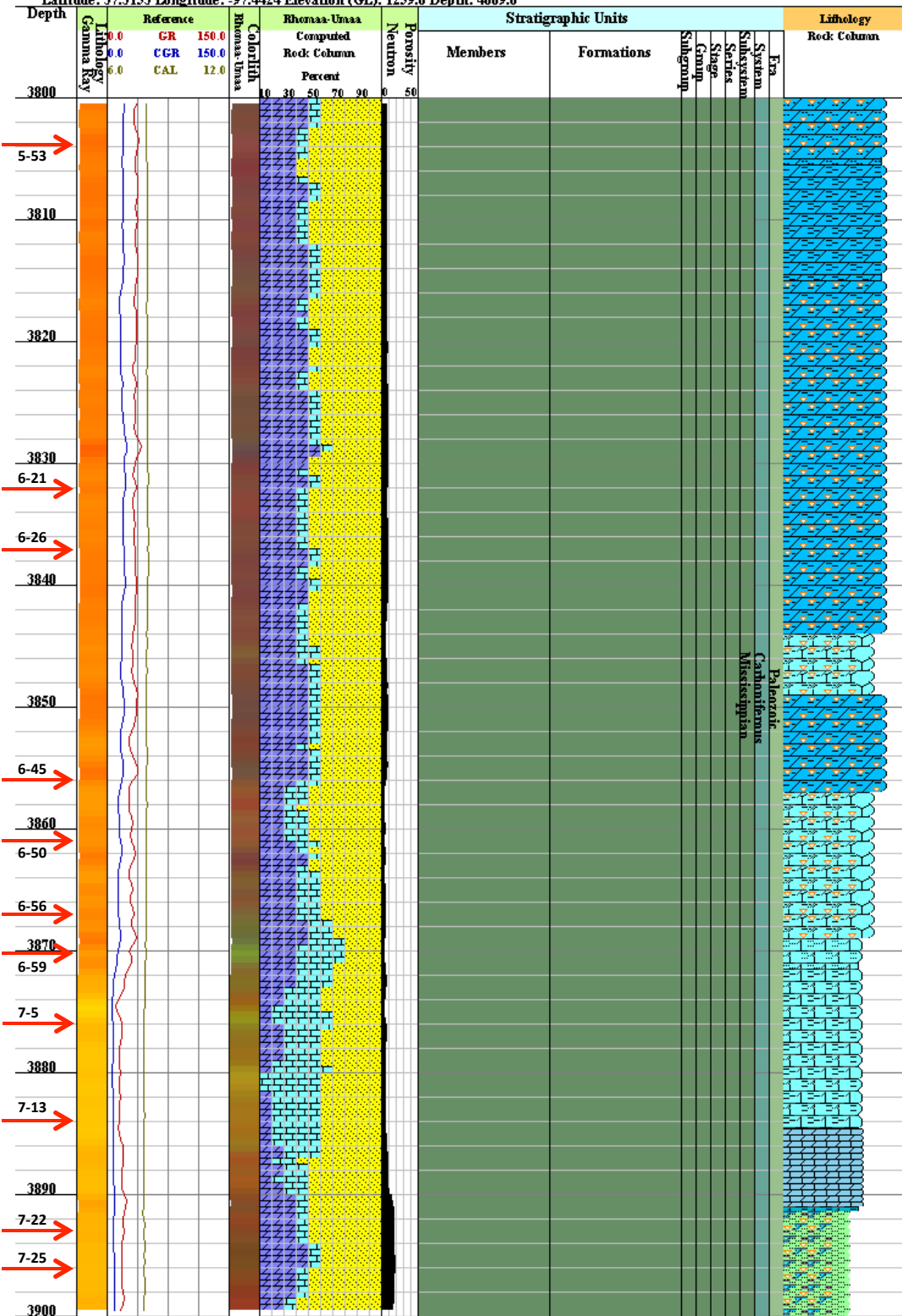


5-44
3795.3'

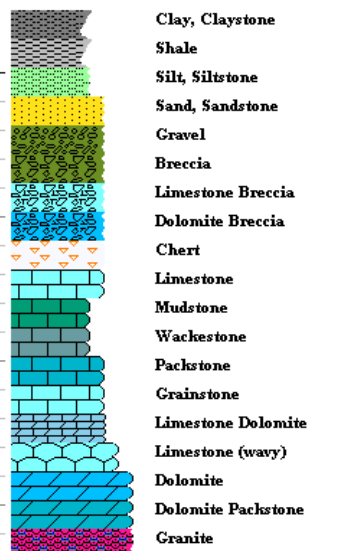


Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32

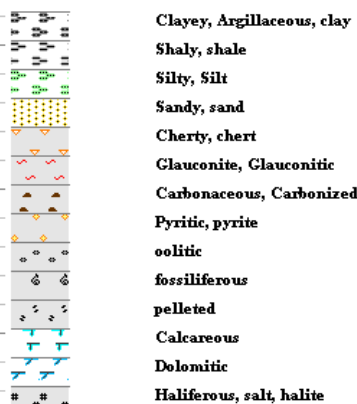
Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



Primary Rock Lithology



Secondary Rock Lithology



3806

3809

CORE 5



3812

3815

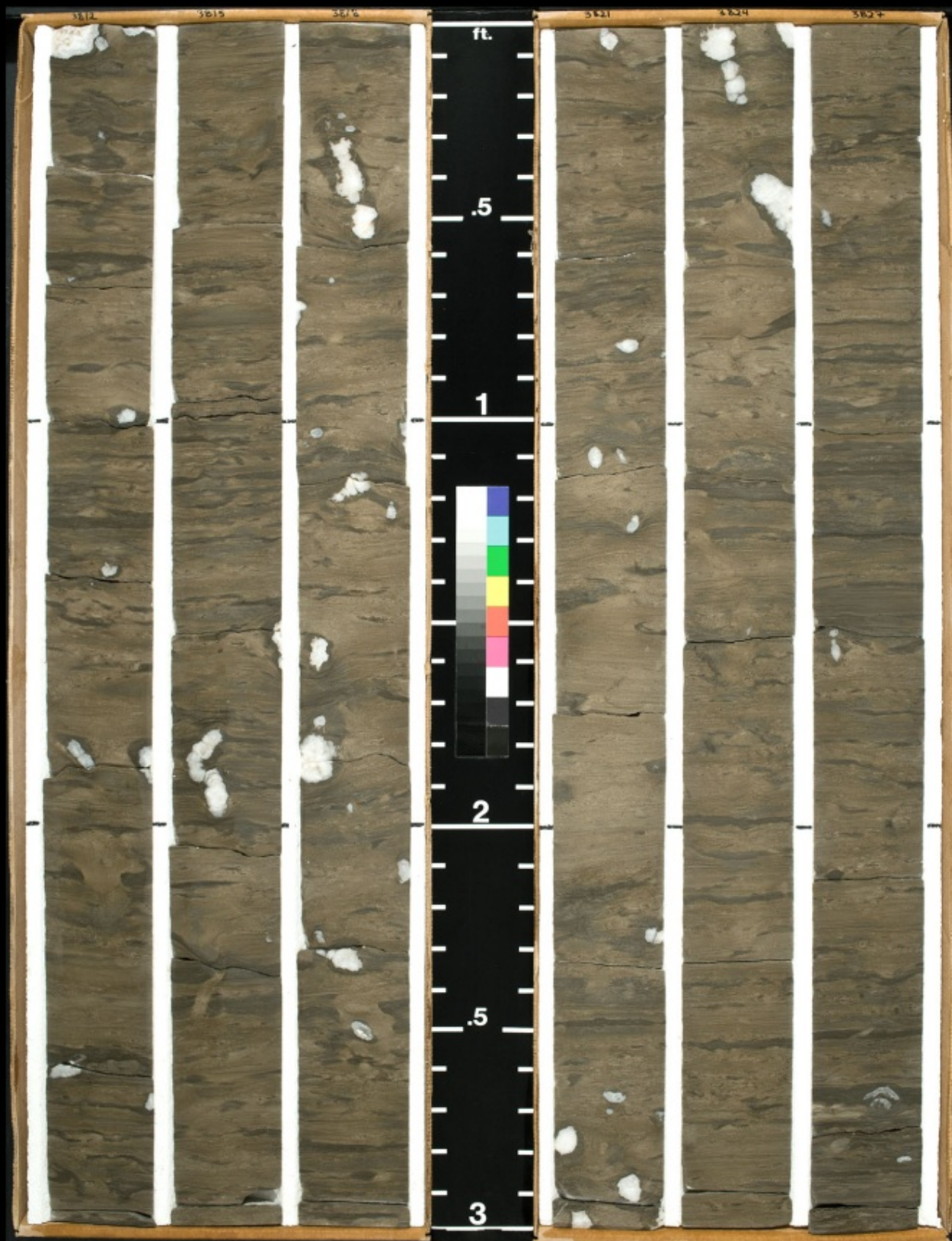
3818

CORE 6

3821

3824

3827



3830

3833

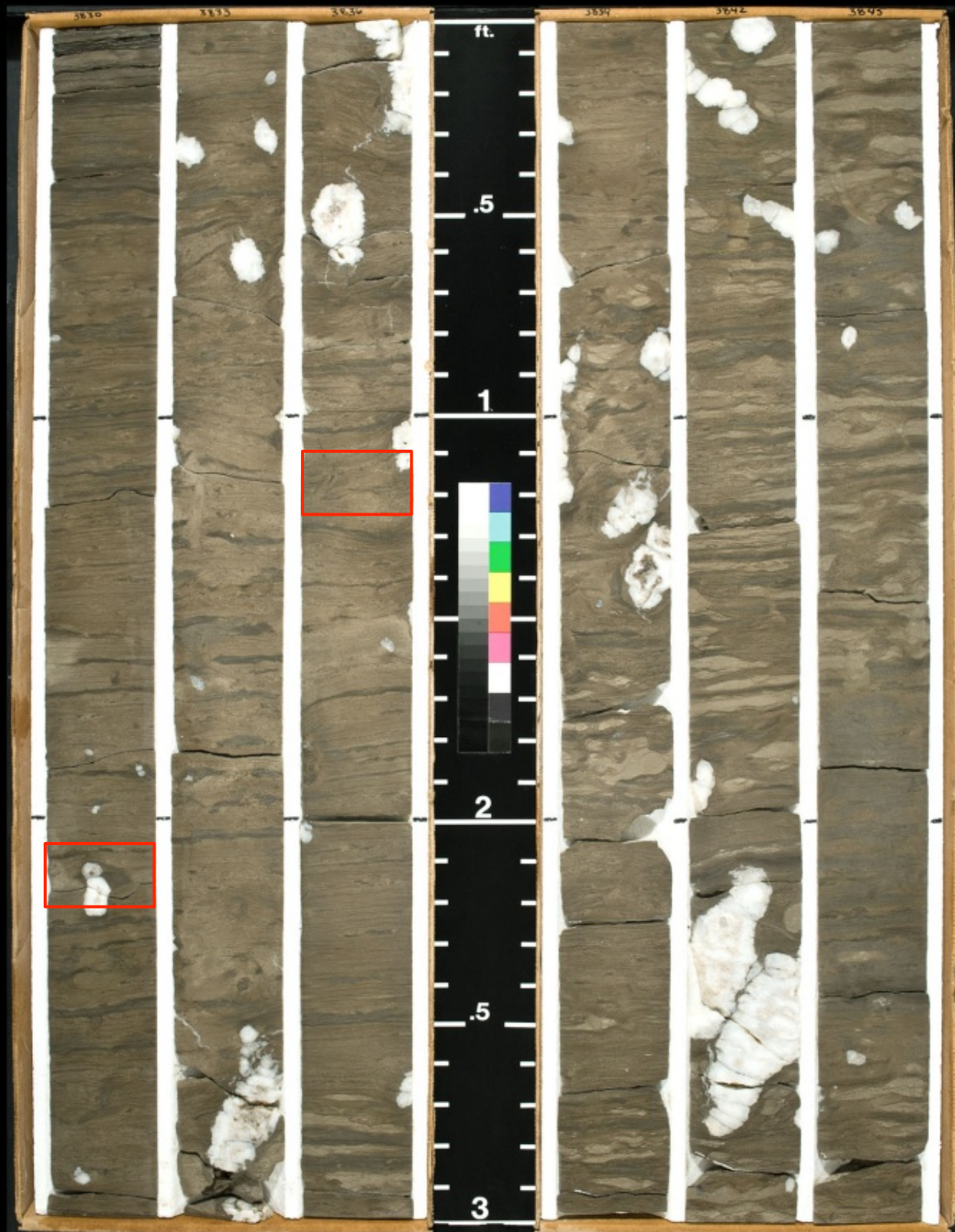
3836

CORE 6

3839

3842

3845



3848

3851

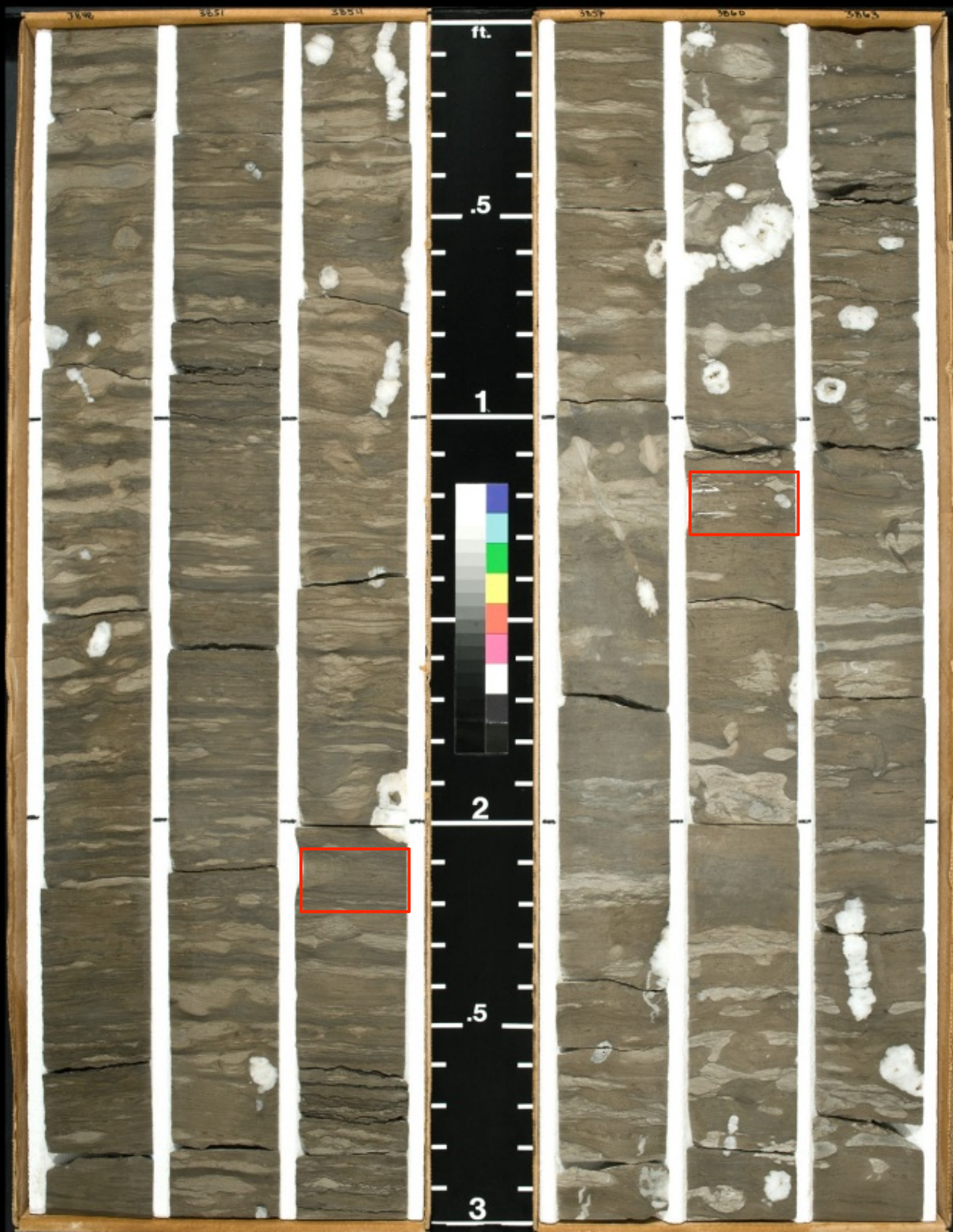
3854

CORE 6

3857

3860

3863

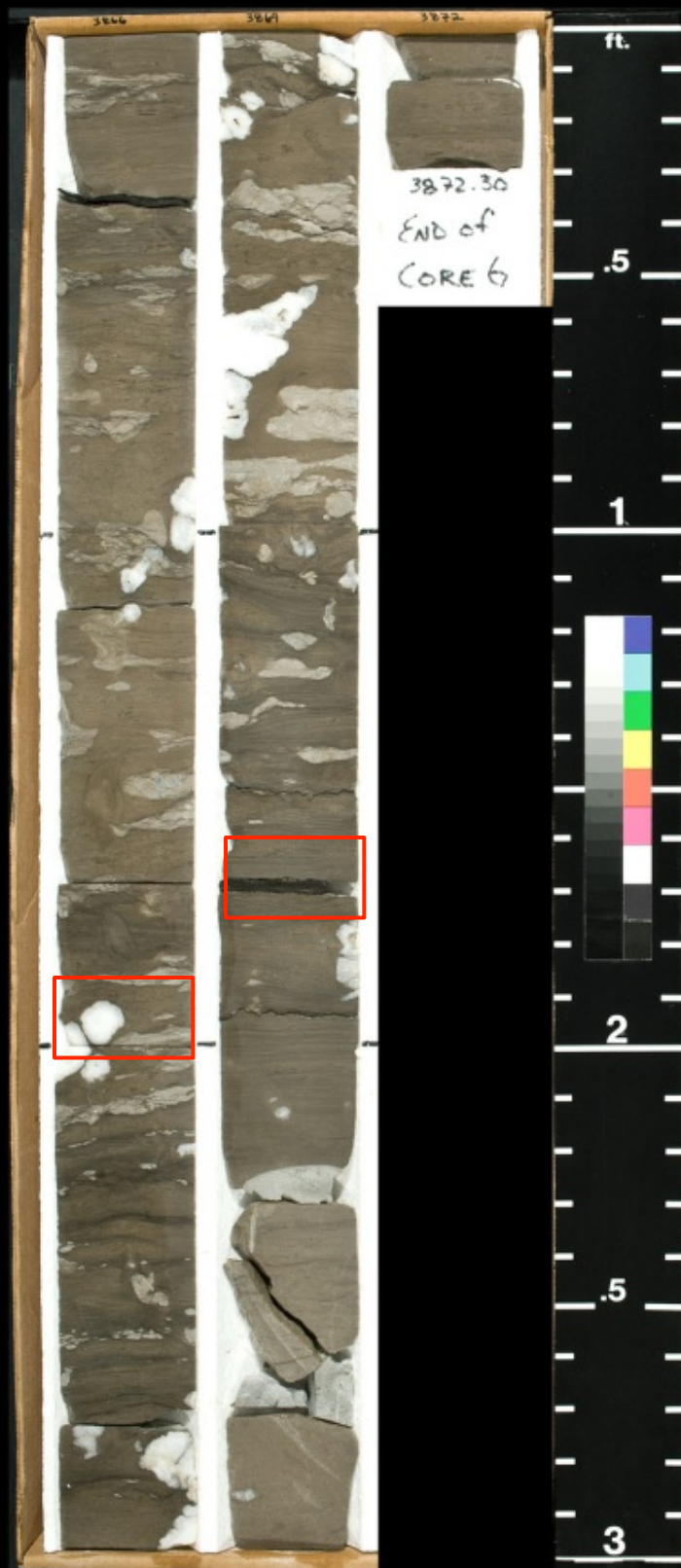


3866

3869

3872

CORE 6



3872

3875

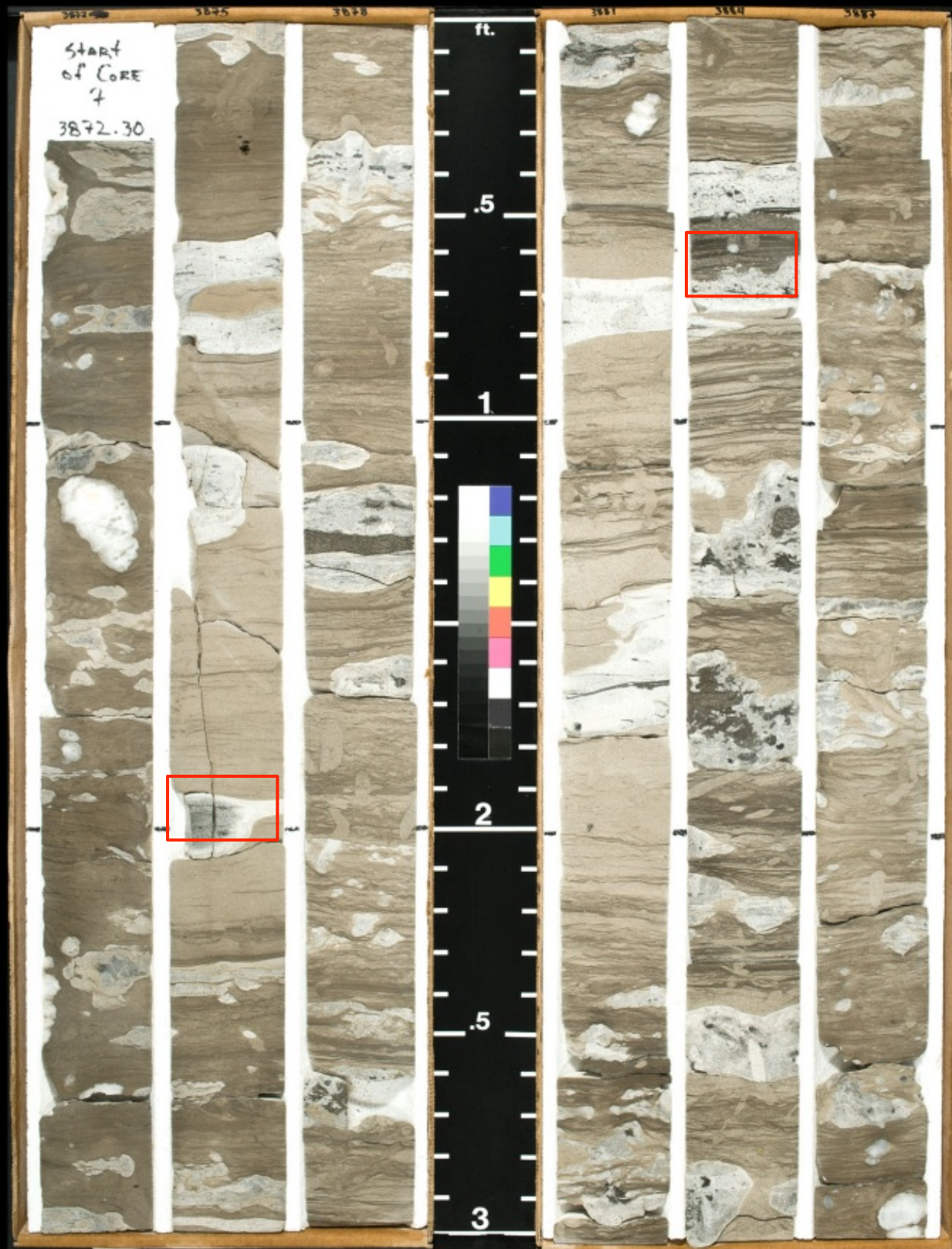
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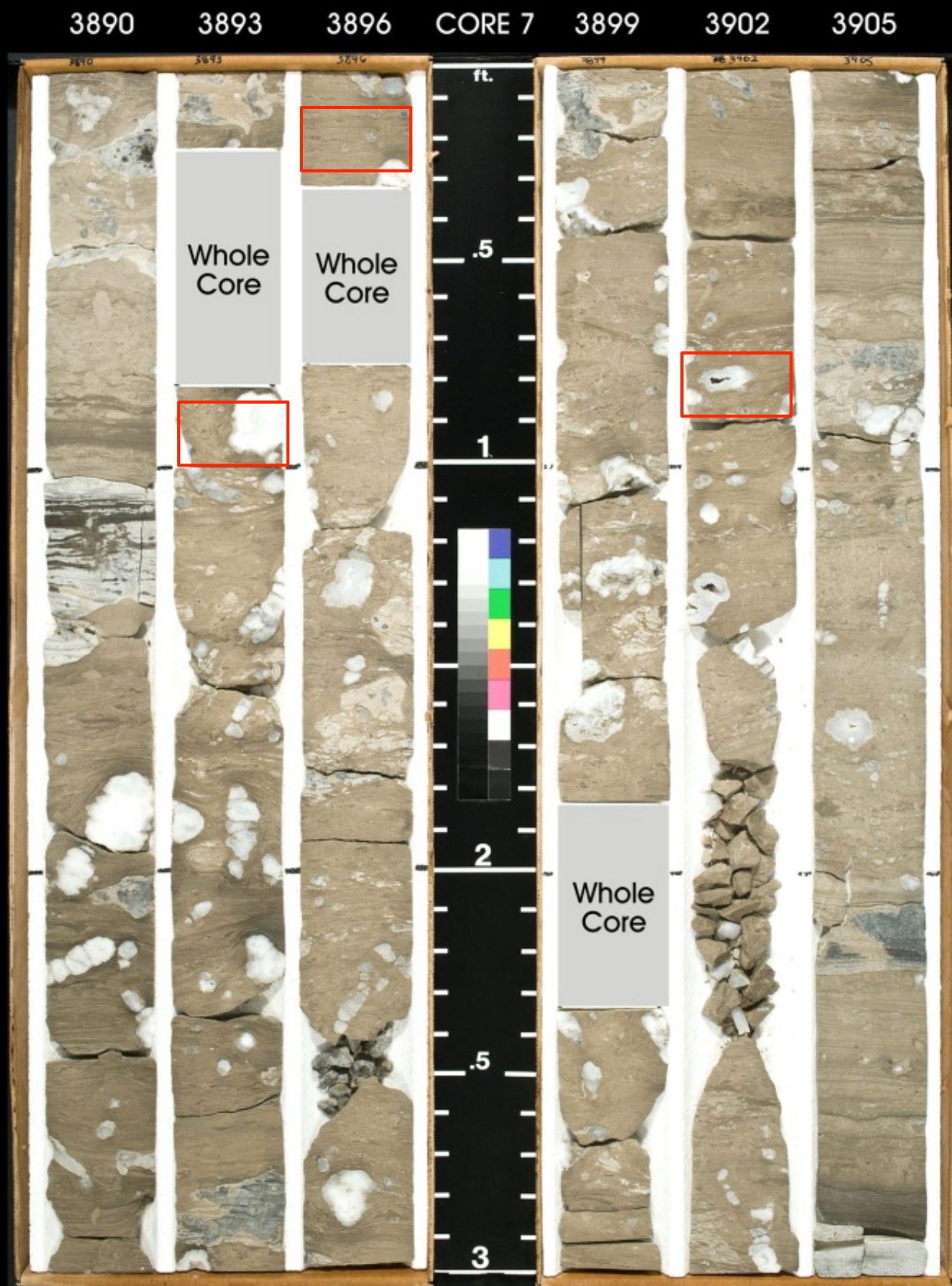
CORE 7

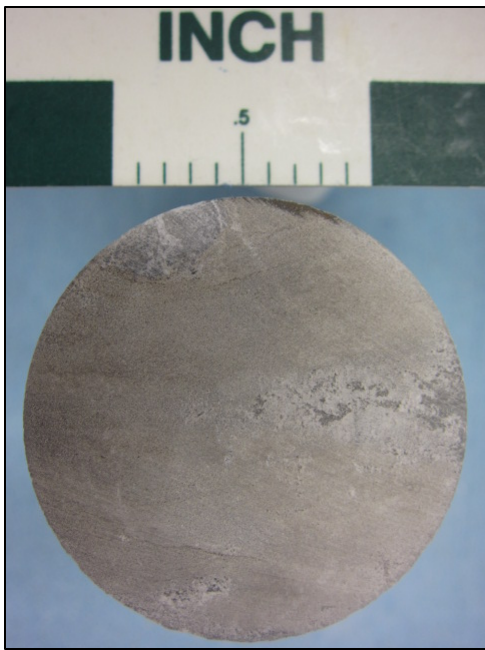
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3884

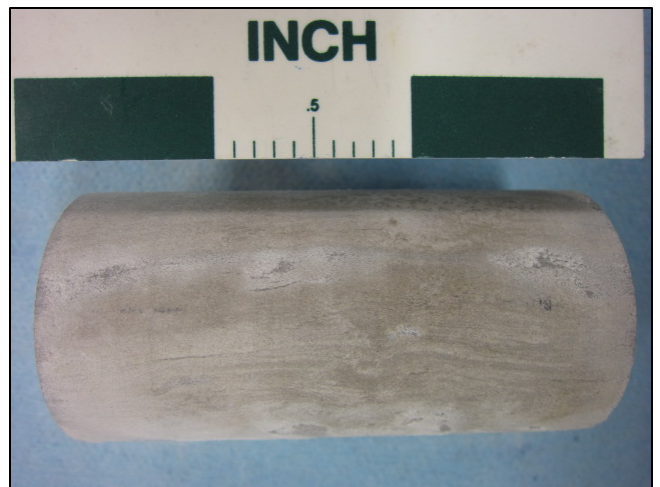
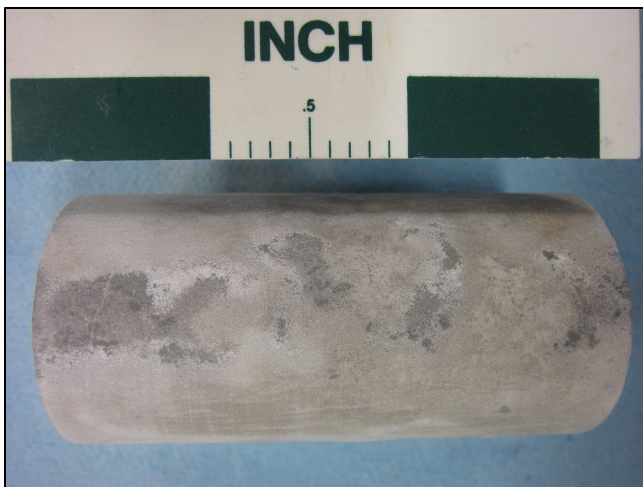
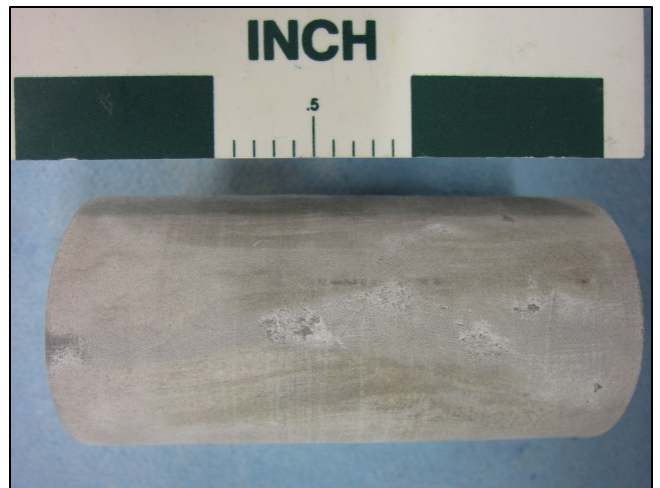
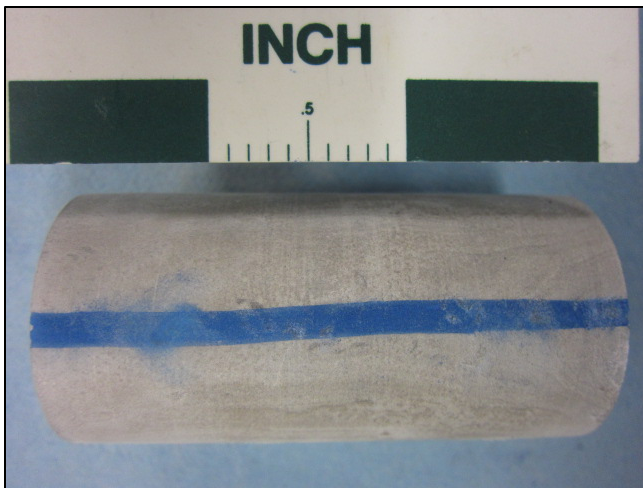
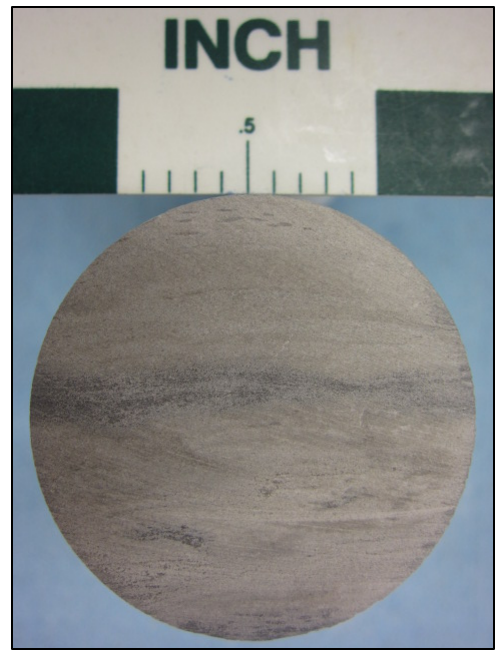
3887

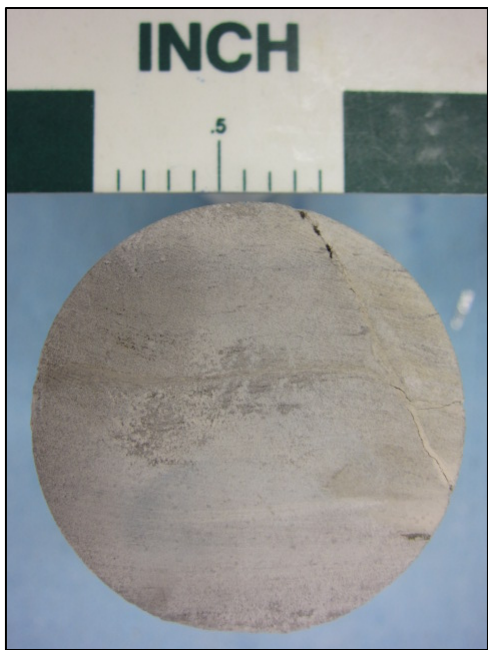




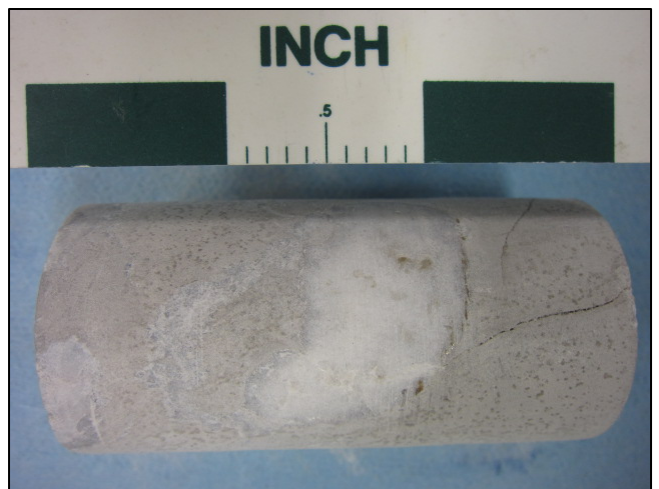
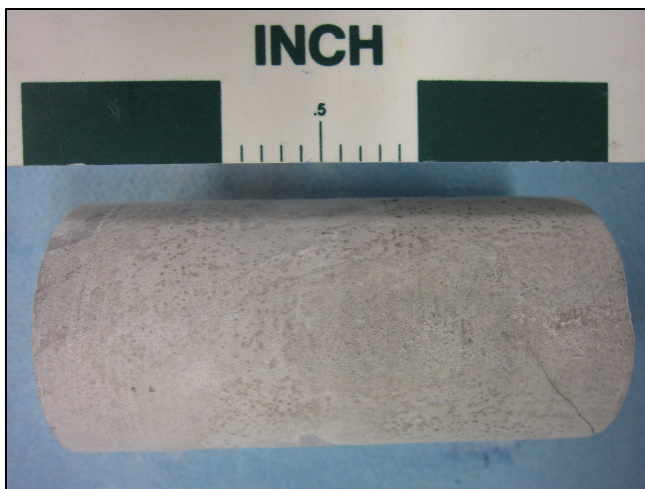
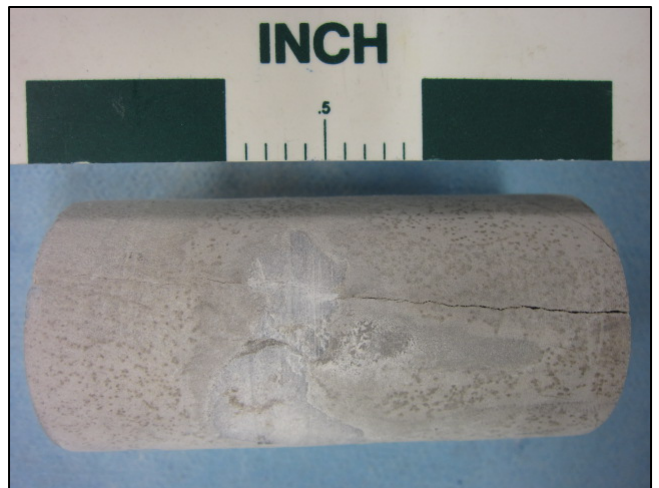
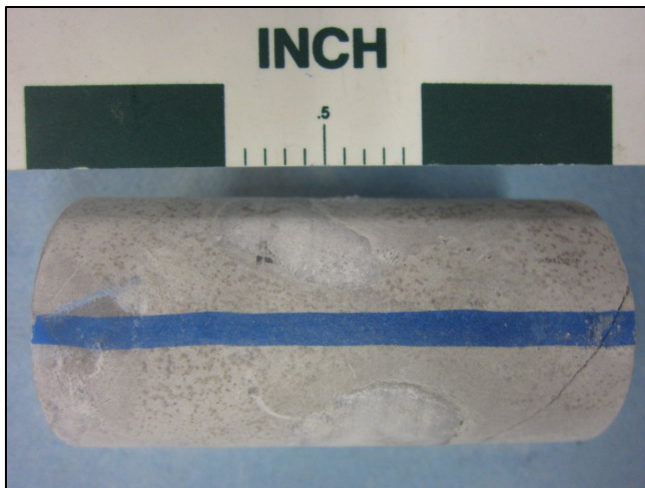
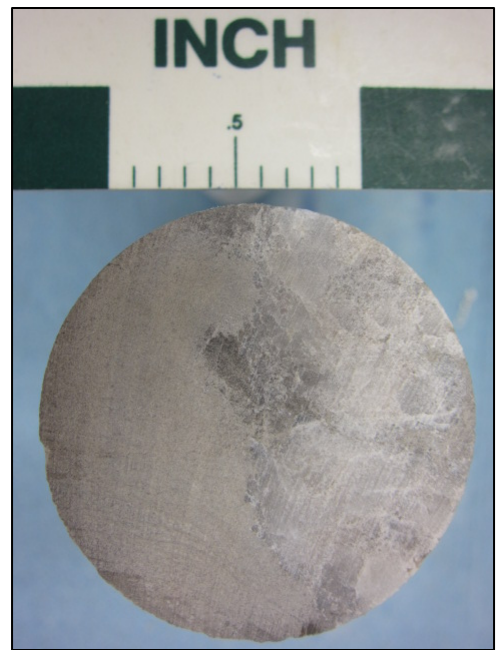


5-53
3804.9'



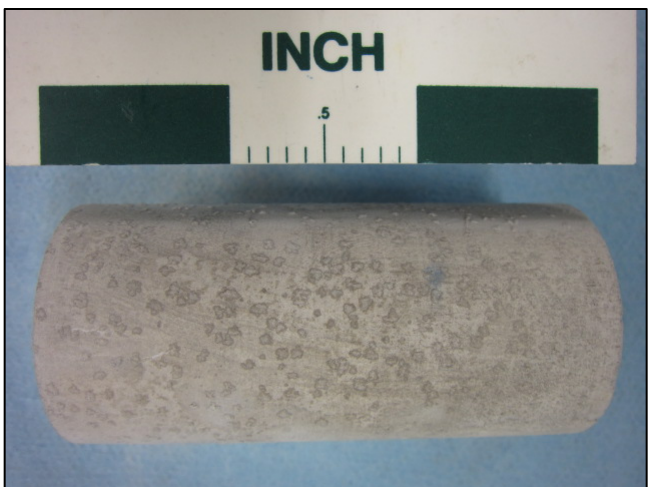
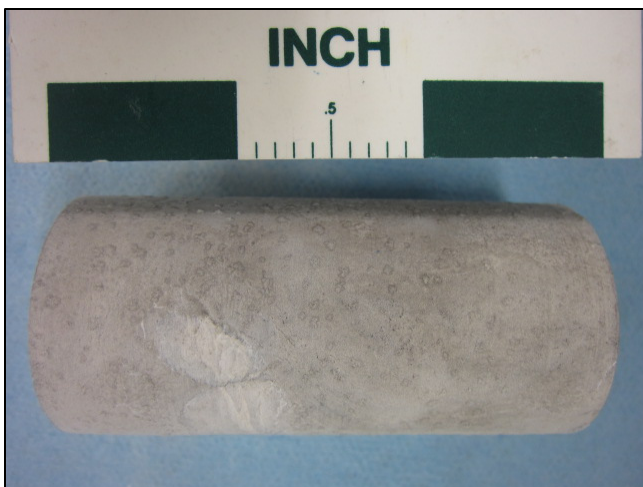
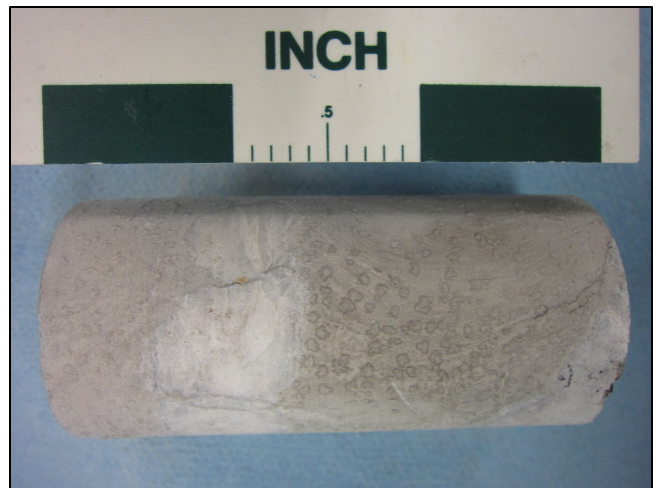
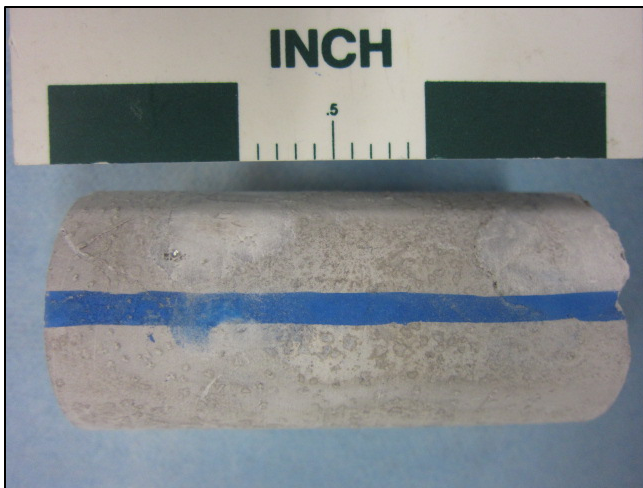
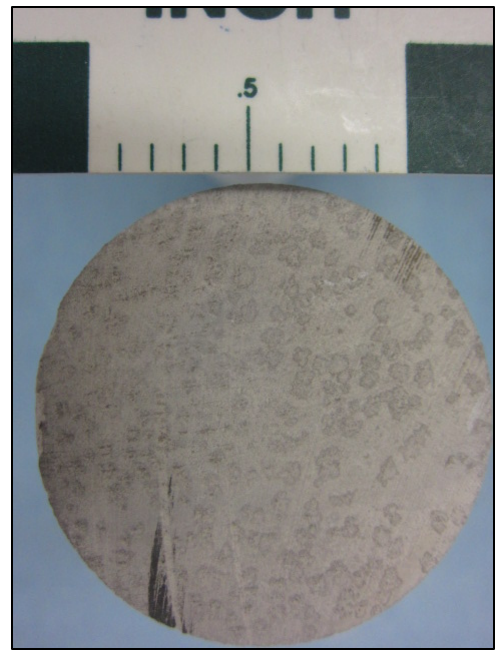


6-21
3832.2'

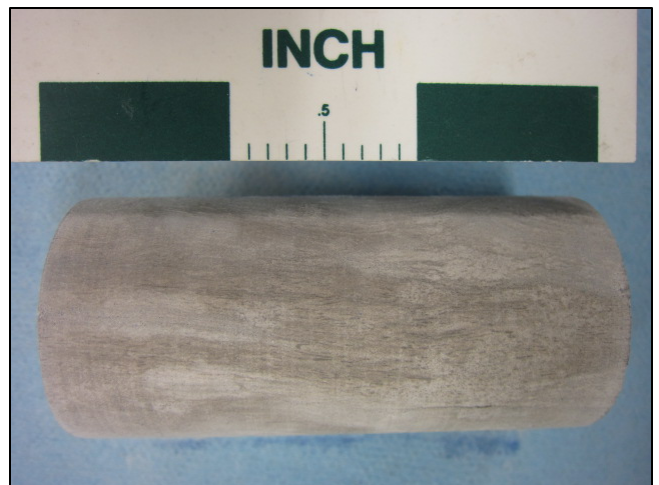
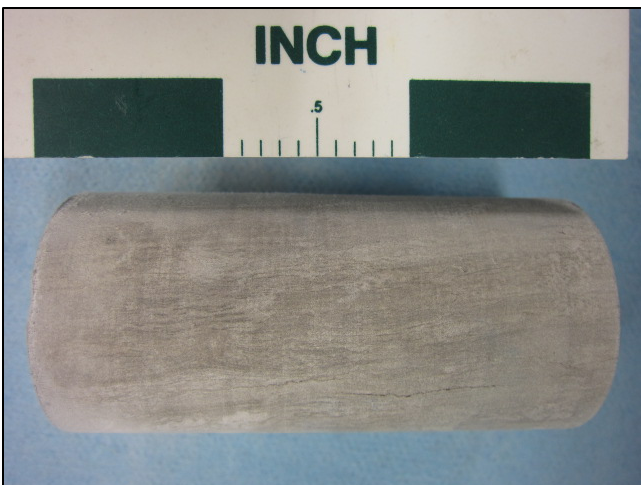
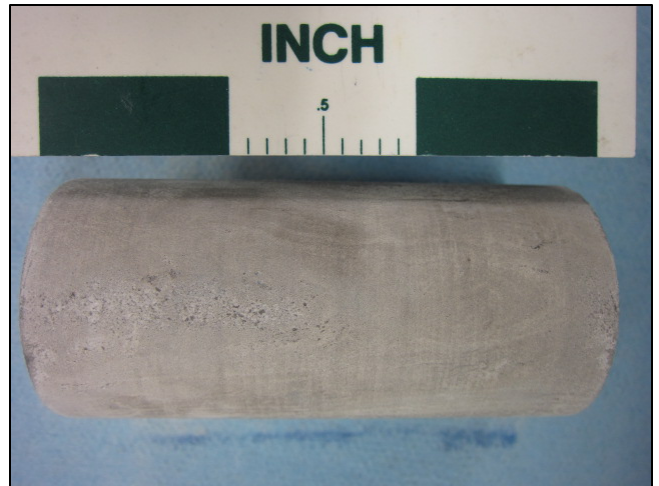
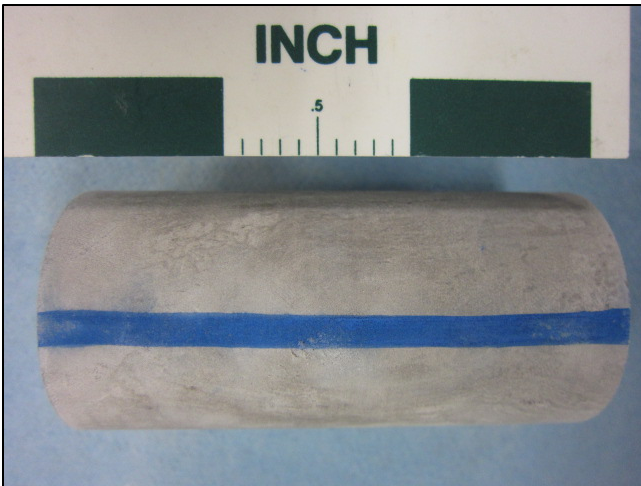
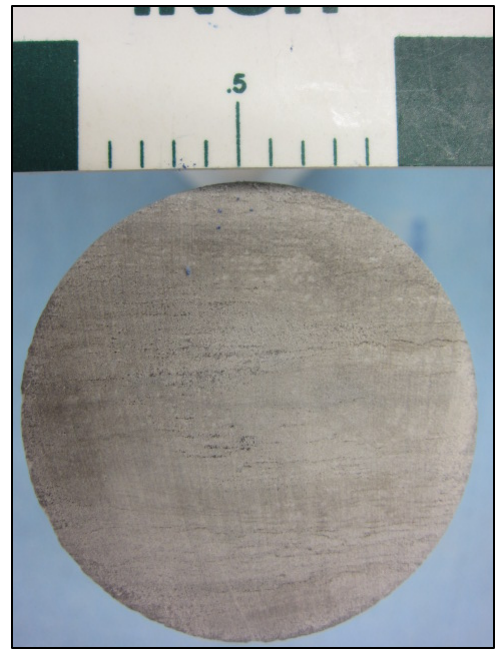
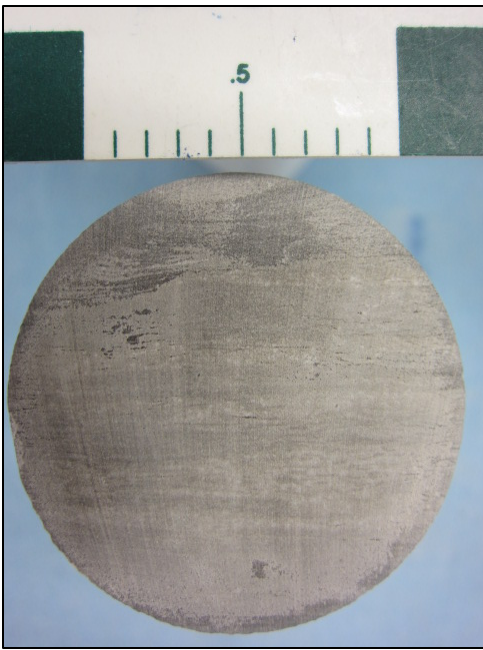




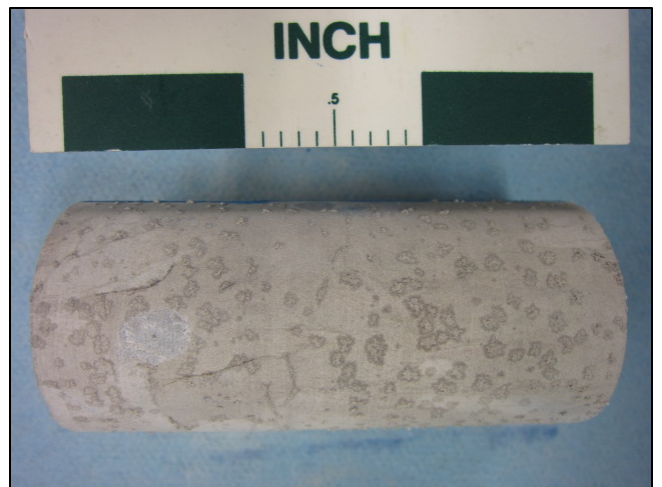
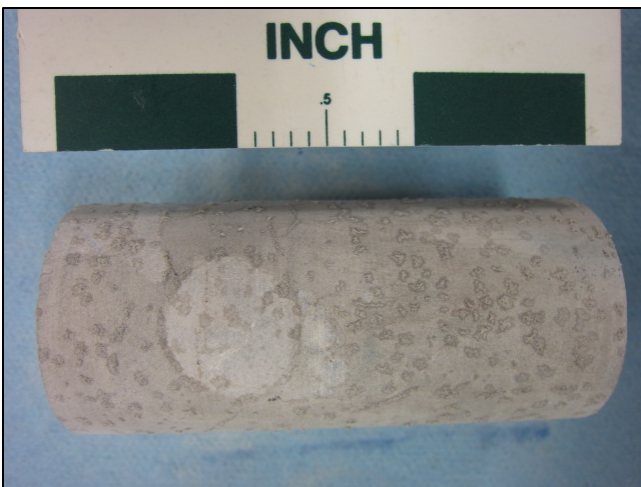
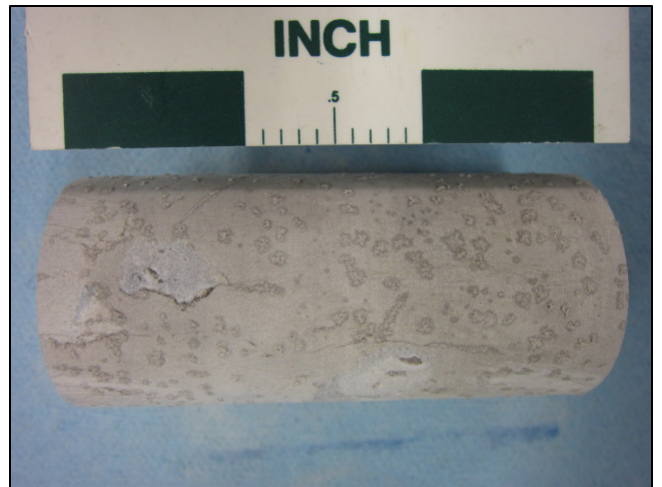
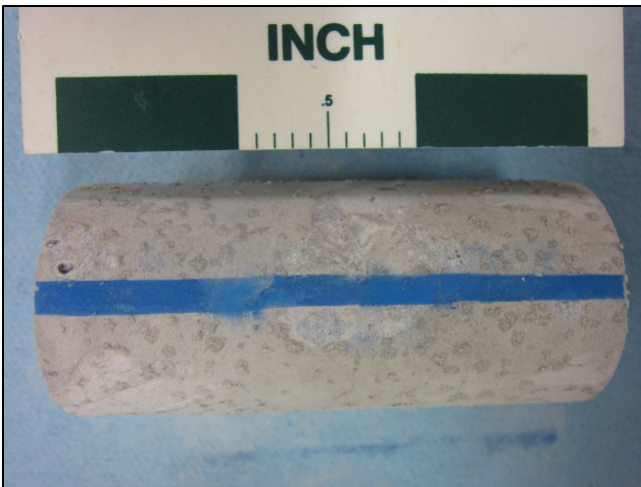
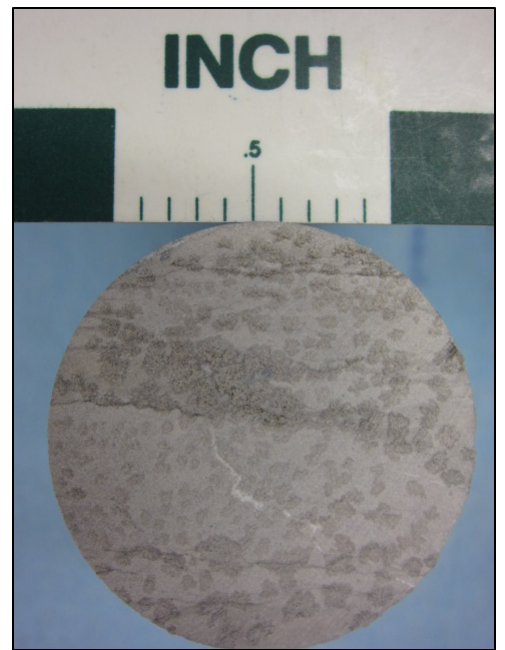
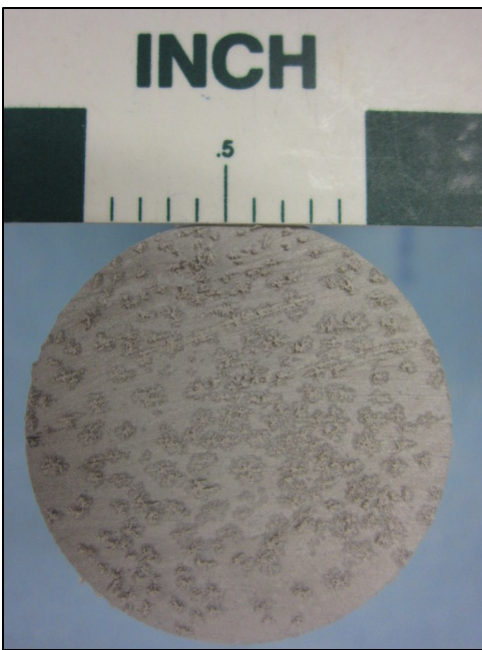
6-26
3837.1'



6-45
3856.1'

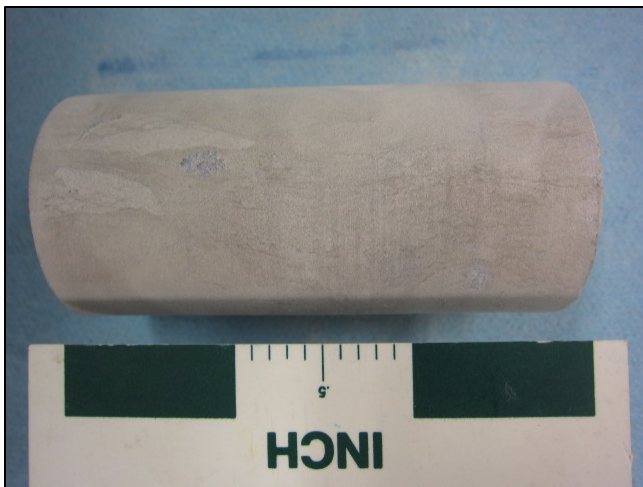
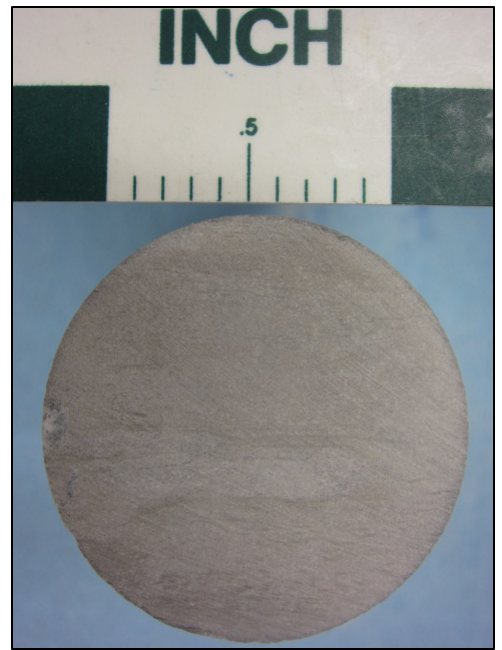


6-50
3561.2'



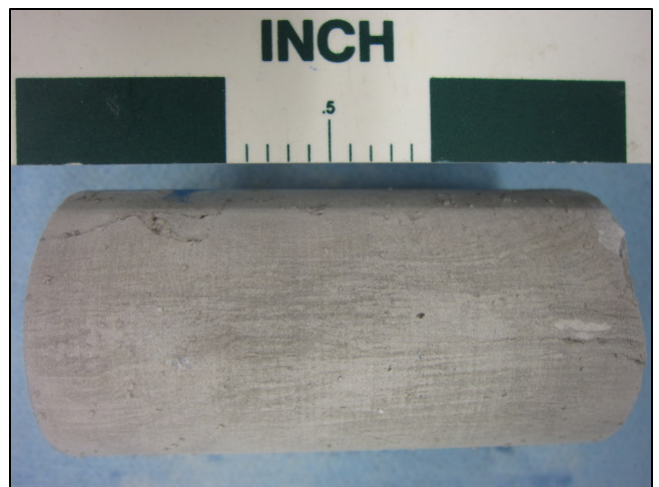
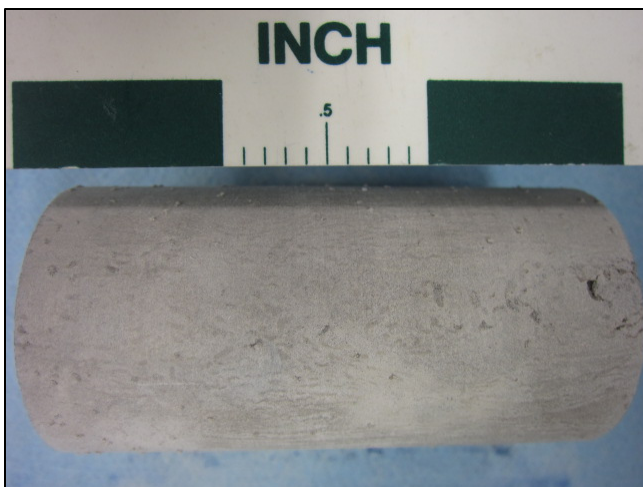
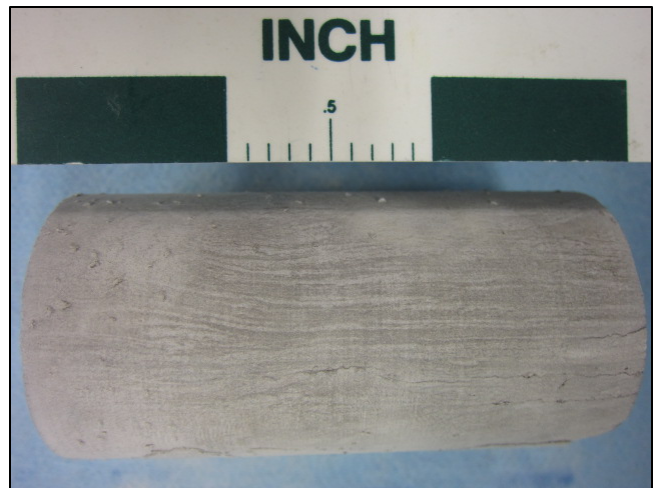


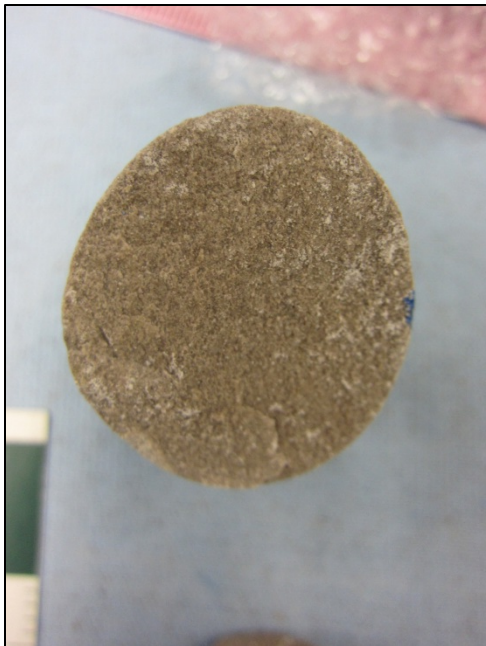
6-56
3867.9'



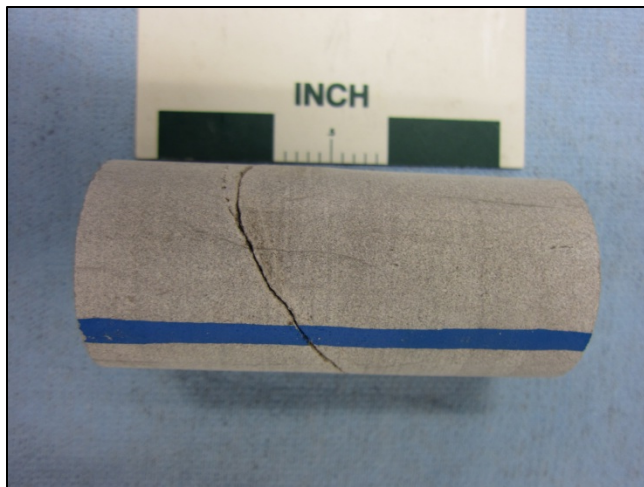
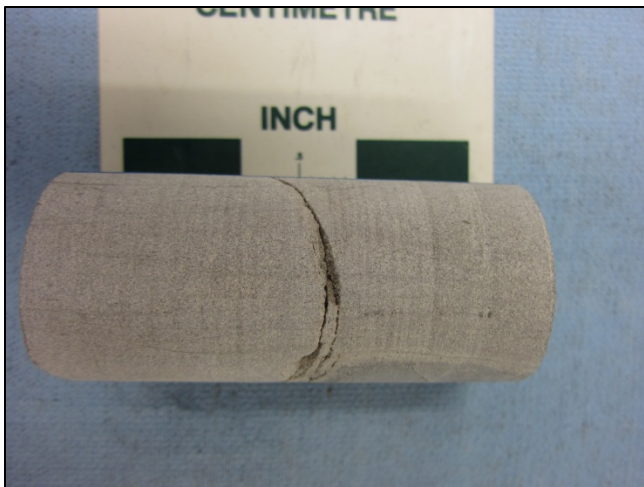
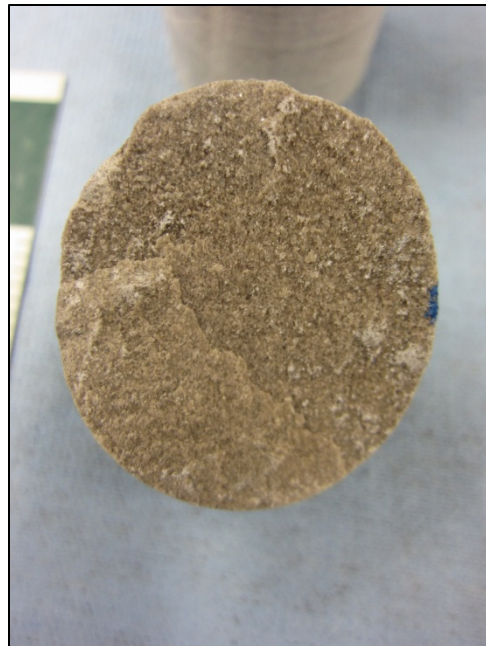


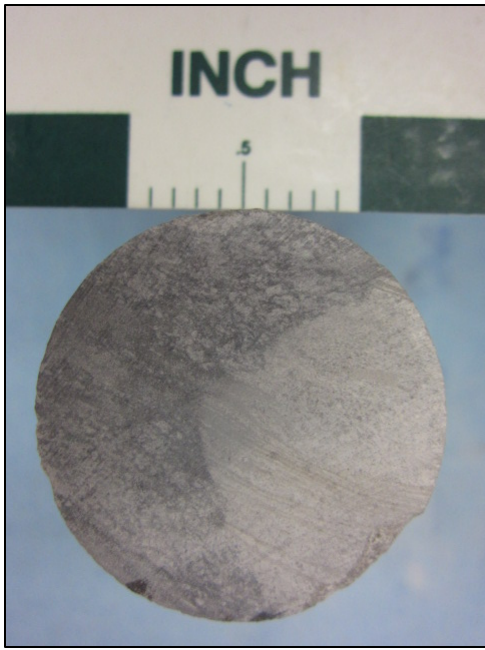
6-59
3870.6'



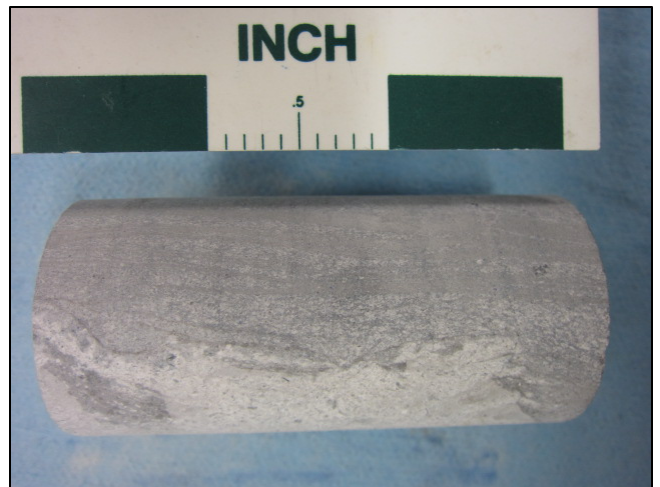
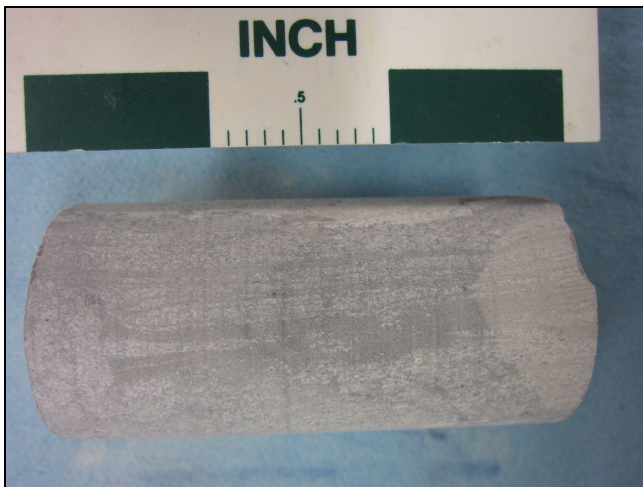
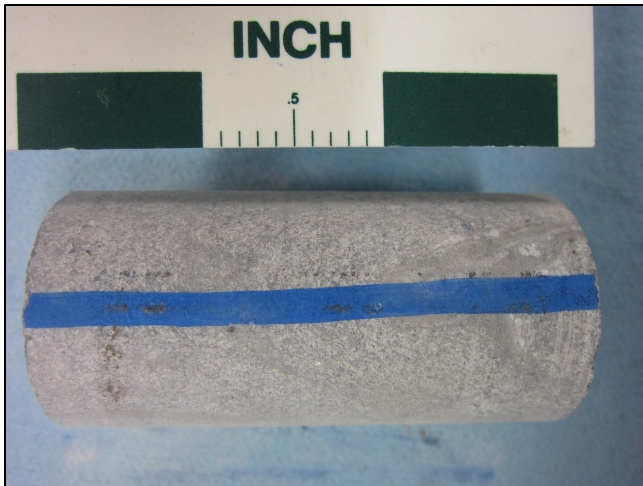
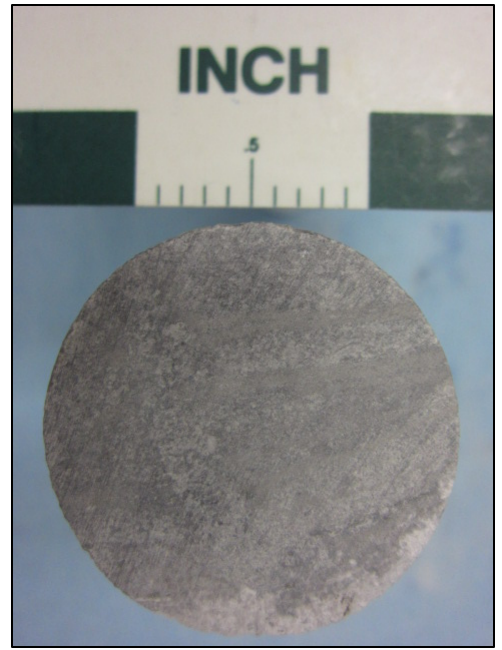


7-5
3876.9'



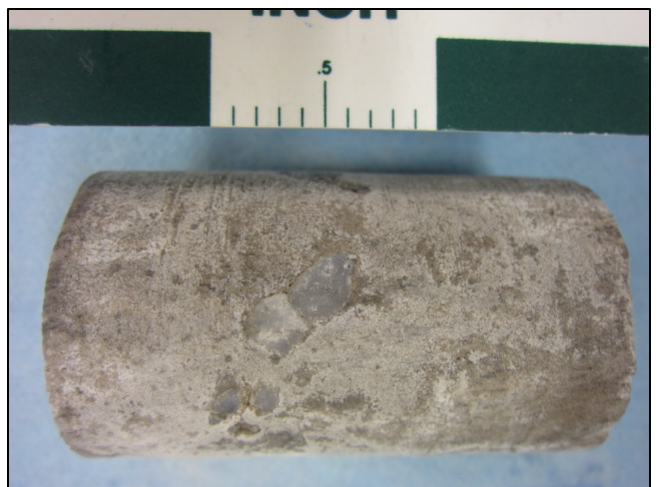
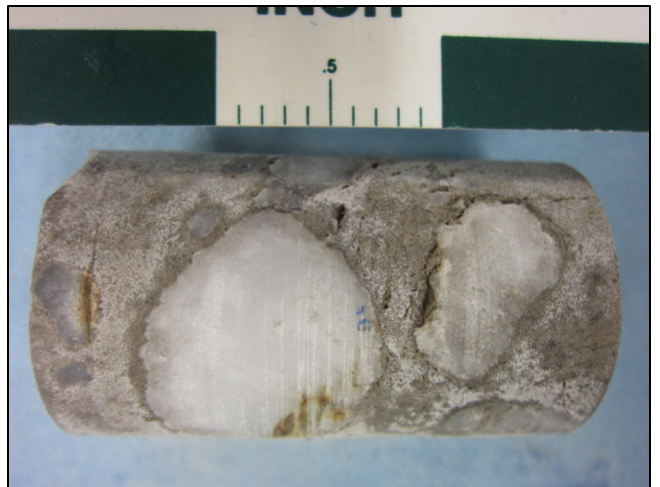
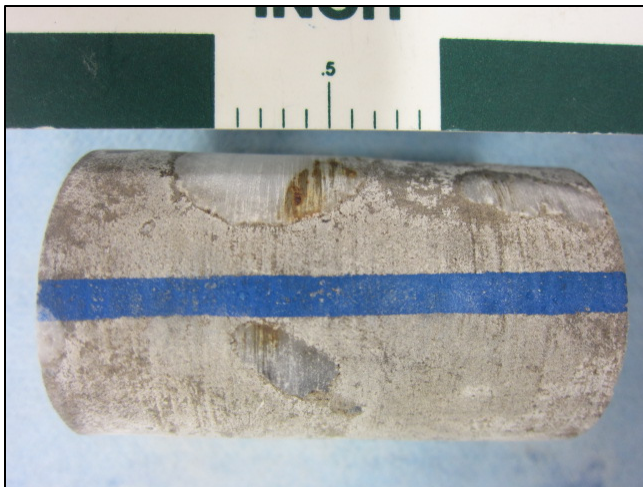


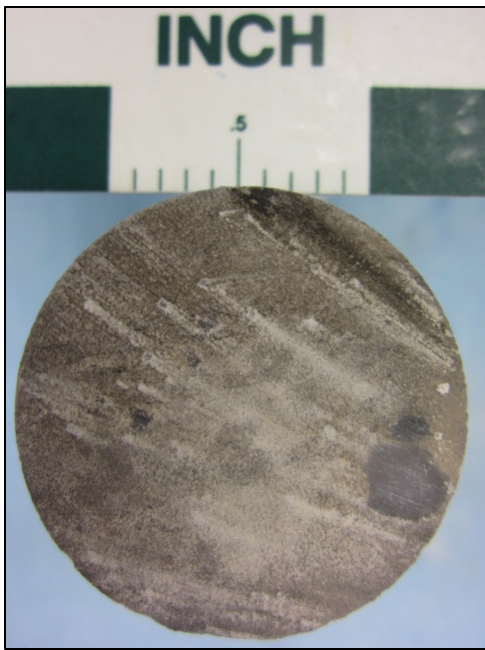
7-13
3884.6'



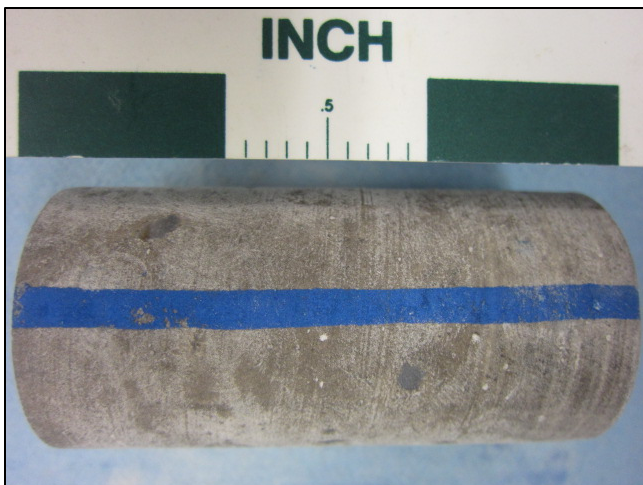
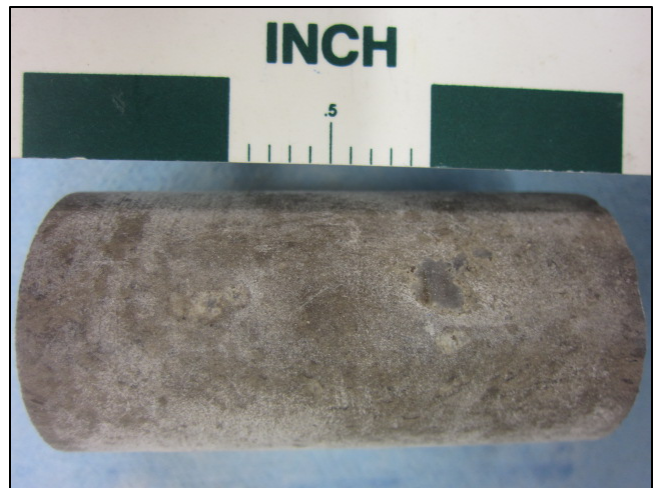
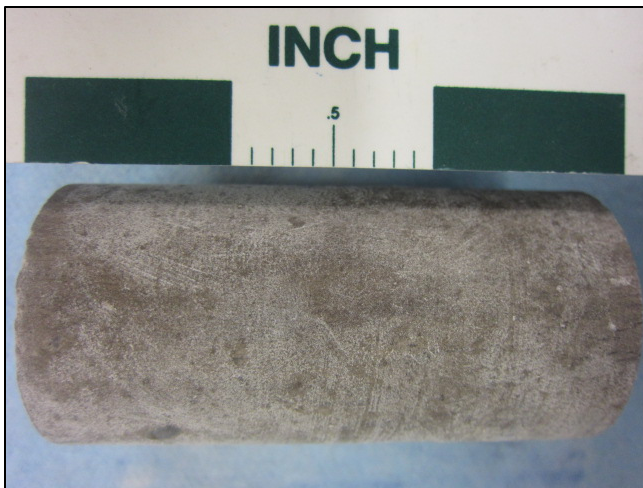
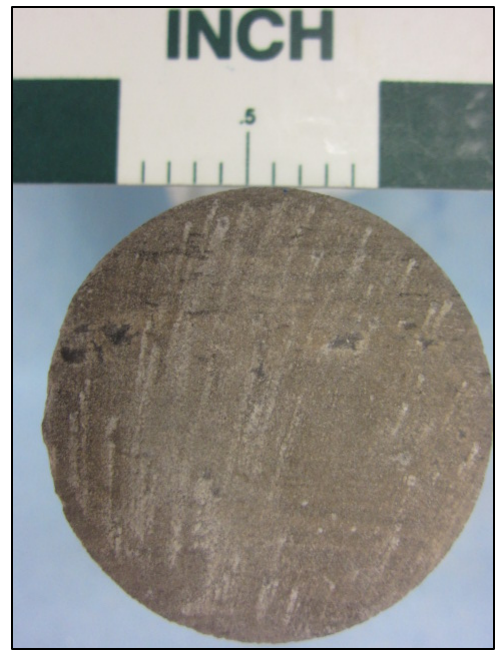


7-22
3893.9'

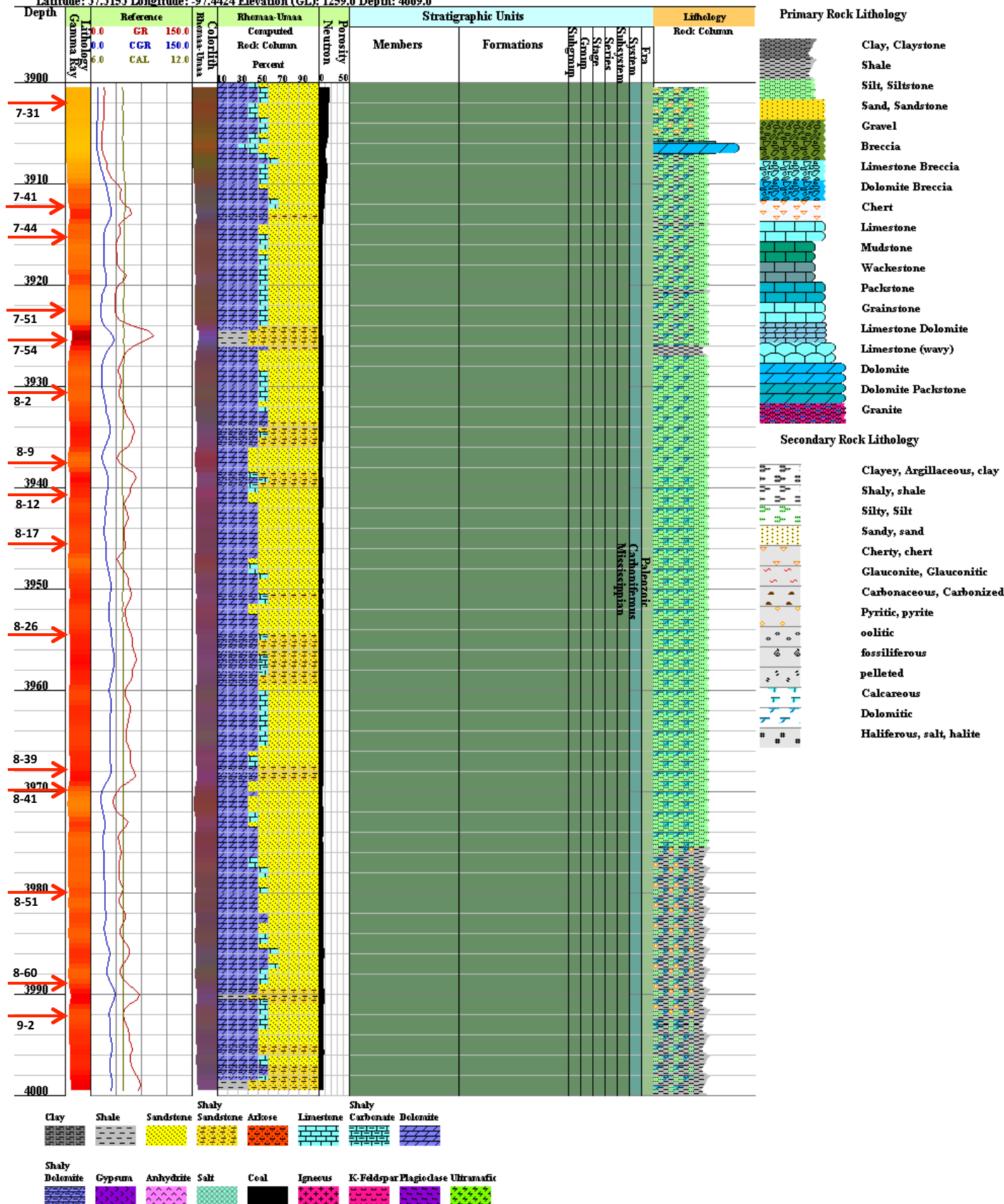




7-25
3896.2'



Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32
 Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



3908

3911

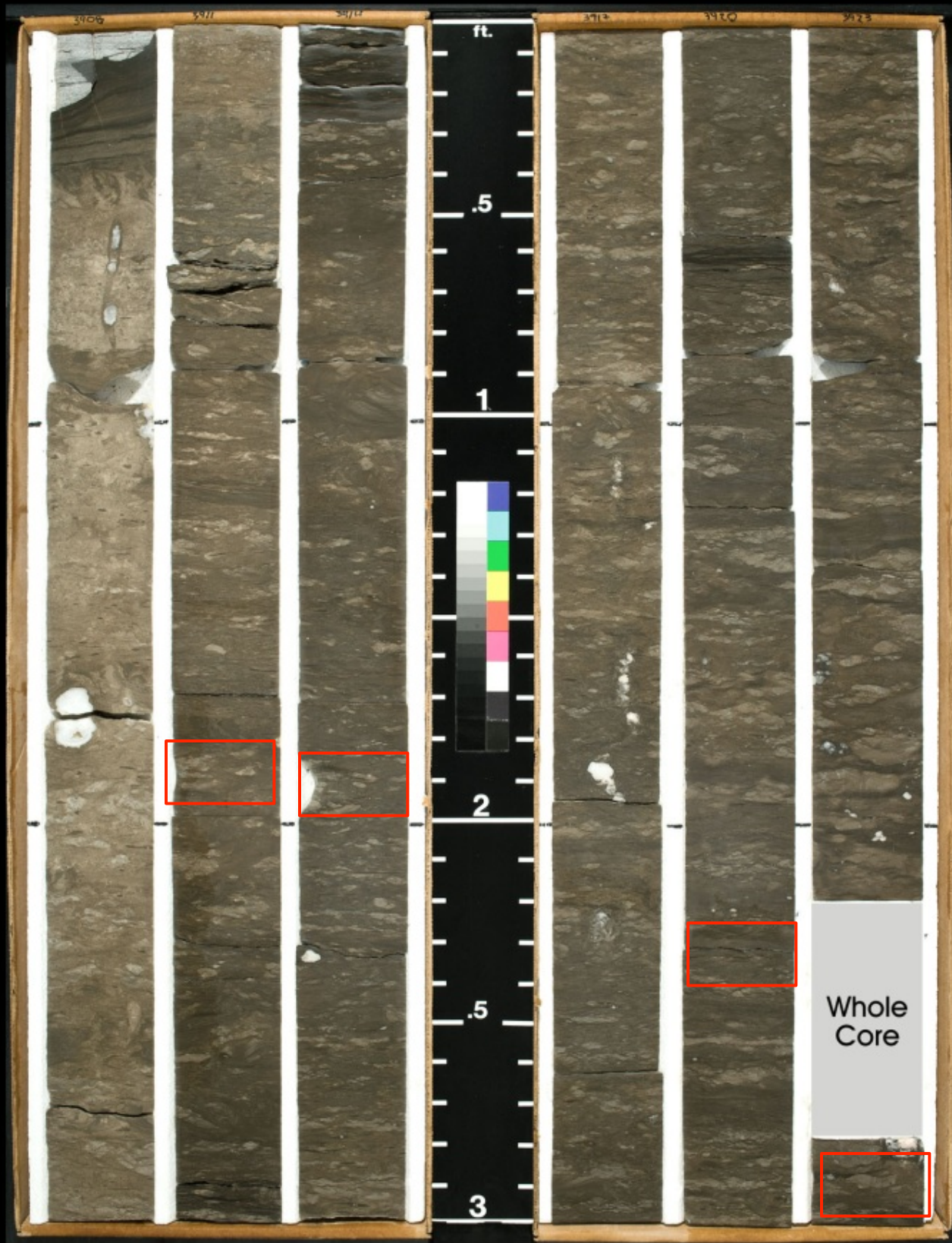
3914

CORE 7

3917

3920

3923



3926

CORE 7



3929

3932

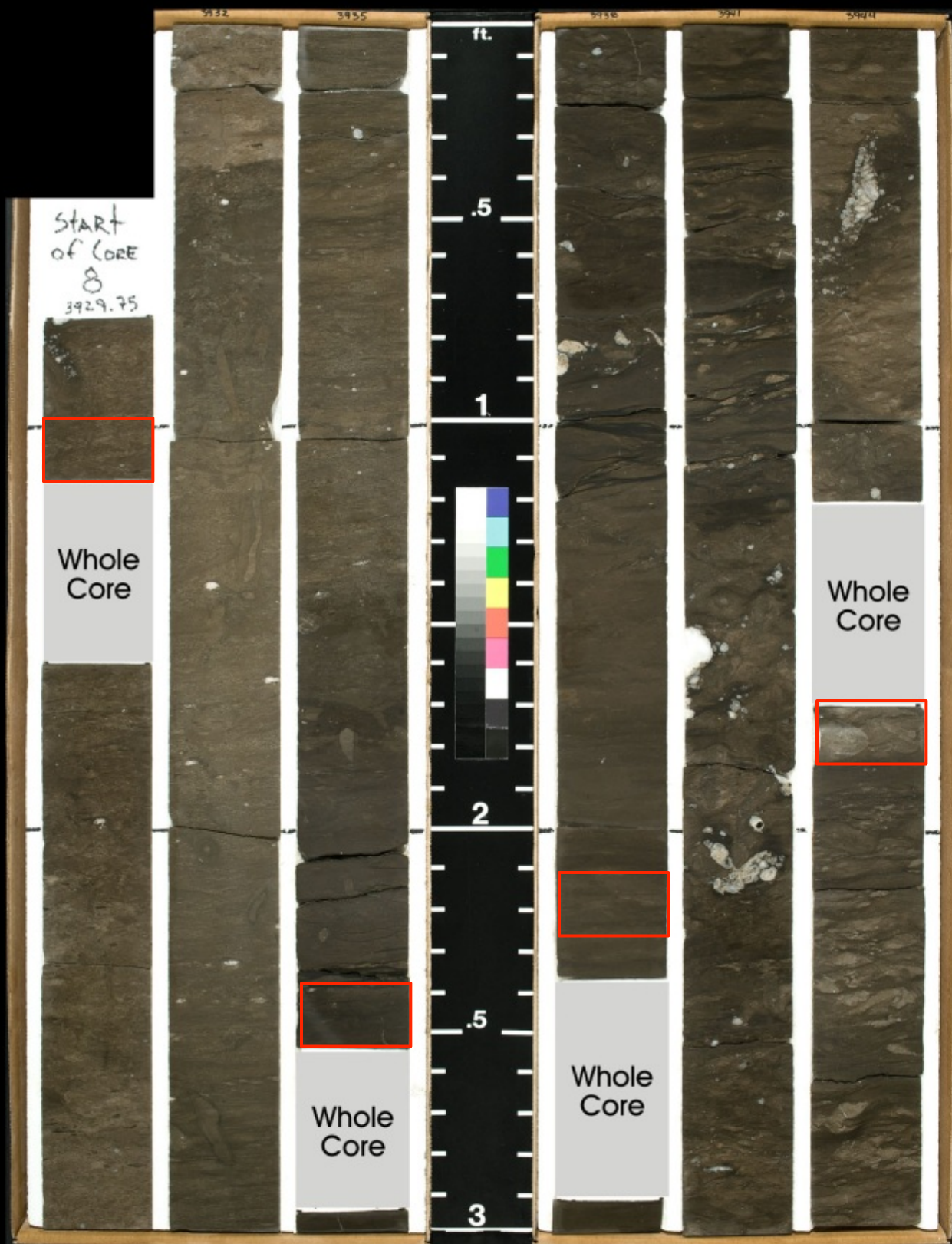
3935

CORE 8

3938

3941

3944



3947

3950

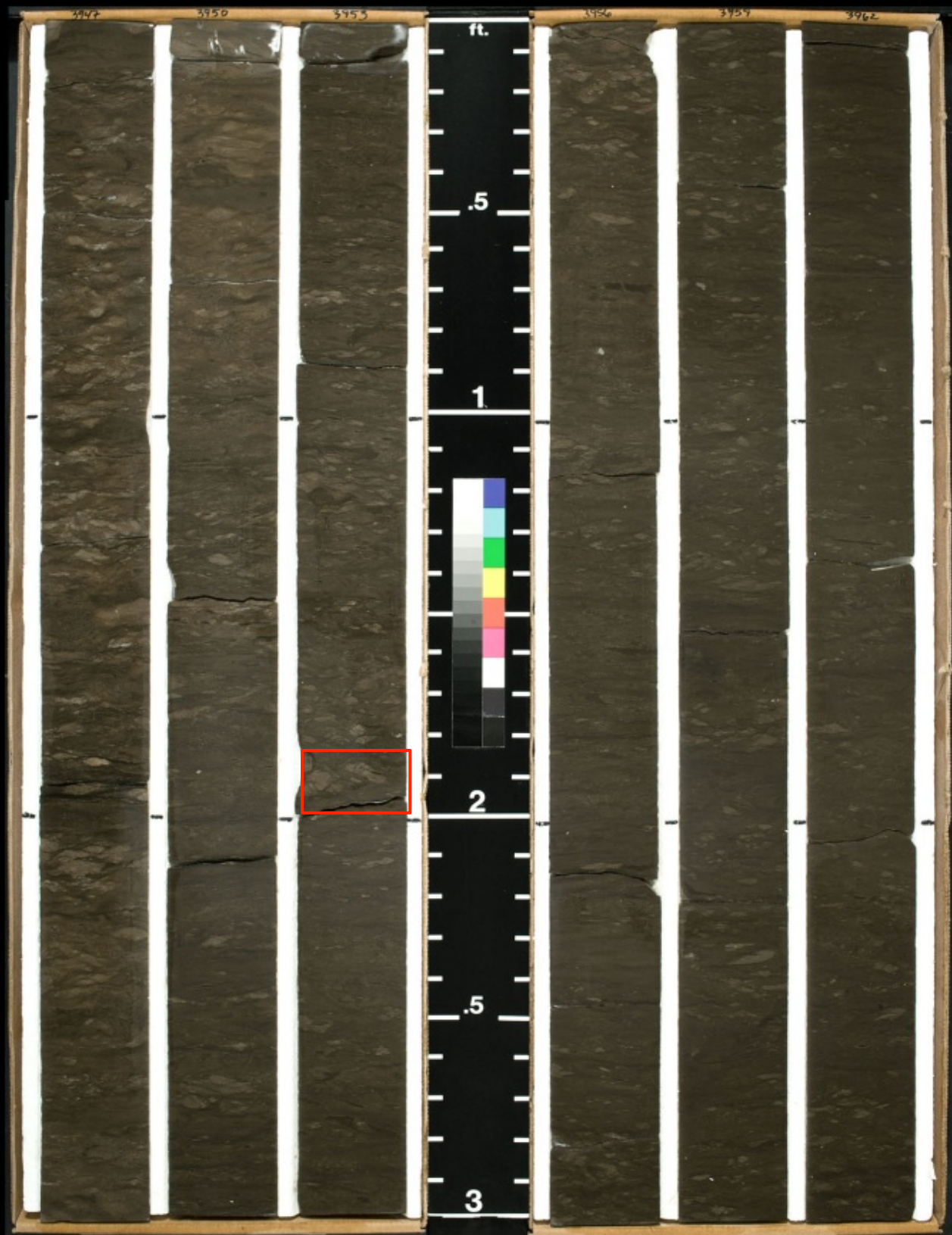
3953

CORE 8

3956

3959

3962



3965

3968

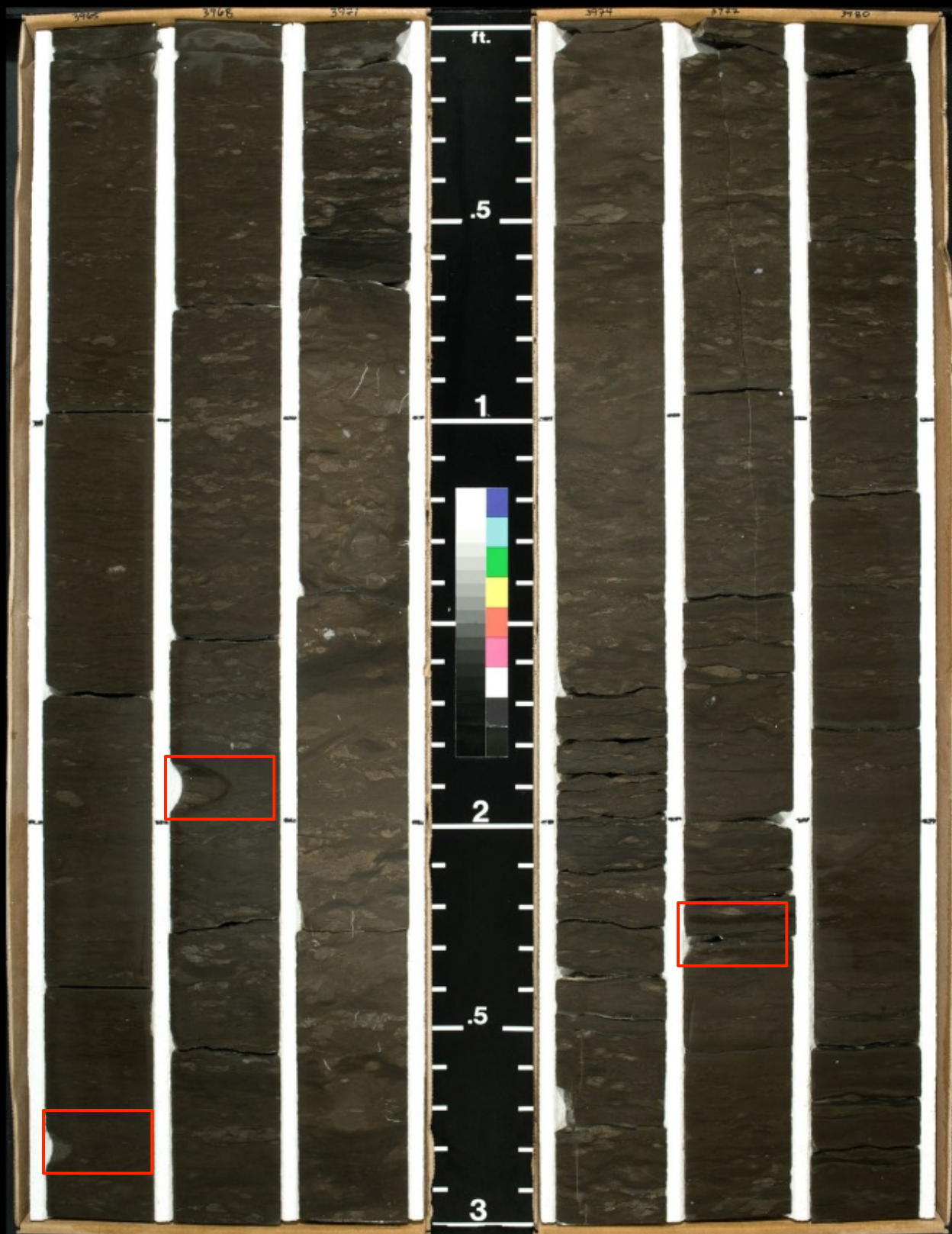
3971

CORE 8

3974

3977

3980



3983

3986

3989

CORE 8



3990

3993

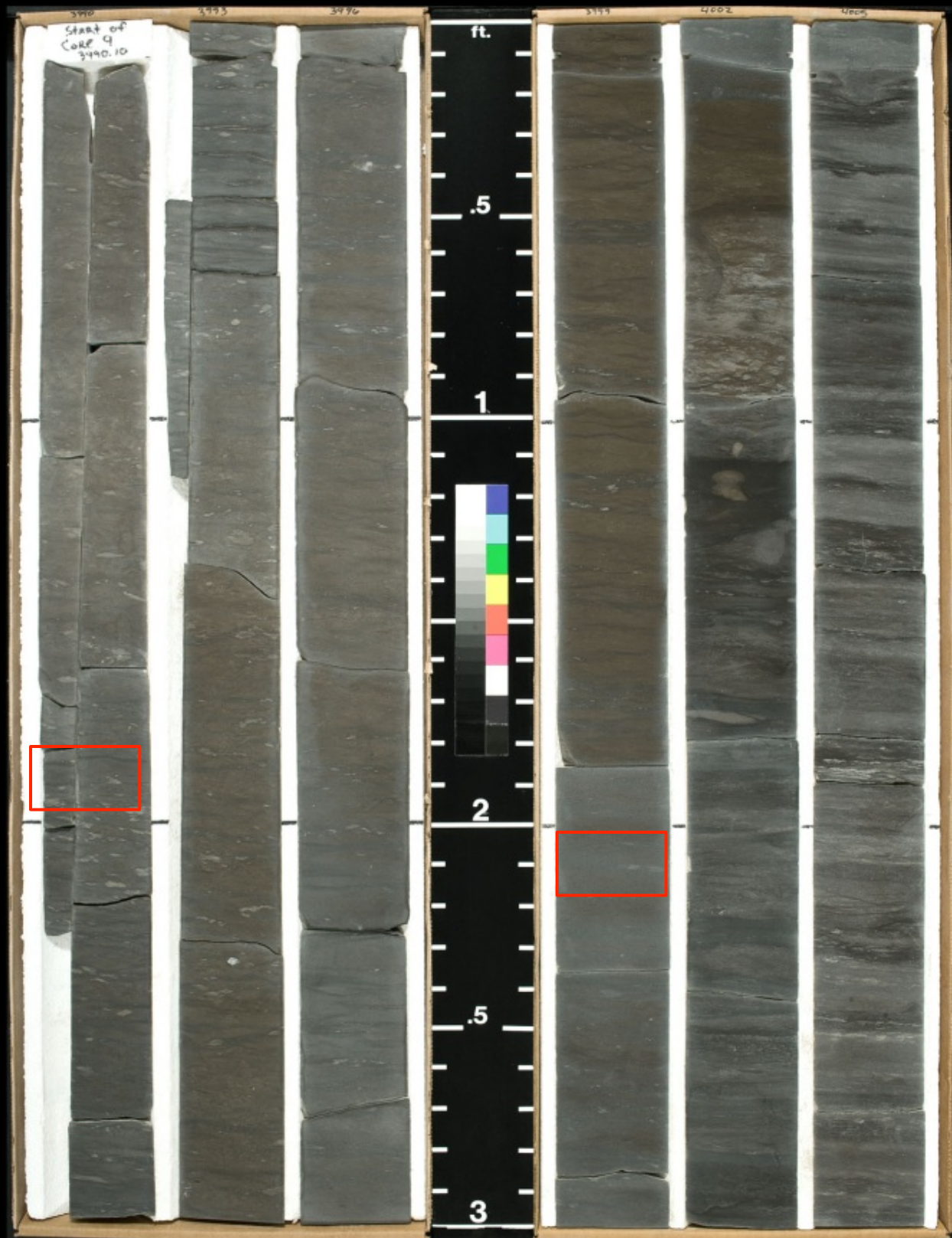
3996

CORE 9

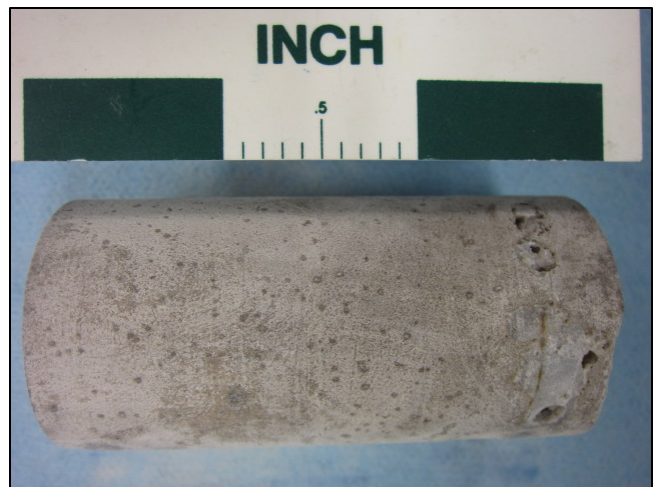
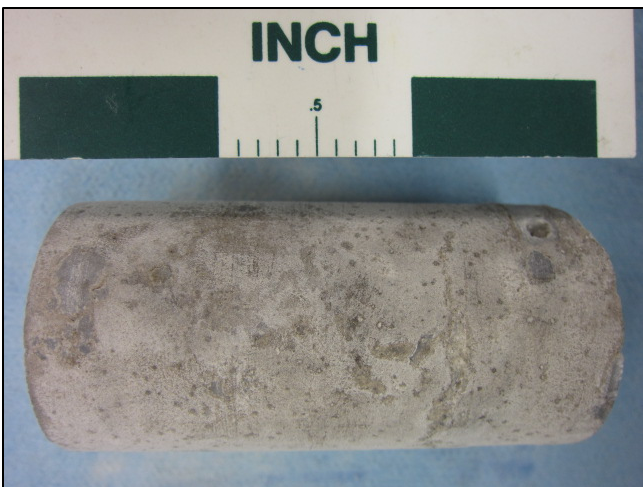
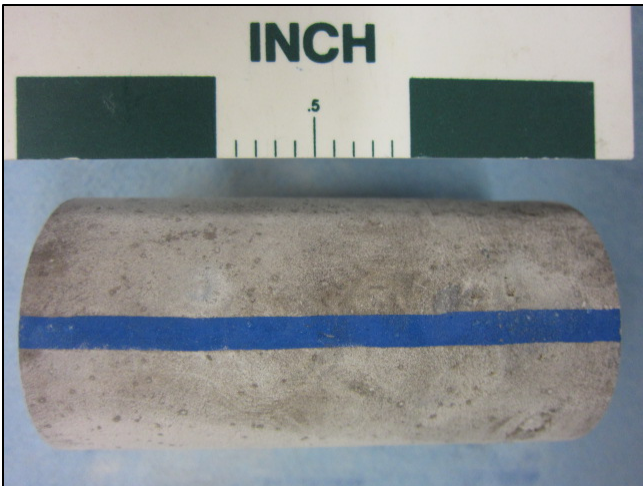
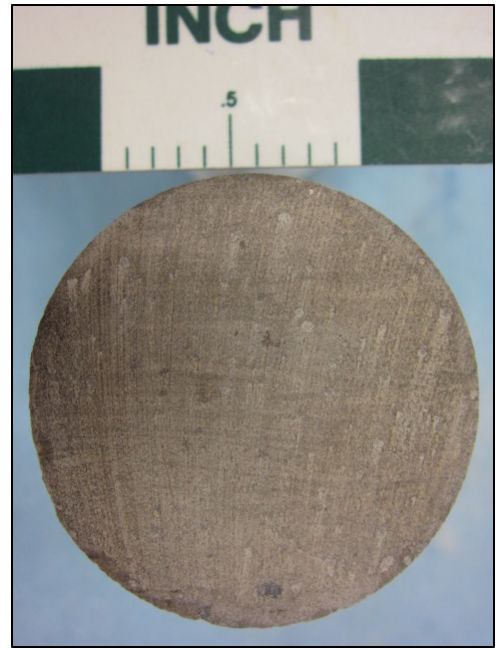
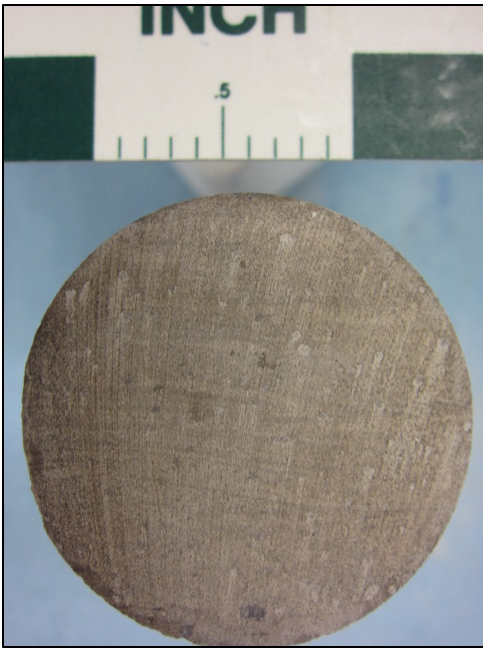
3999

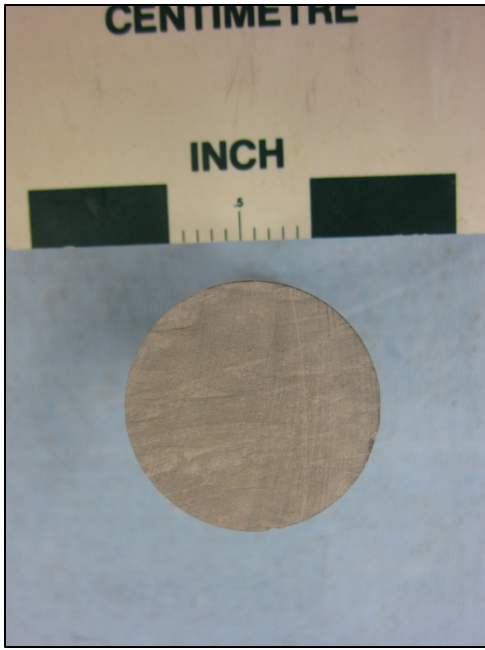
4002

4005

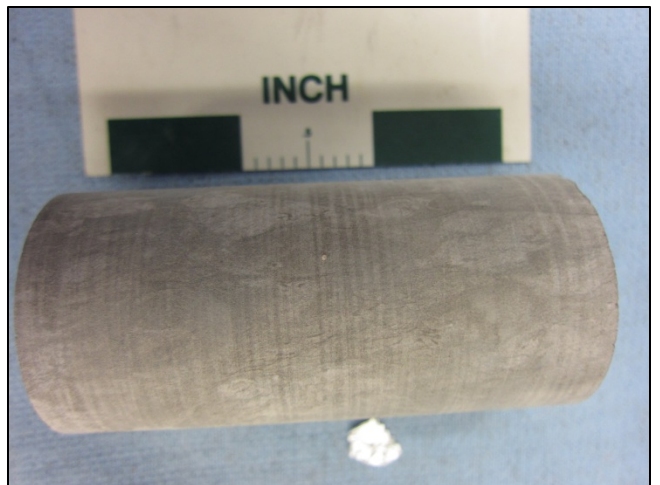
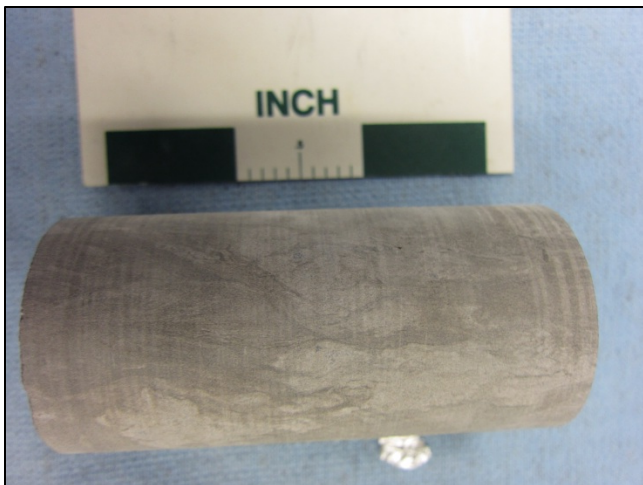
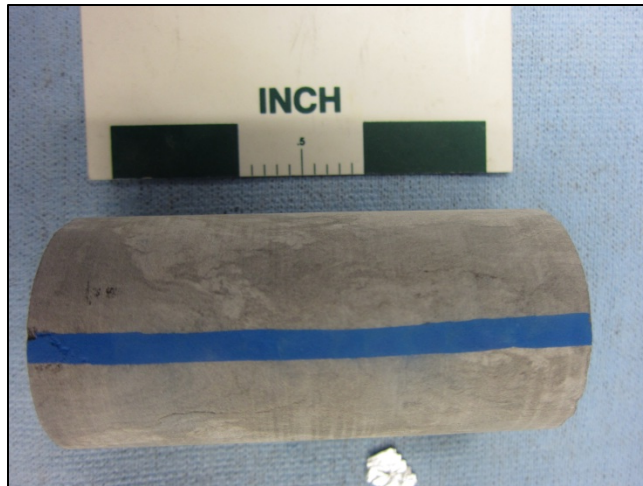
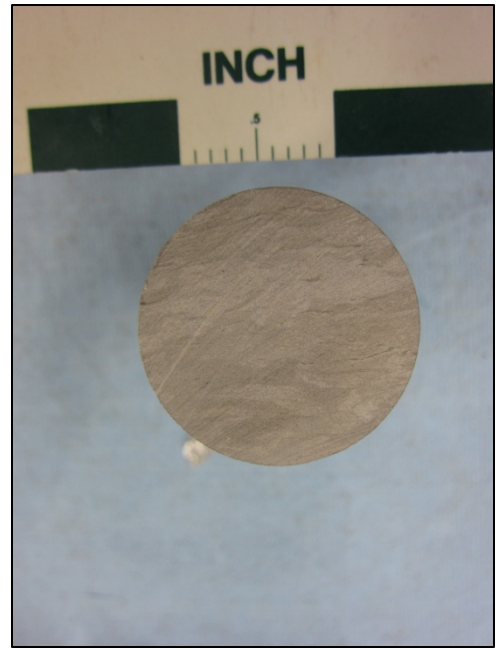


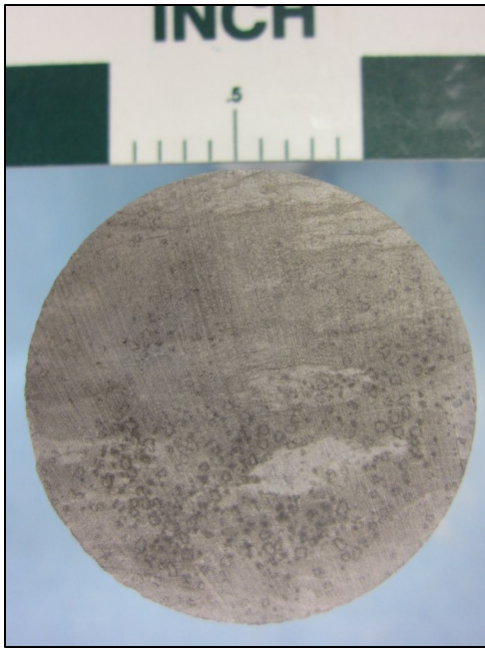
7-31
3902.8'



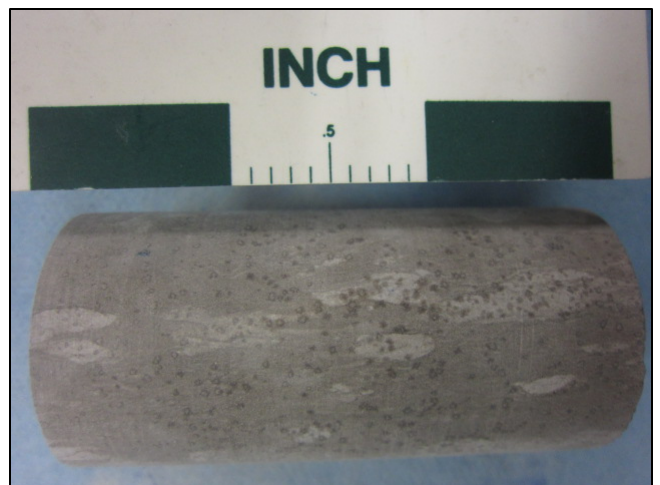
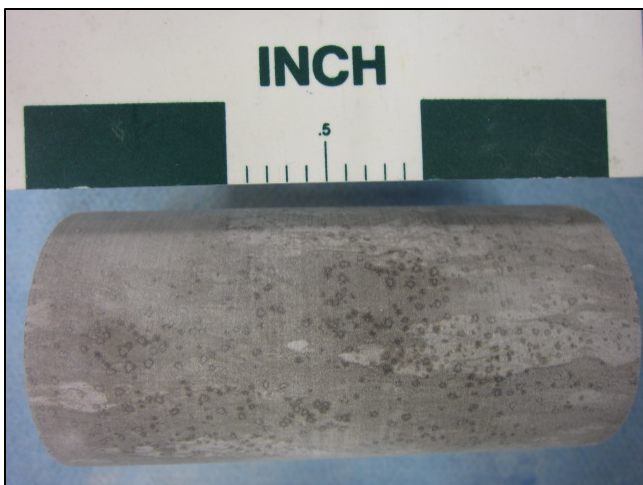
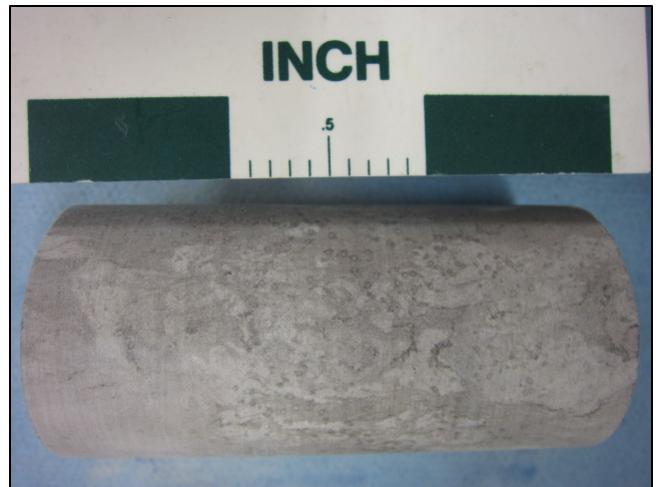
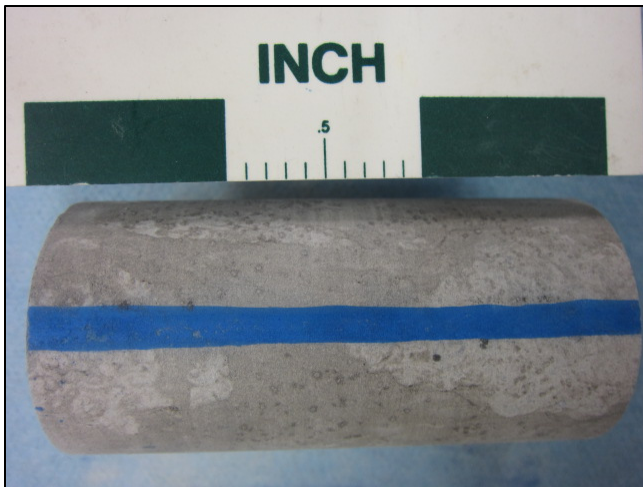
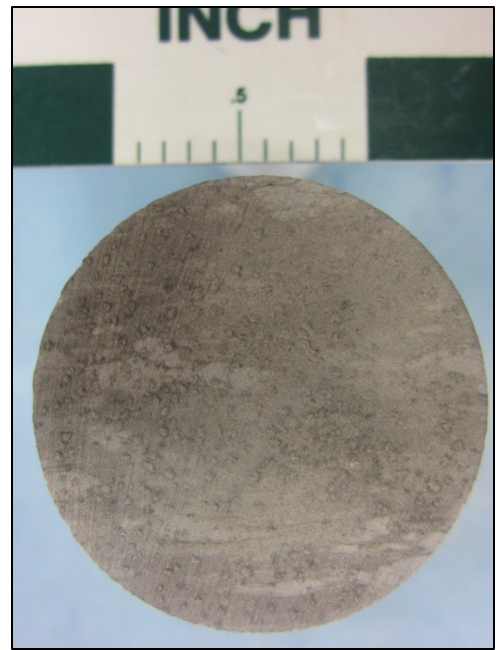


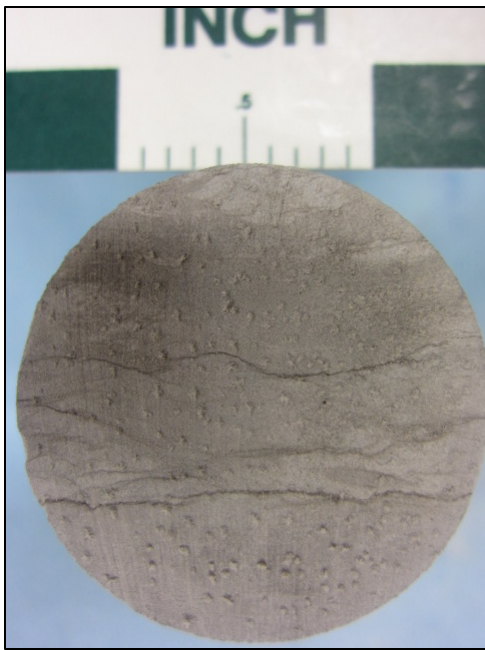
7-41
3912.9'



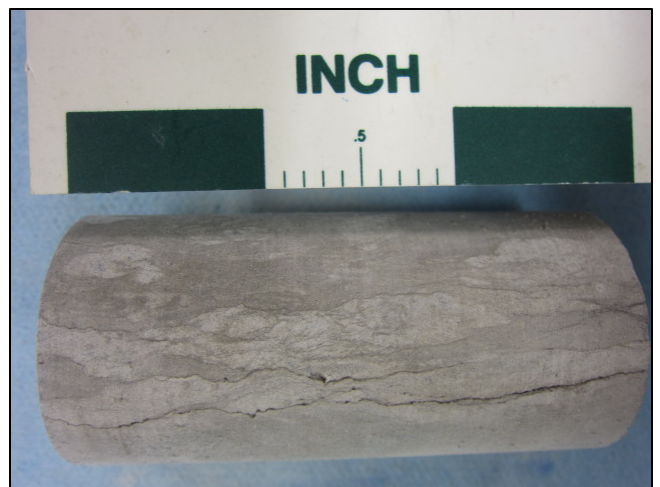
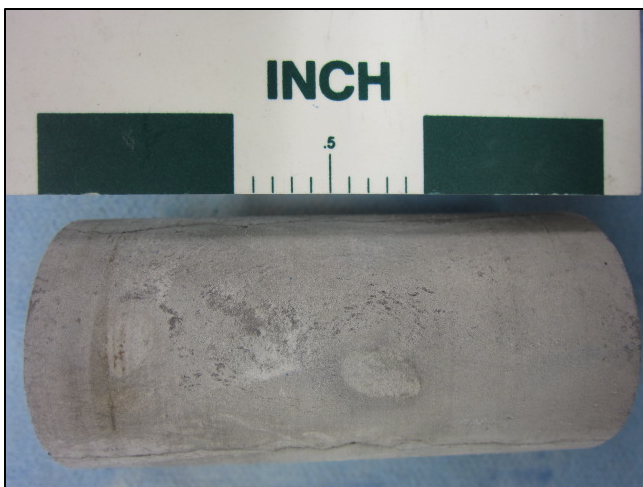
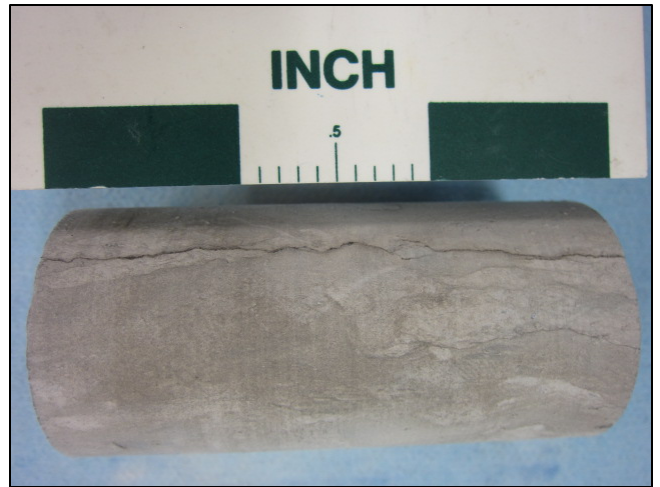
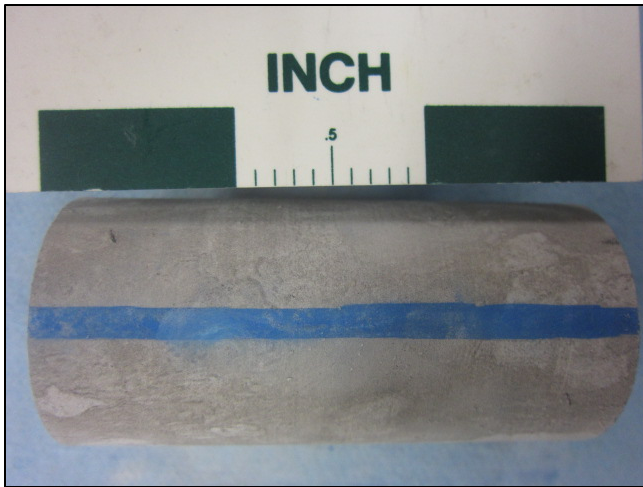
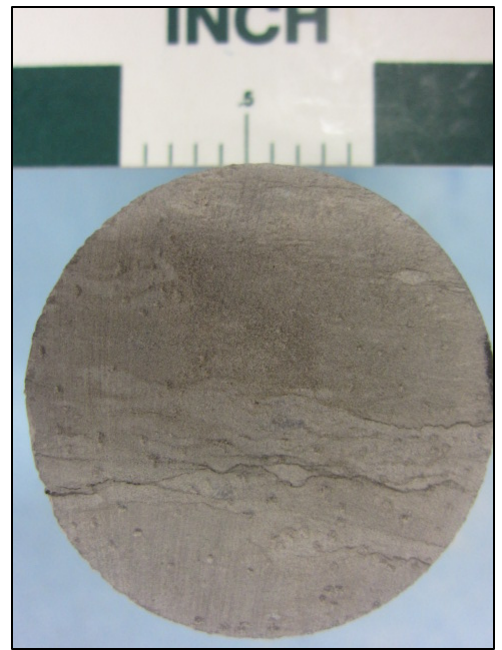


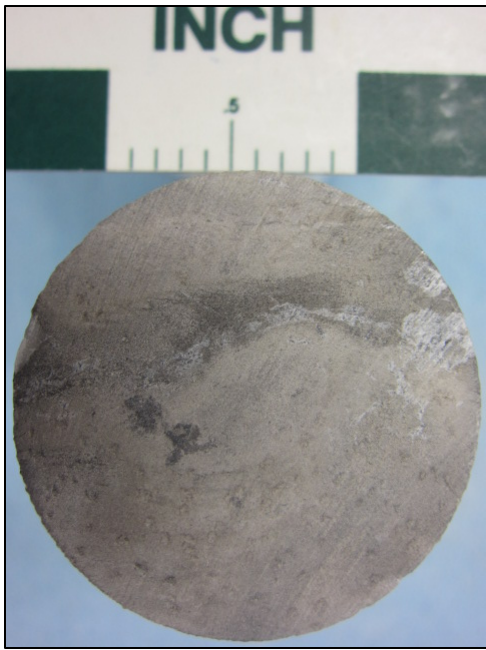
7-44
3915.9'



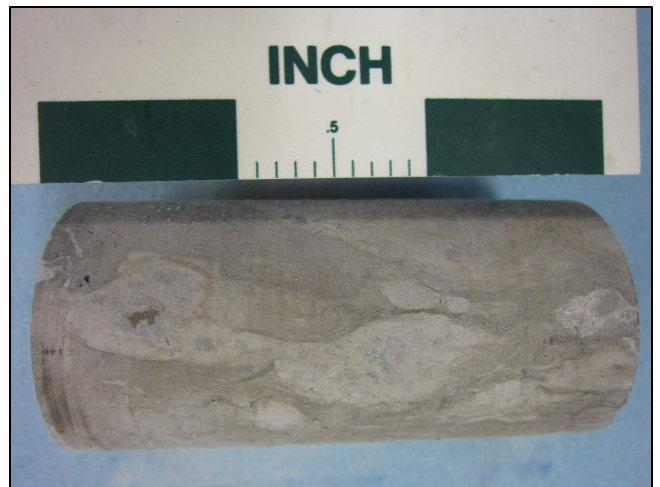
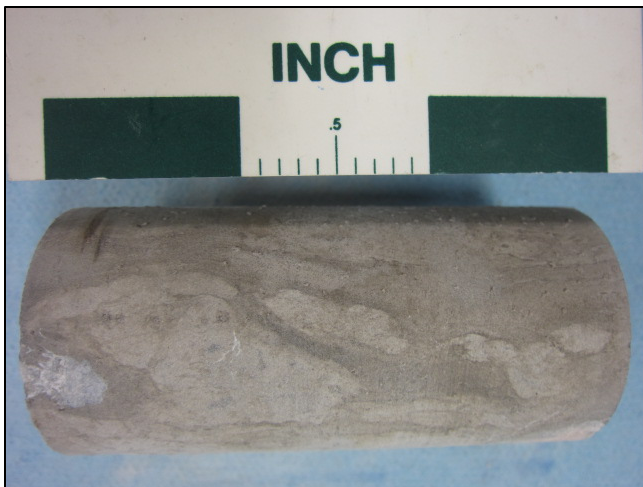
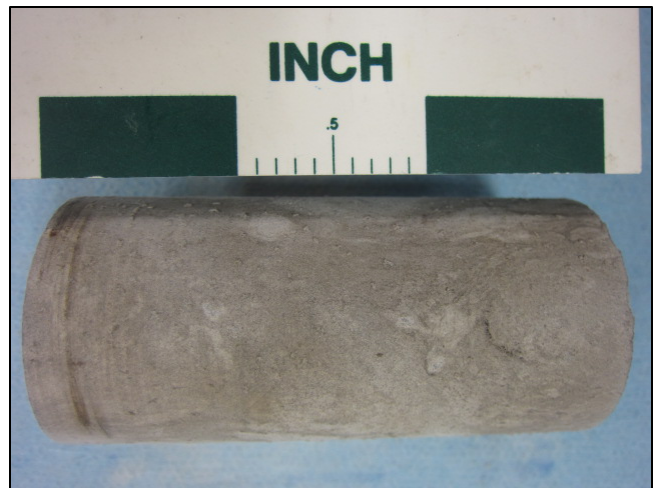
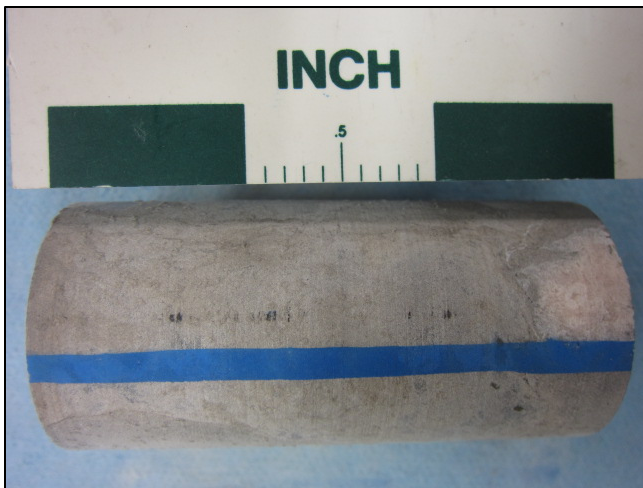
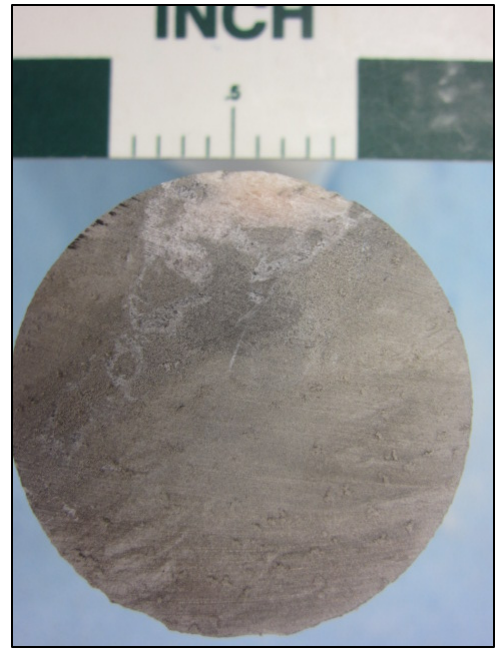


7-51
3922.4'

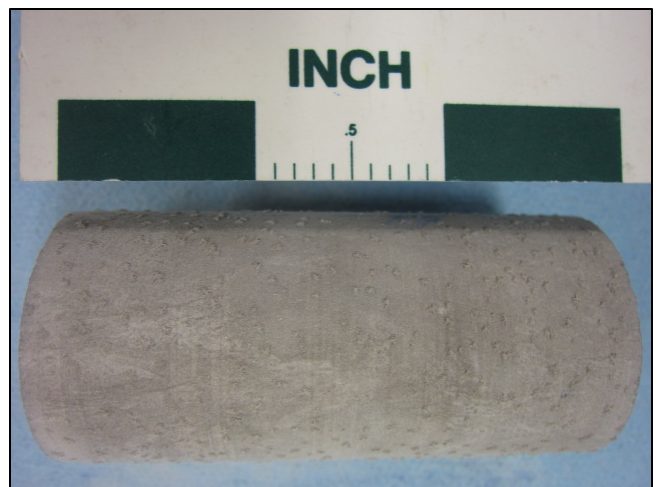
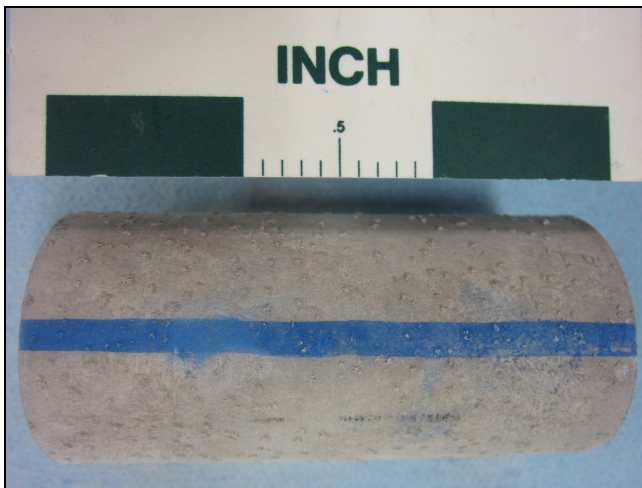
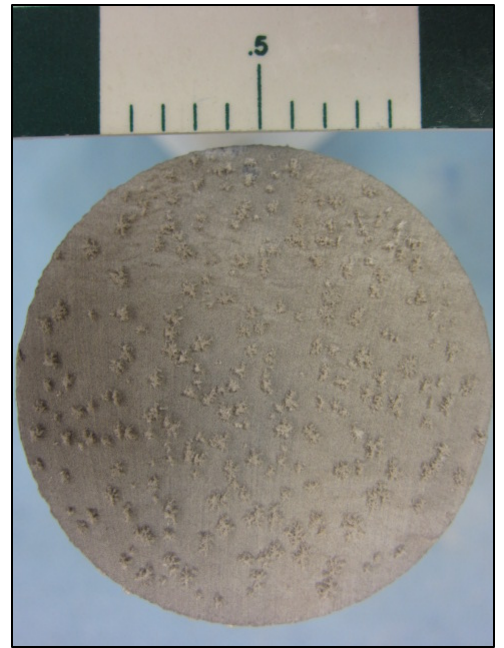
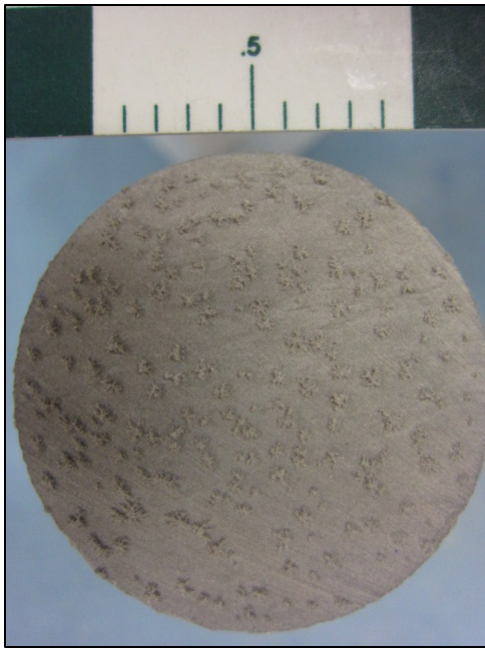




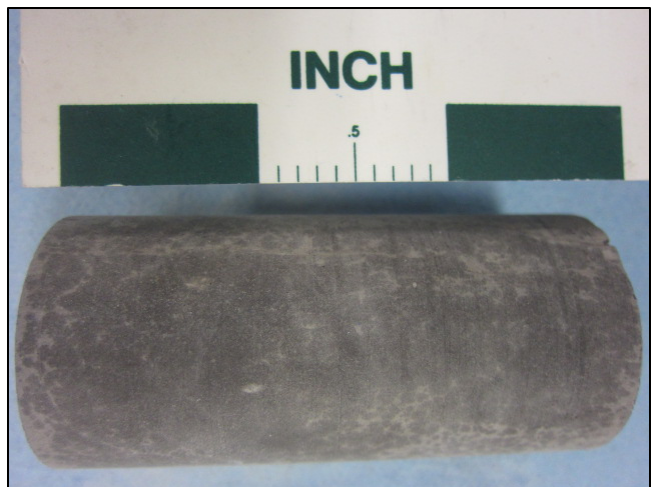
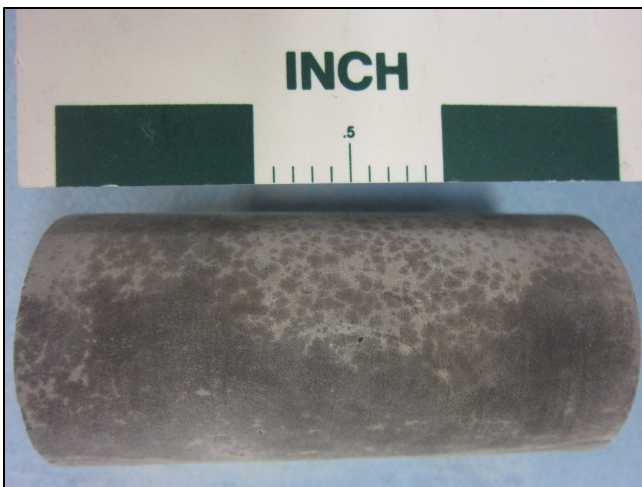
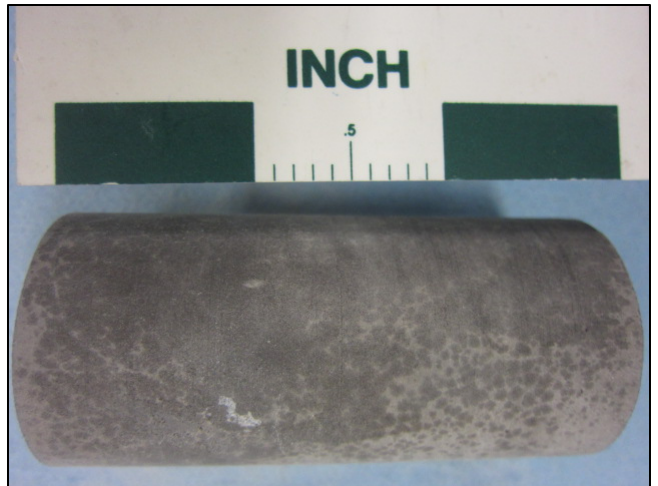
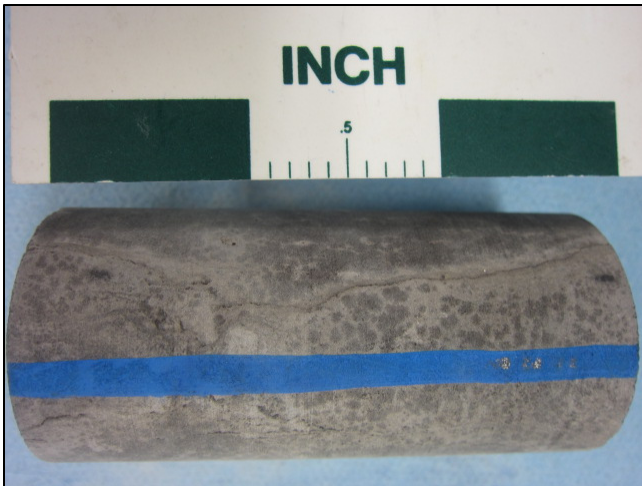
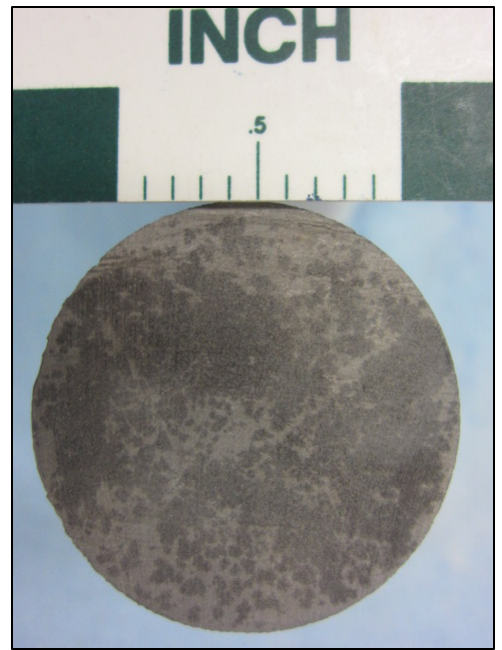
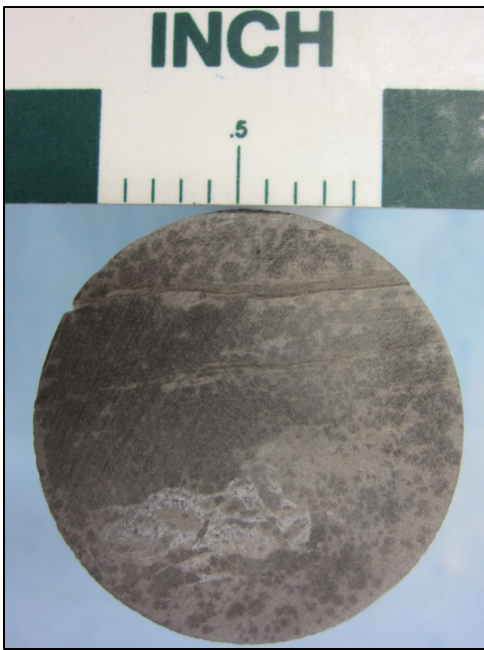
7-54
3925.9'

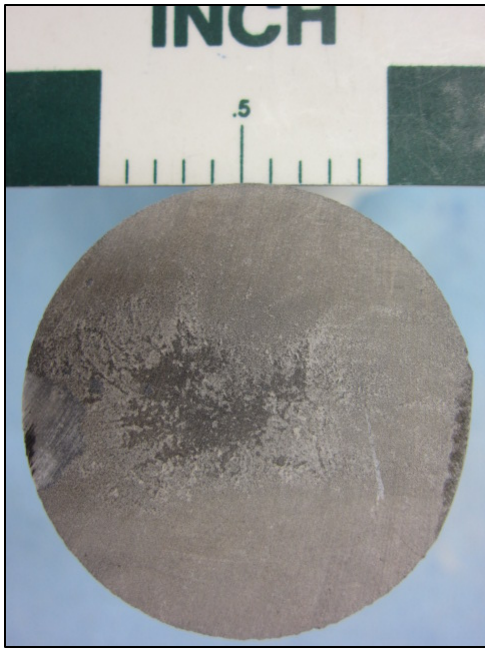


8-2
3930.1'

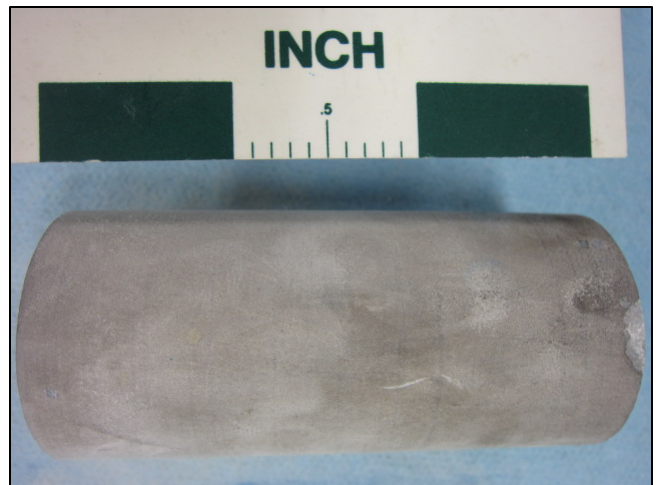
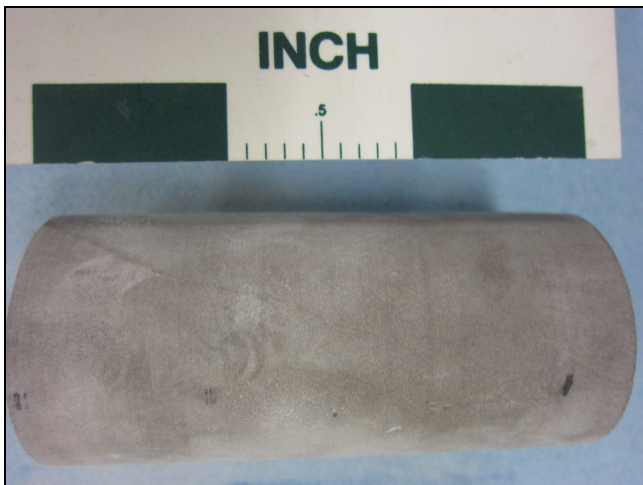
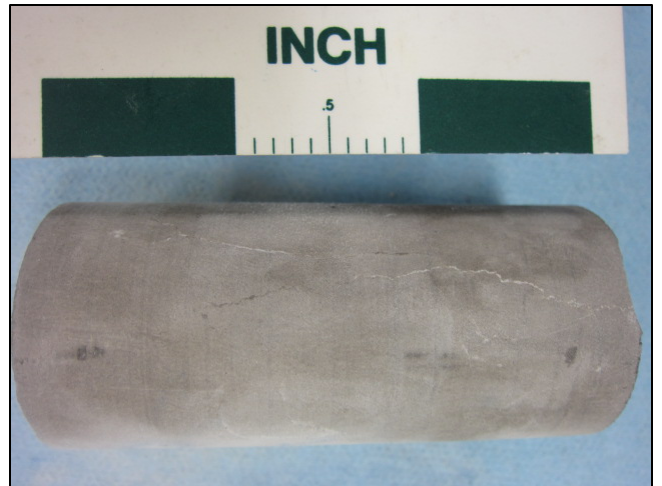
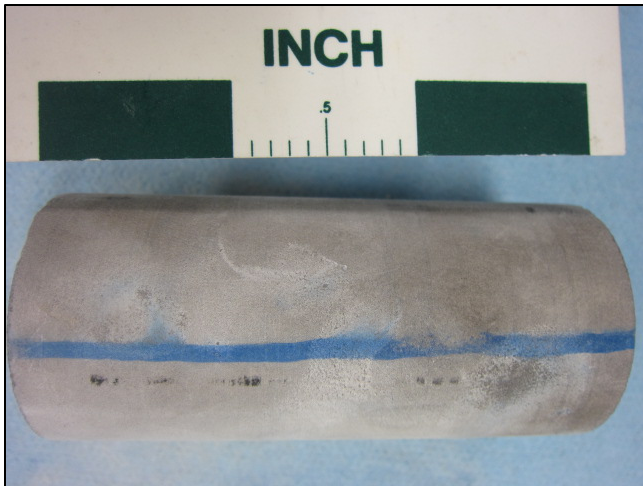
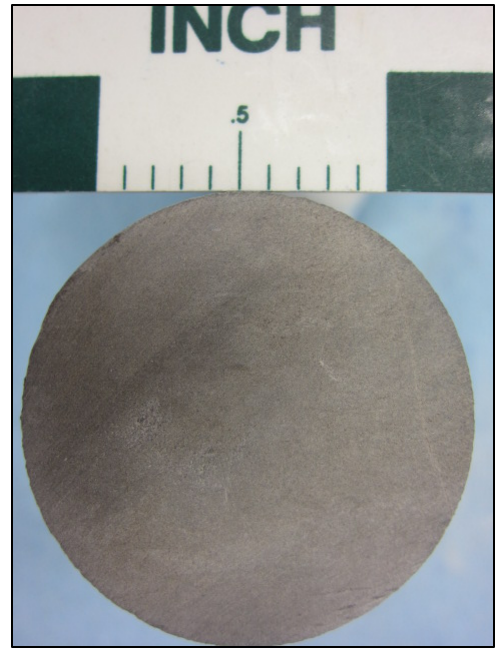


8-9
3937.5

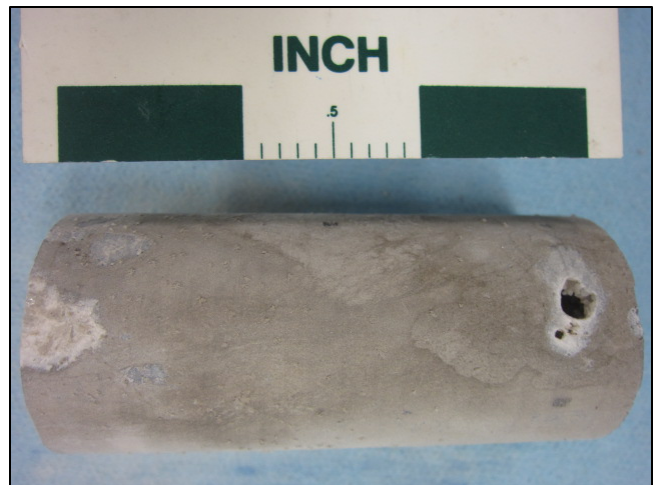
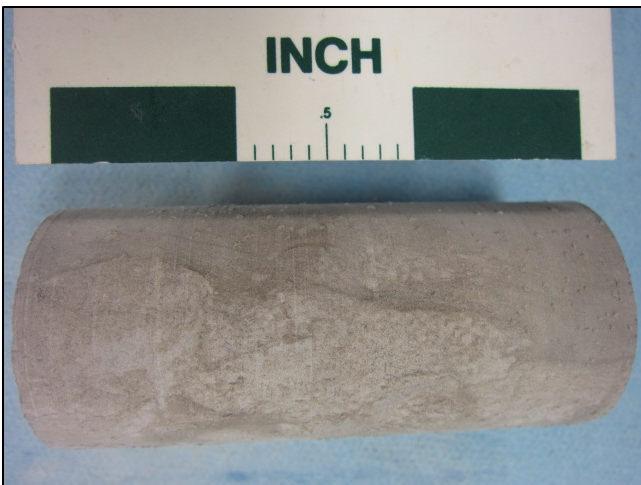
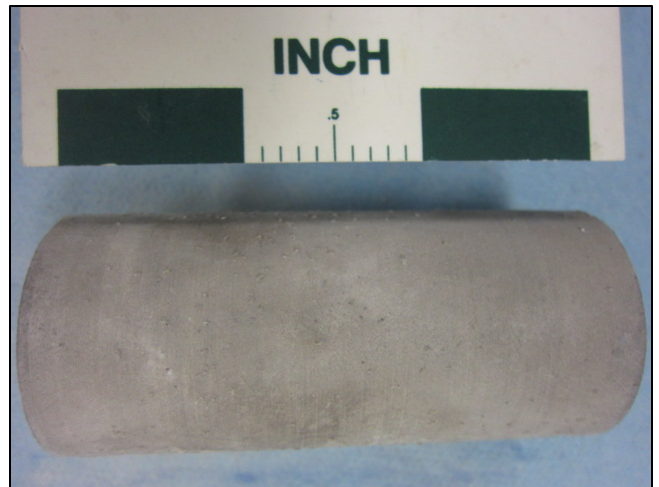
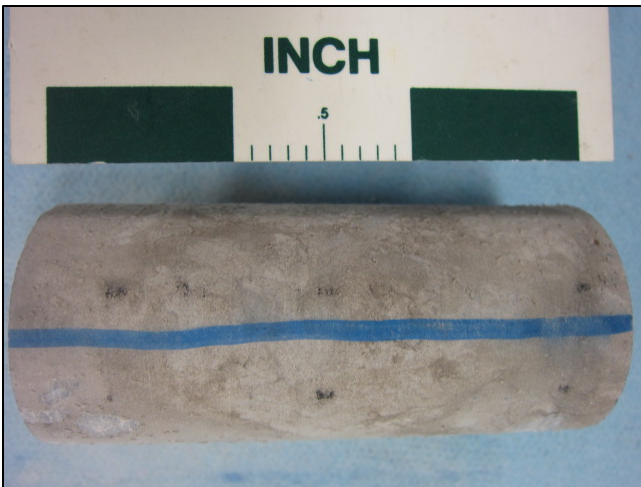
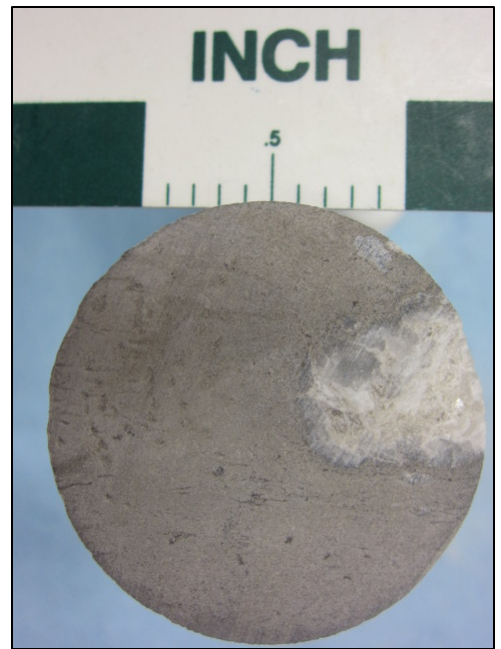
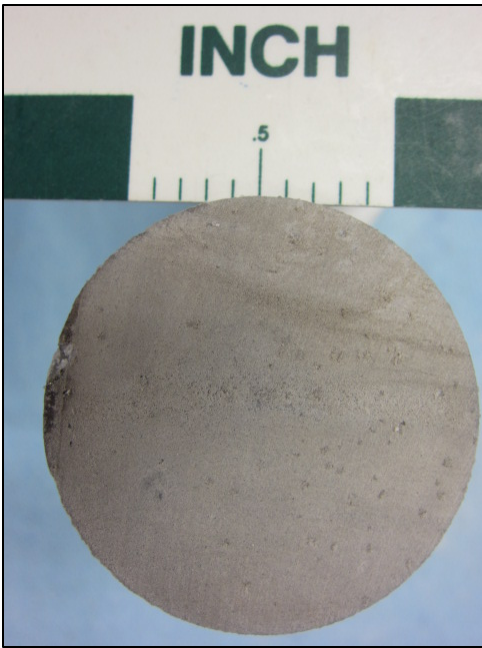




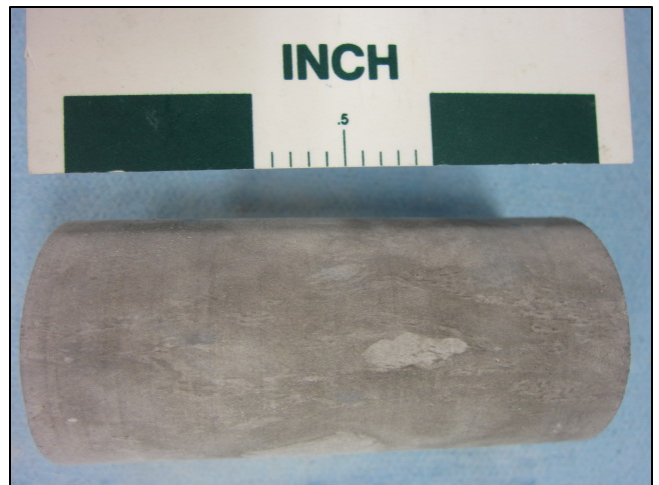
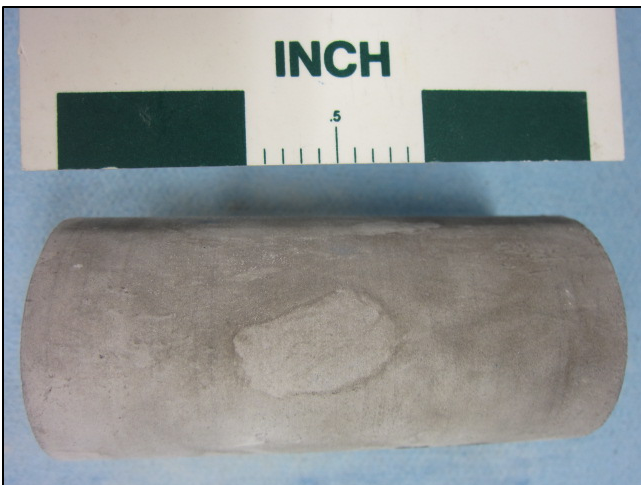
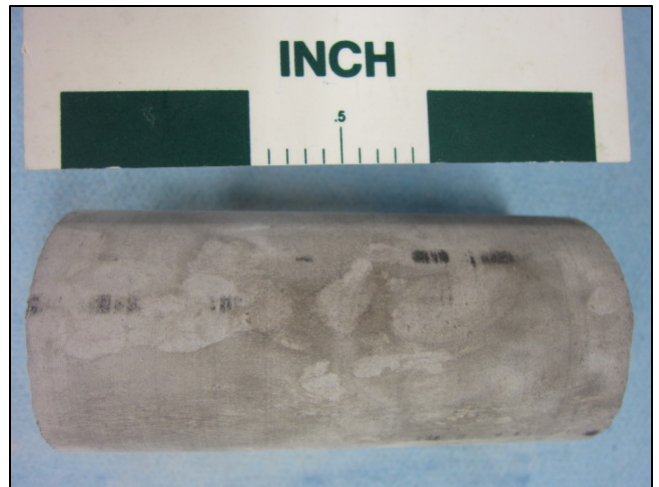
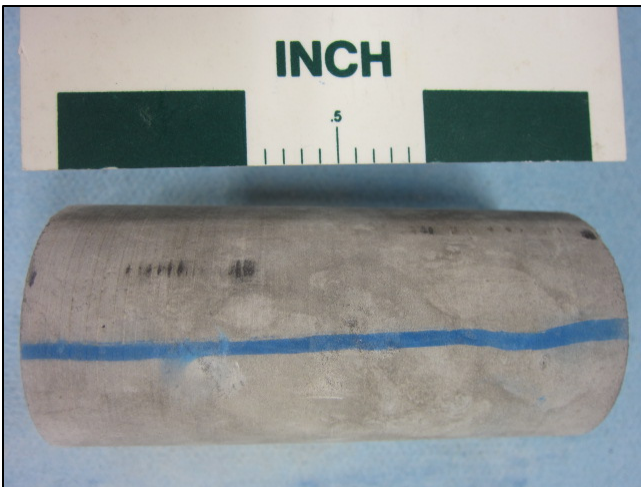
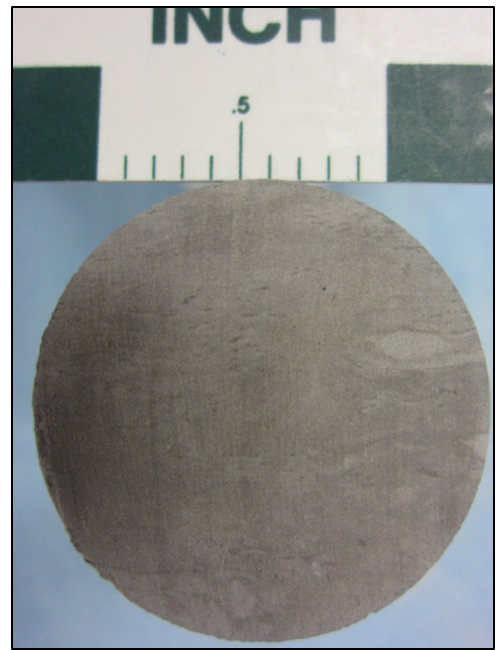
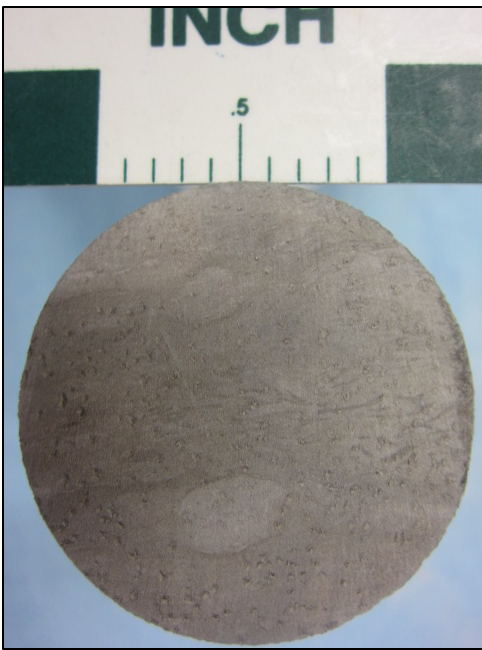
8-12
3940.2'

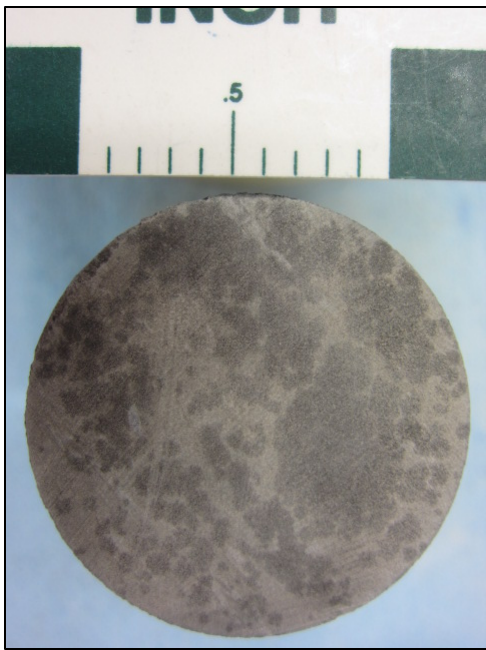


8-17
3945.8'

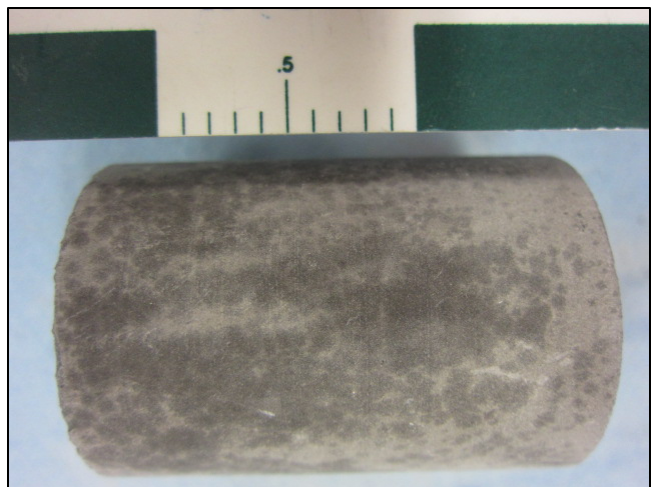
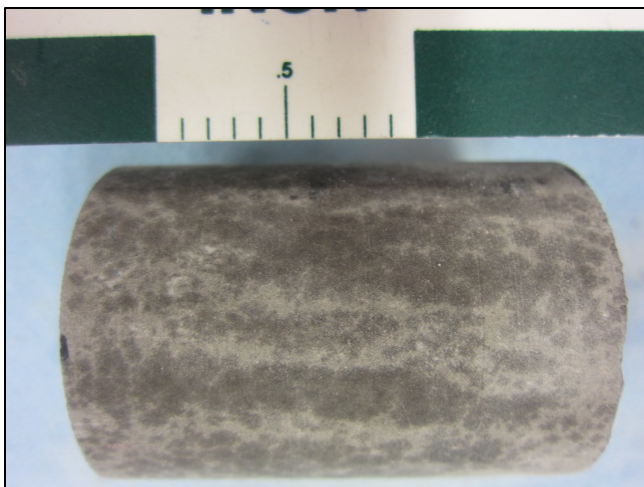
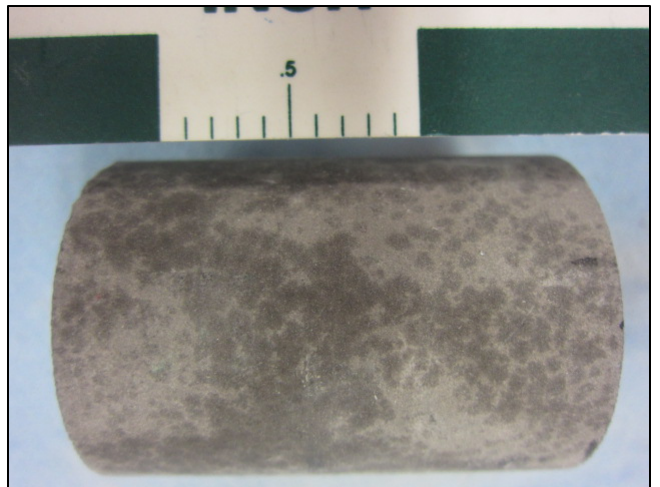
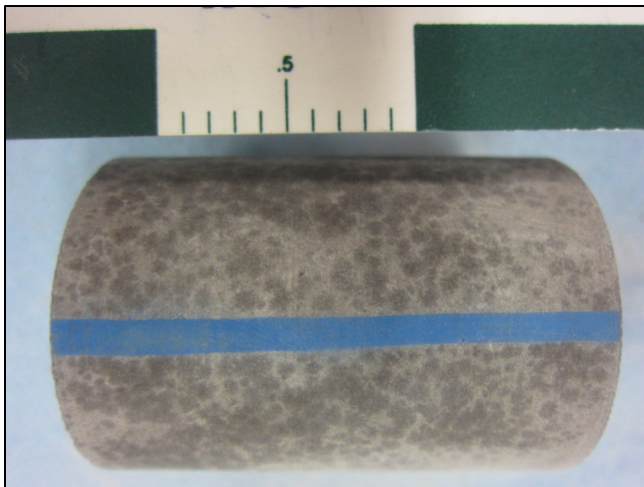
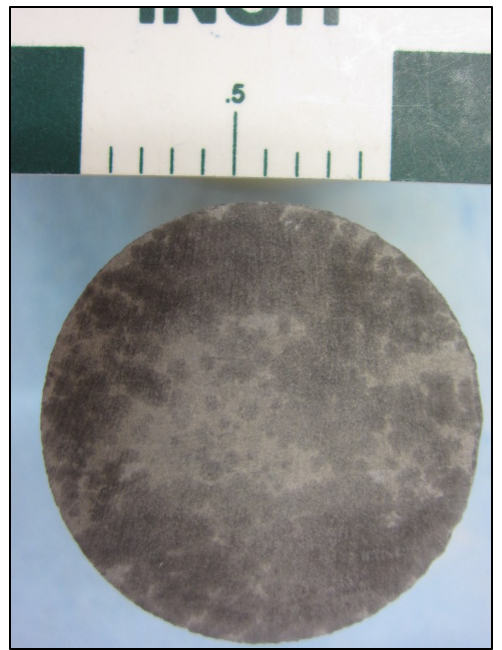


8-26
3954.9'

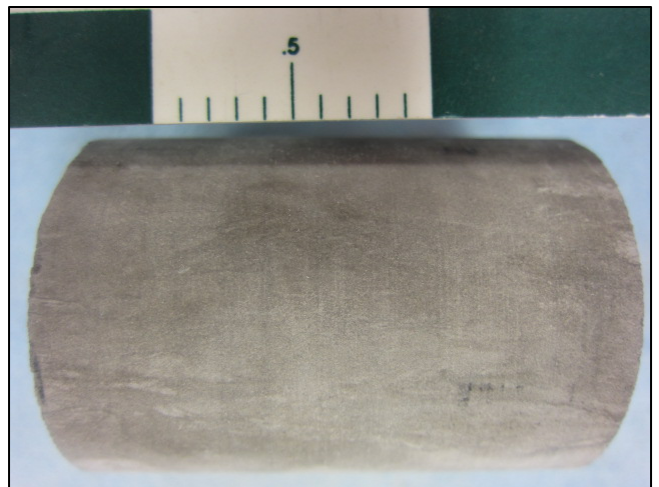
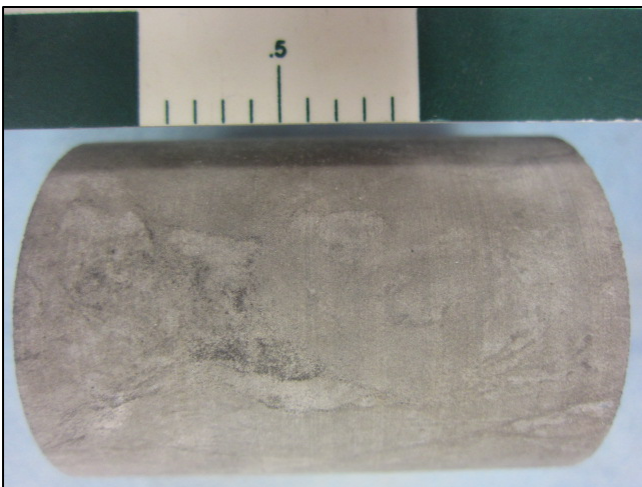
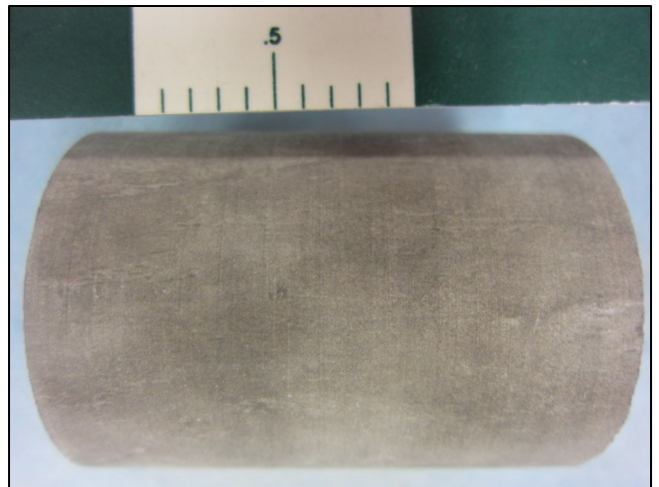
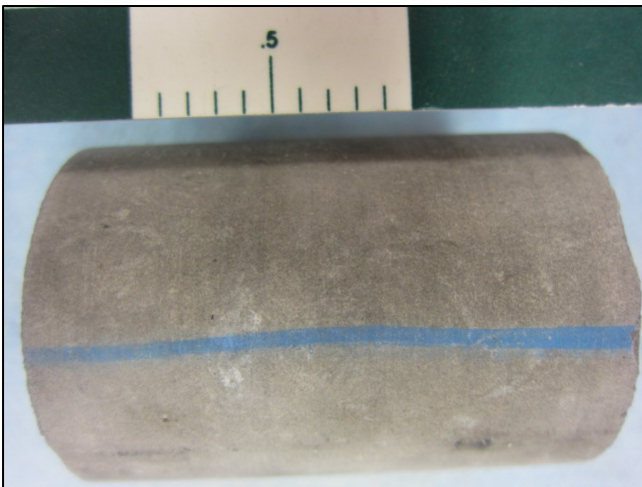
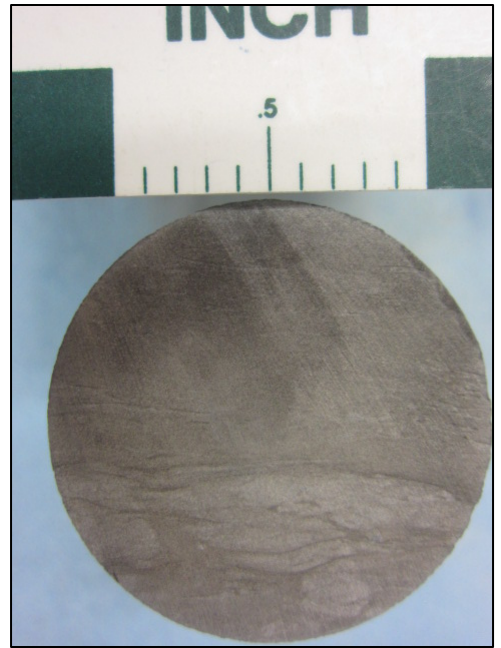
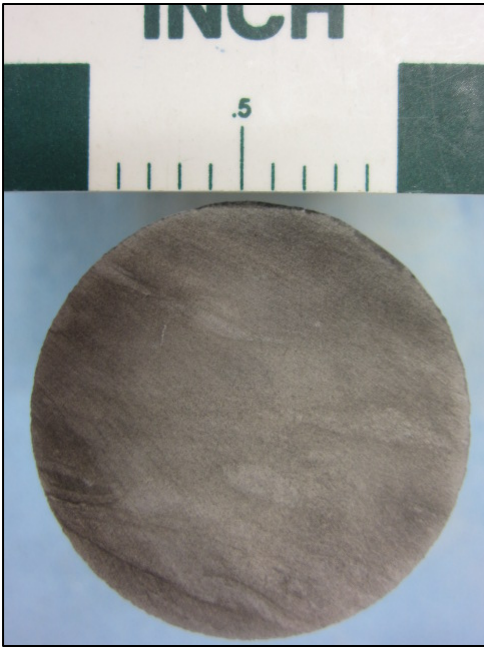




8-39
3967.8'

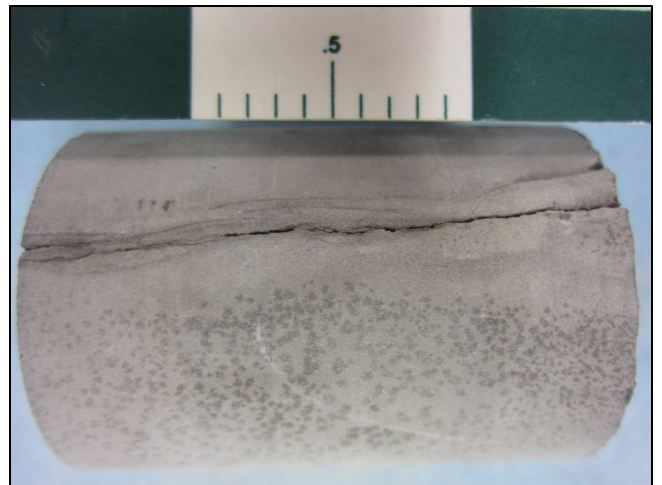
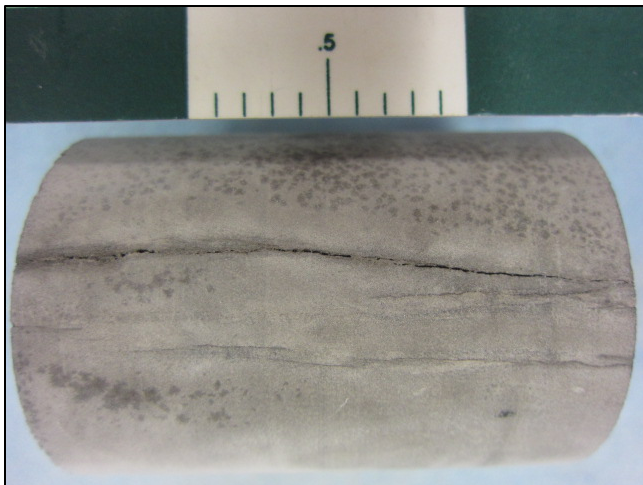
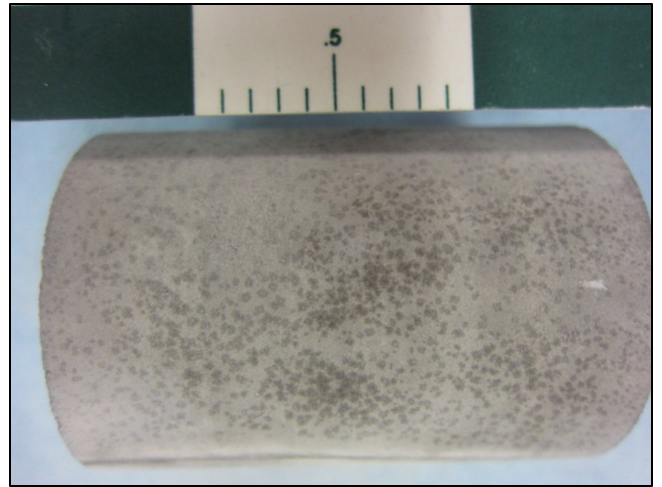
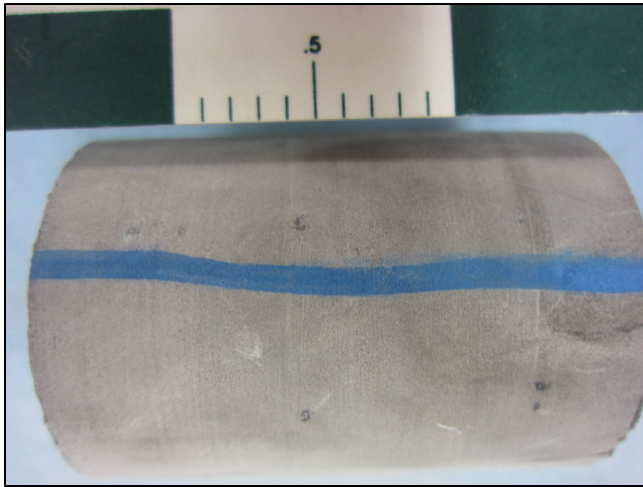
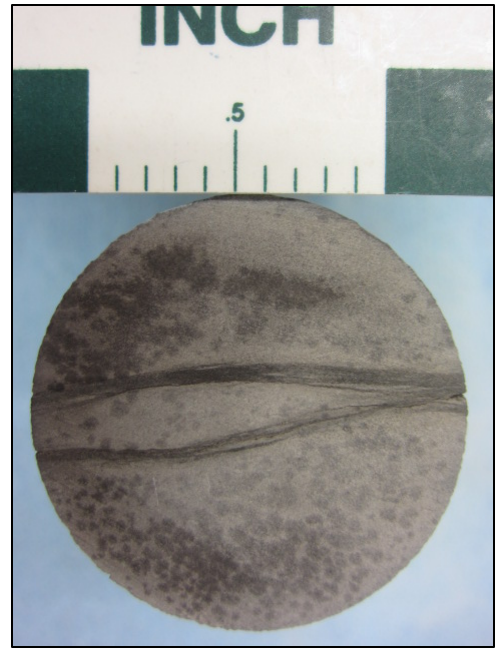


8-41
3969.9'

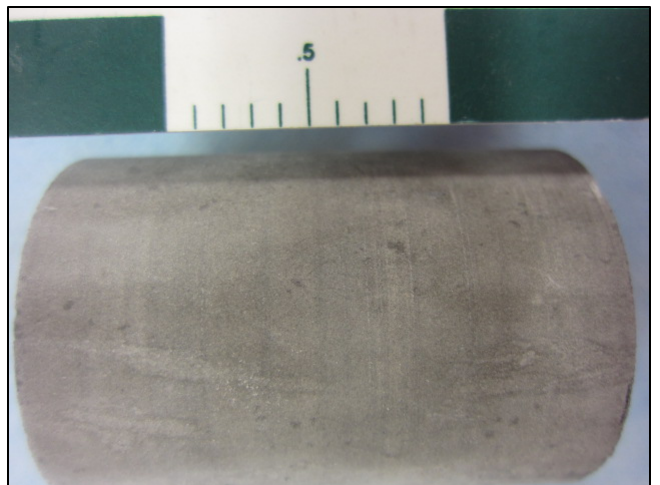
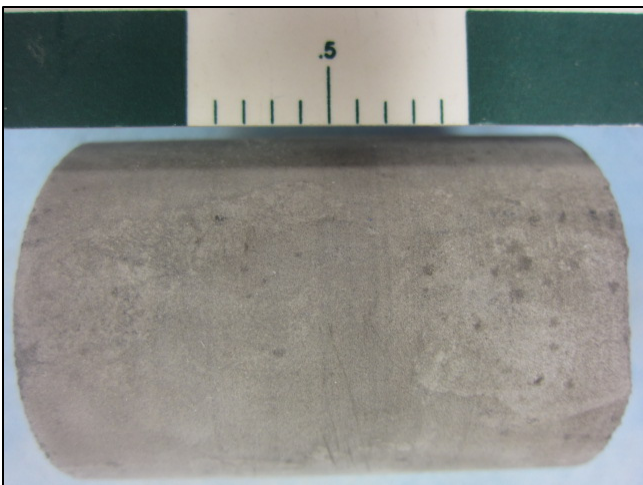
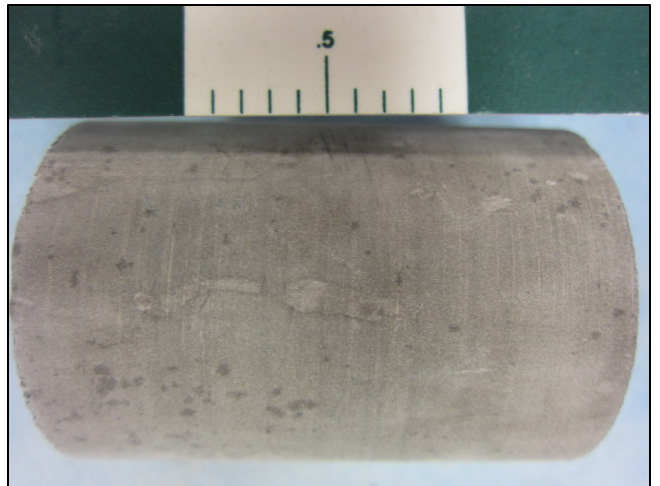
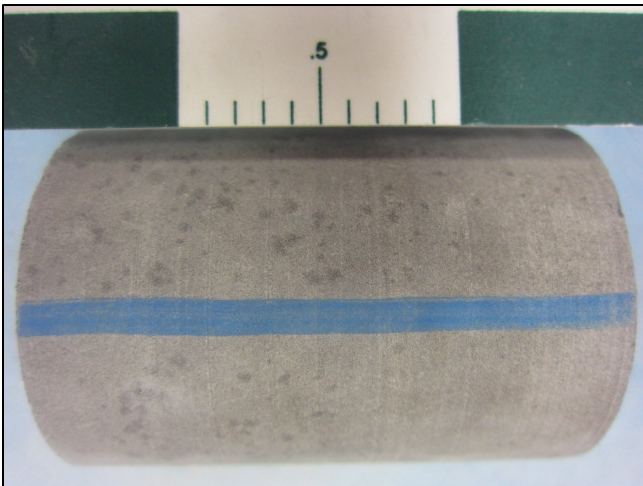
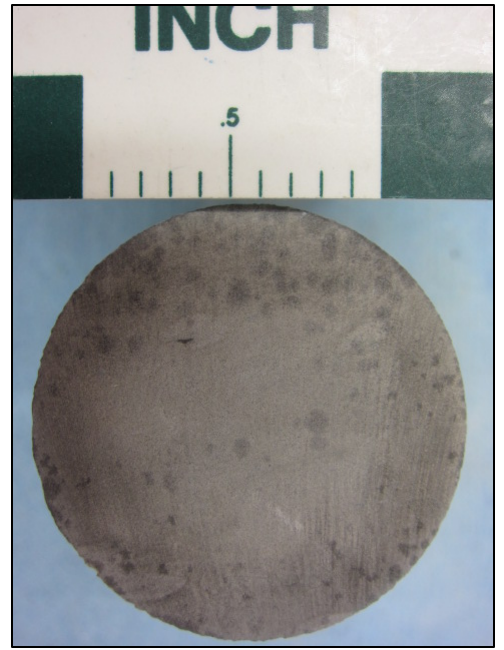
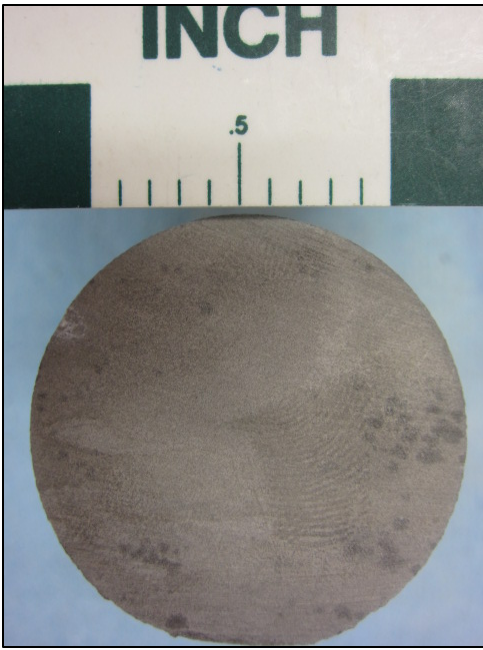




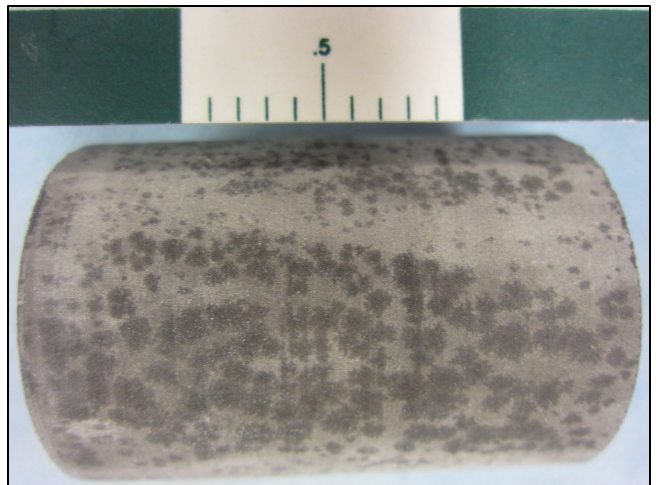
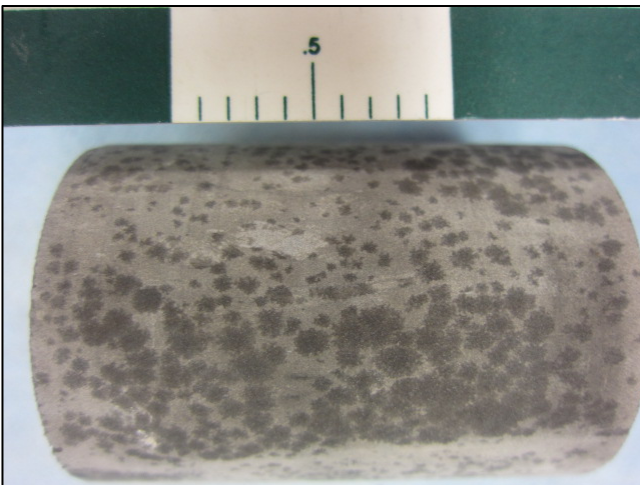
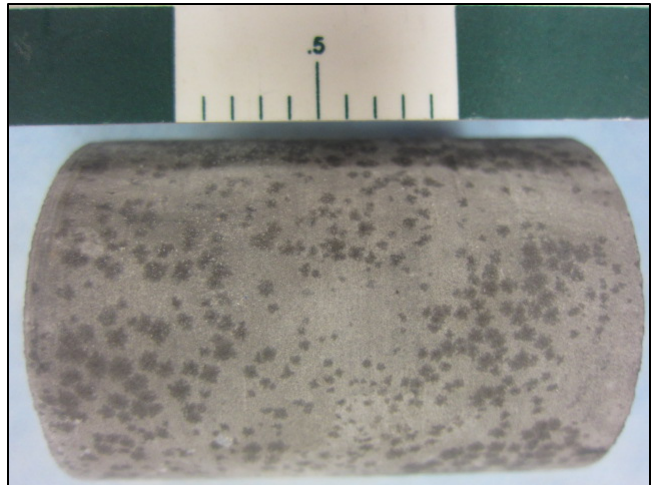
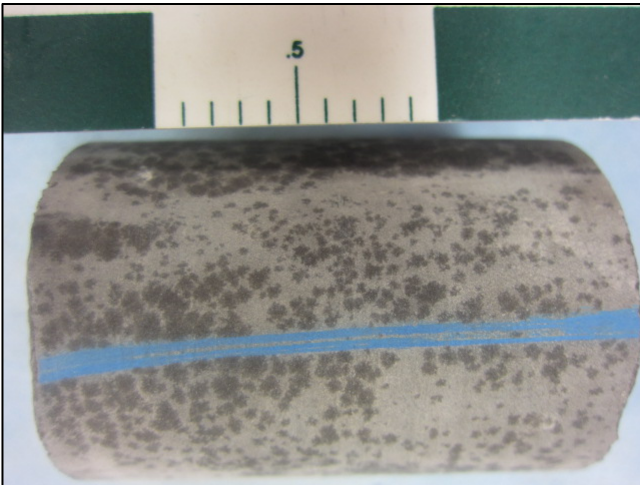
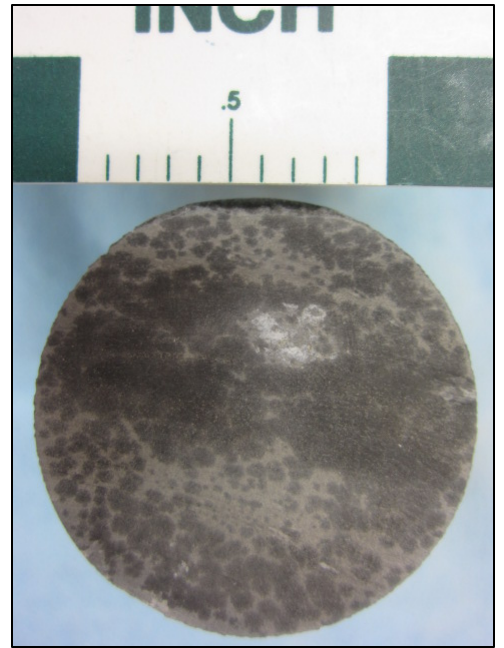
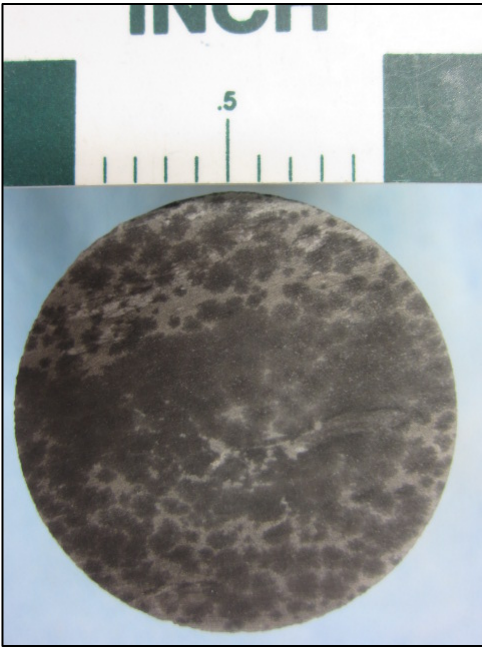
8-51
3979.3'



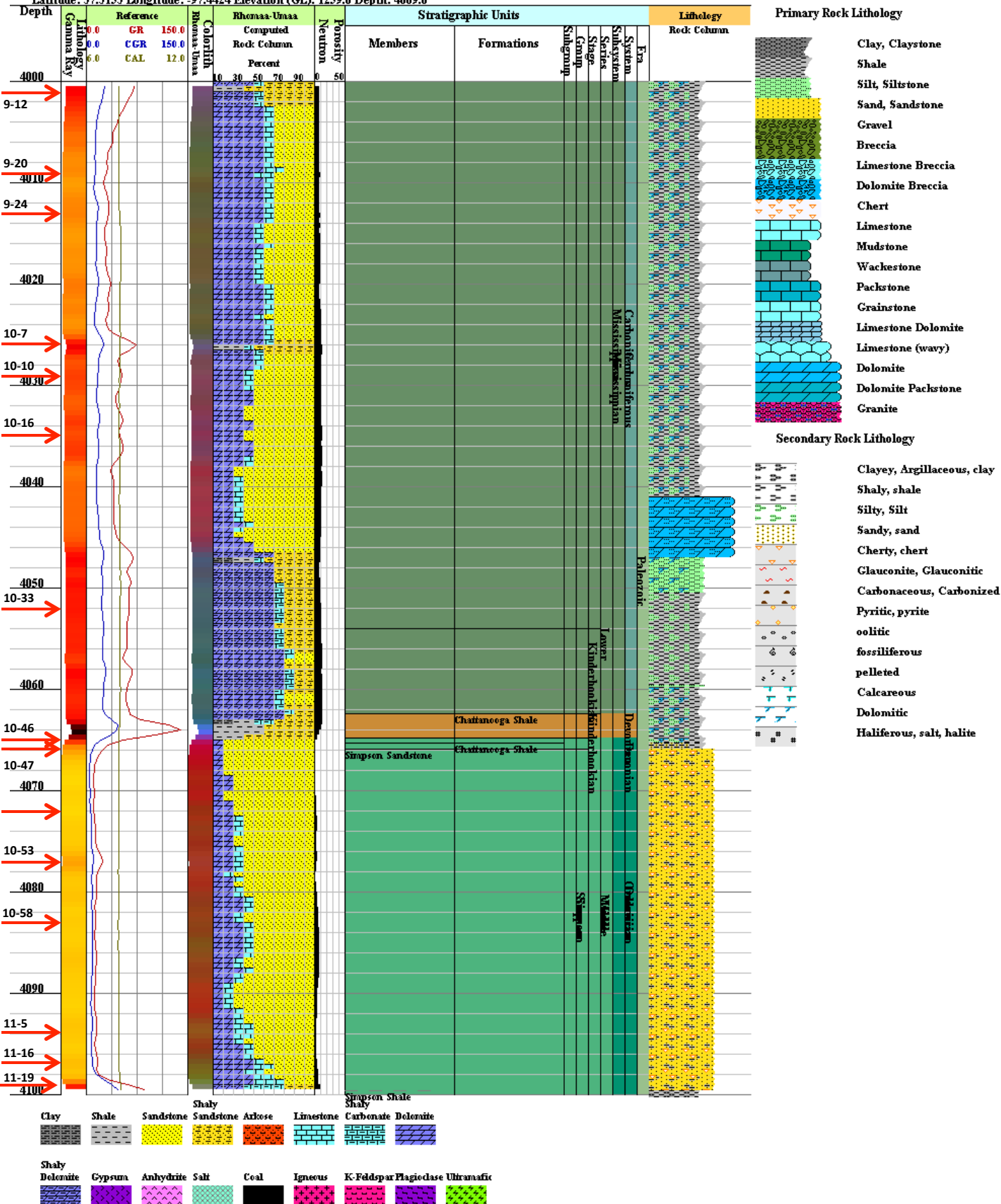
8-60
3988.2'



9-2
3991.9'



Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32
 Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



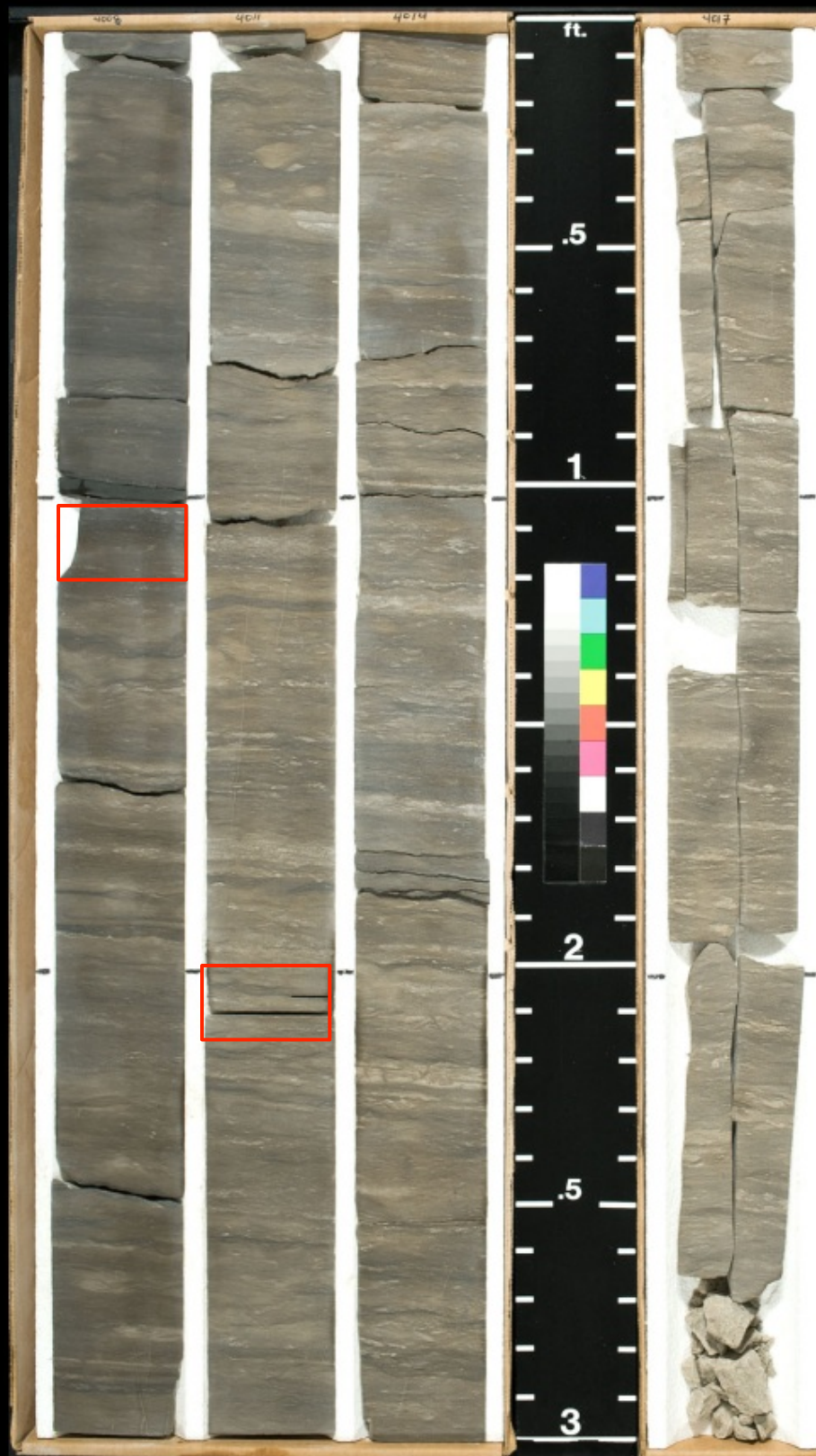
4008

4011

4014

CORE 9

4017



4020

4023

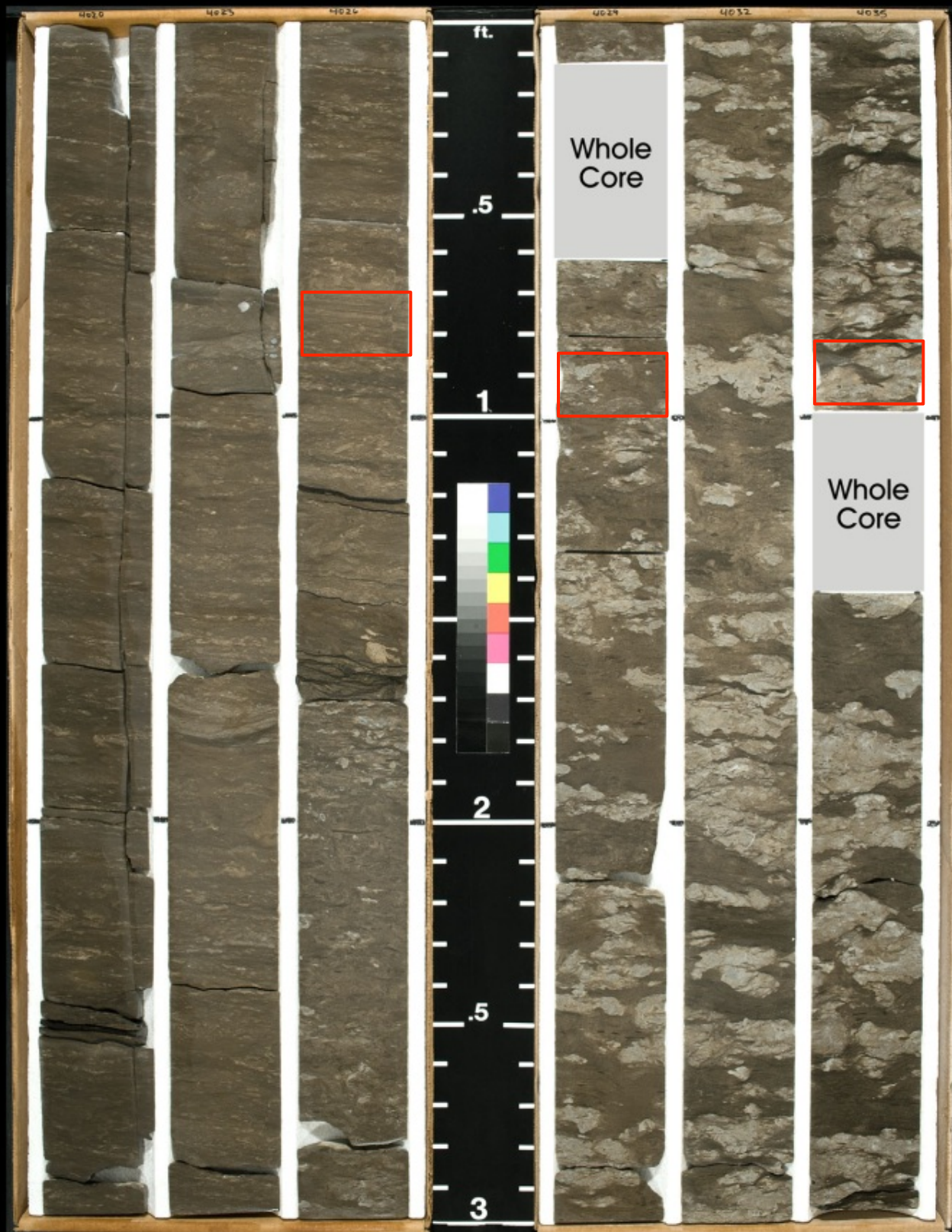
4026

CORE 10

4029

4032

4035



4038

4041

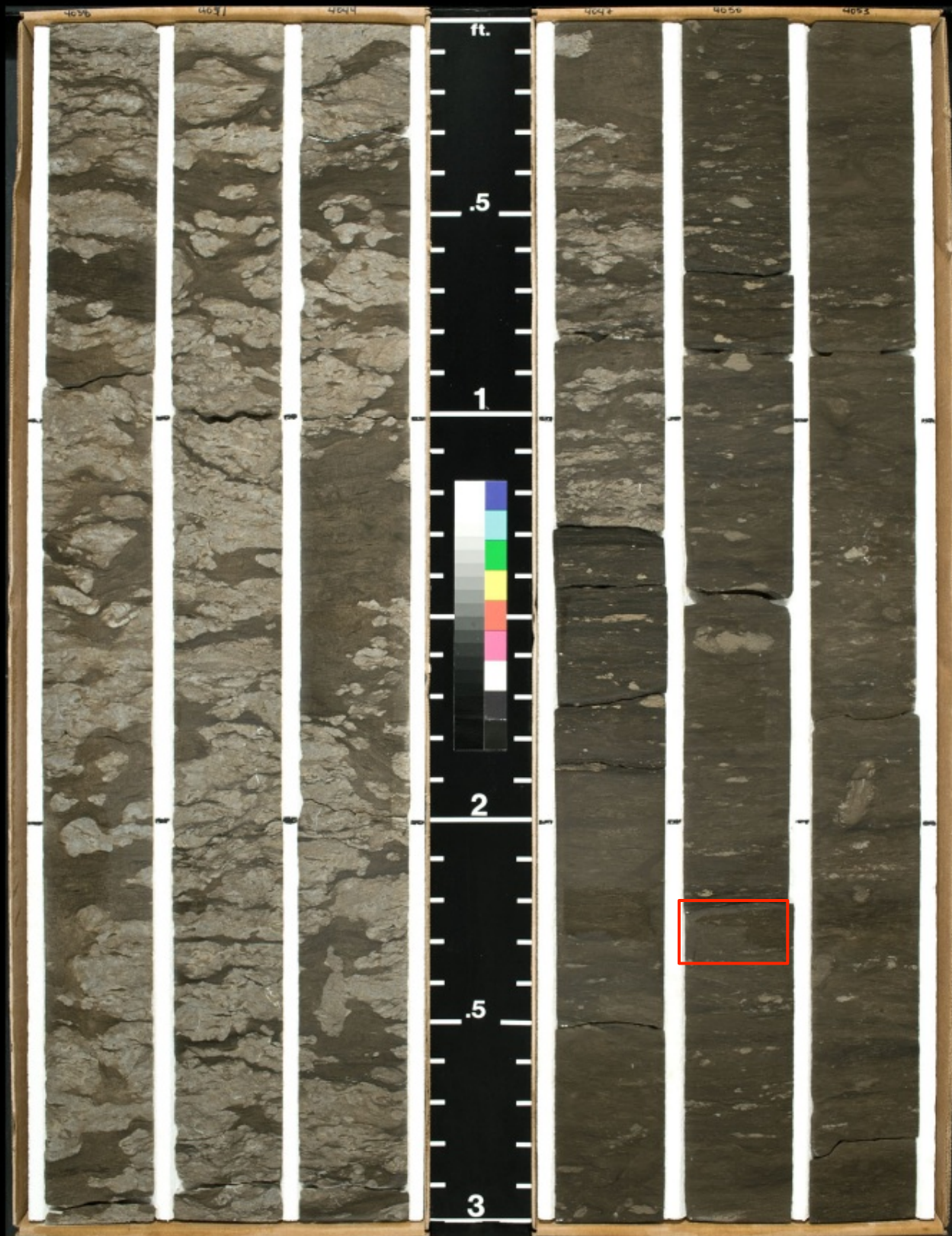
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CORE 10

4047

4050

4053



4056

4059

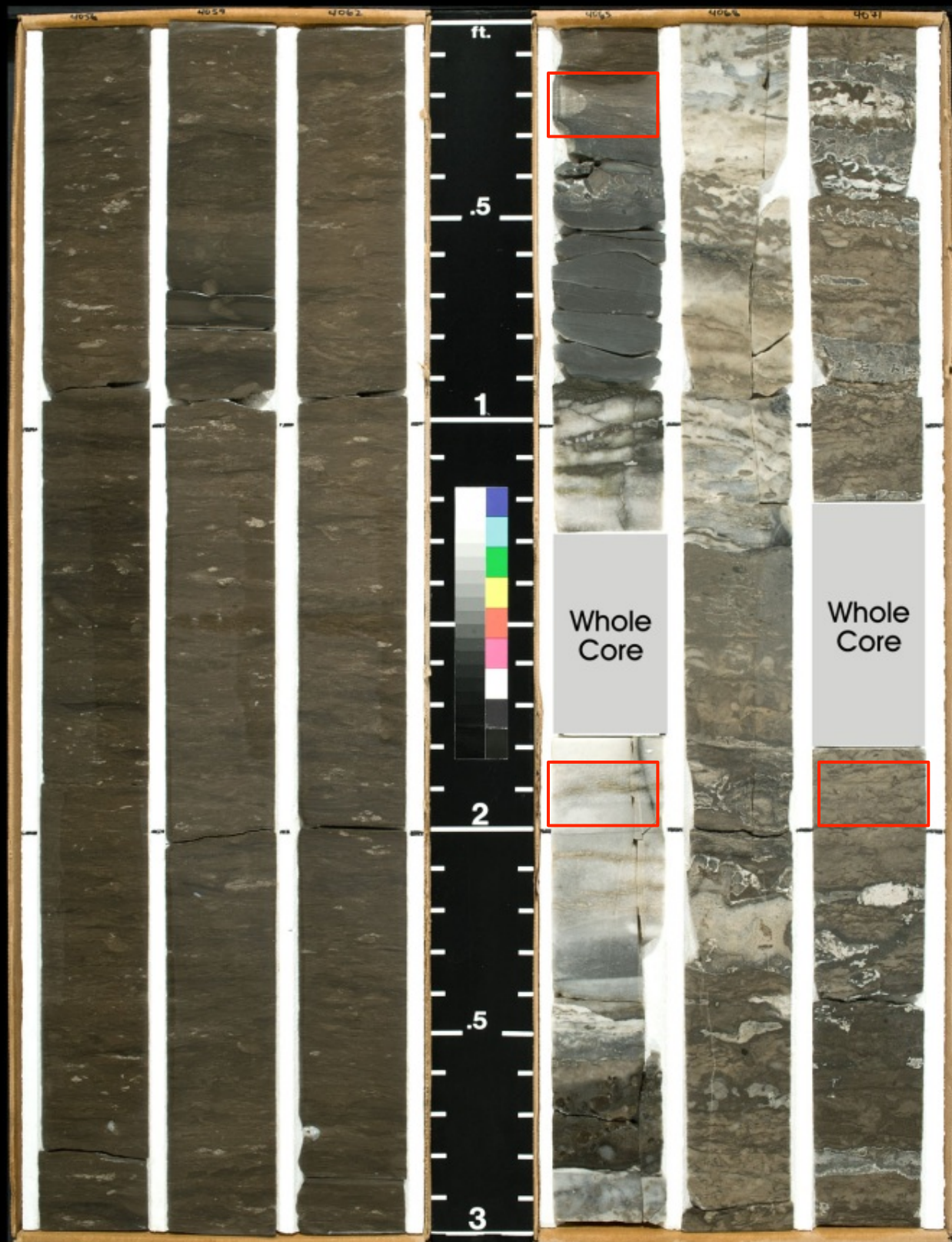
4062

CORE 10

4065

4068

4071



4074

4077

CORE 10



4079

4082

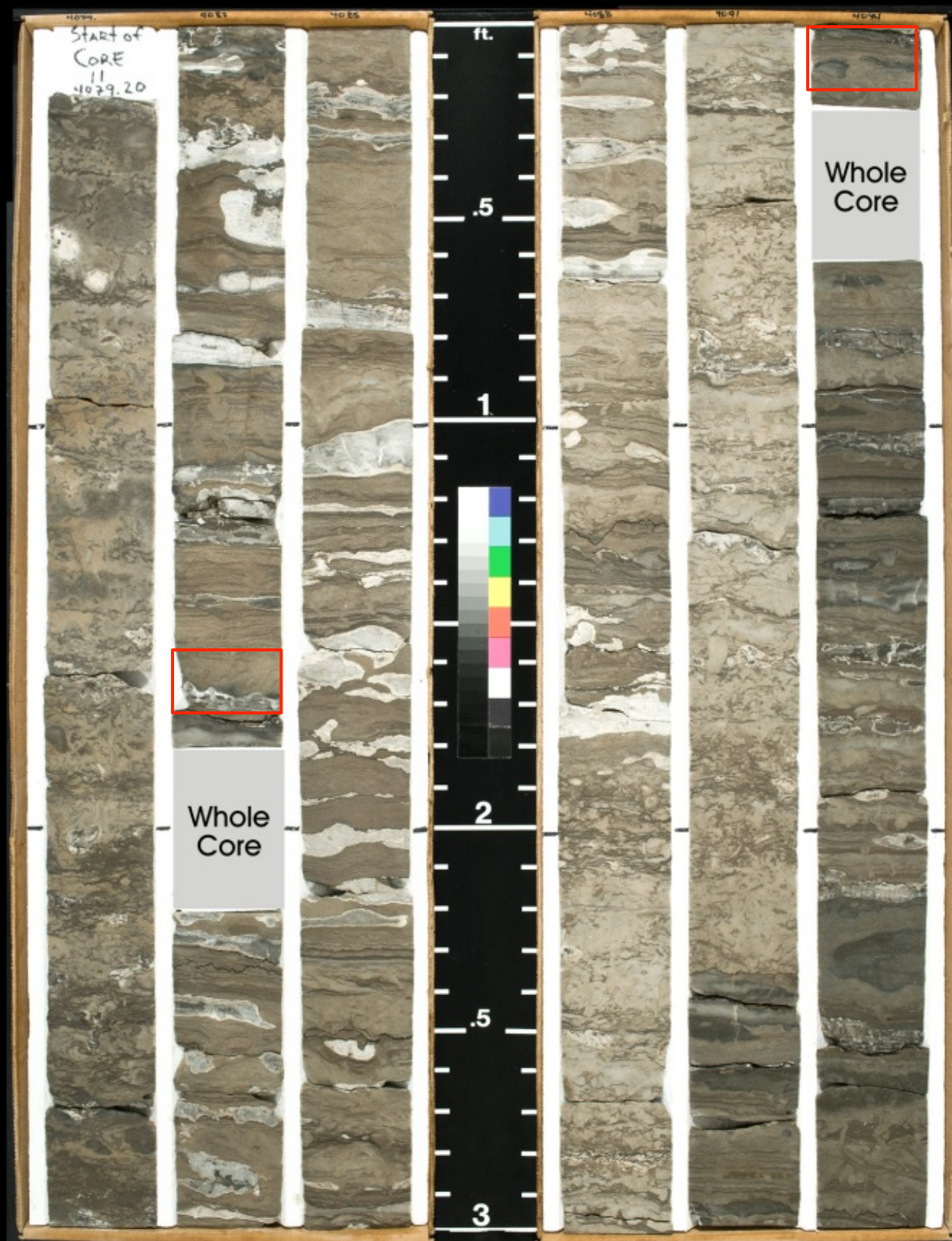
4085

CORE 11

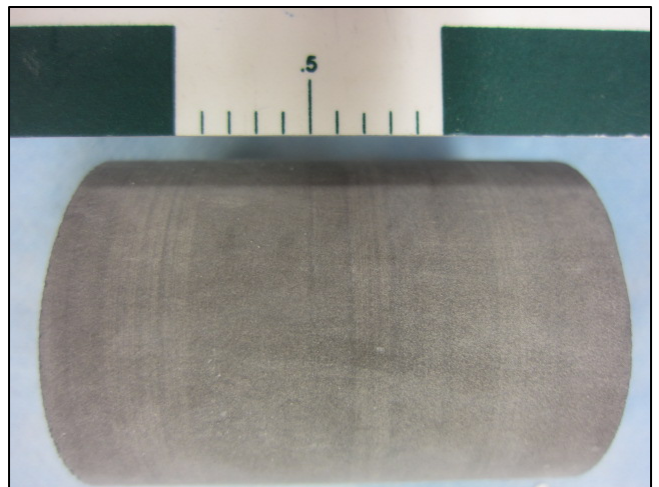
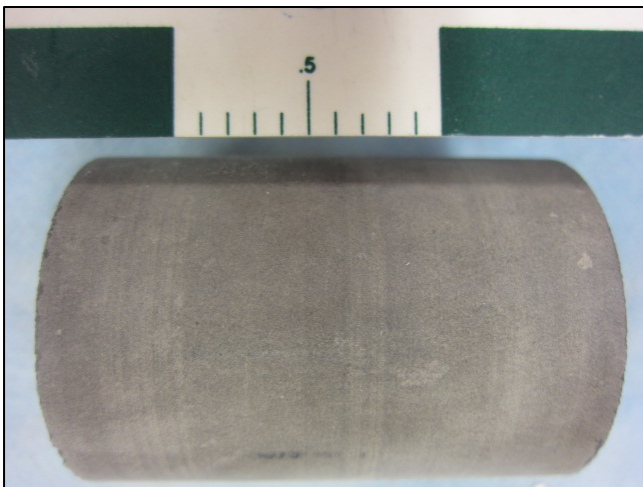
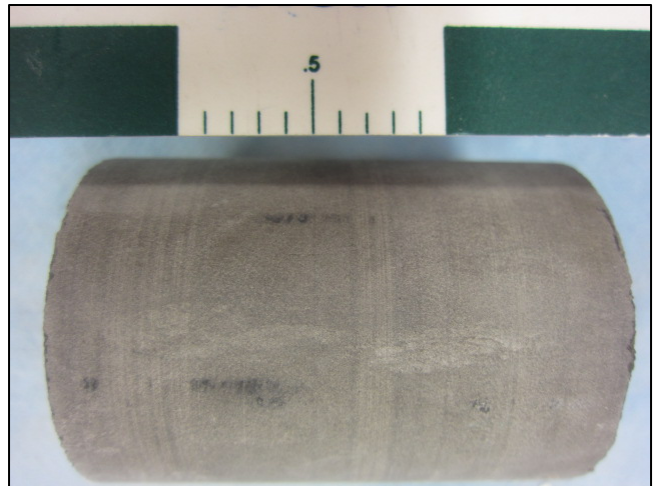
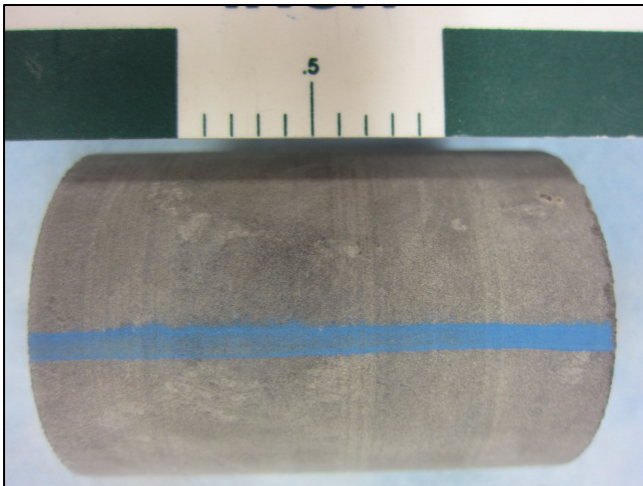
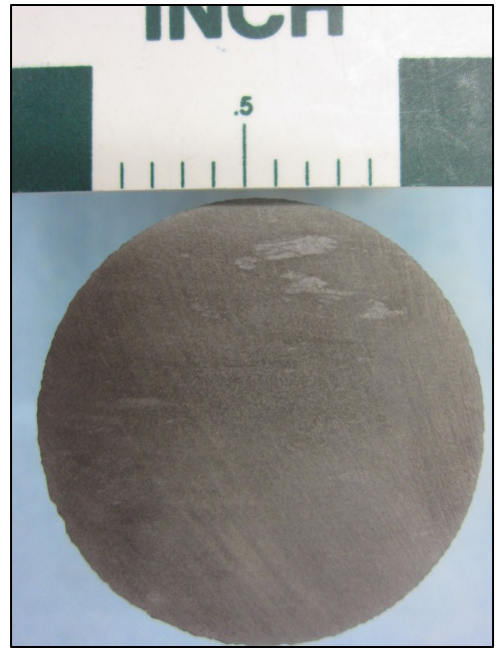
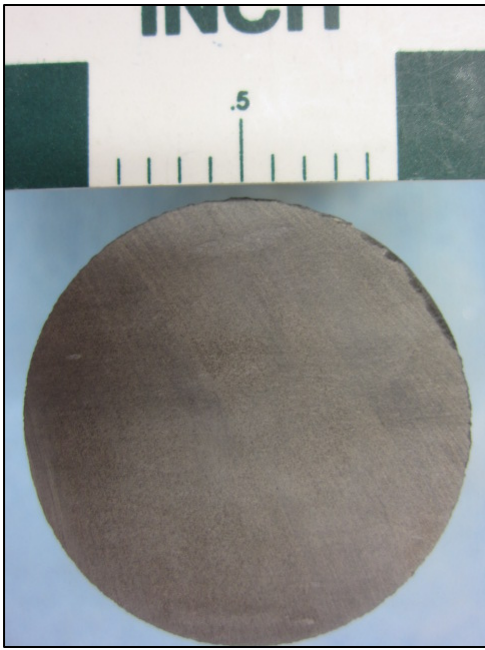
4088

4091

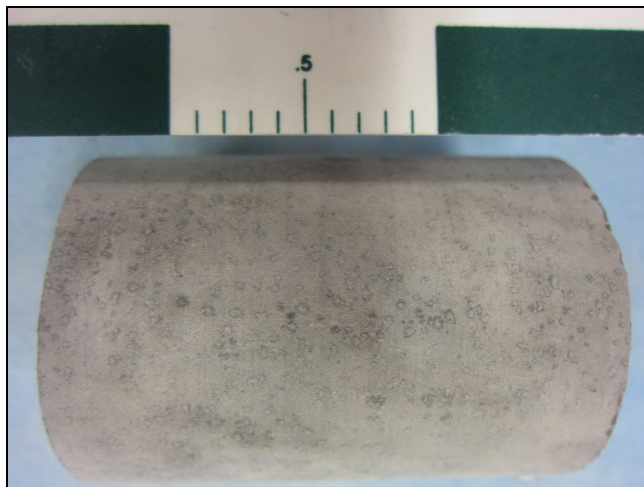
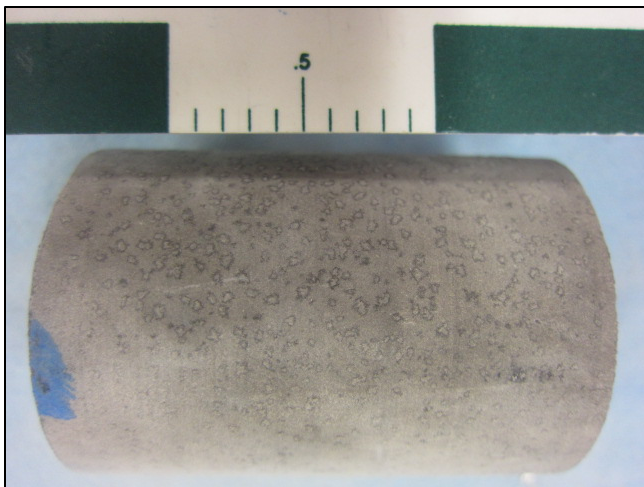
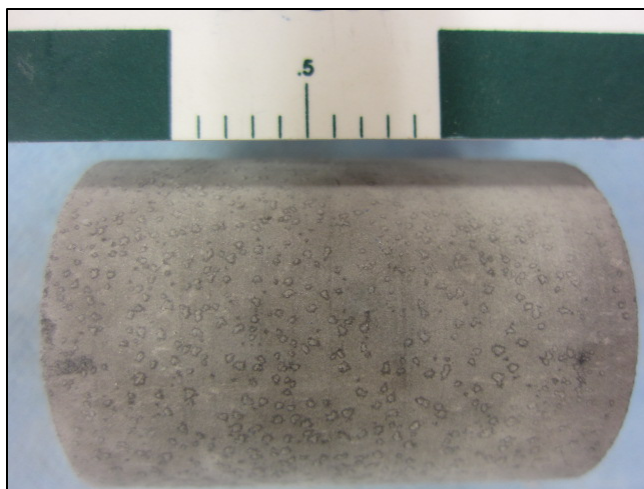
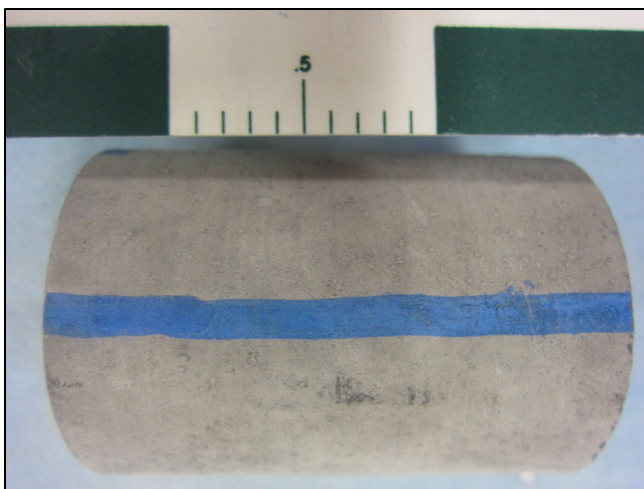
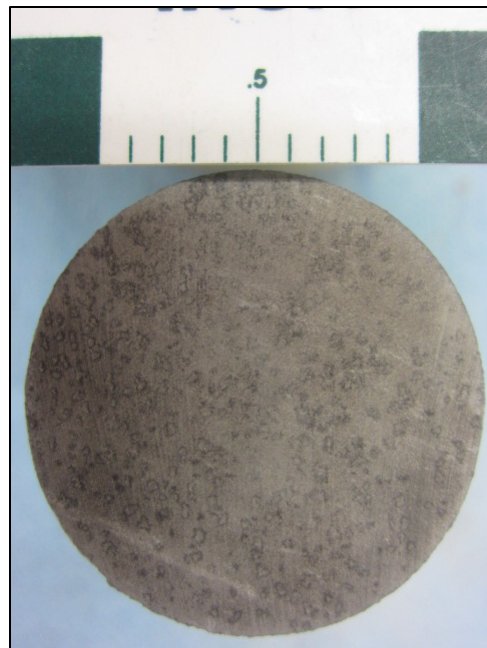
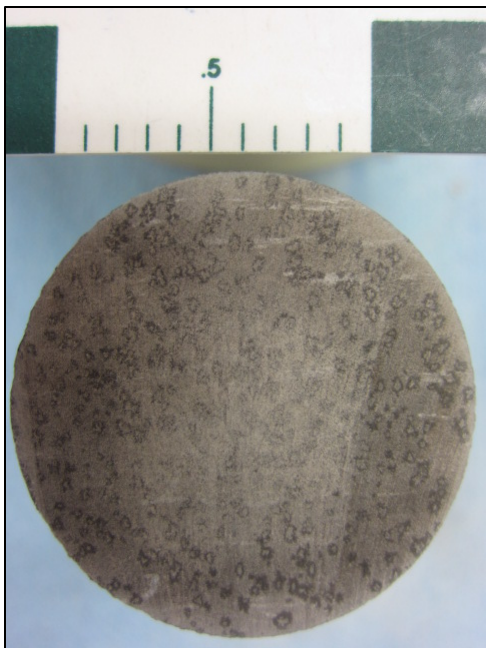
4094



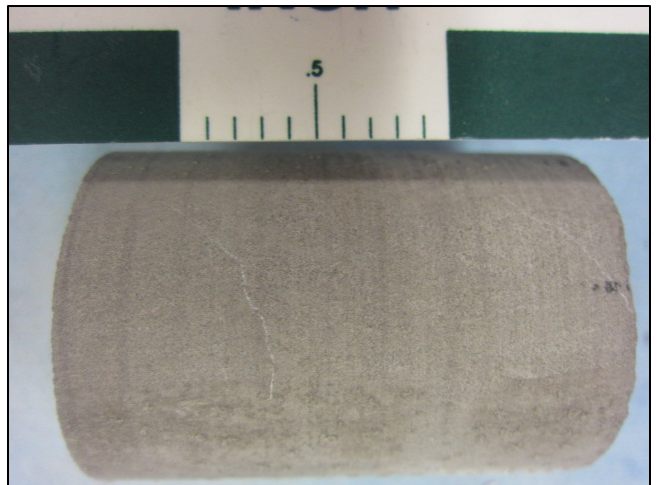
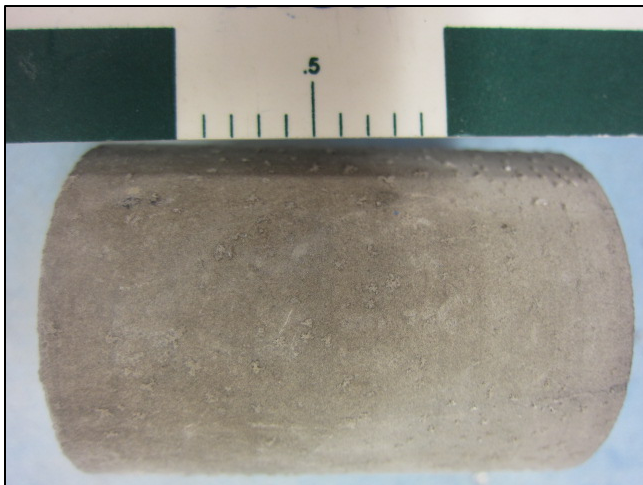
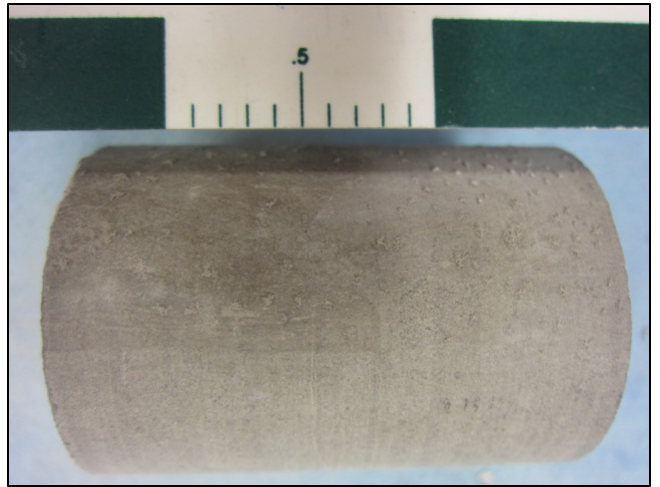
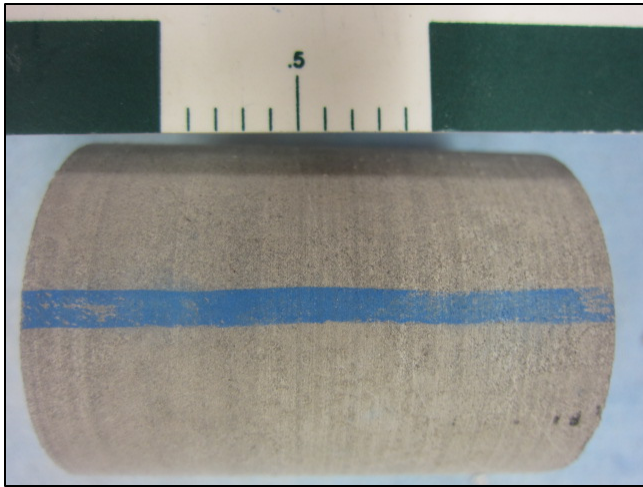
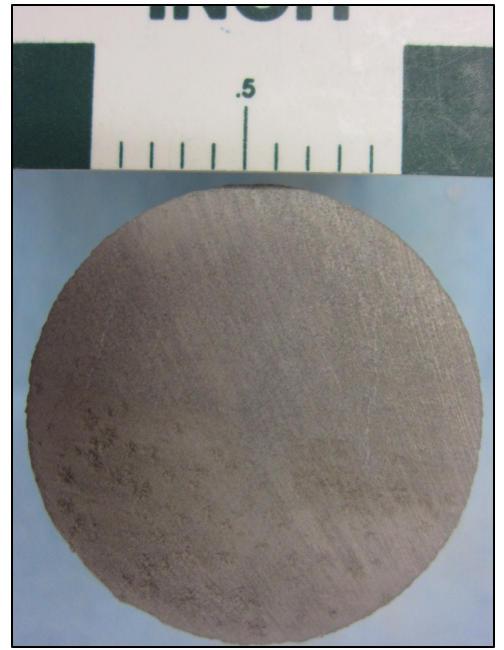
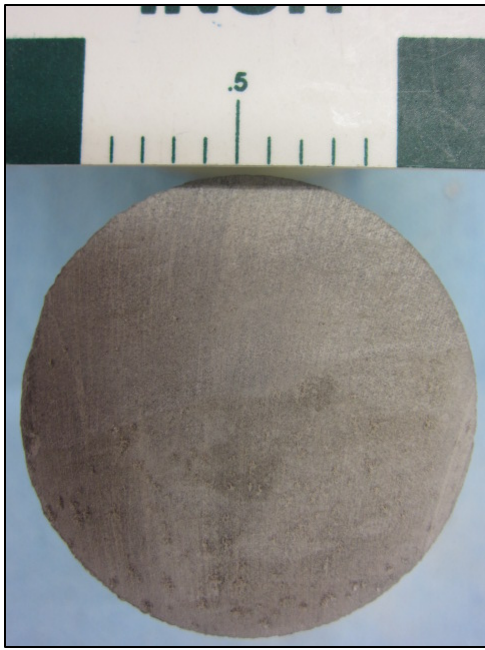
9-12
4001.1'



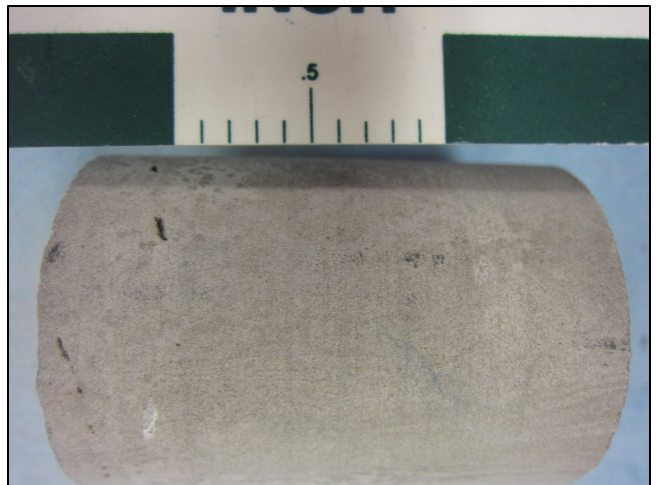
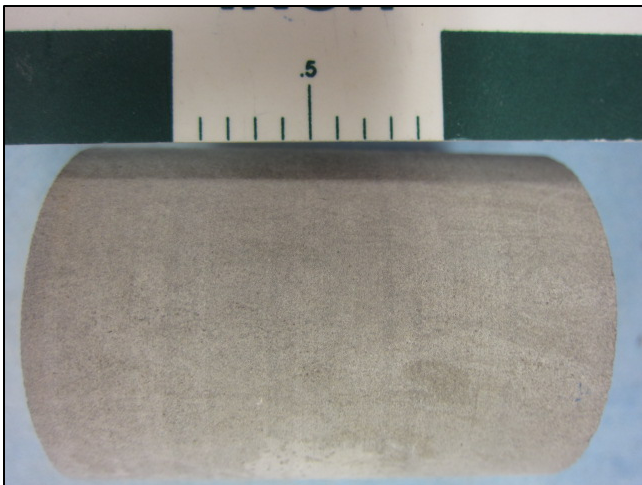
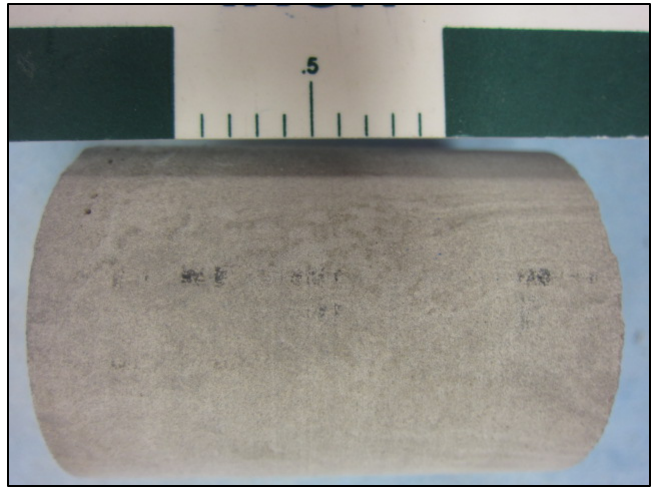
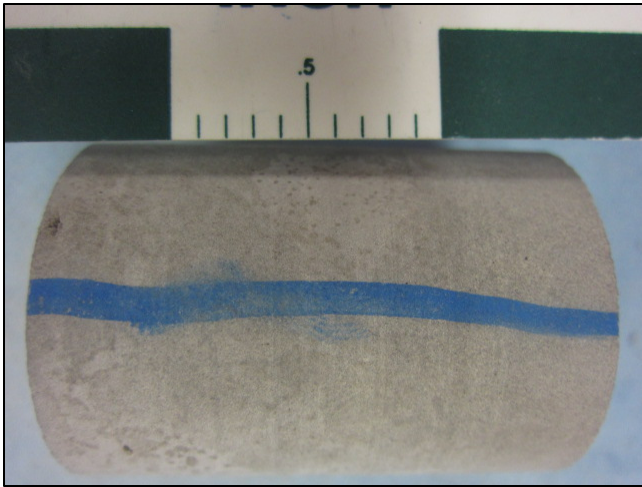
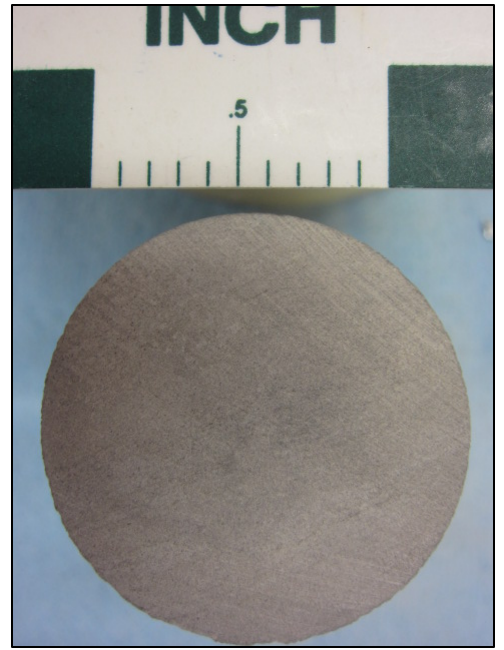
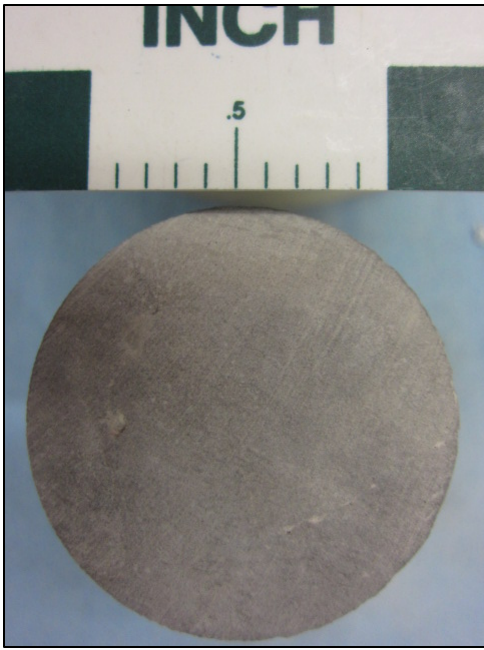
9-20
4009.2'



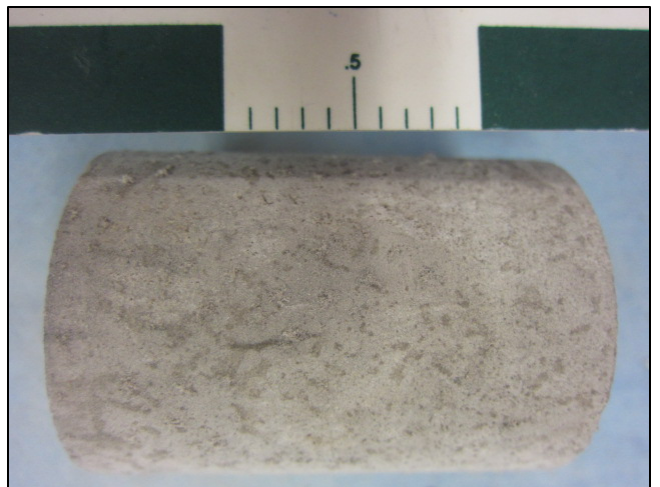
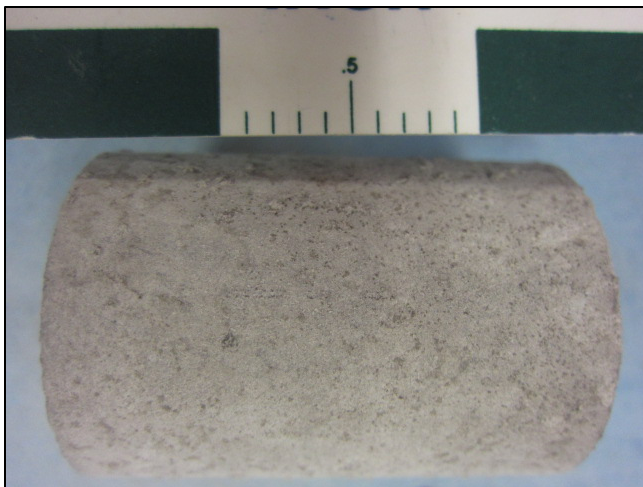
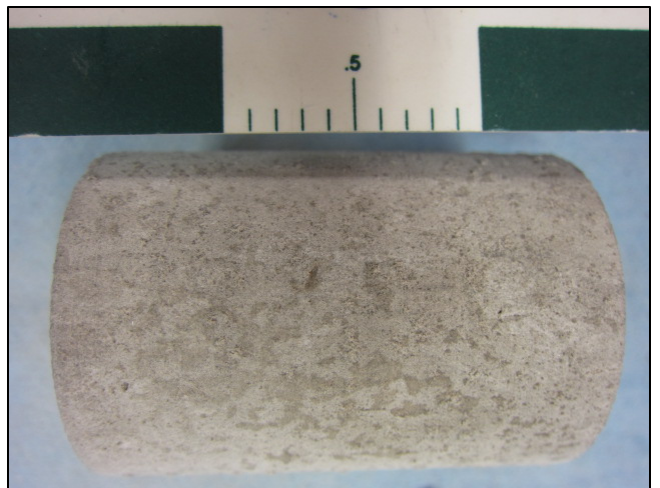
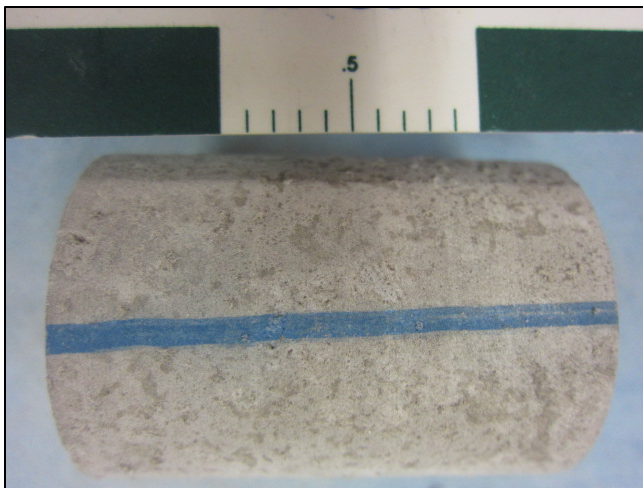
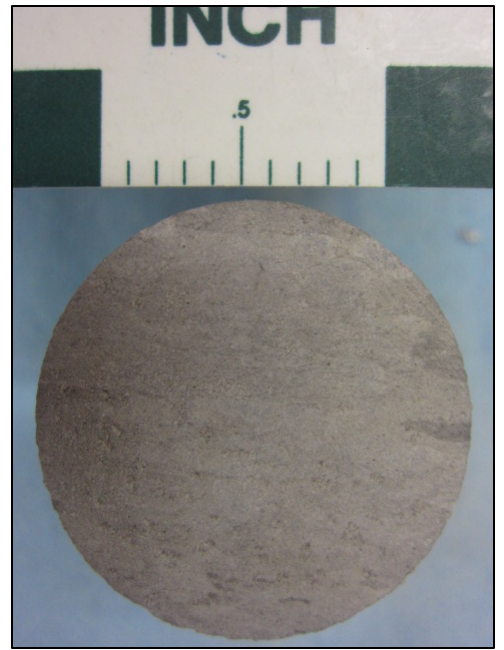
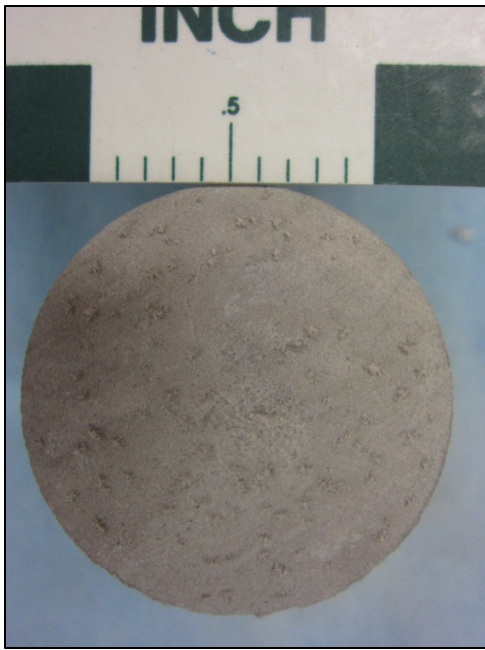
9-24
4013.0'



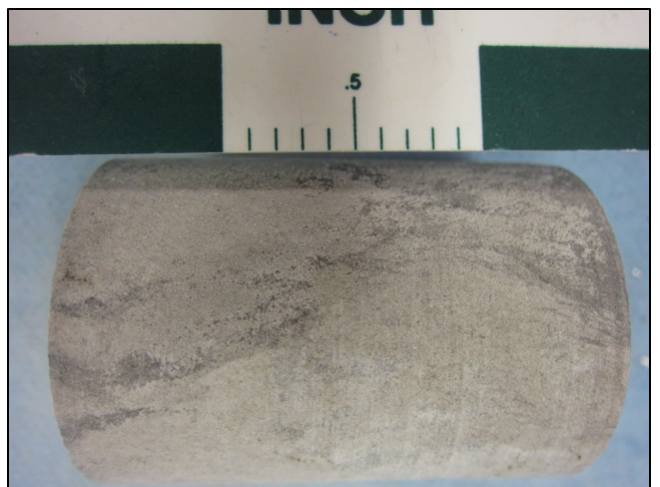
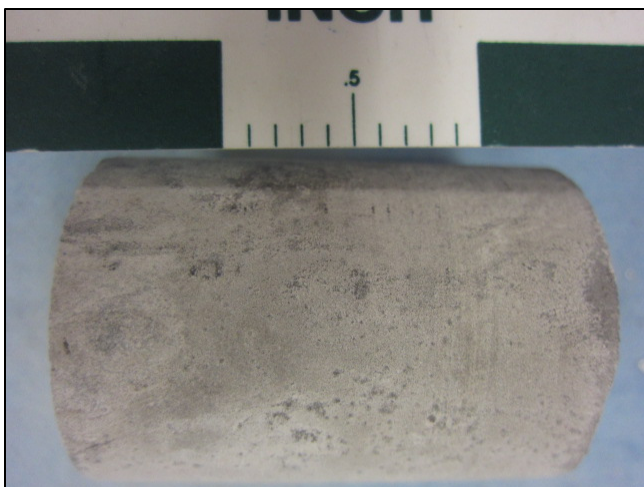
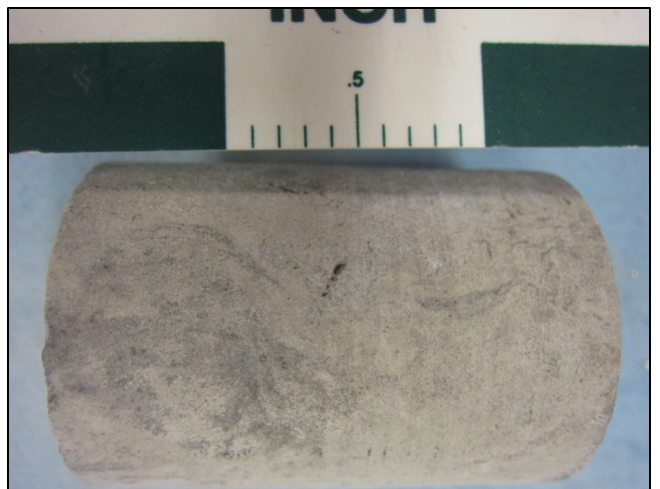
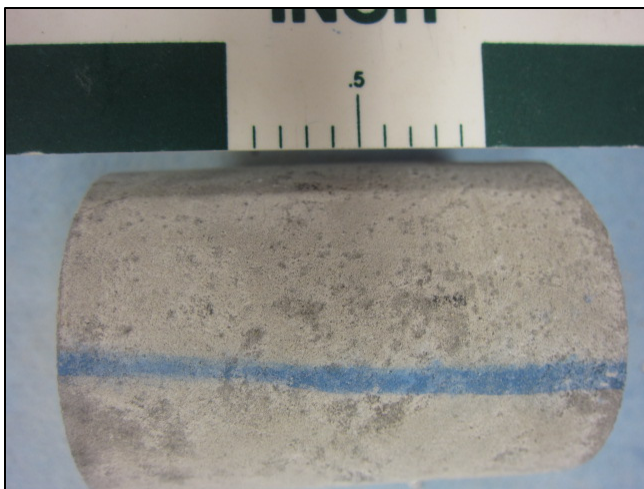
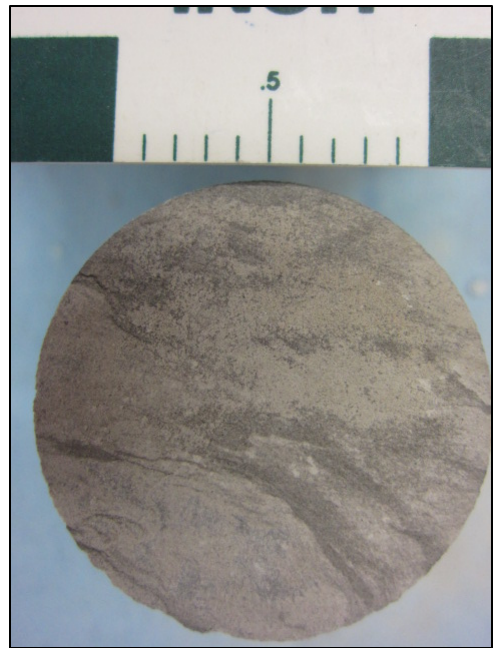
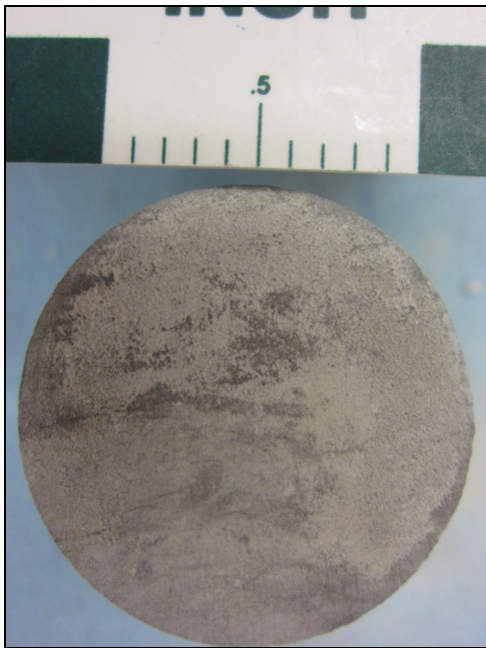
10-7
4026.7'



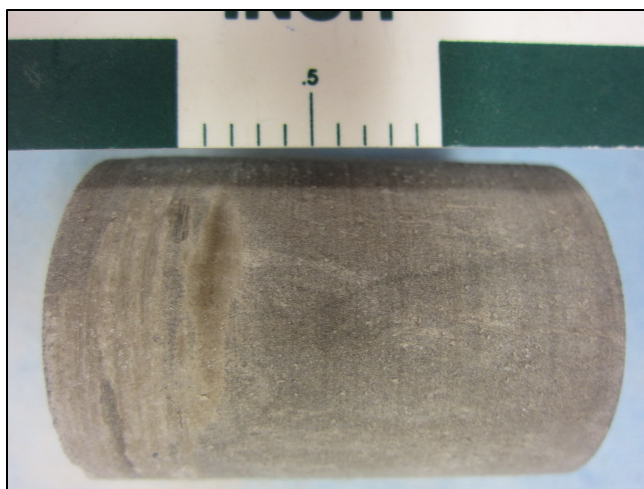
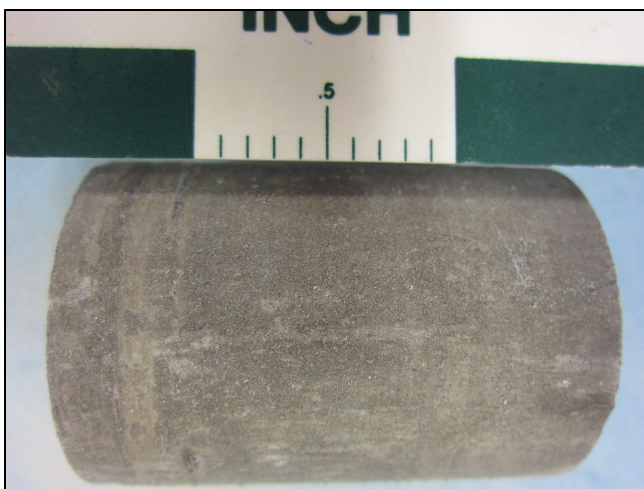
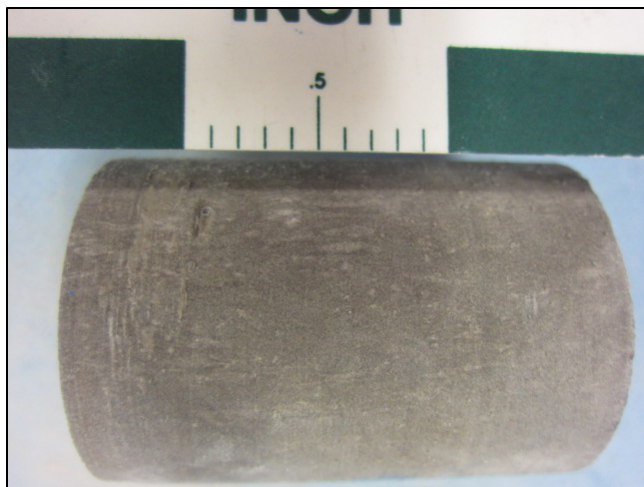
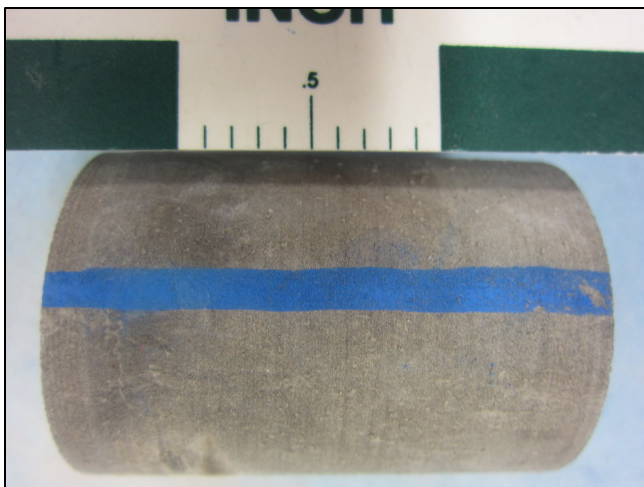
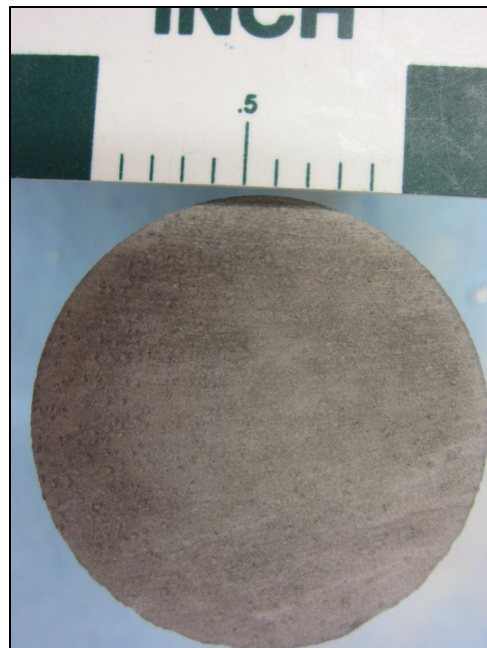
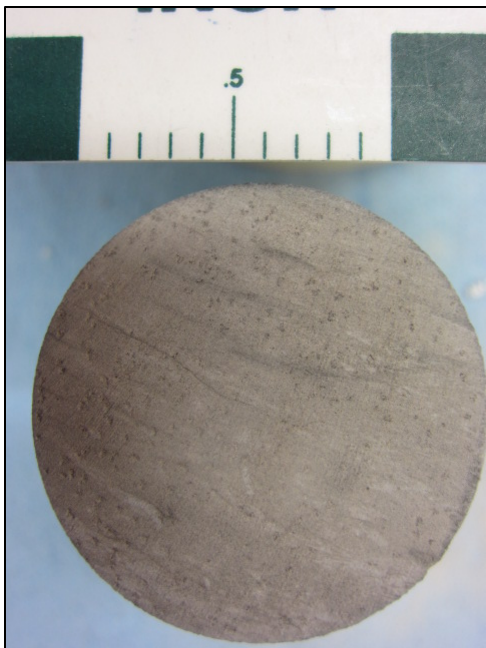
10-10
4029.9'



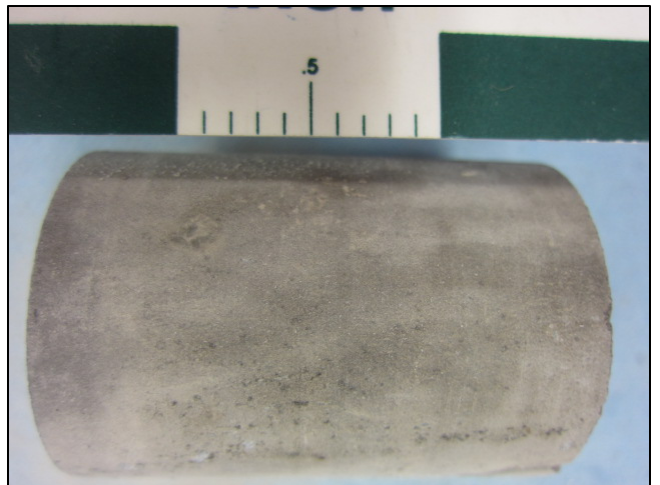
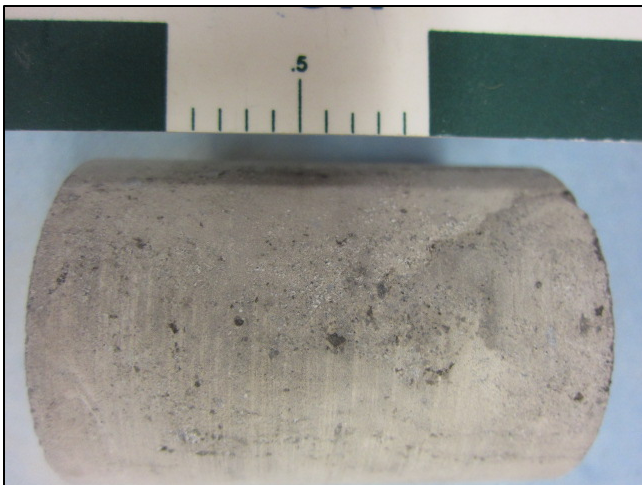
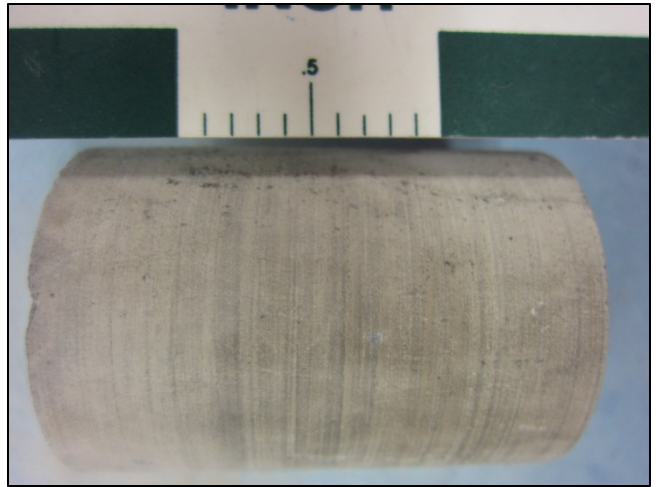
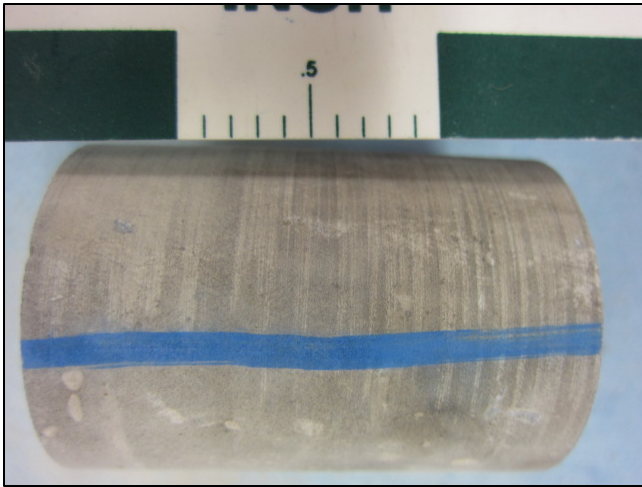
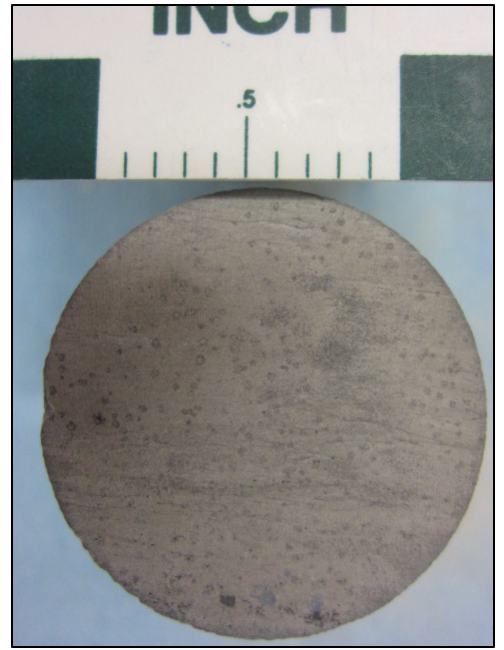
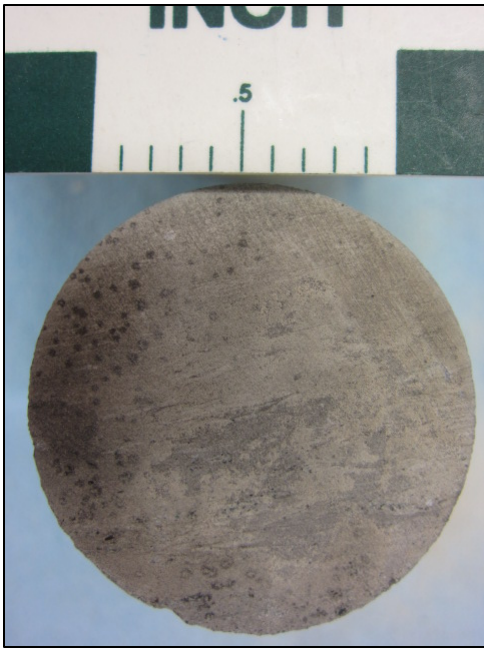
10-16
4035.9'



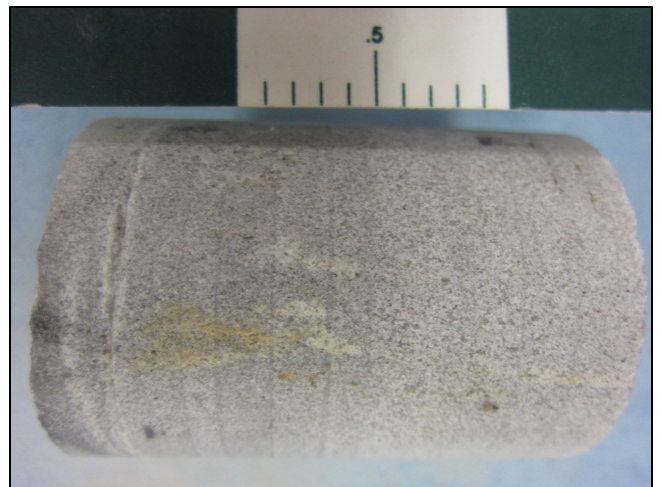
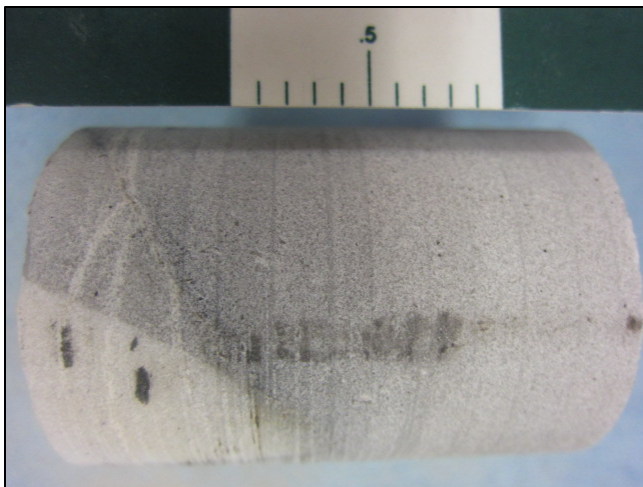
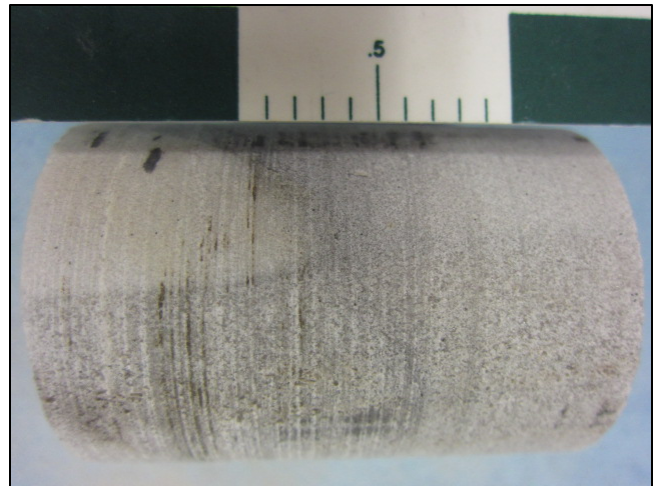
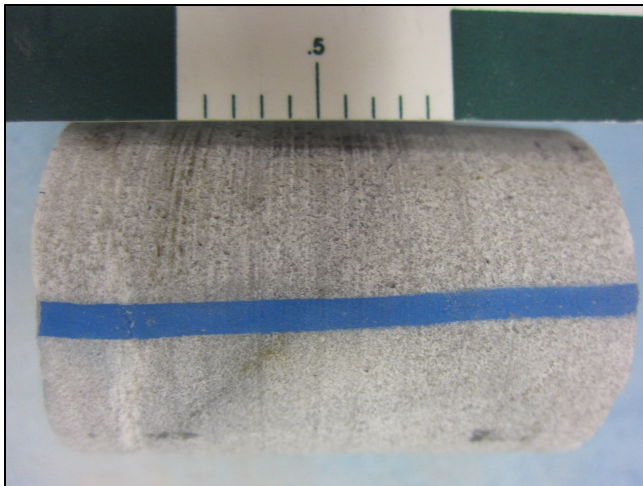
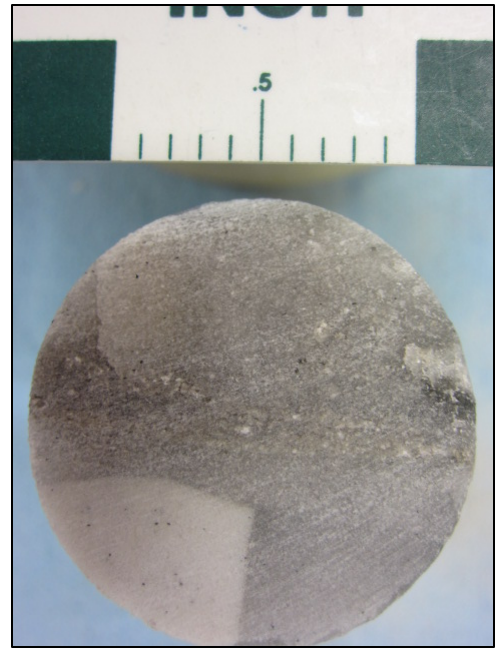
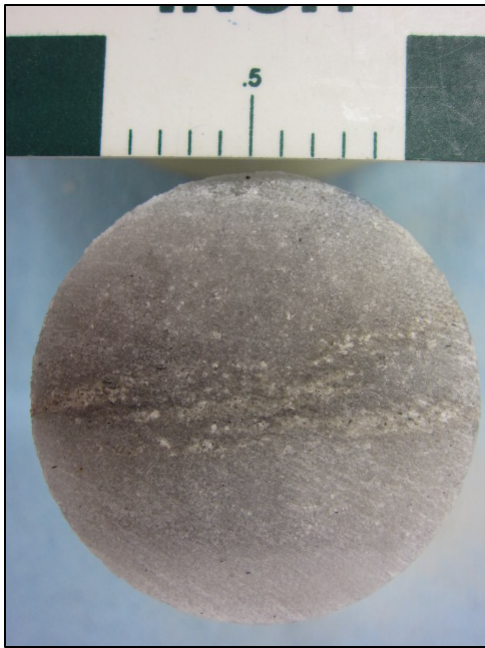
10-33
4052.3'



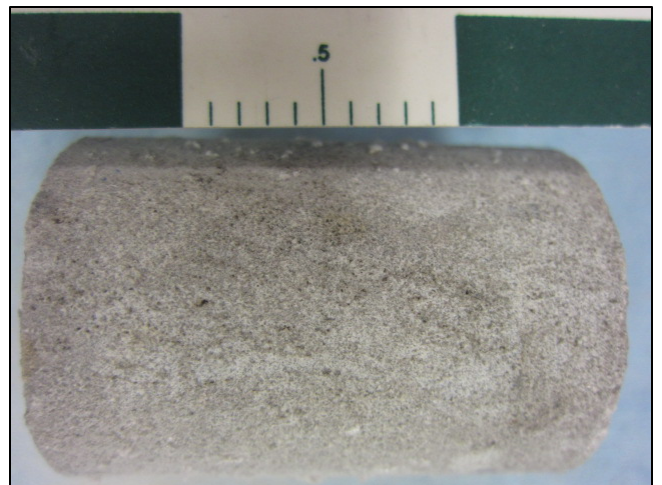
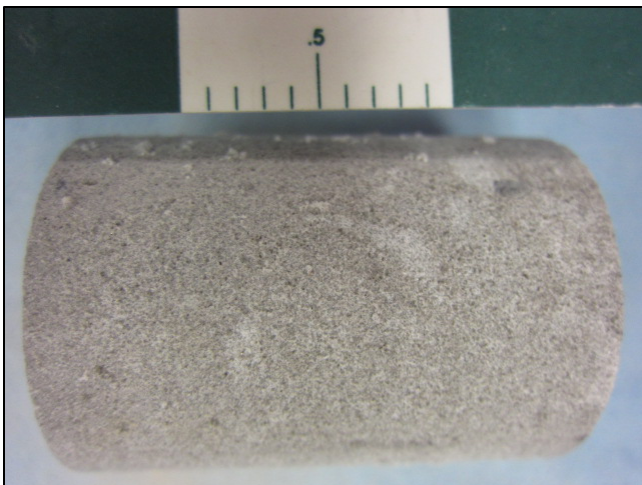
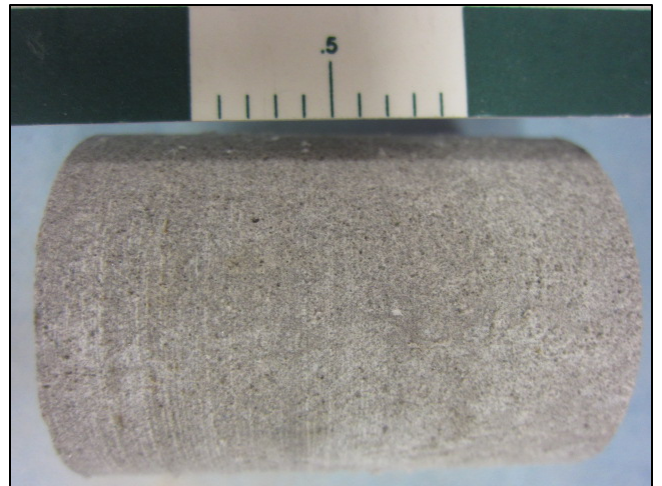
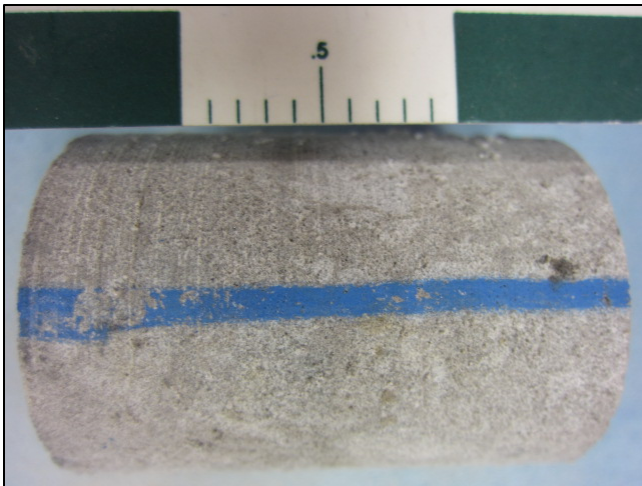
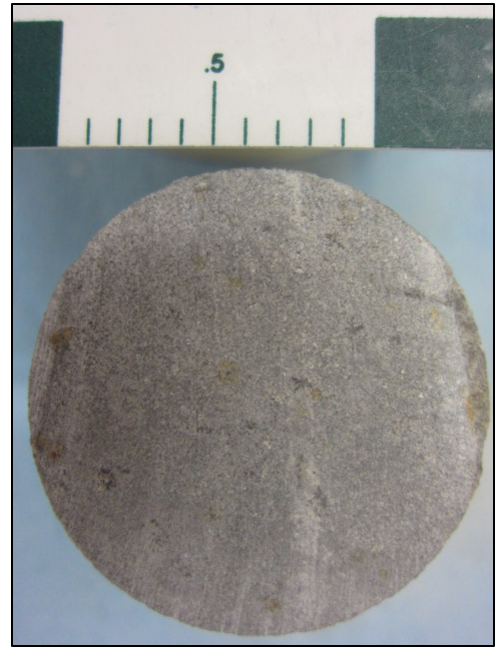
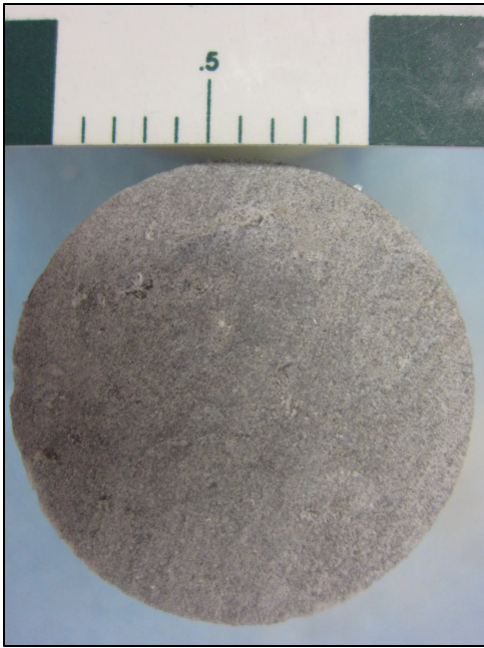
10-46
4065.2'



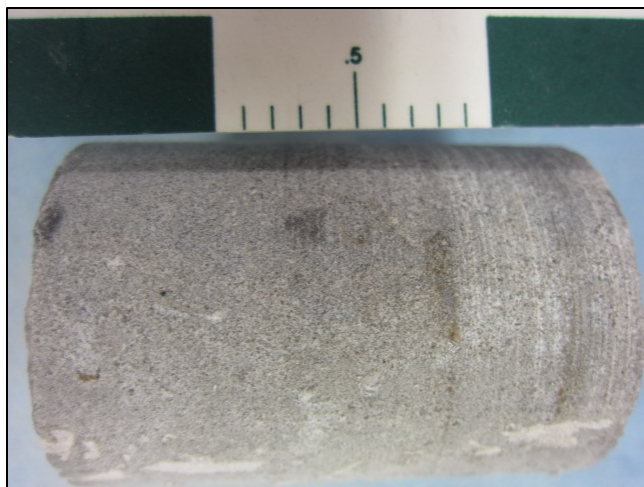
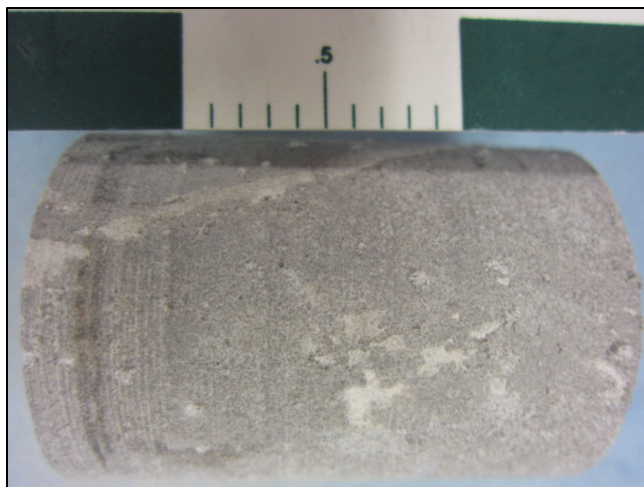
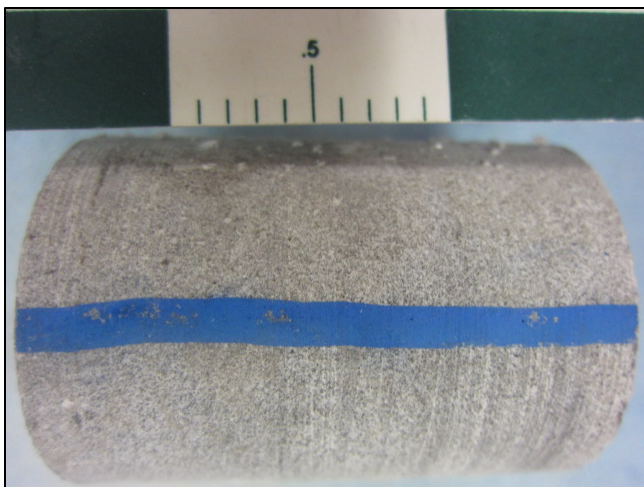
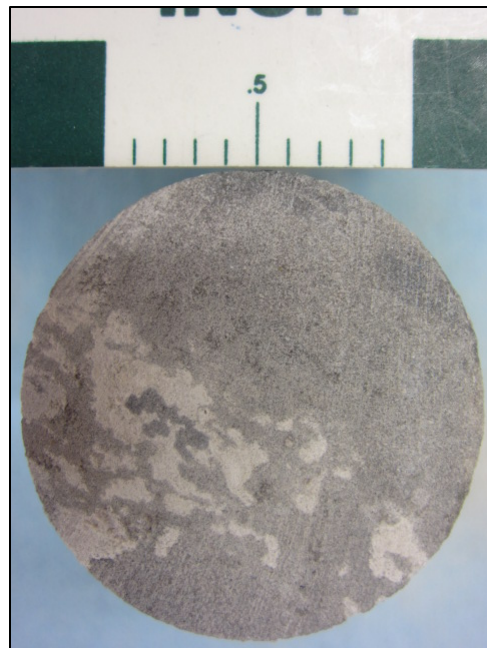
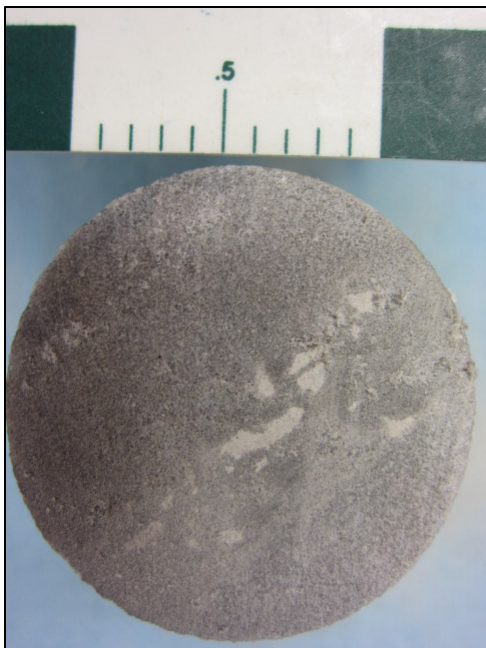
10-47
4066.9'



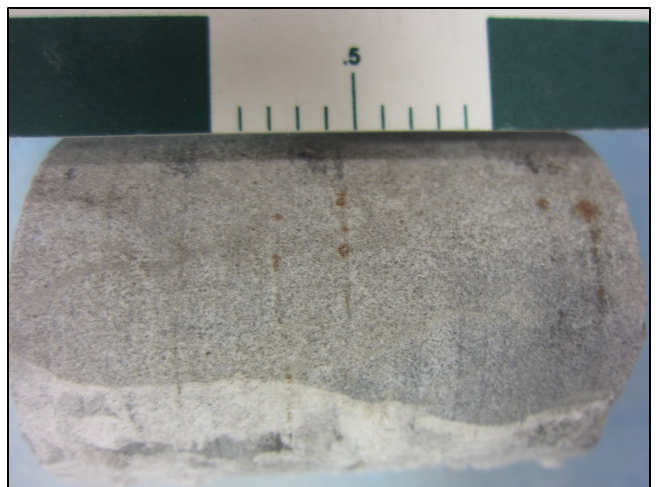
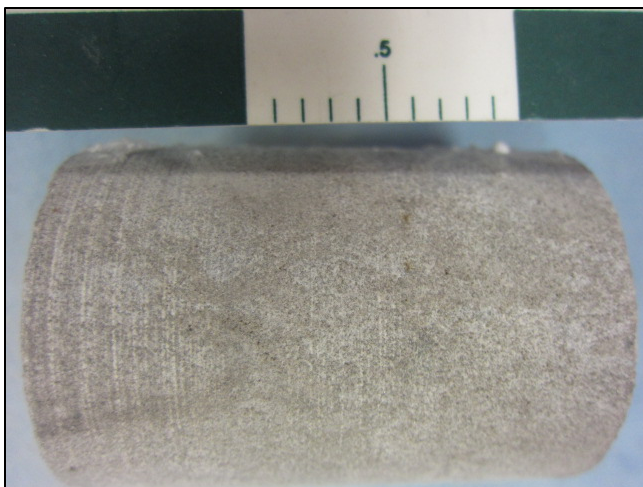
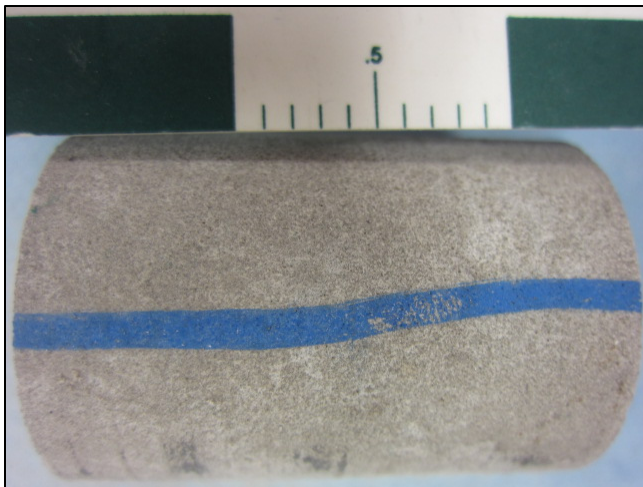
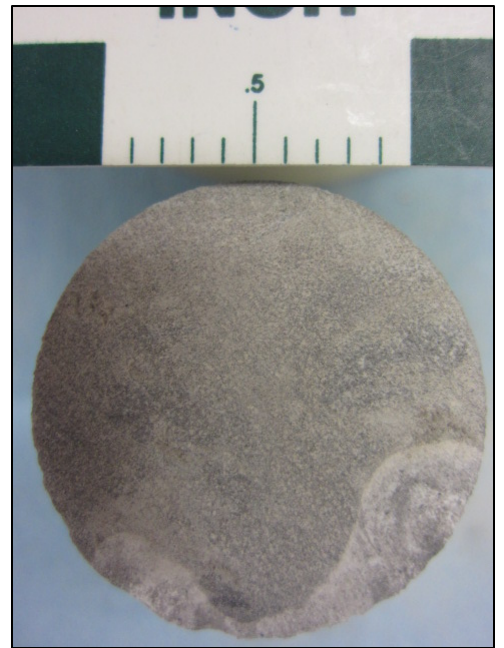
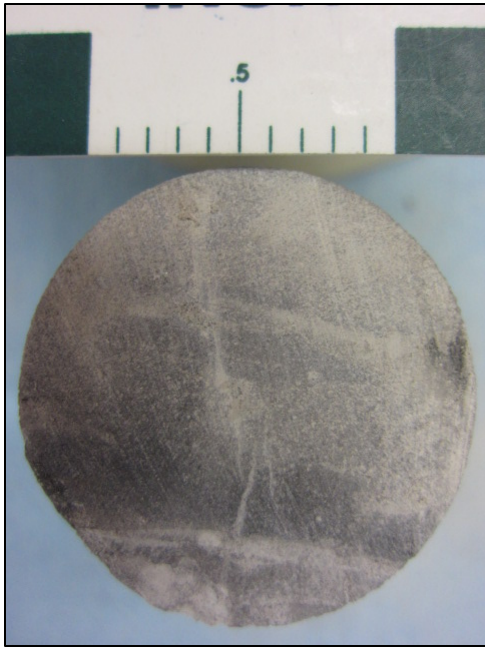
10-53
4072.9'



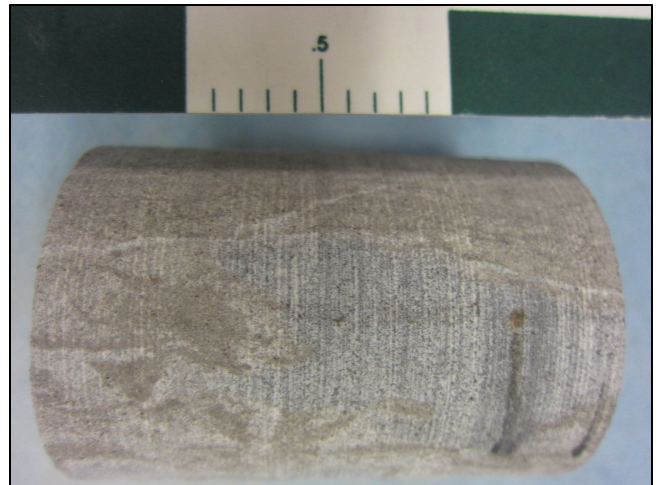
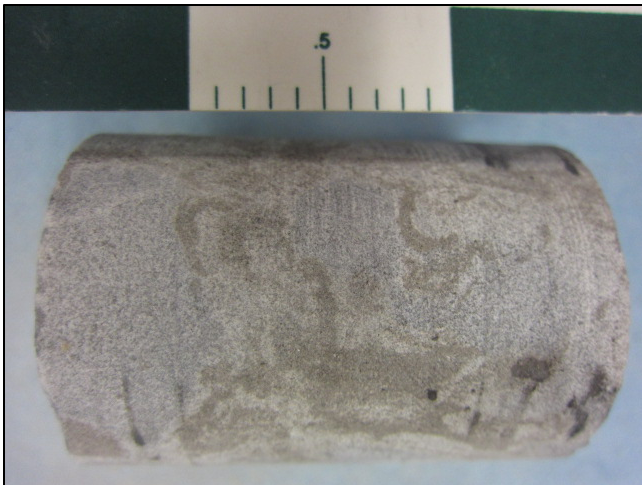
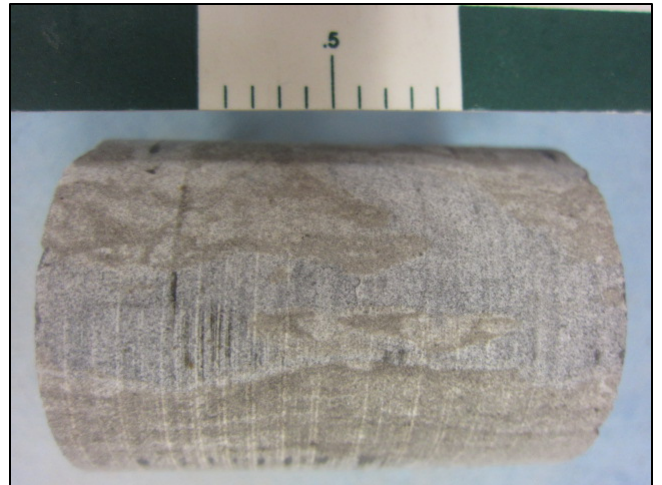
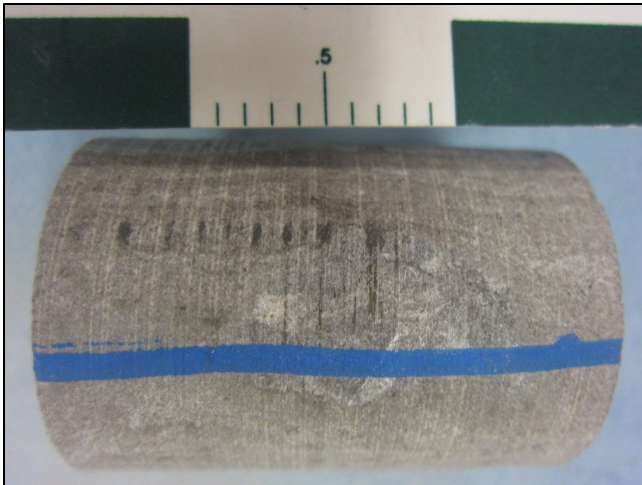
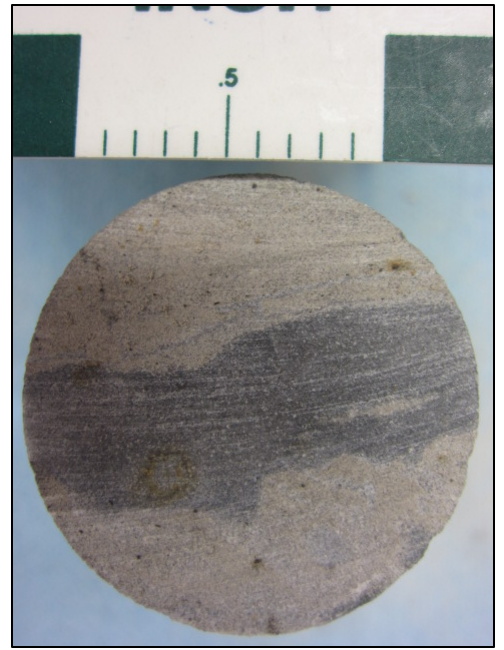
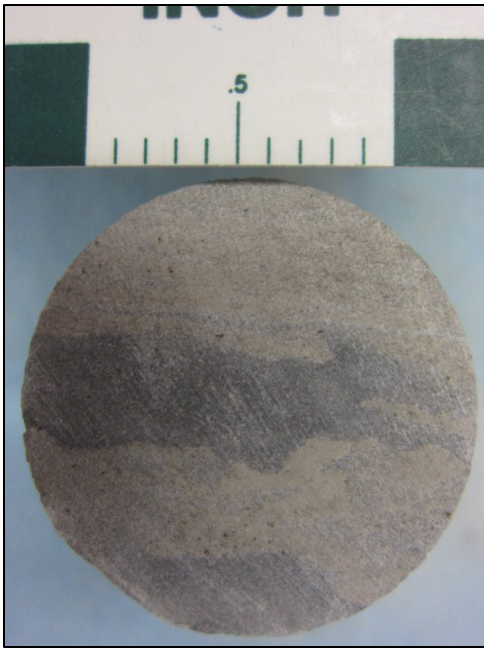
10-58
4077.2'

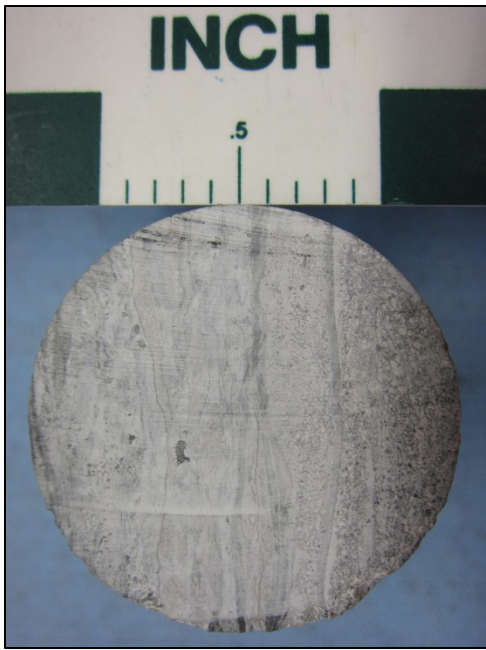


11-5
4083.6'

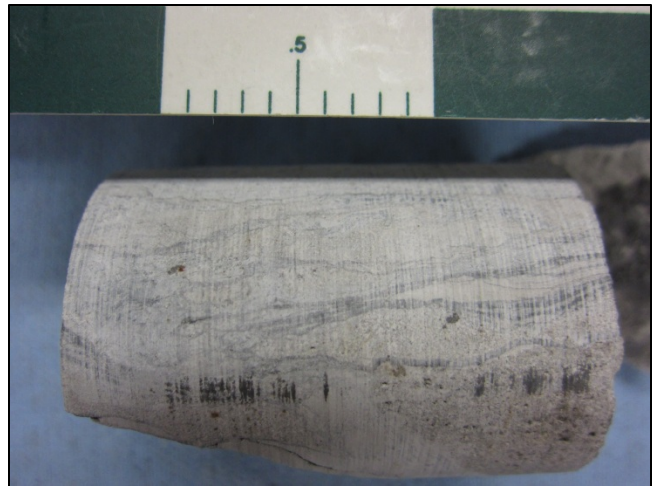
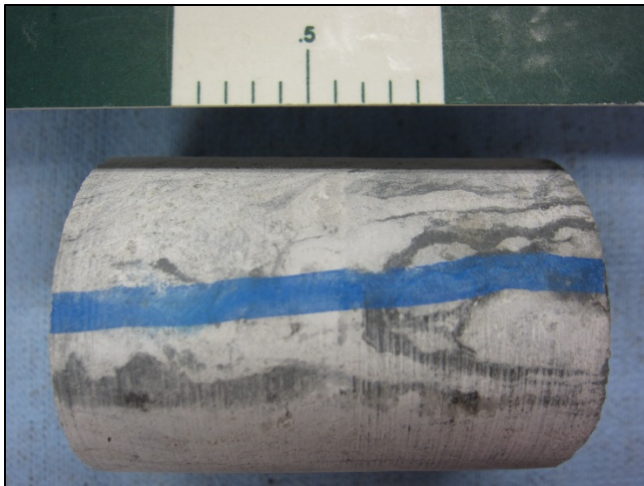
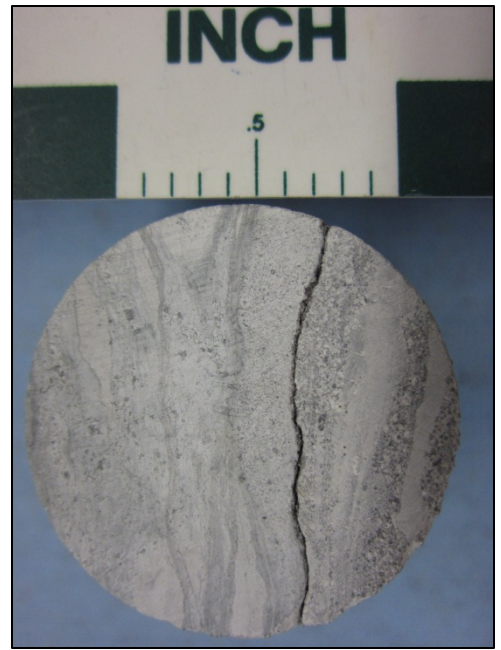


11-16
4094.1'



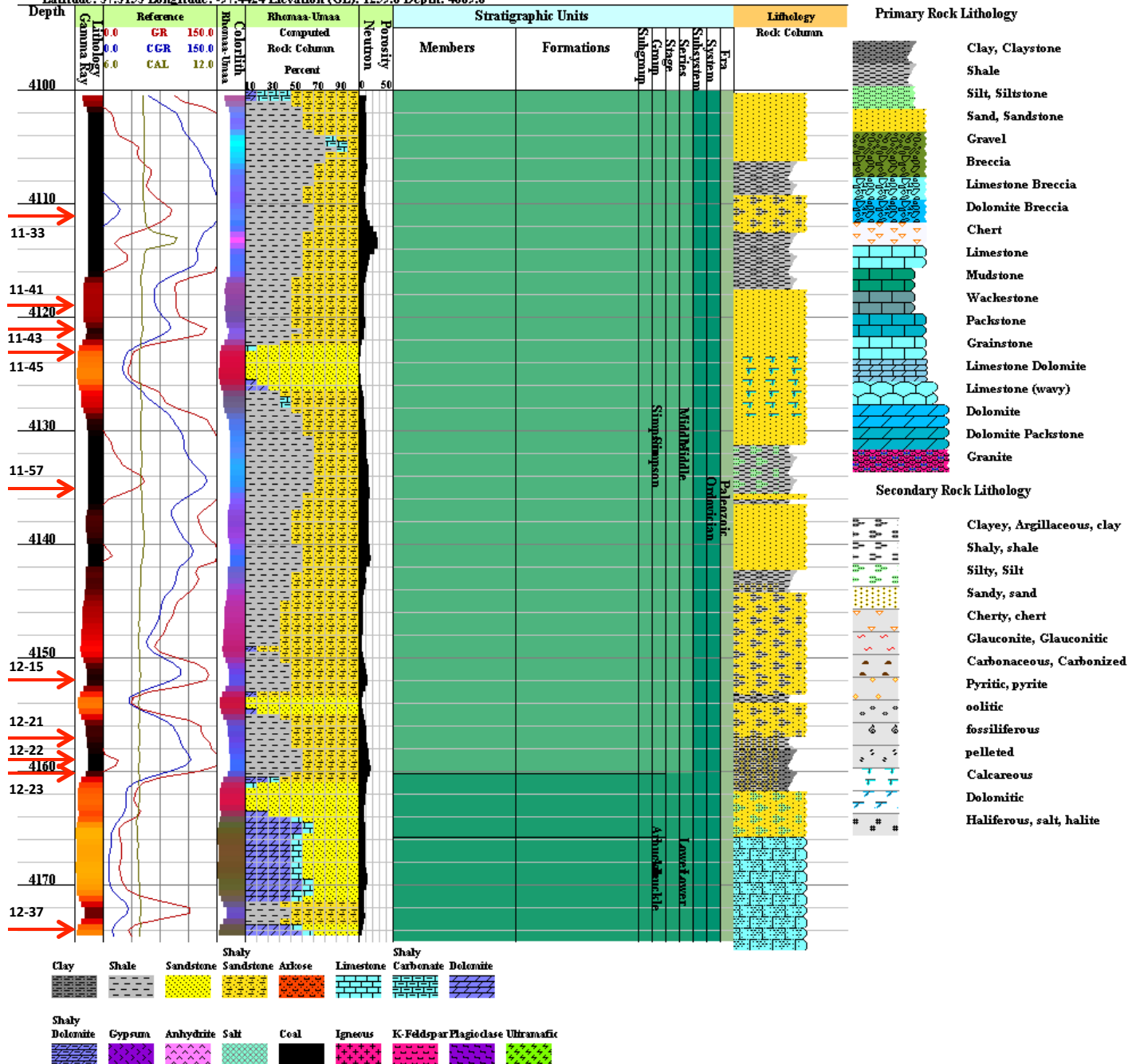


11-19
4097.3'



Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32

Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



4097

4100

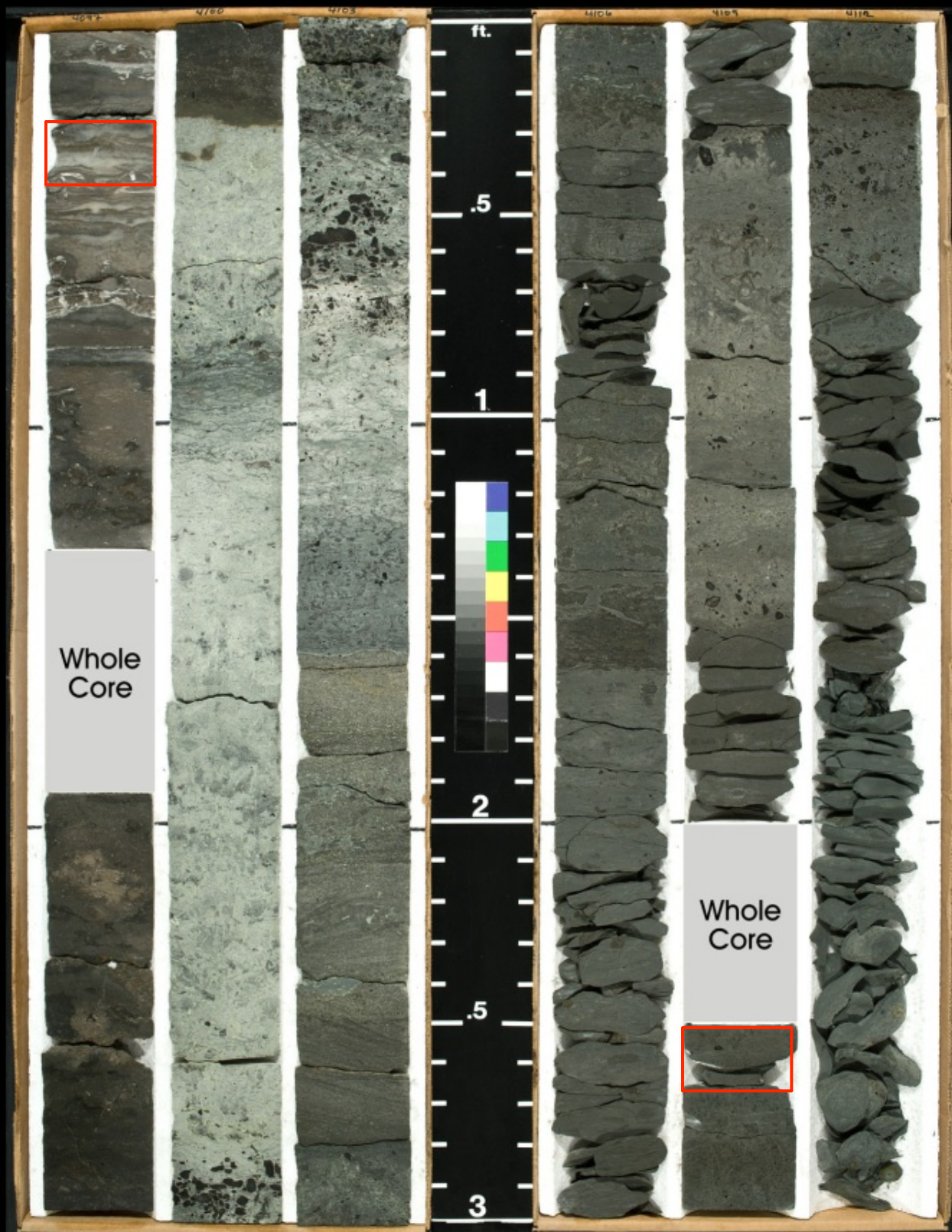
4103

CORE 11

4106

4109

4112



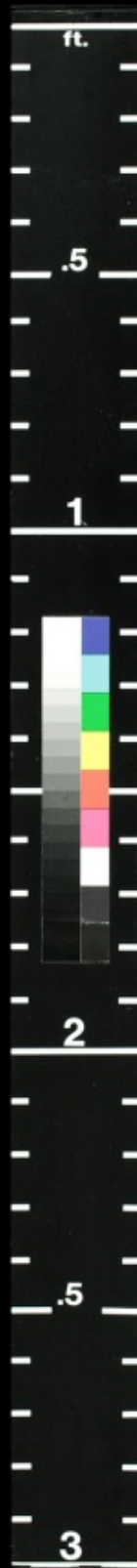
4130



4133

4136

CORE 11



4138

4141

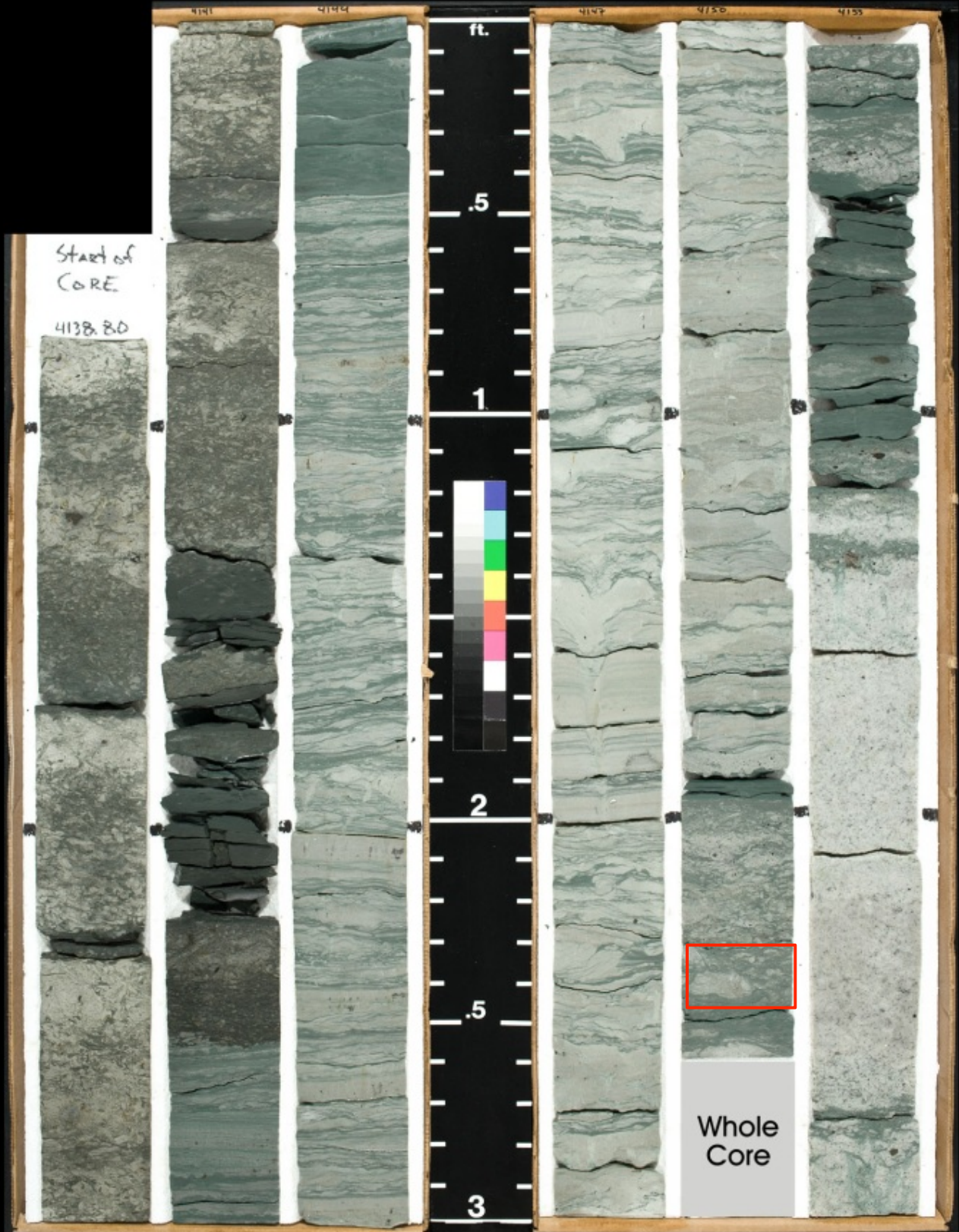
4144

CORE 12

4147

4150

4153

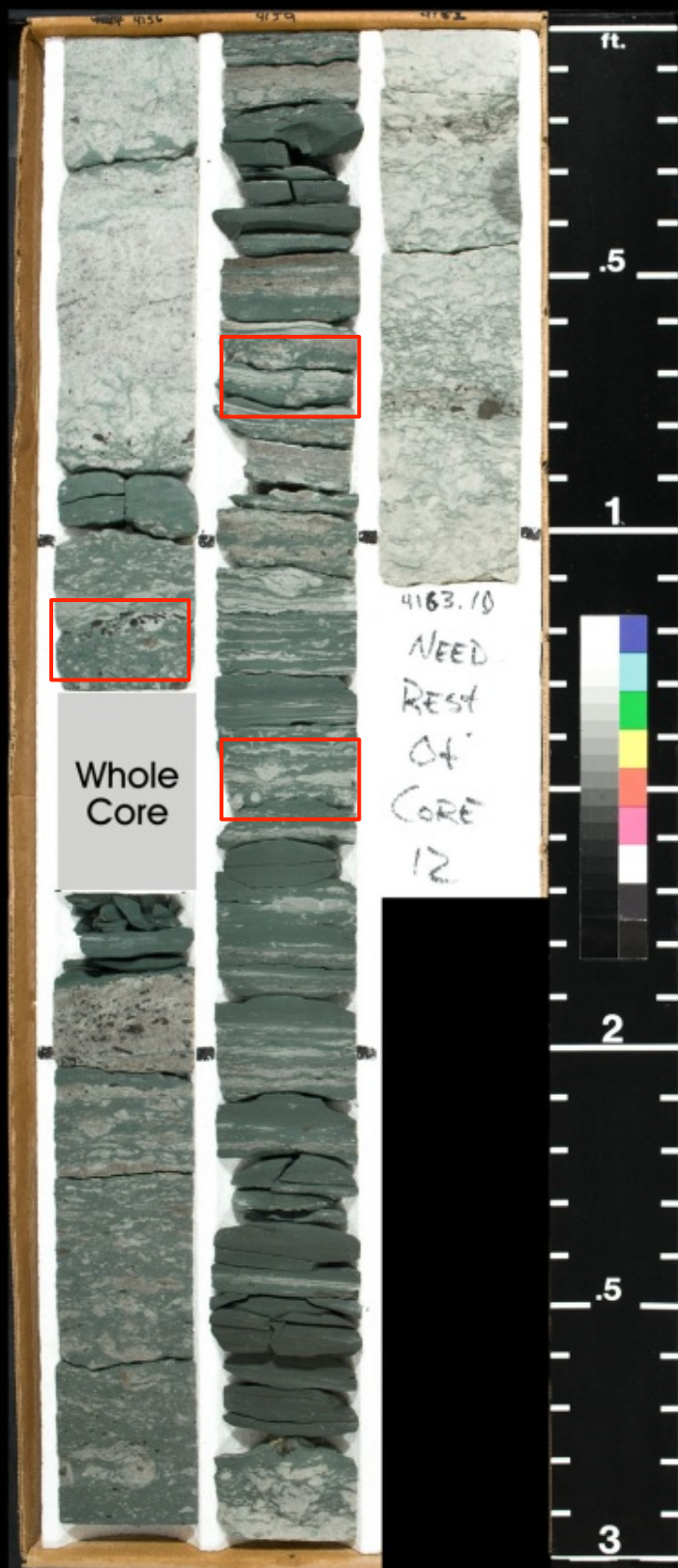


4156

4159

4162

CORE 12



4163

4166

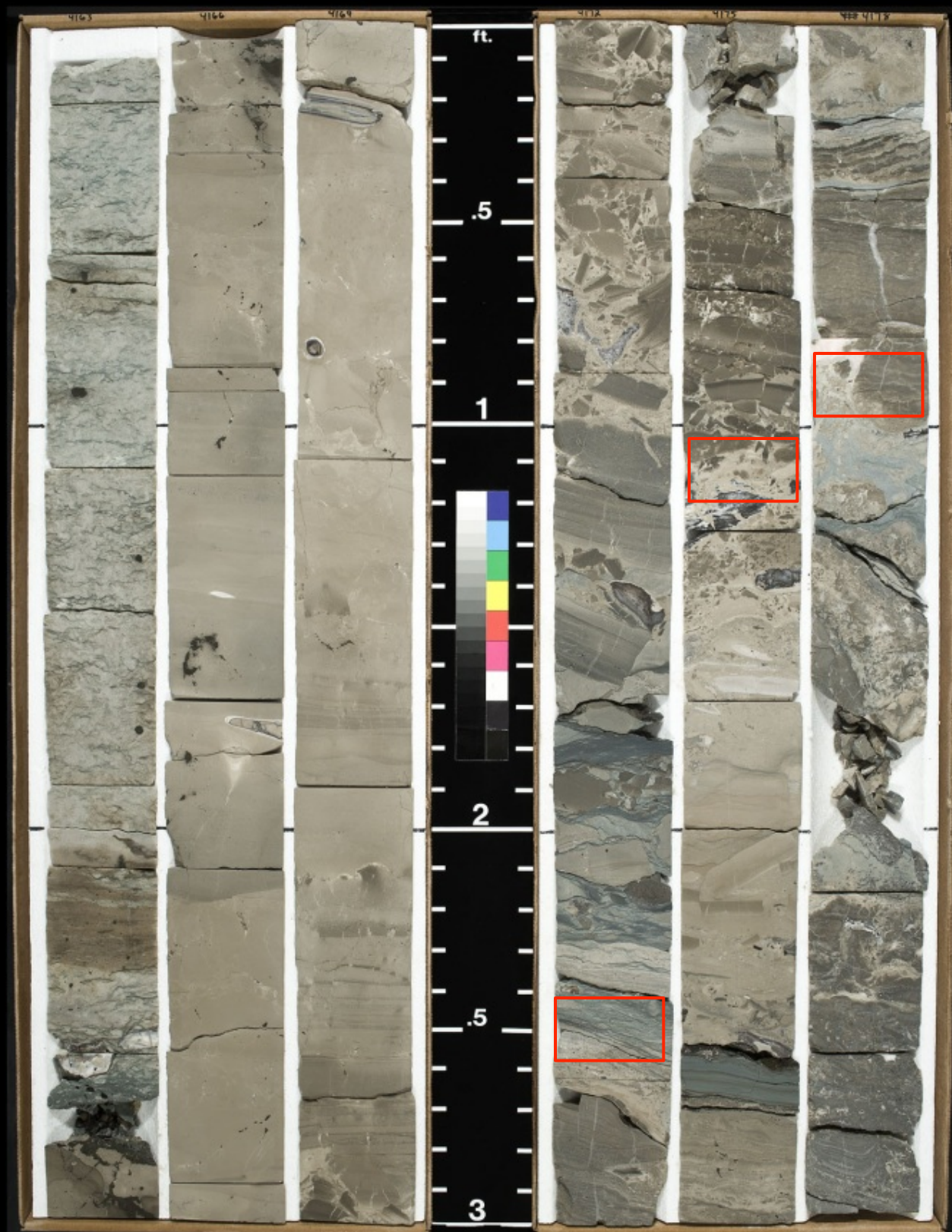
4169

CORE 12

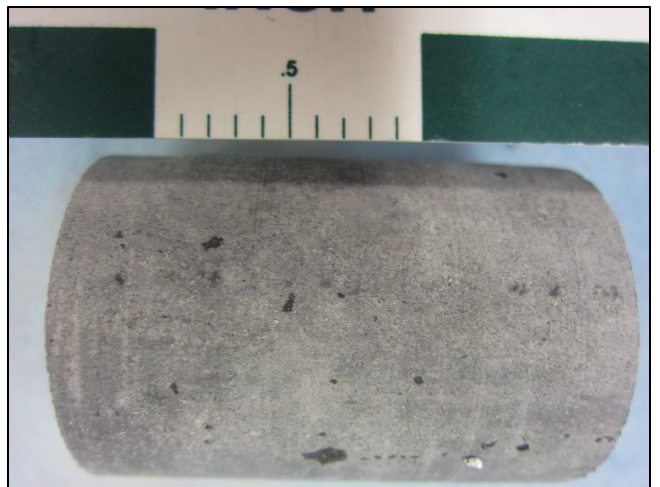
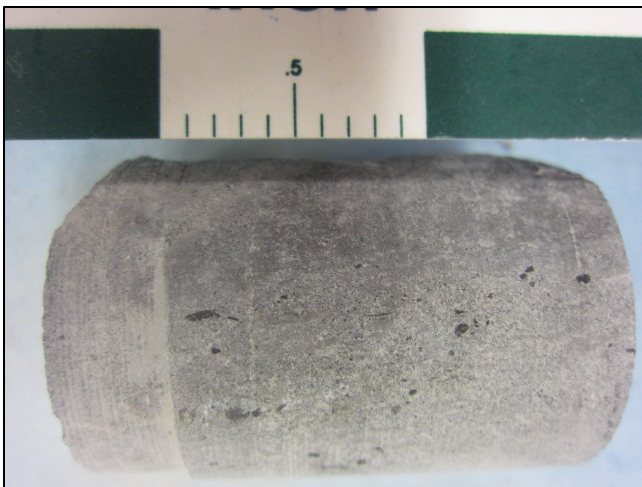
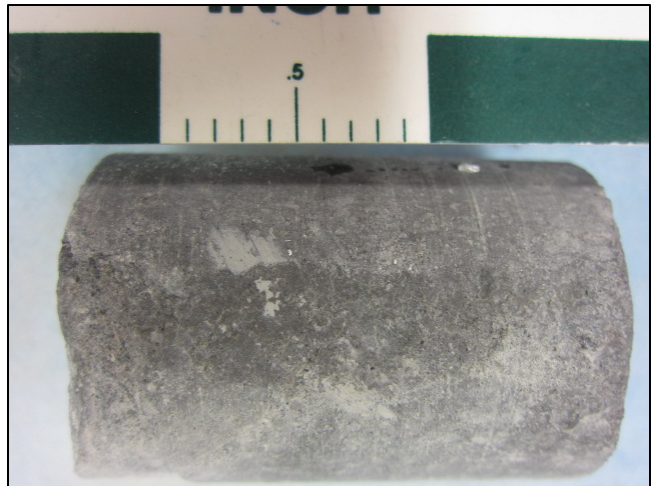
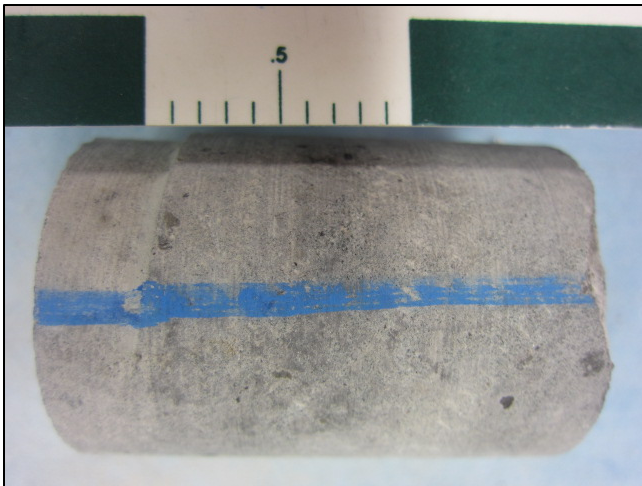
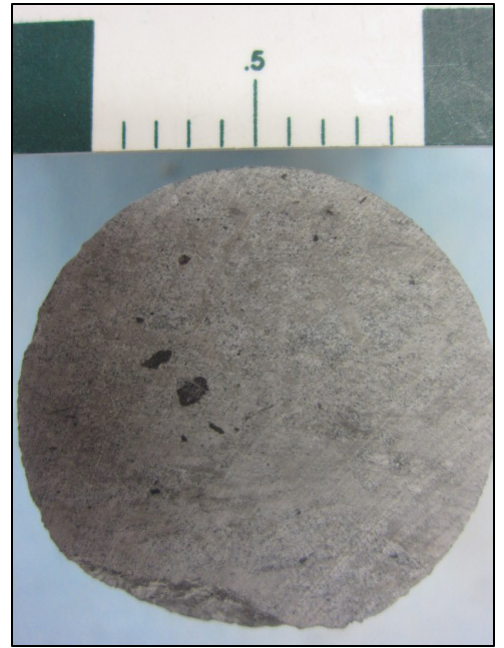
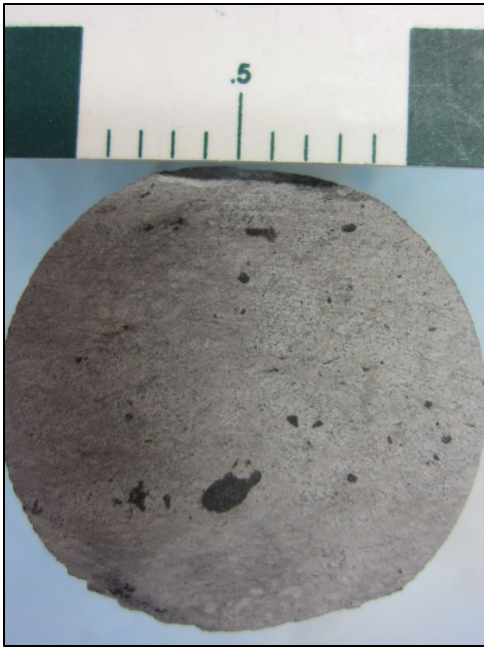
4172

4175

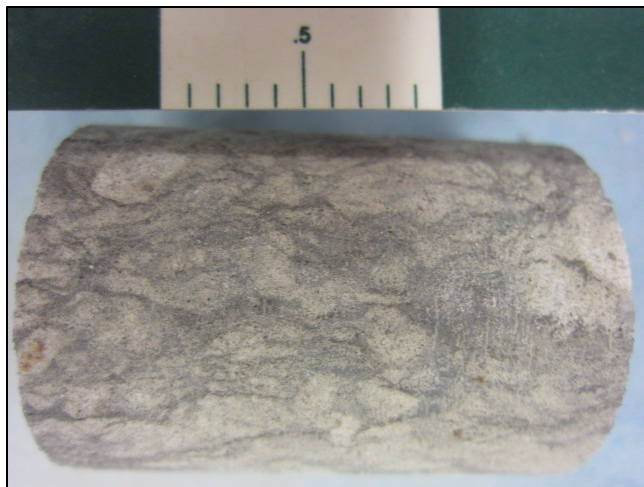
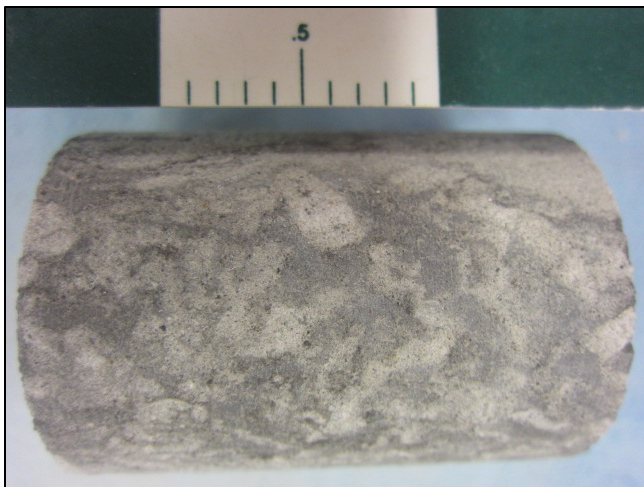
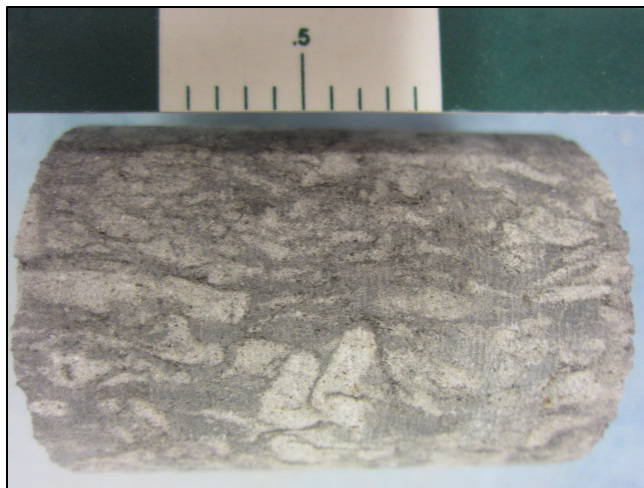
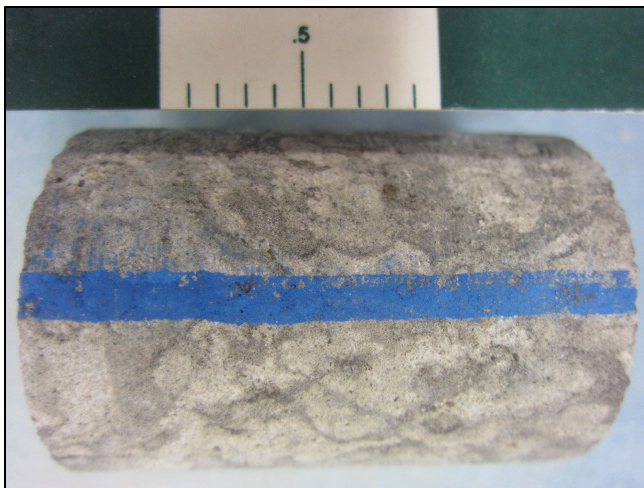
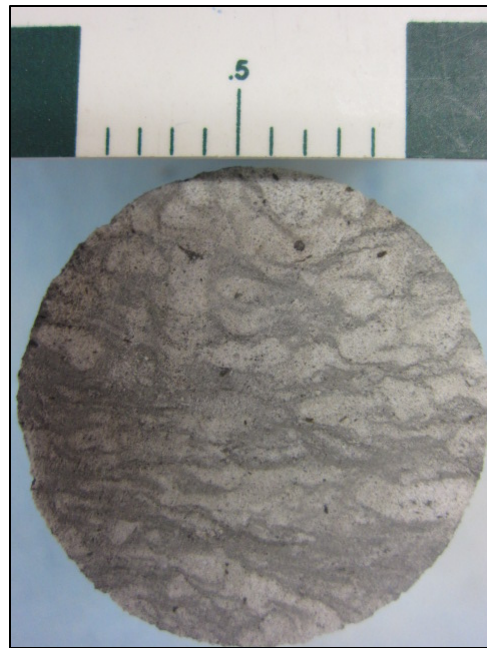
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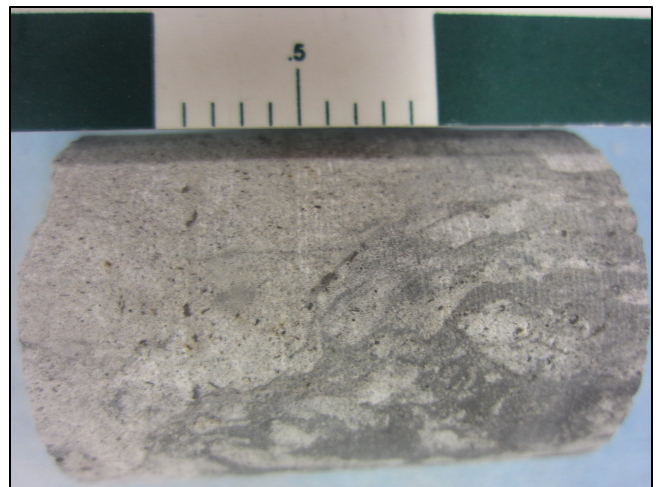
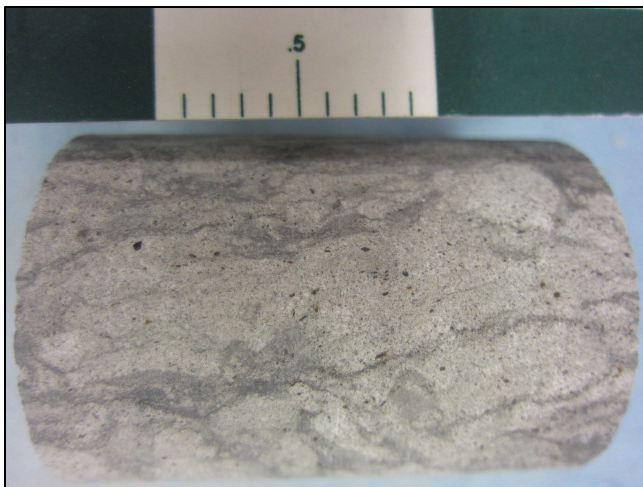
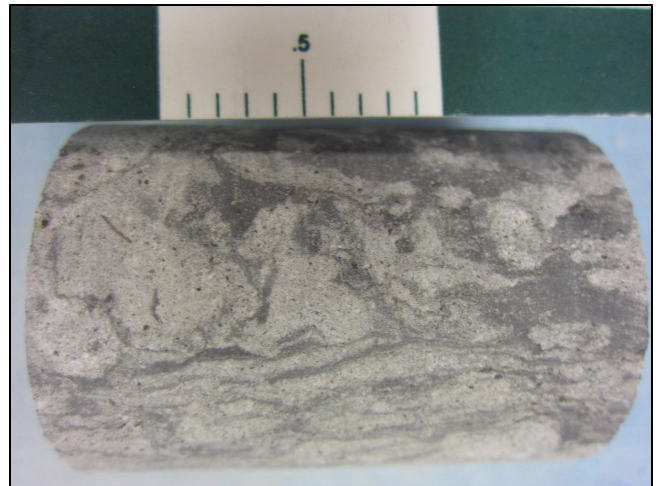
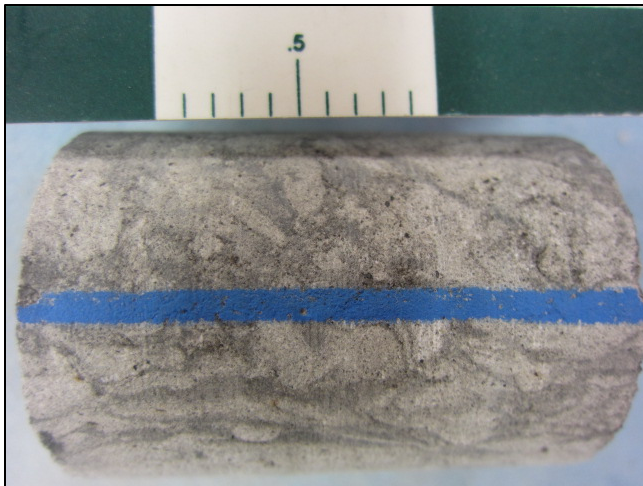
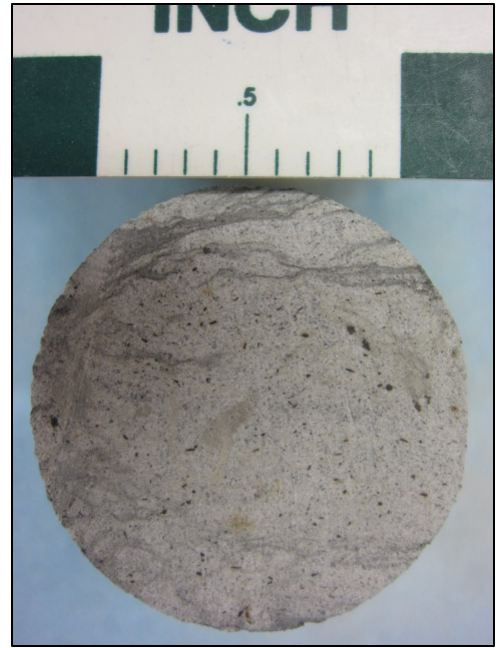
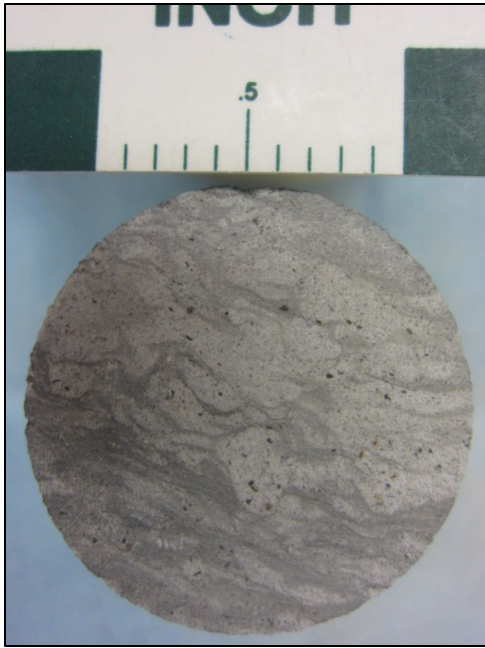
11-33
4111.6'



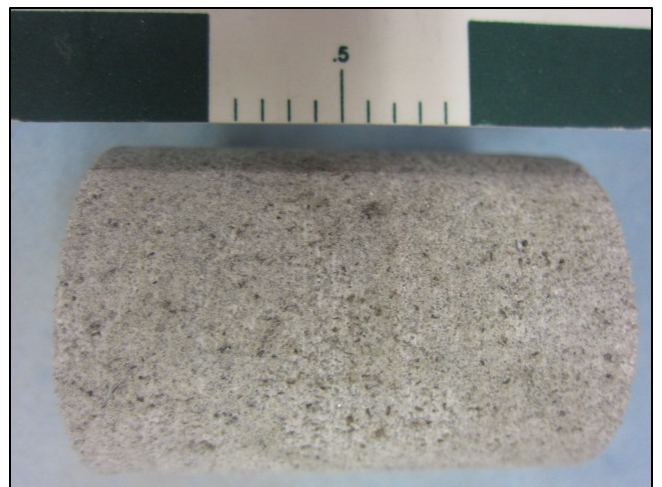
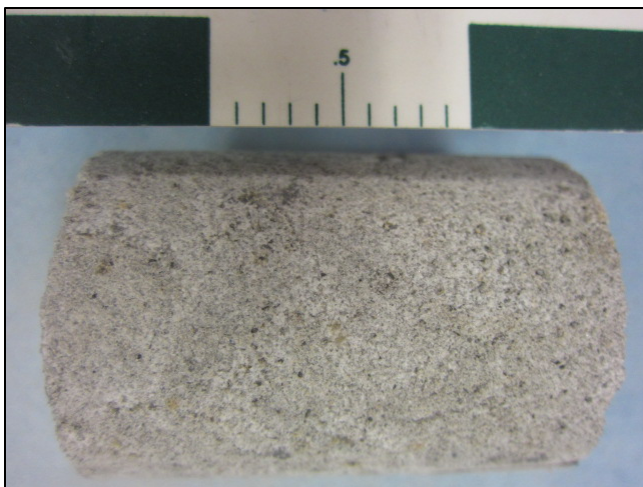
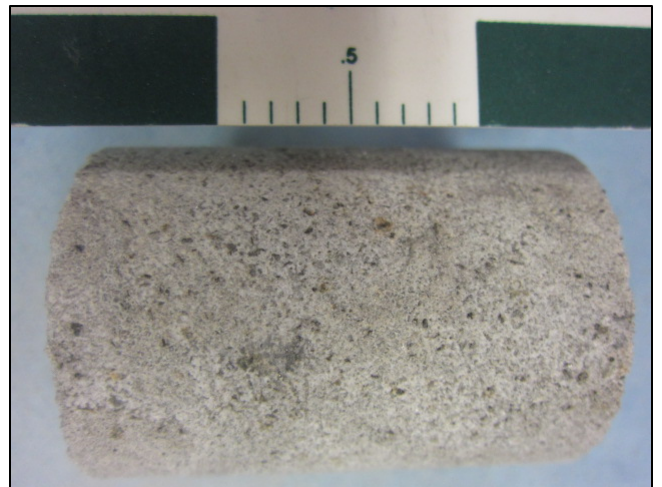
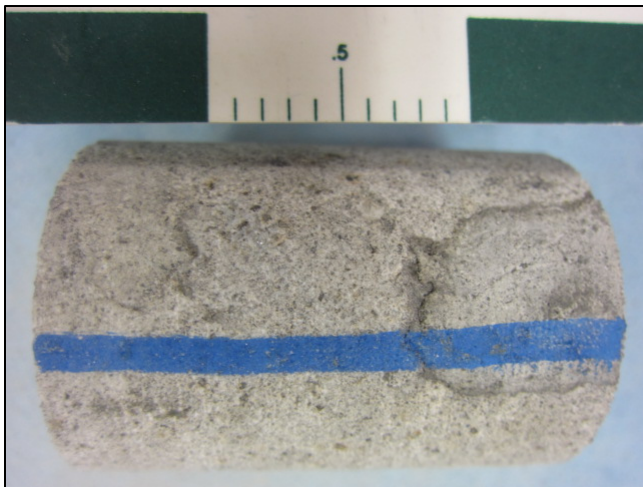
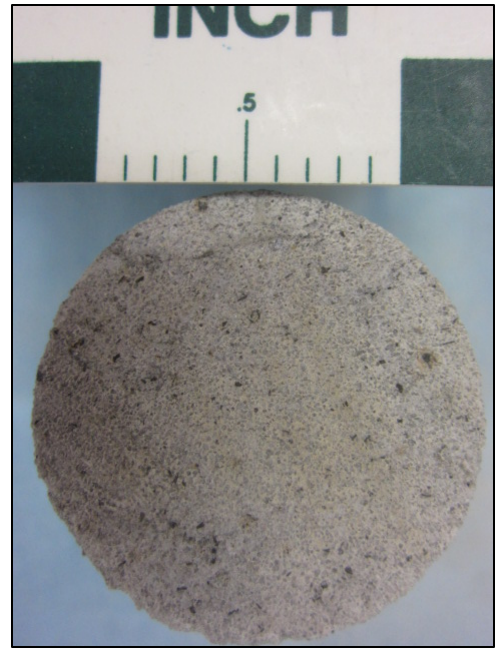
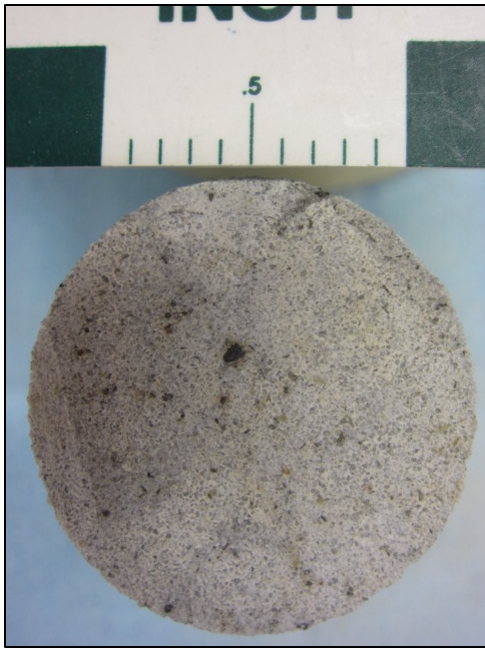
11-41
4119.6'



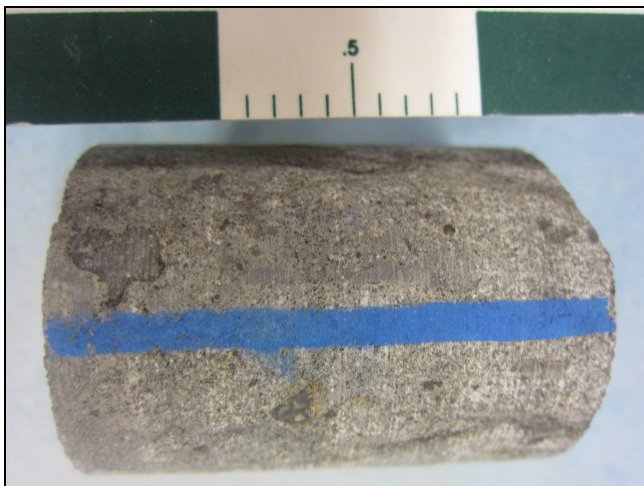
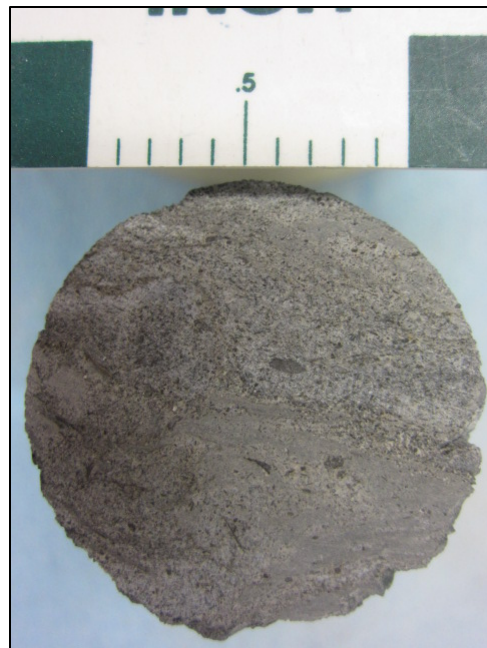
11-43
4121.1'



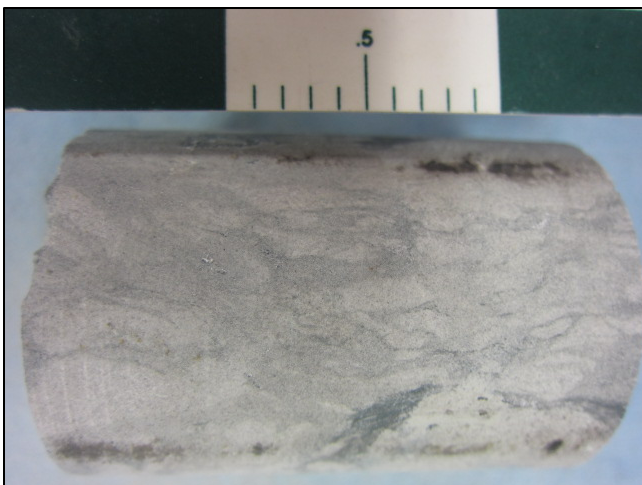
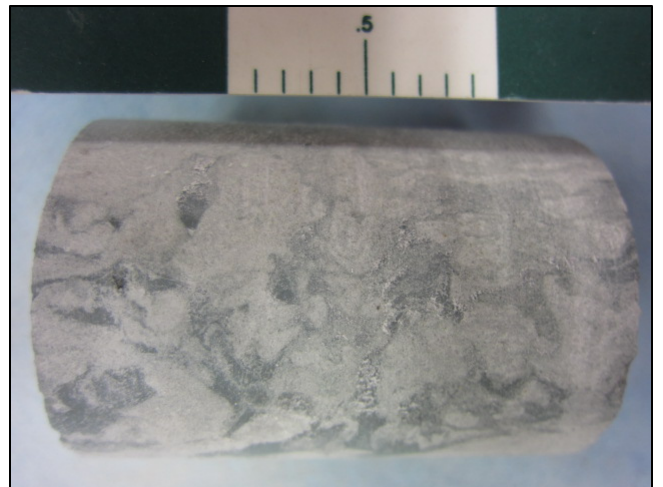
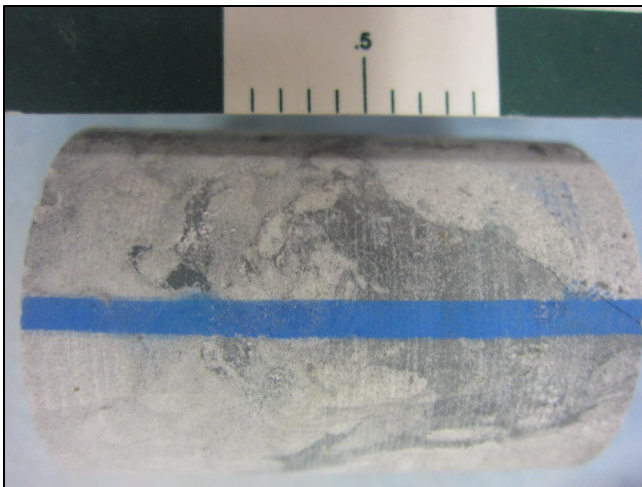
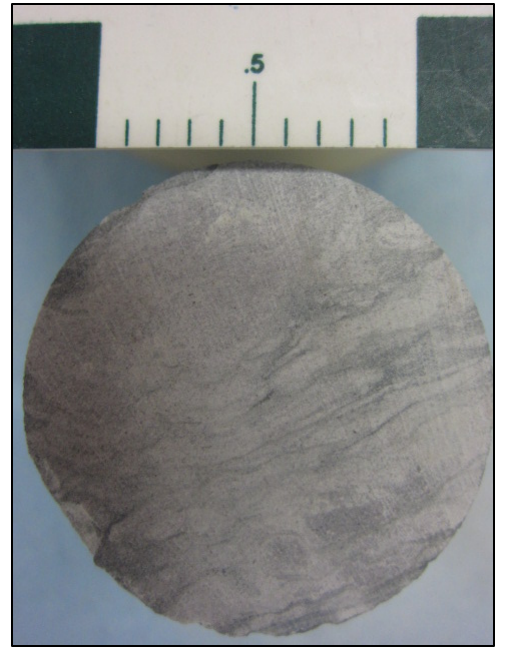
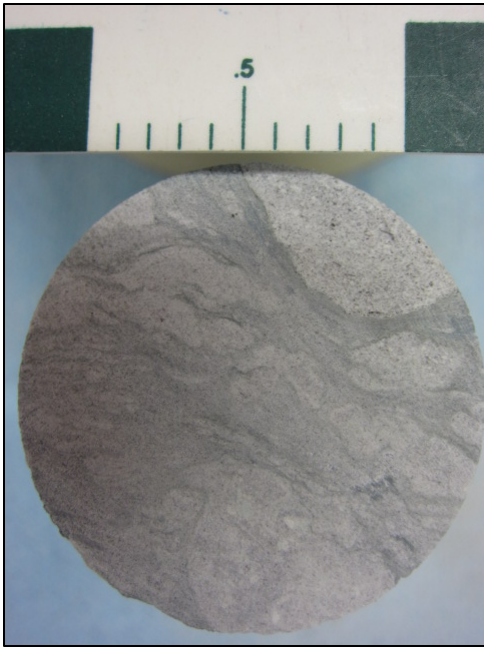
11-45
4123.5'



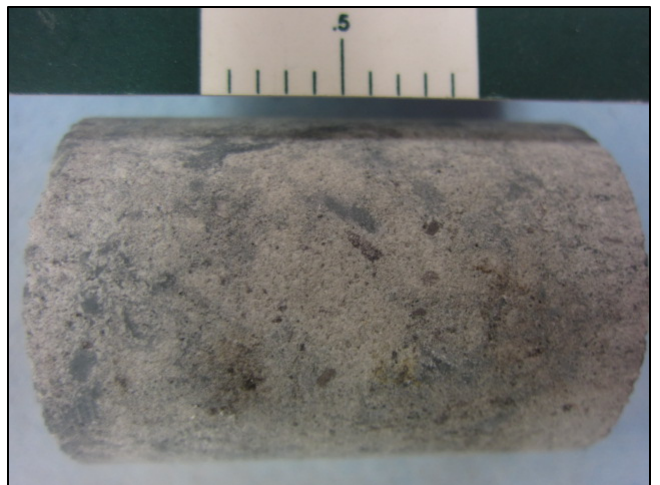
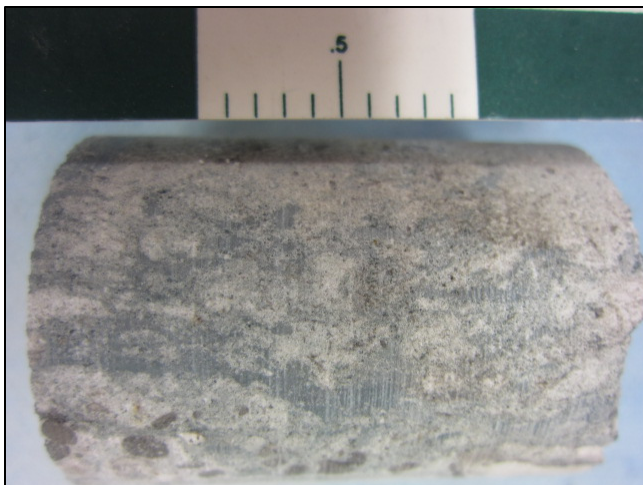
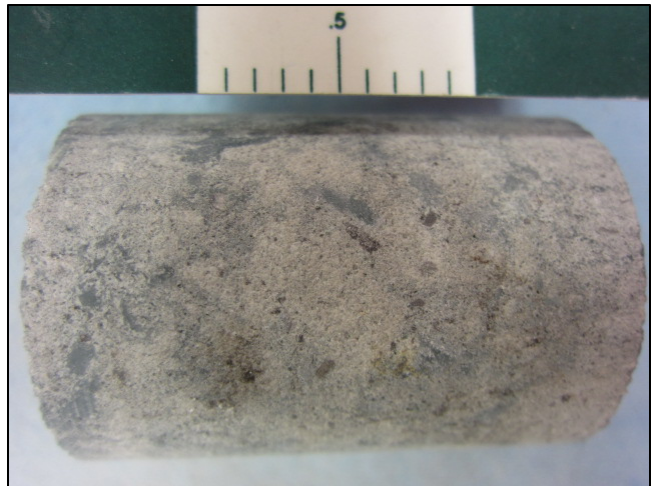
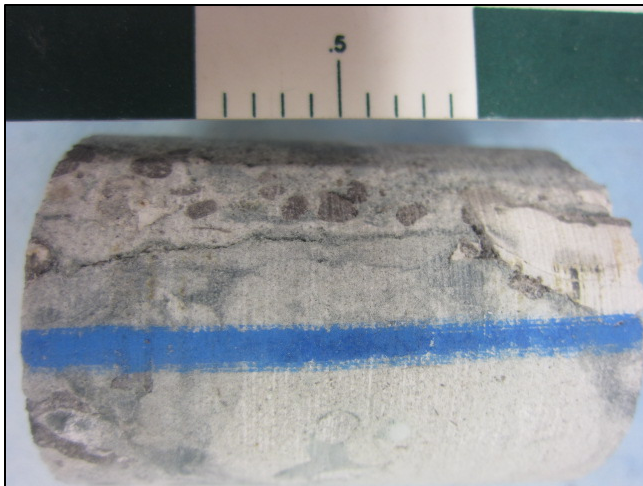
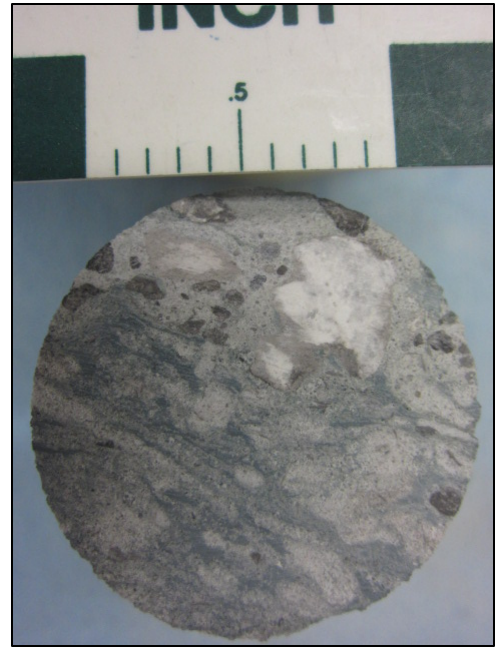
11-57
4135.9'

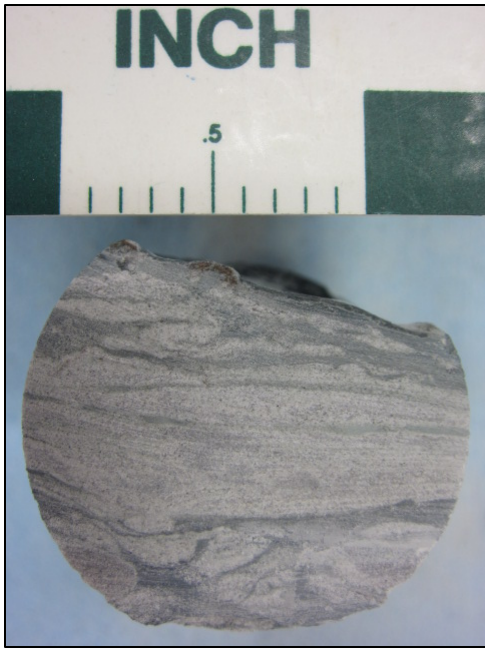


12-15
4152.4'

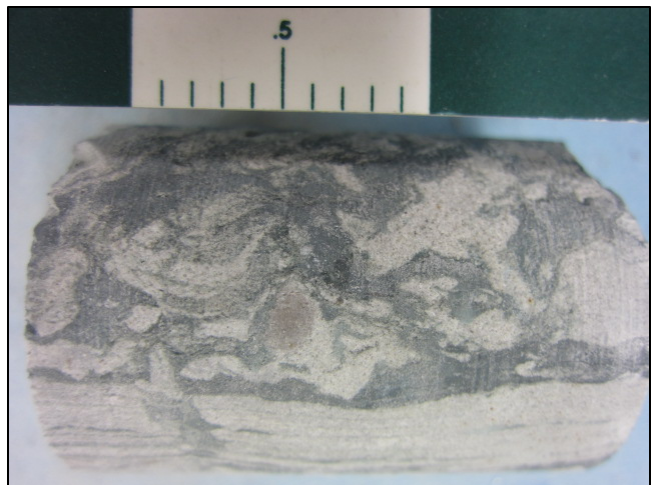
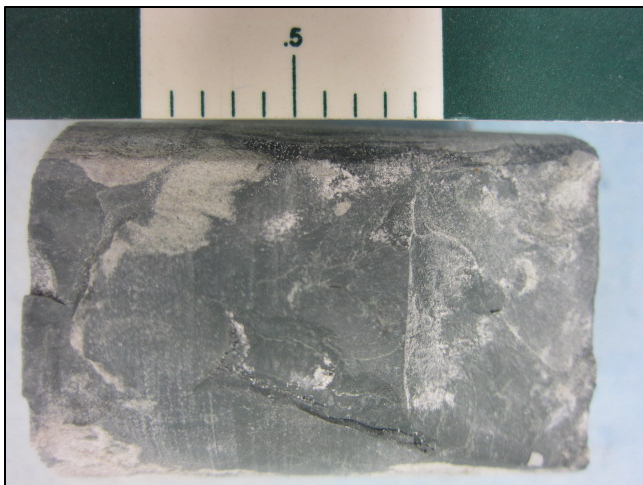
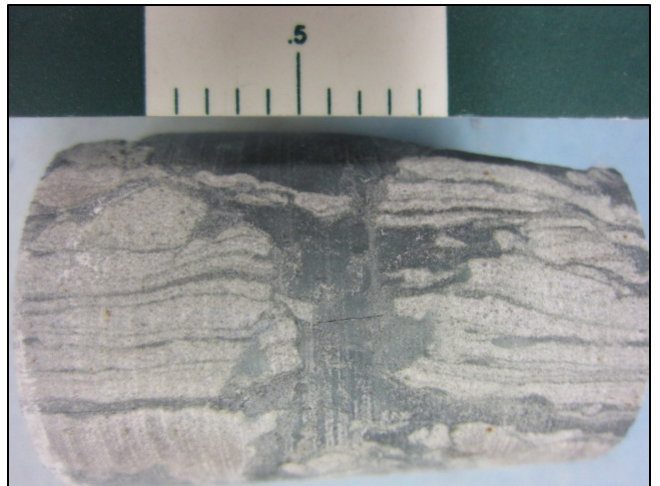
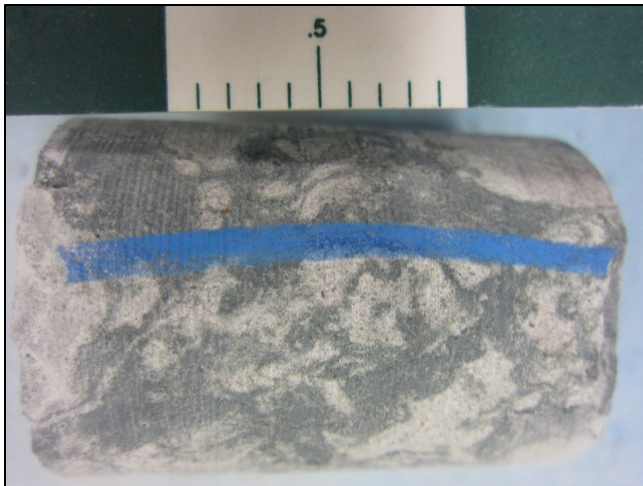
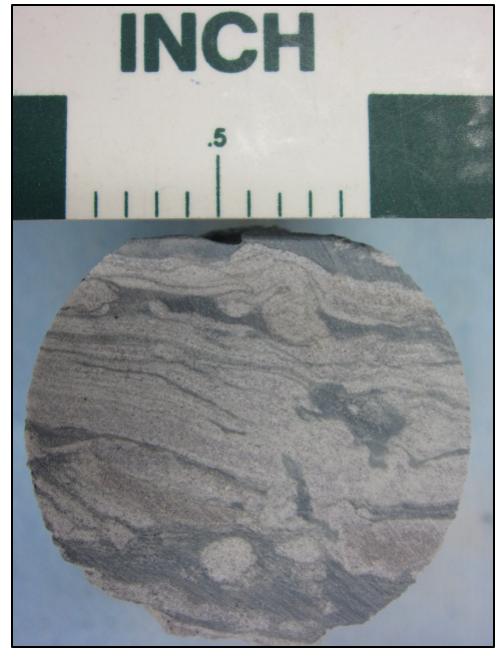


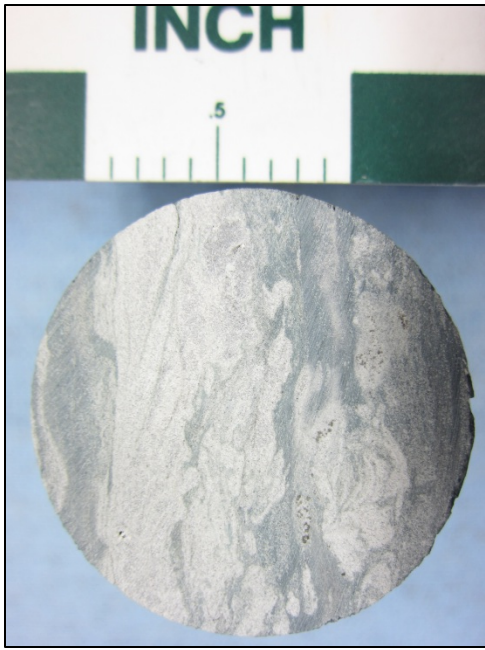
12-20
4157.2'



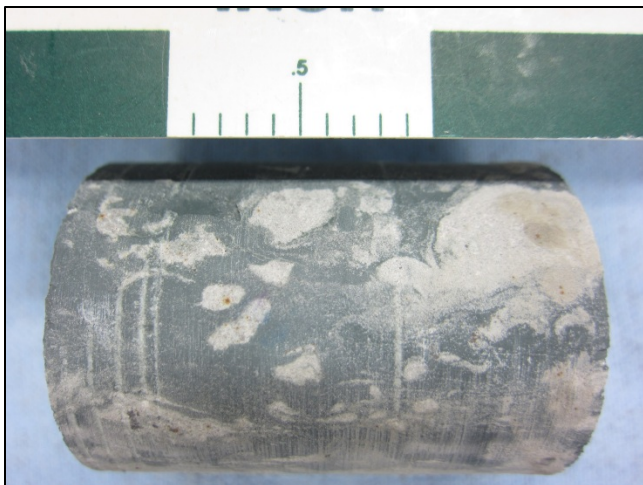
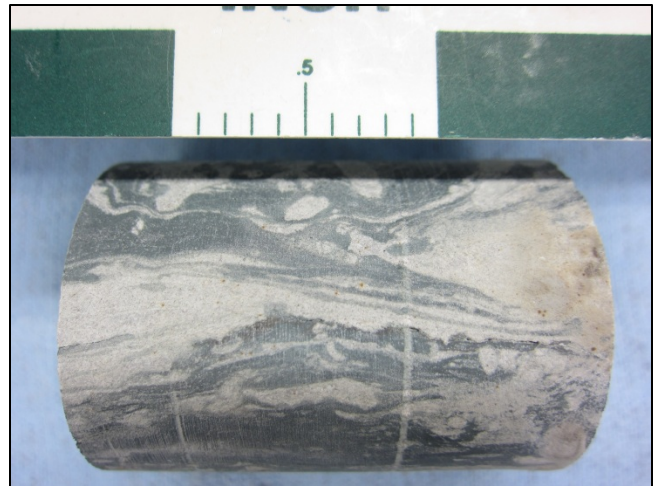
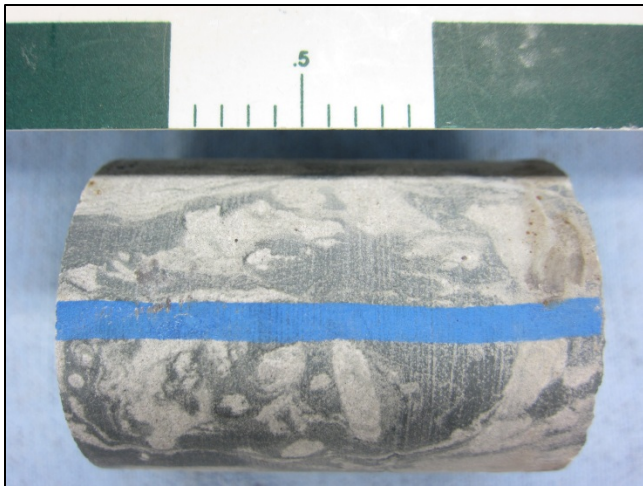
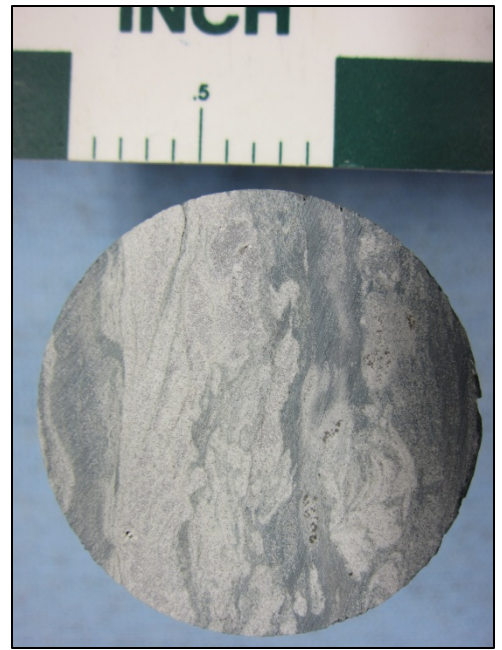


12-22
4159.7'

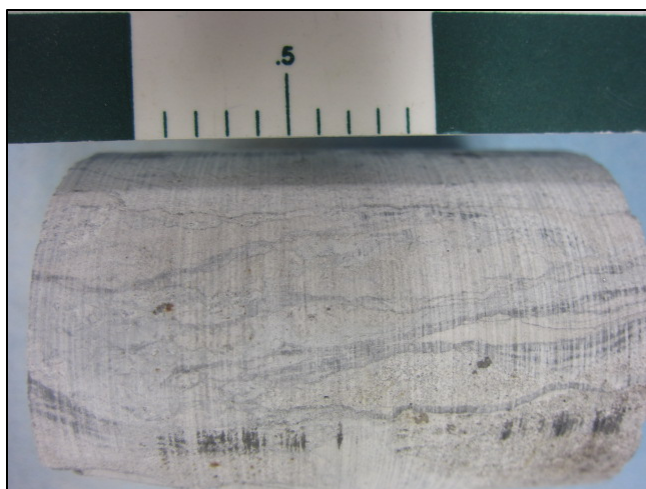
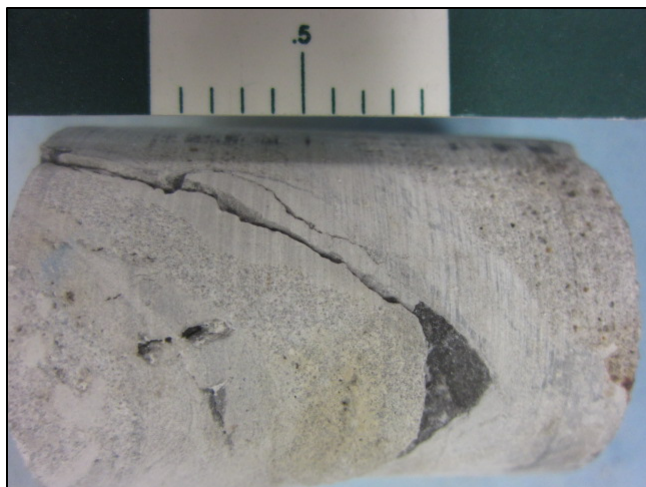
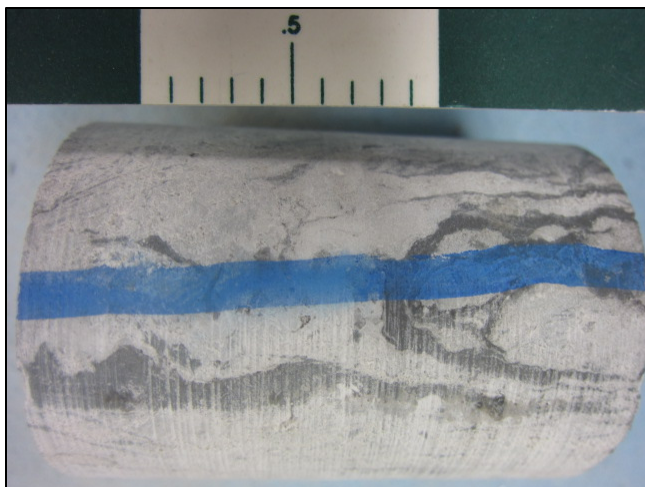
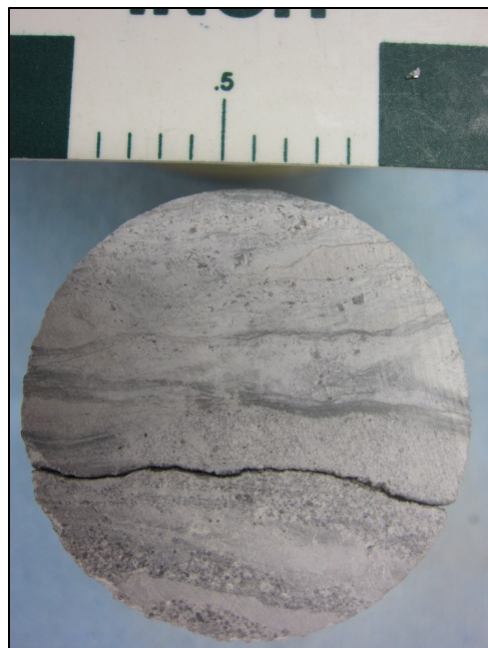
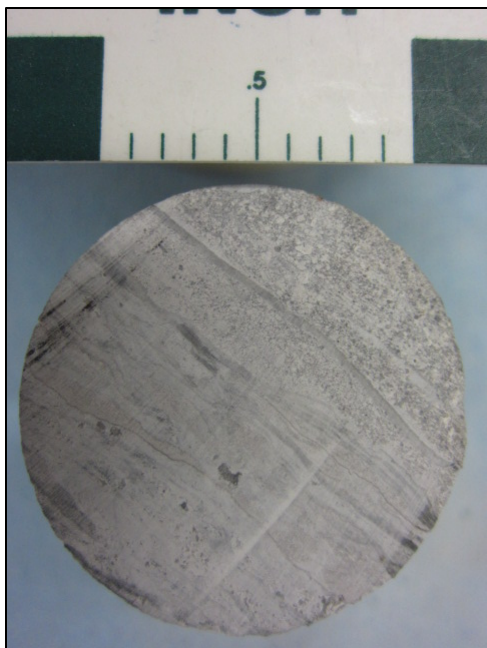




12-23
4160.5'

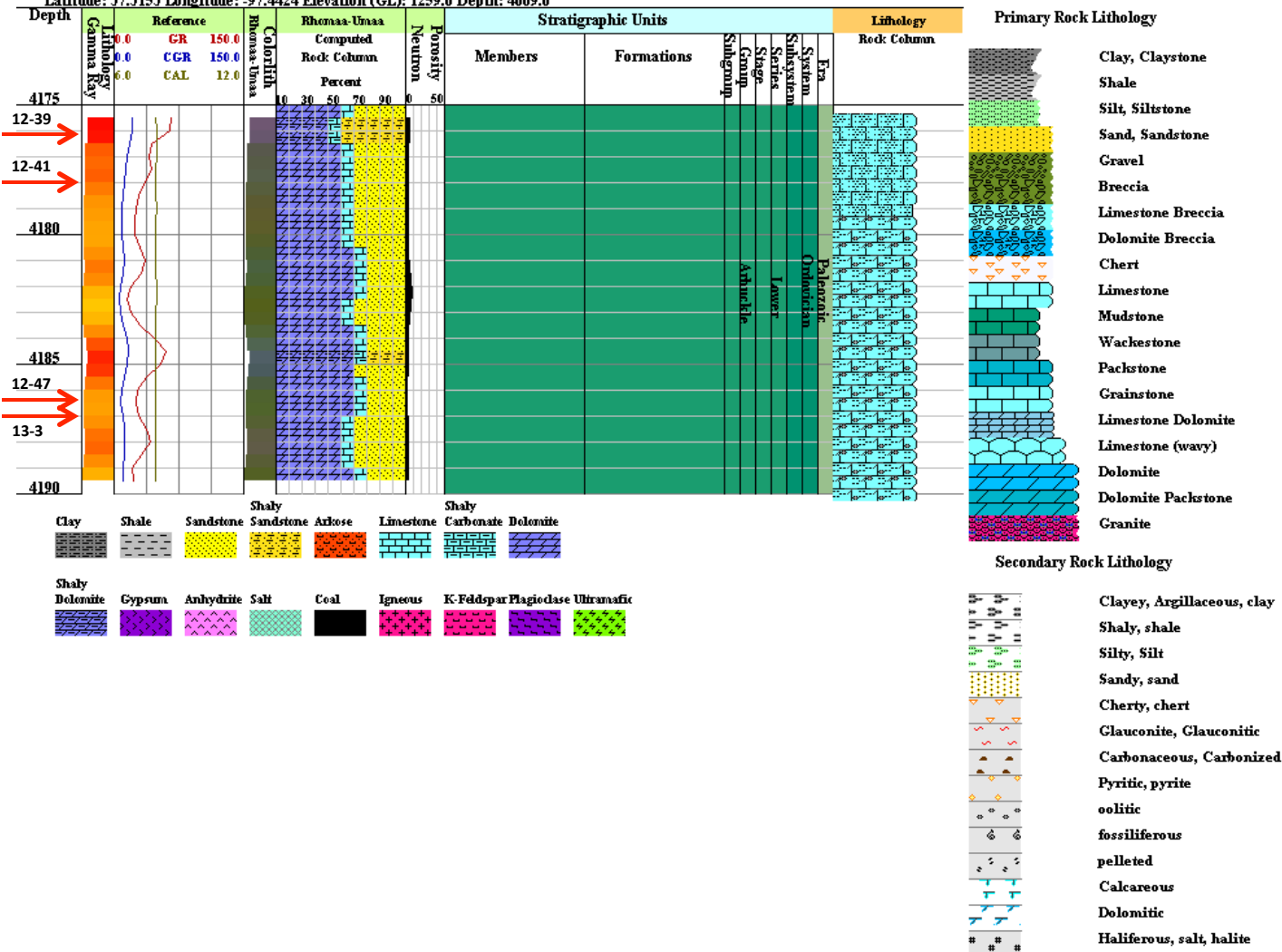


12-37
4174.55'



Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32

Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



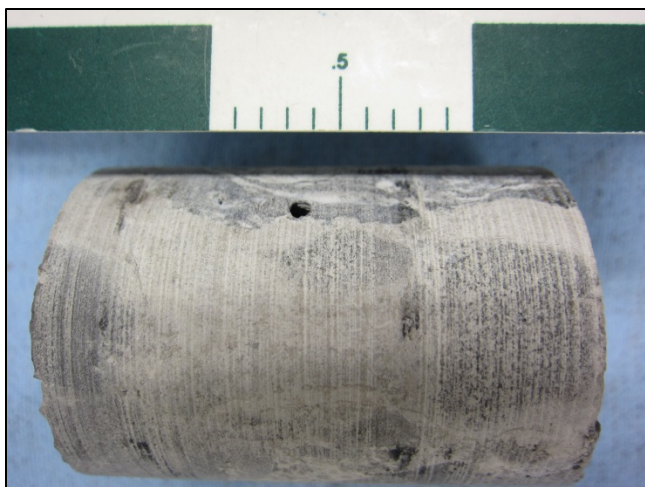
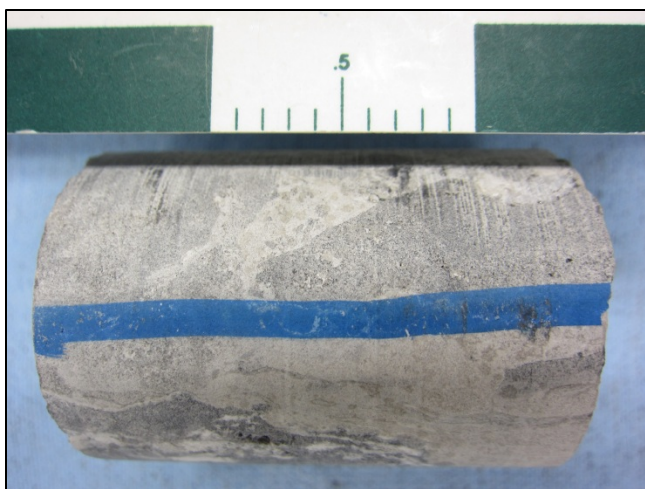
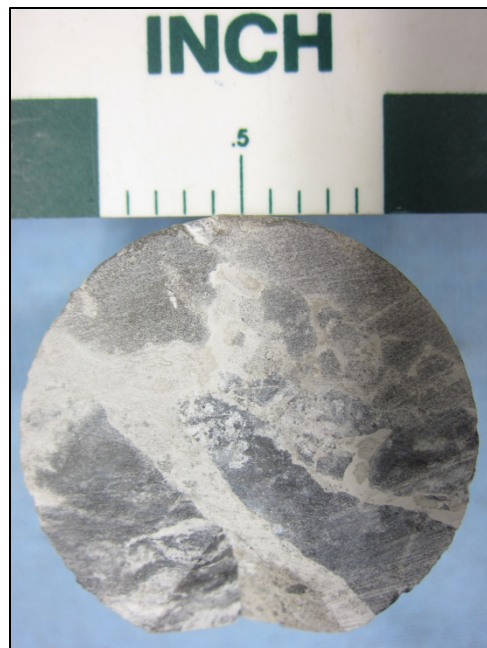
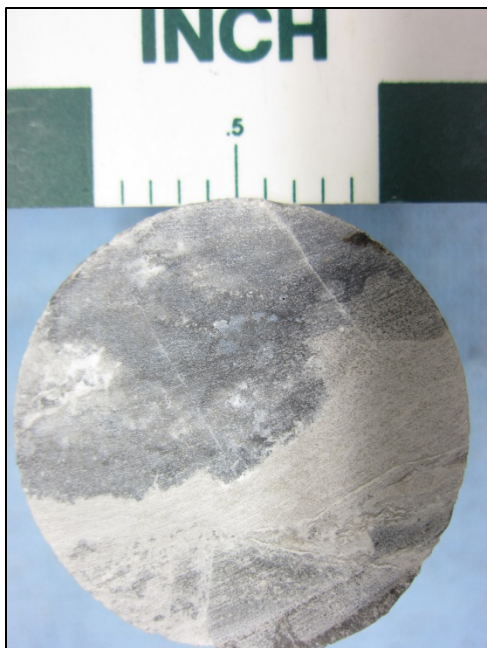
4181

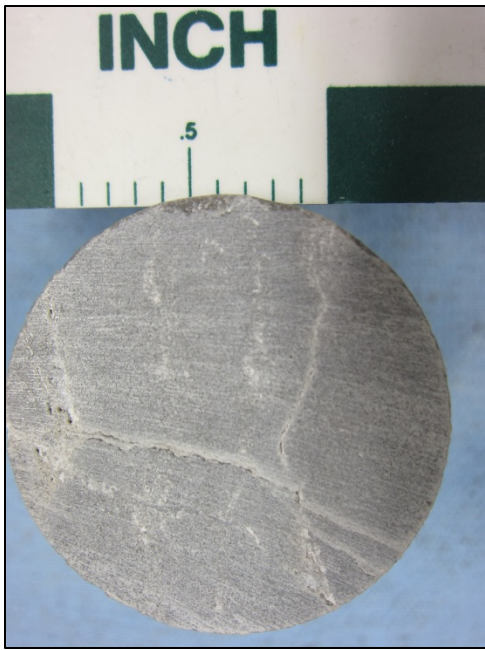
4184

CORE 12

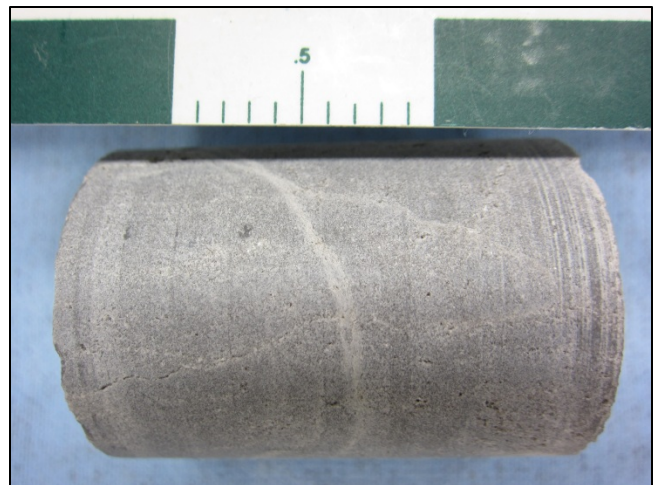
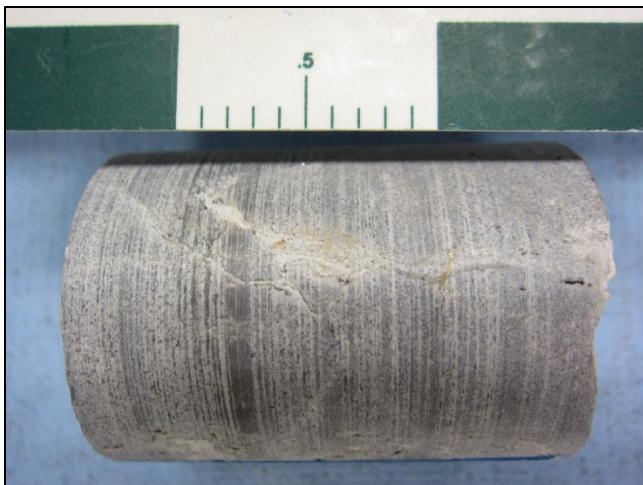
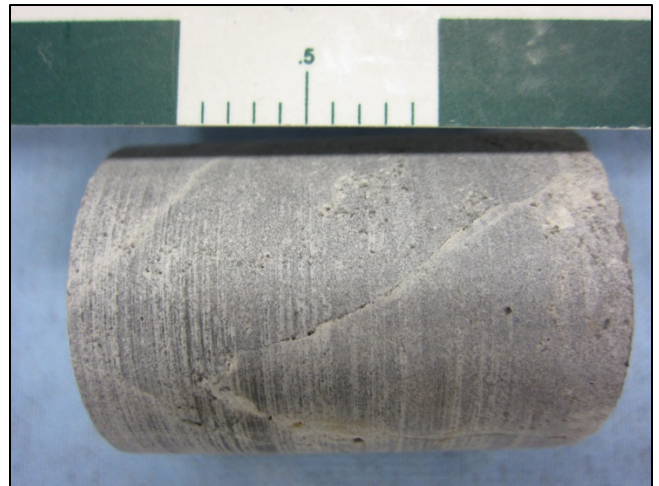
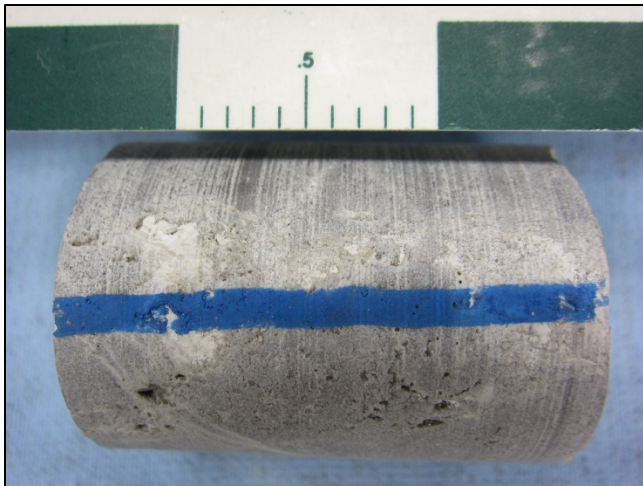
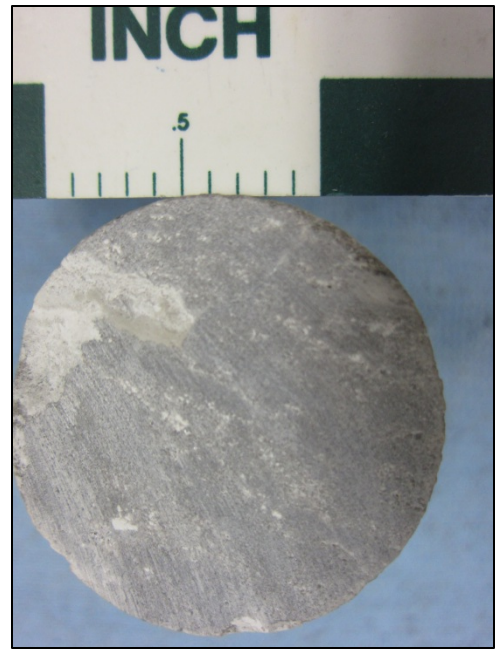


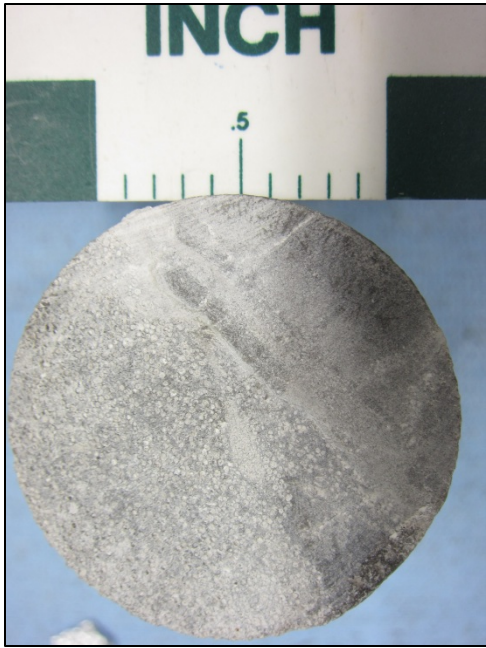
12-39
4176.1'



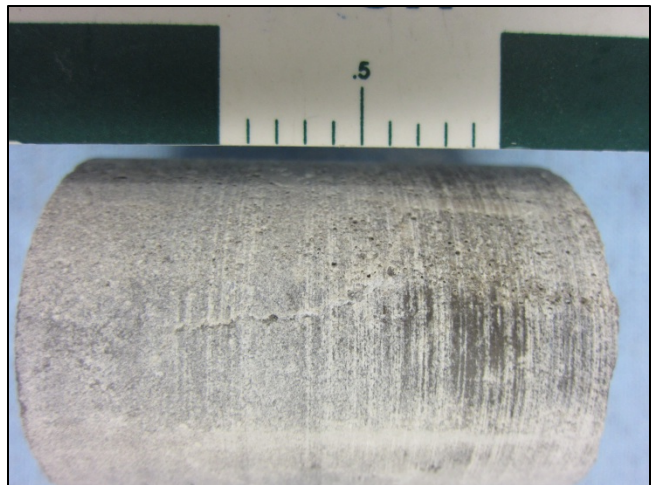
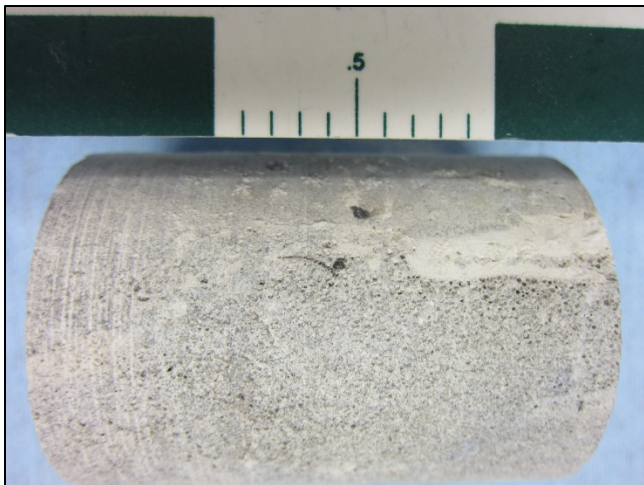
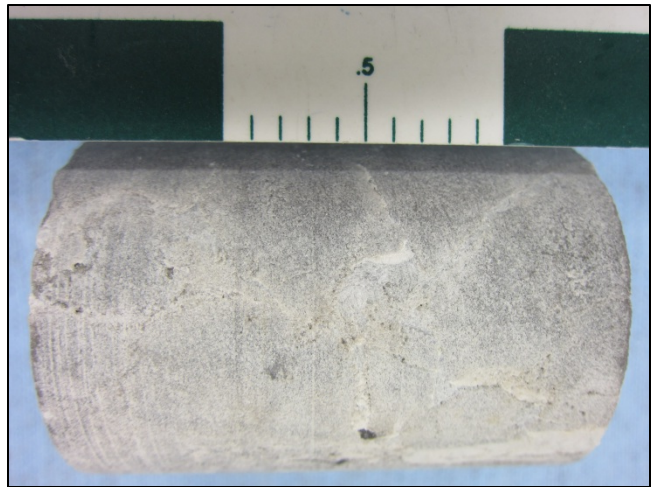
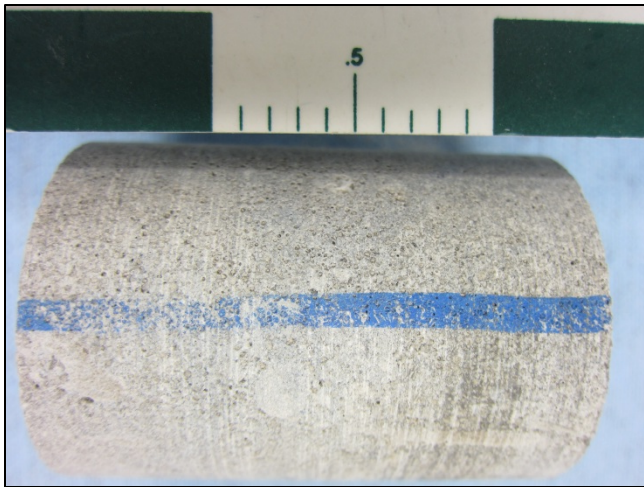
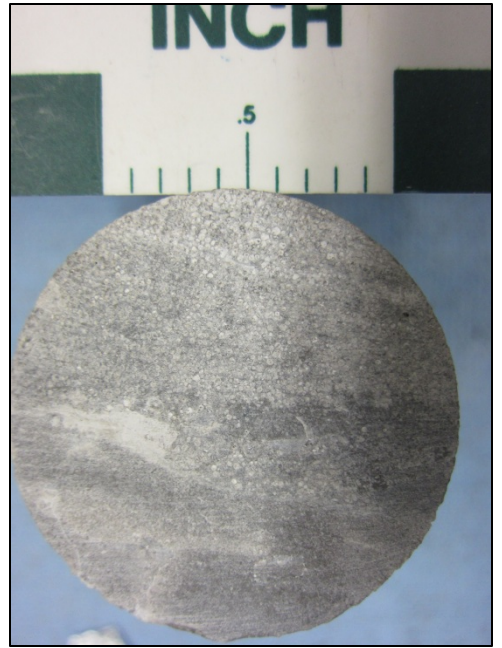


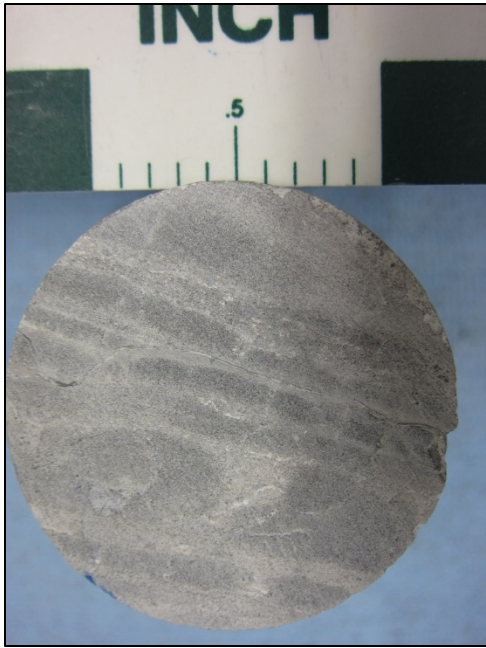
12-41
4178.9'



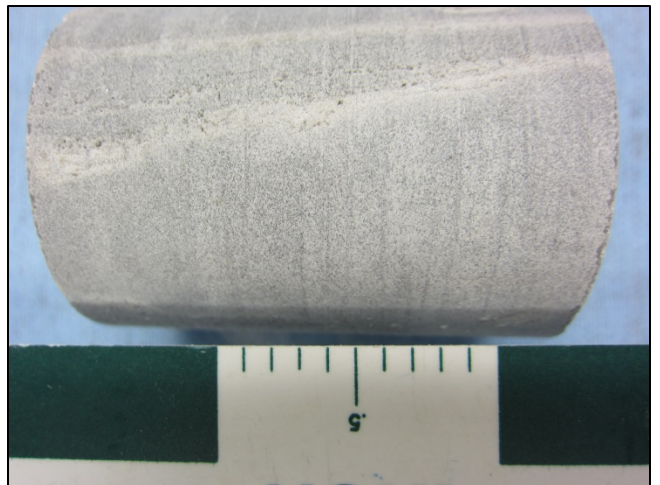
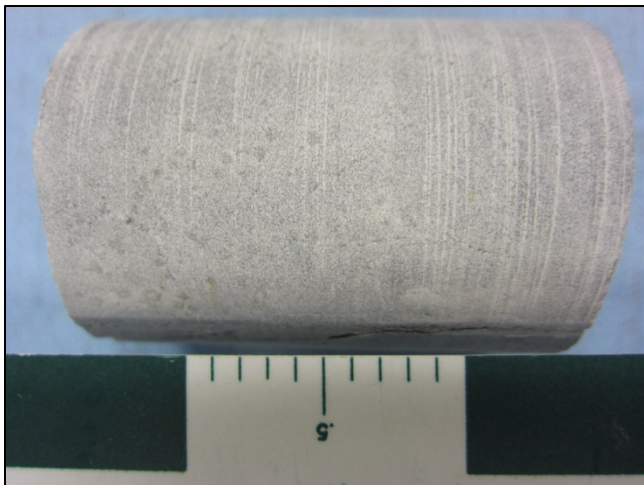
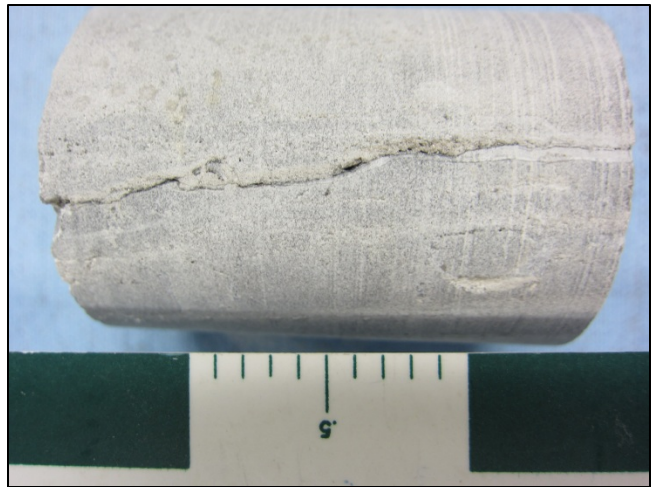
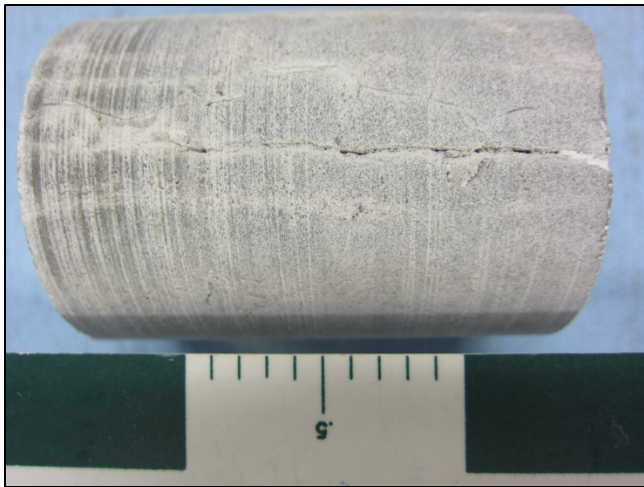
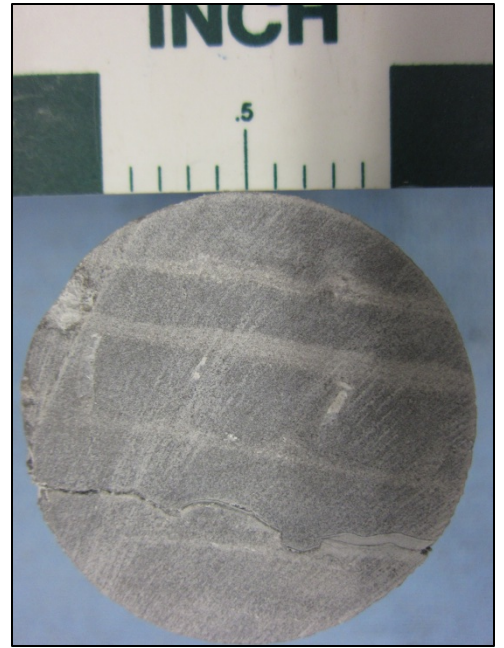


12-47
4187.8'



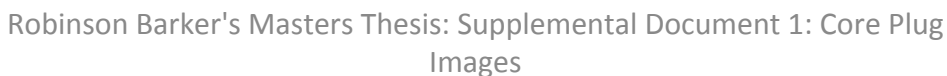


13-3
4187.2'



Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0

Depth	Reference	RT	Rhomaa-Umaa	St
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4185

4188

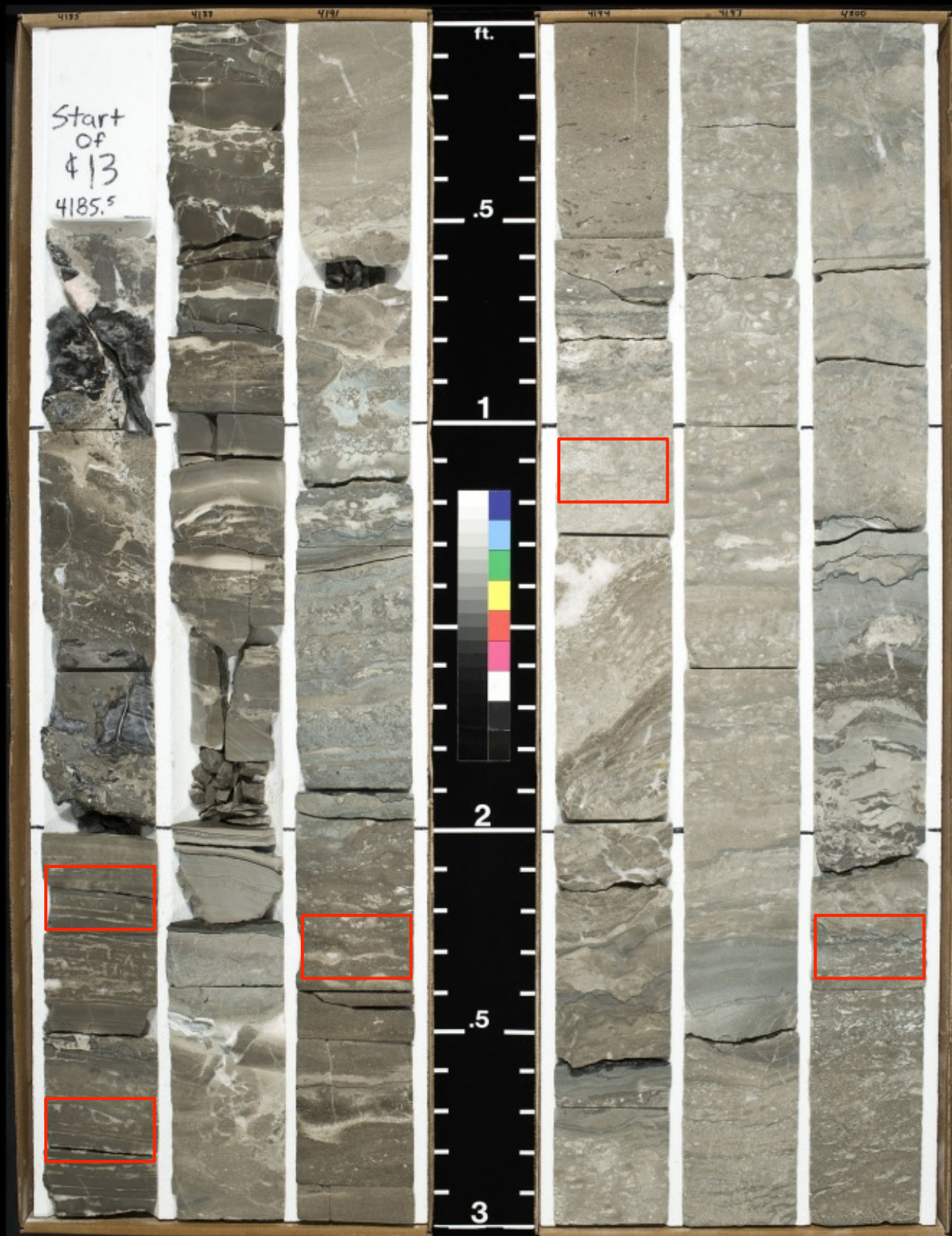
4191

CORE 13

4194

4197

4200



4203

4206

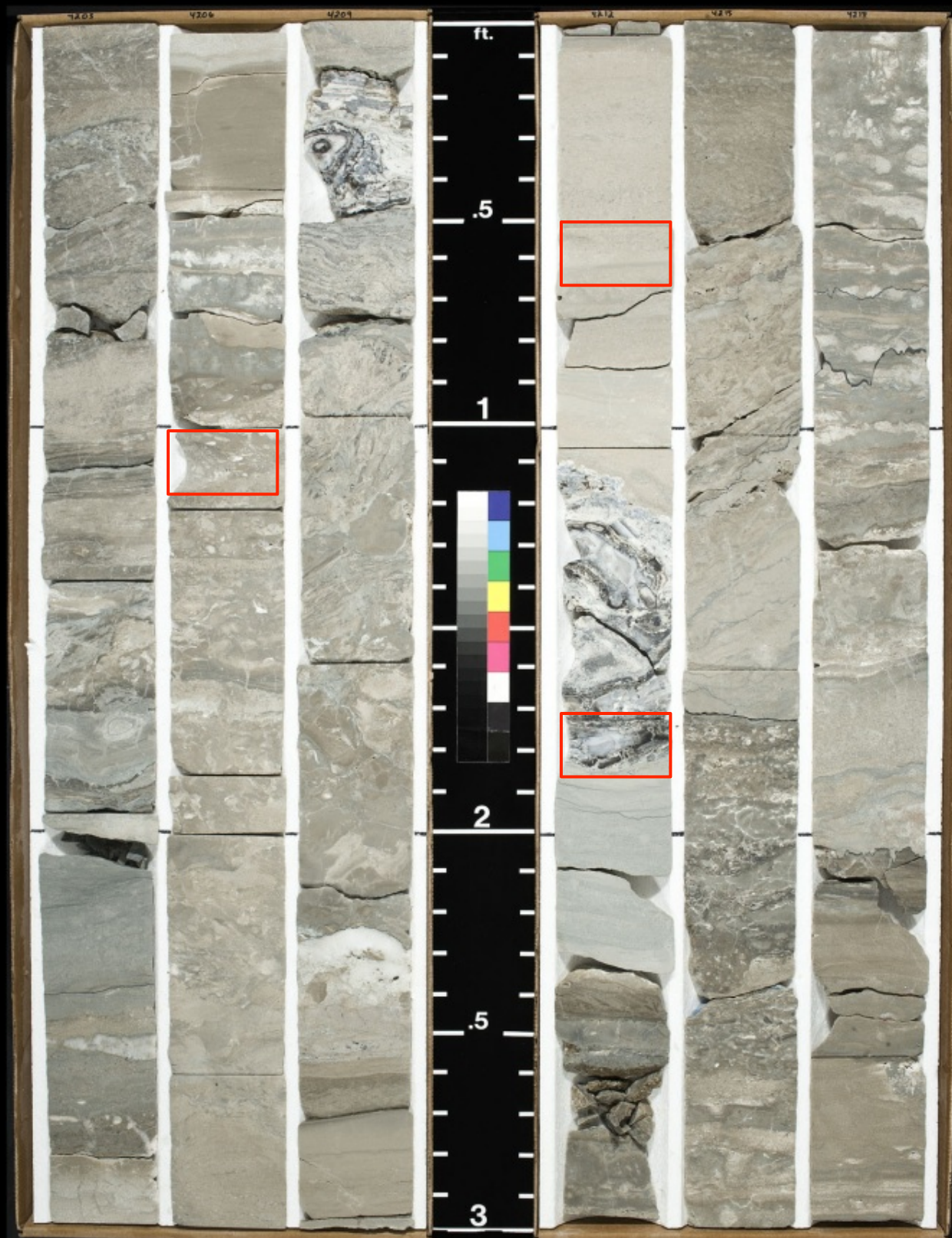
4209

CORE 13

4212

4215

4218



4221

4224

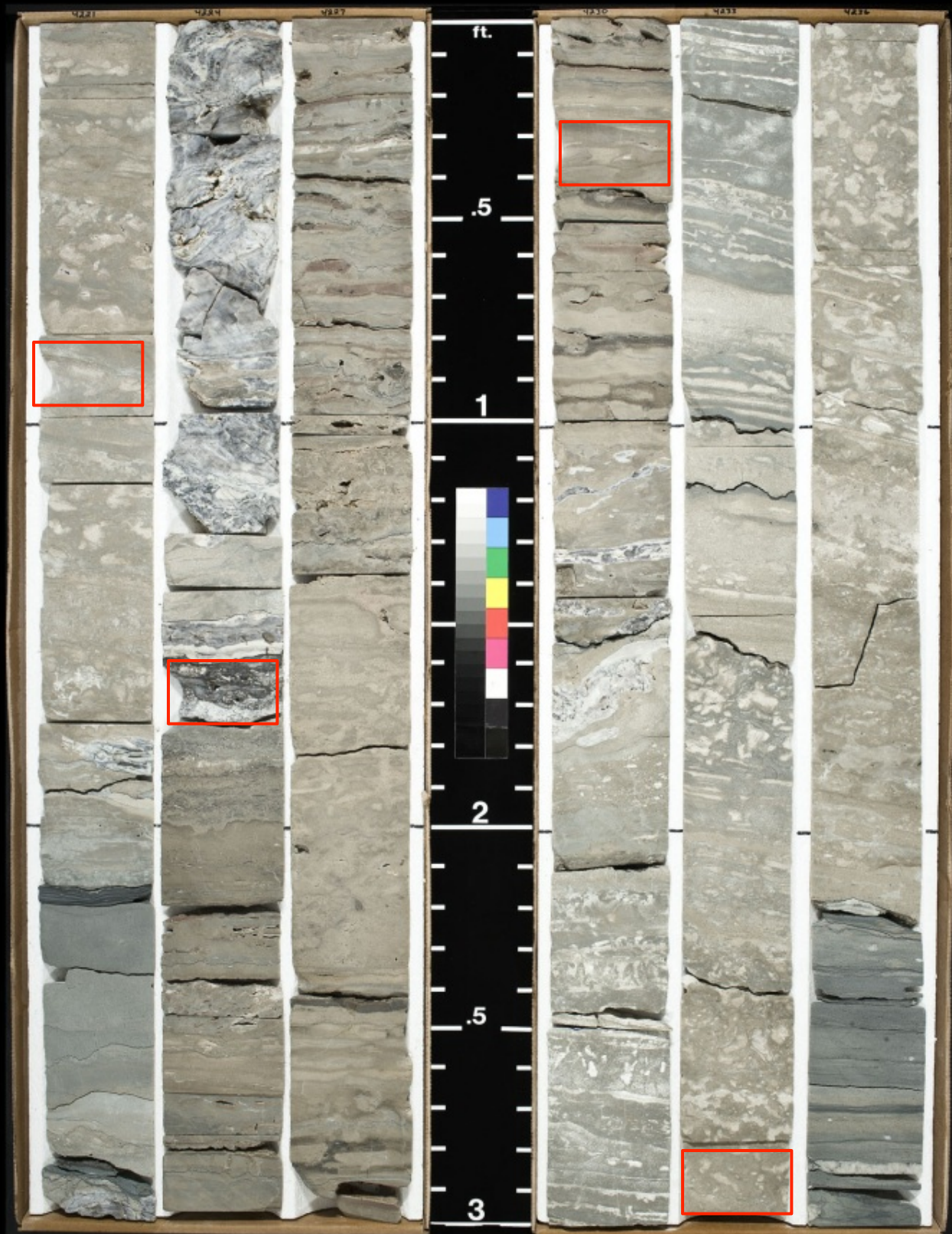
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CORE 13

4230

4233

4236



4239

4242

CORE 13



4244

4247

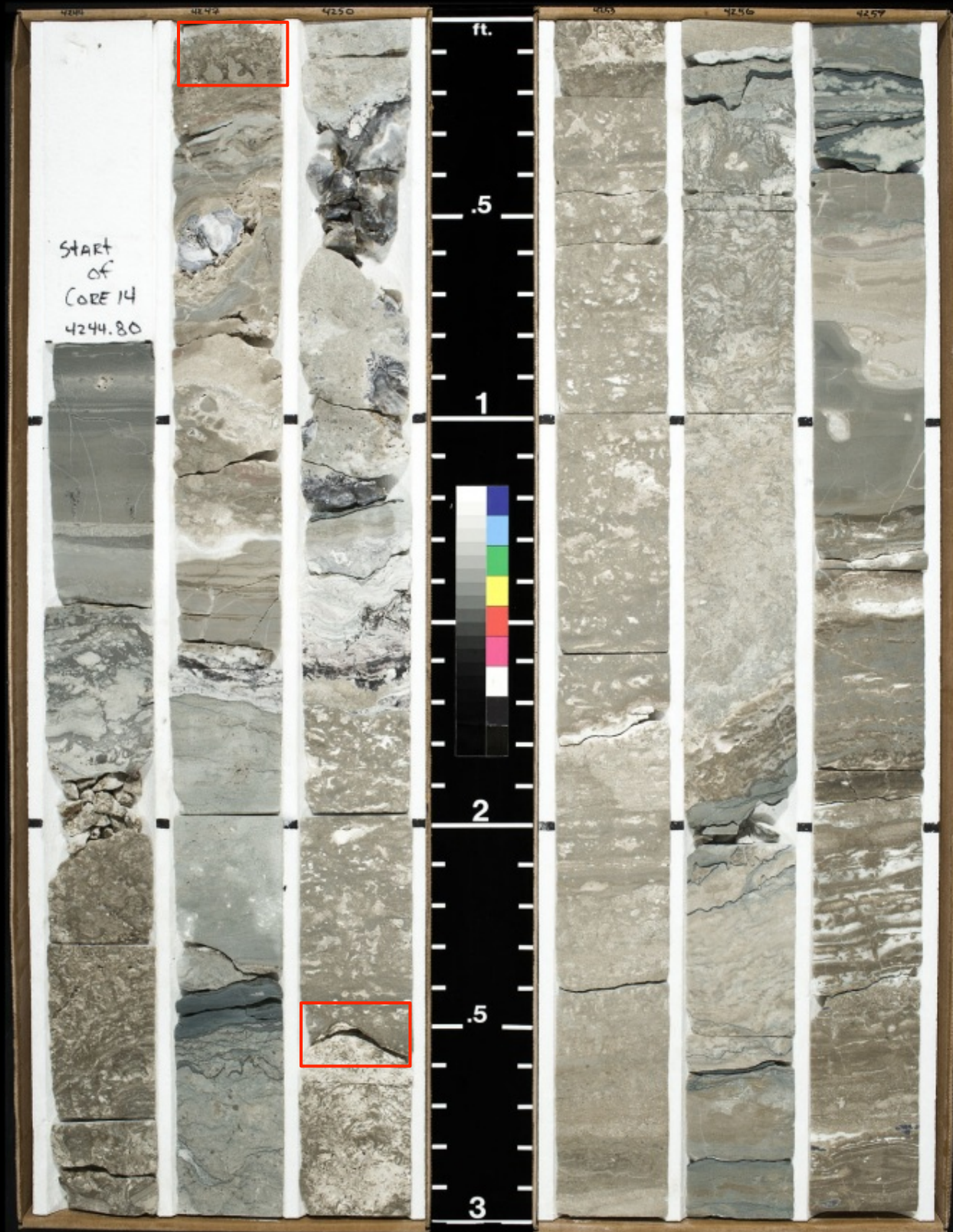
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CORE 14

4253

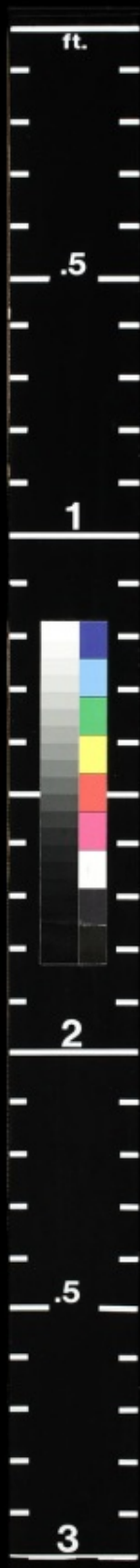
4256

4259



4262

CORE 14



4267

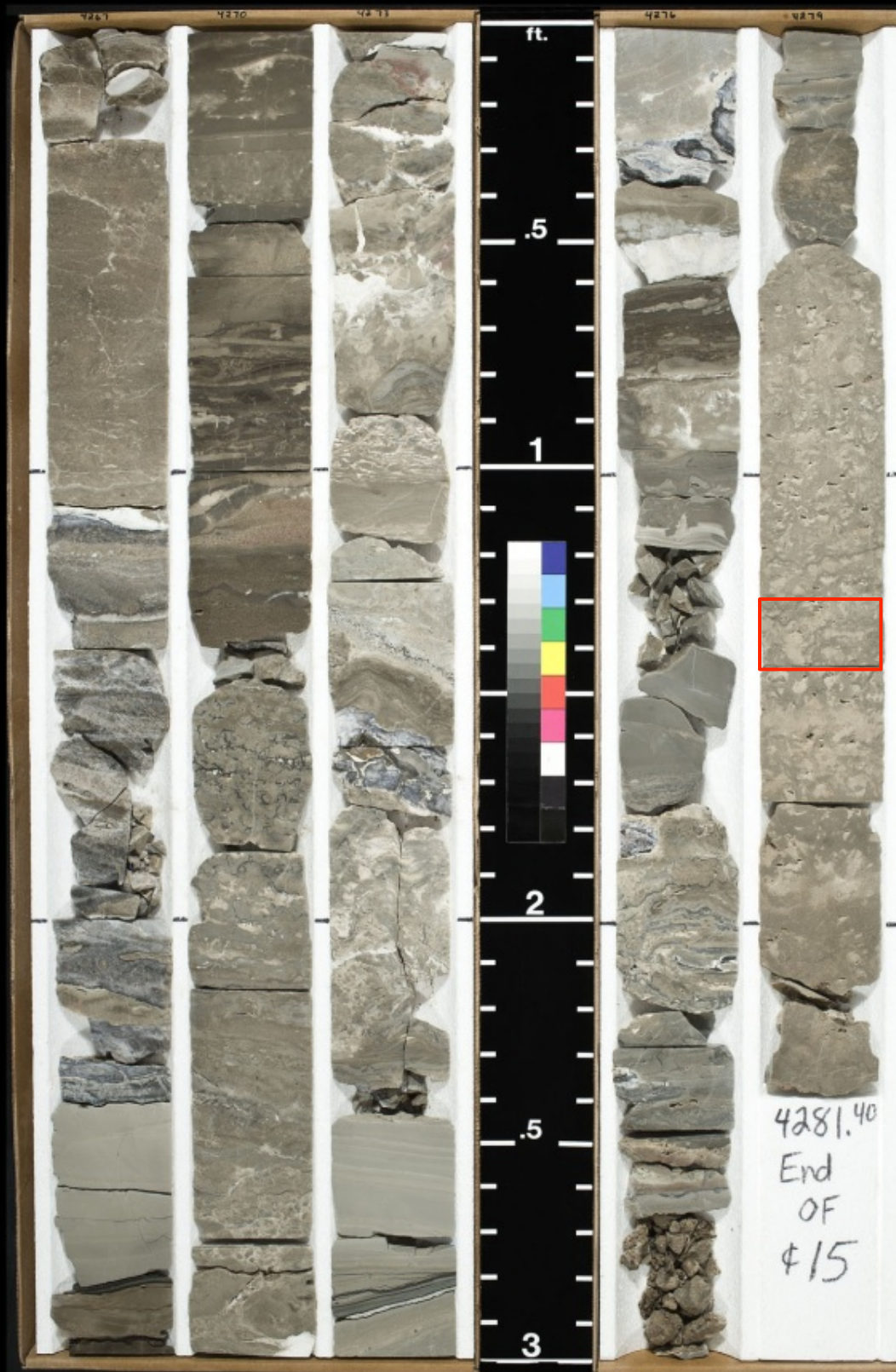
4270

4273

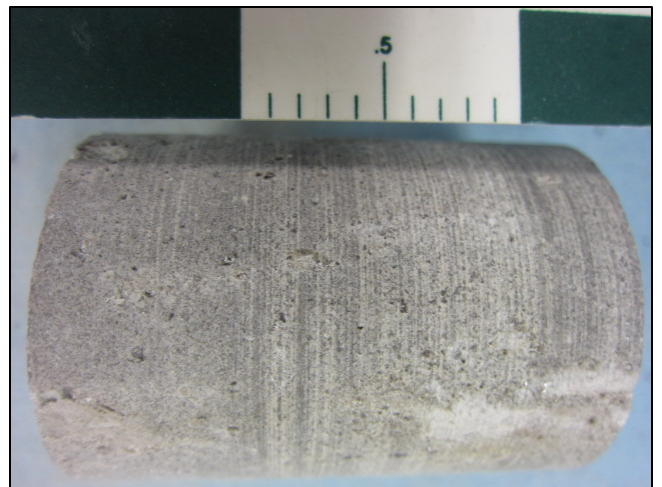
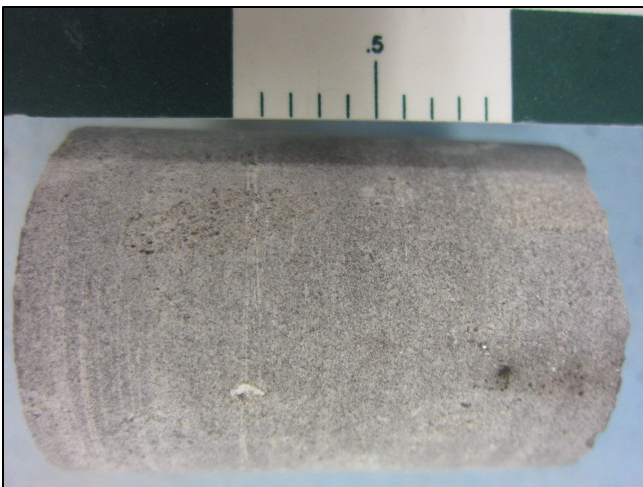
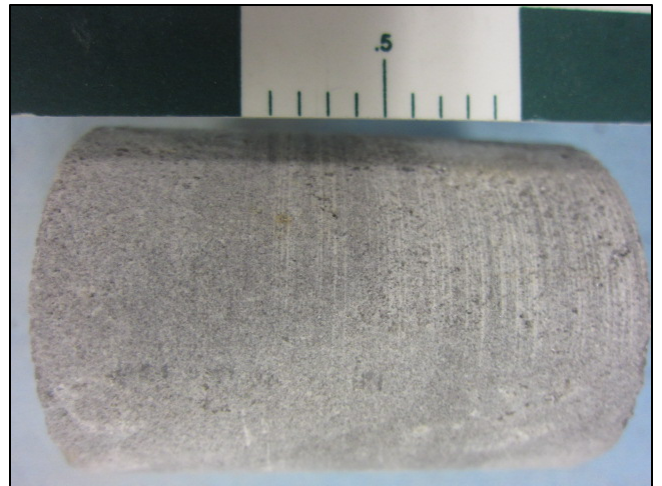
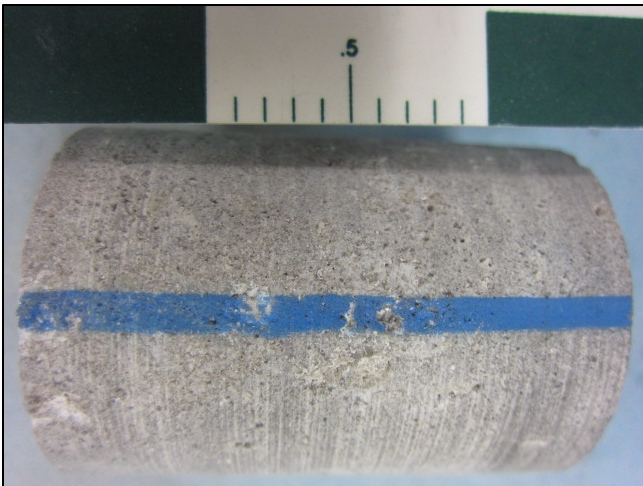
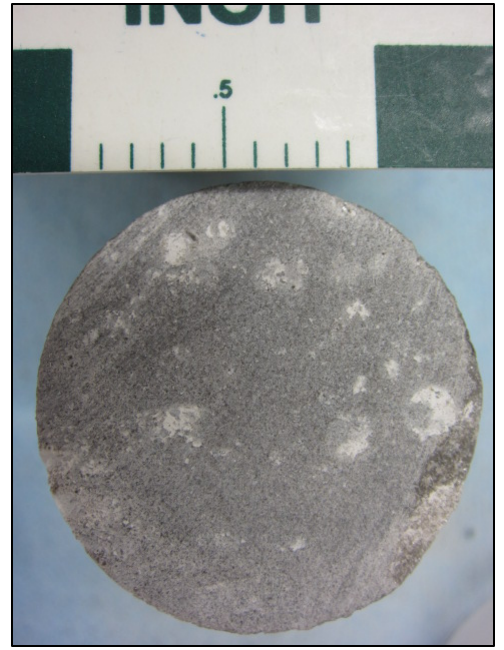
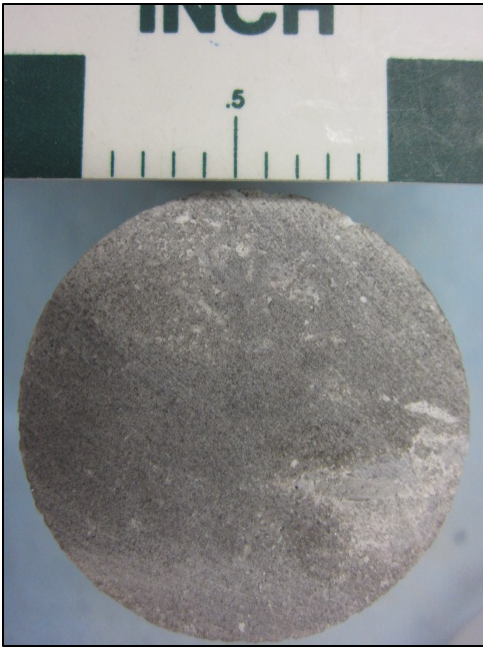
CORE 15

4276

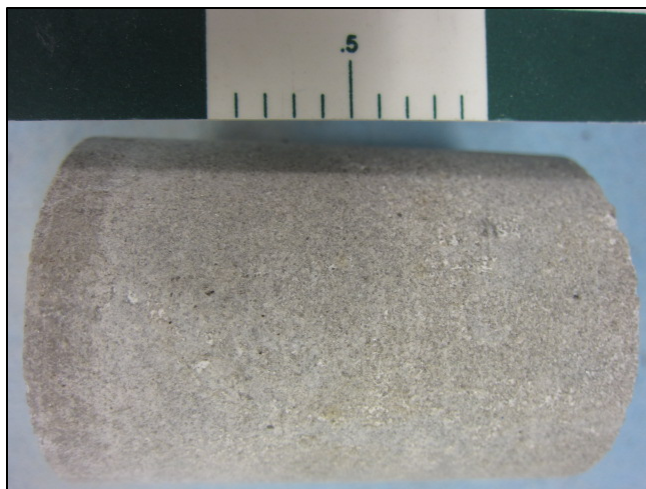
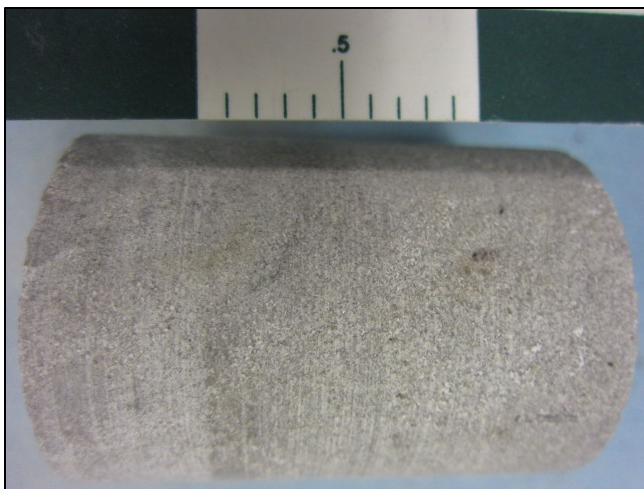
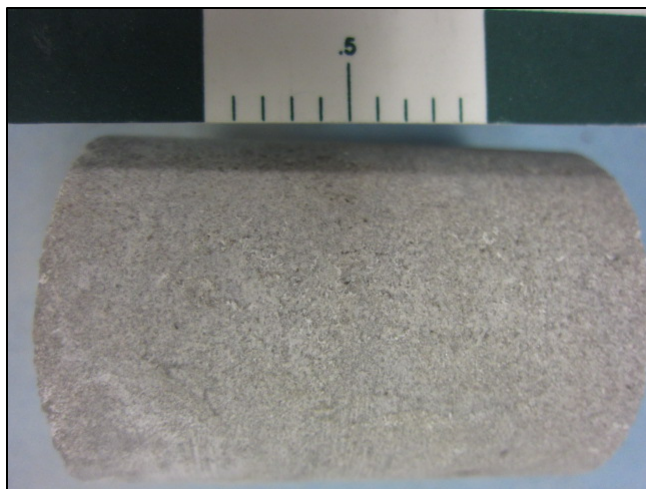
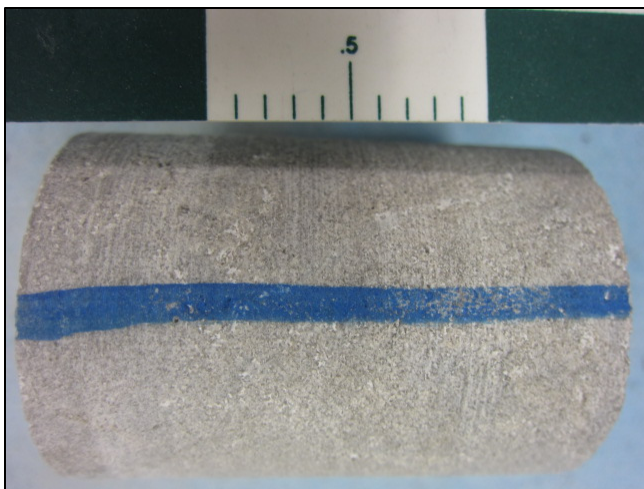
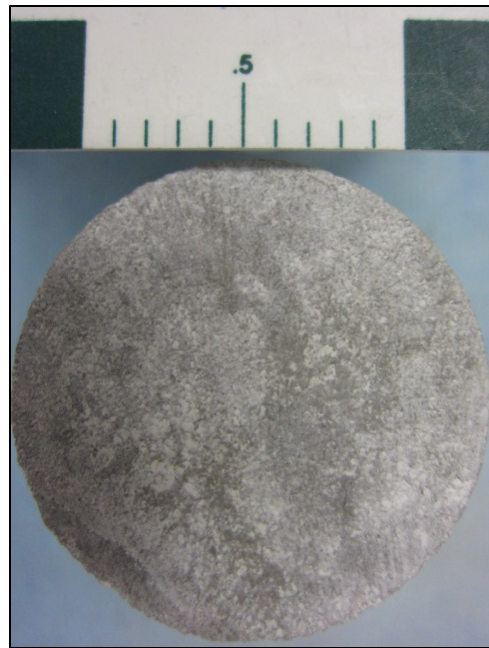
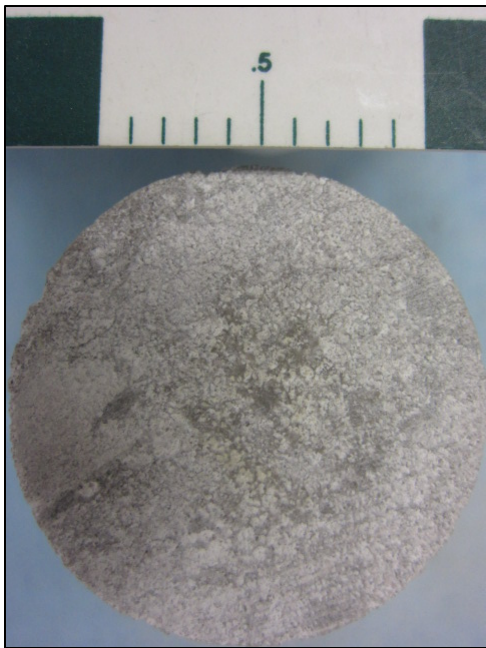
4279



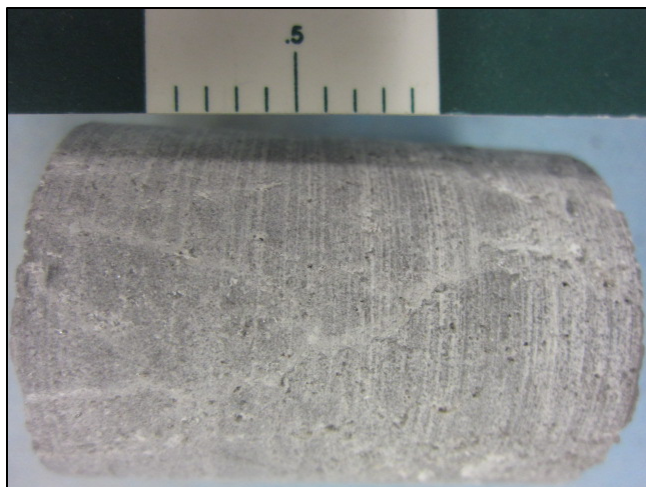
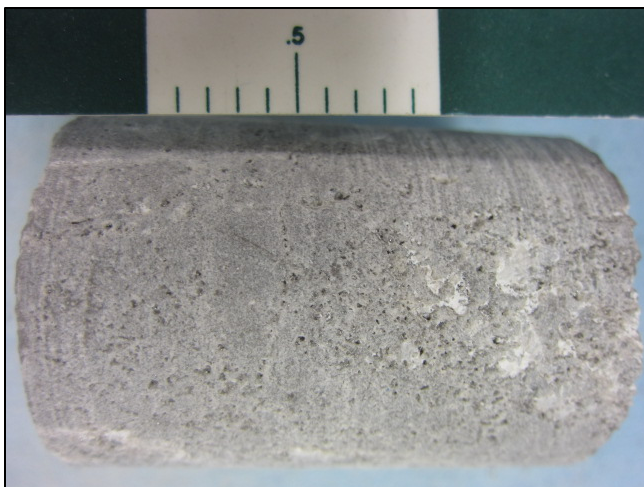
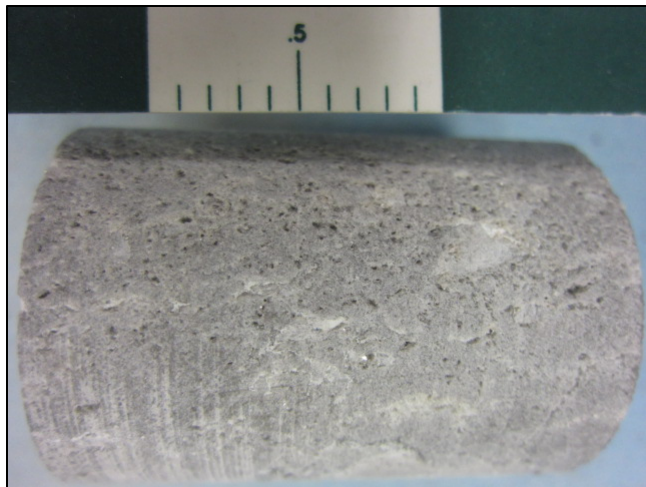
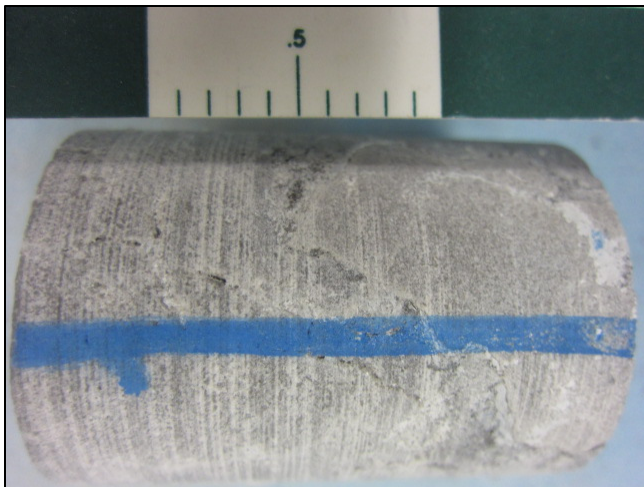
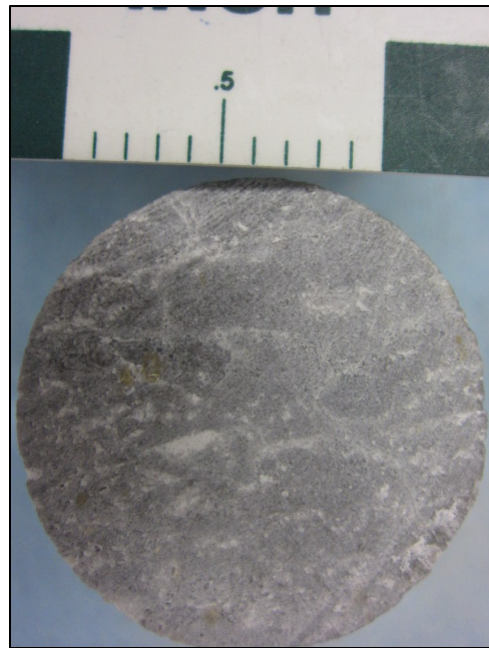
13-9
4193.3'



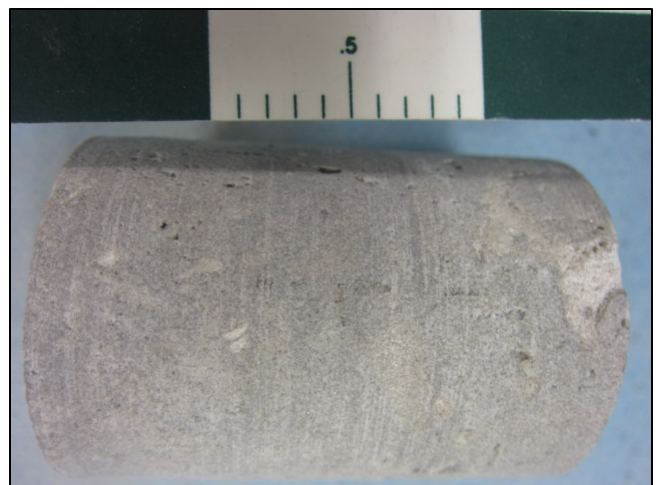
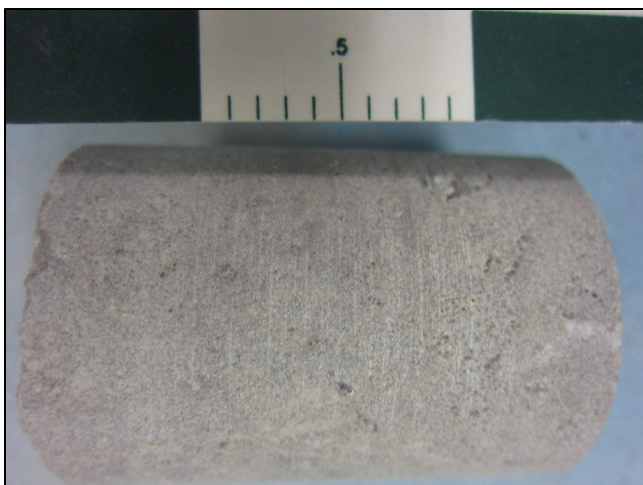
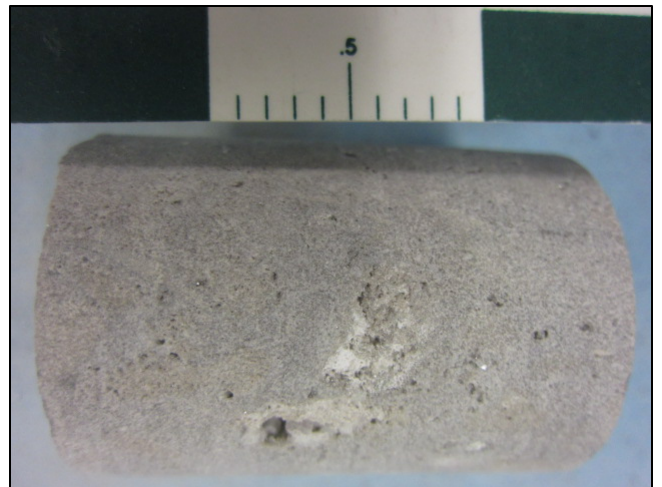
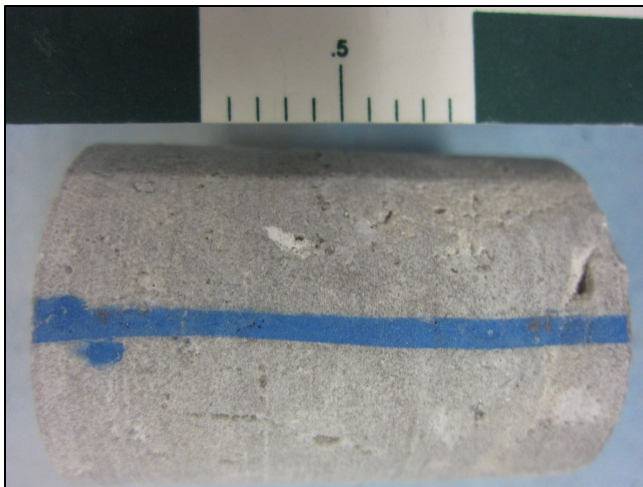
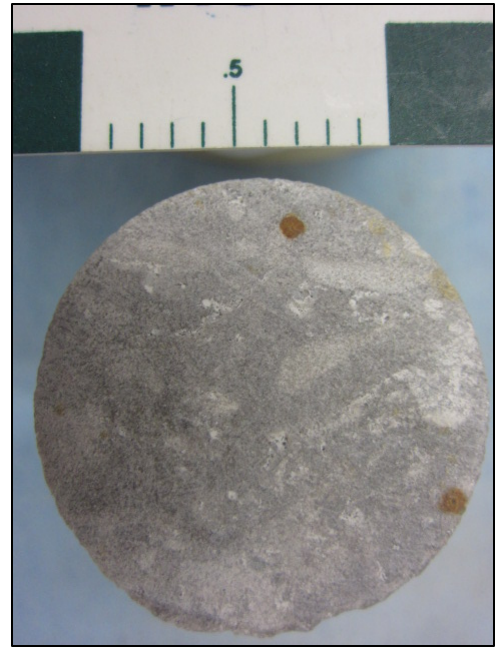
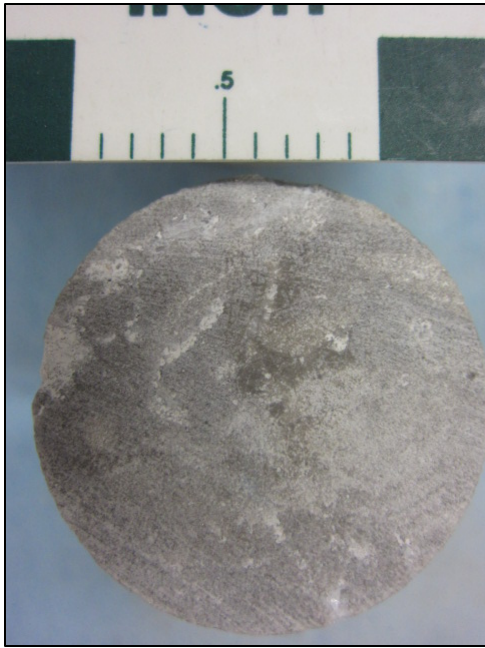
13-11
4195.1'



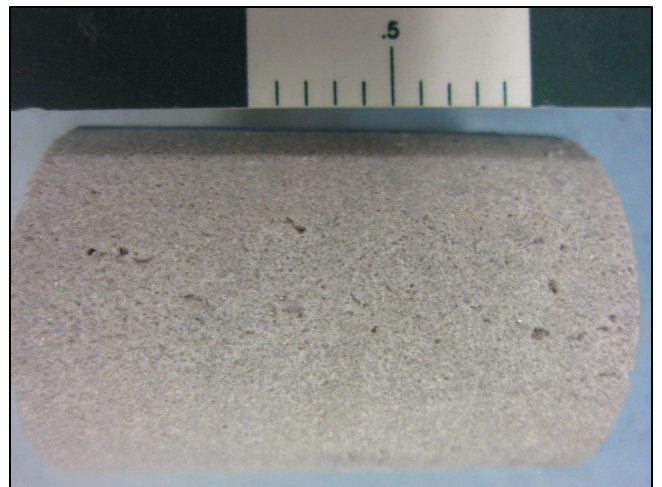
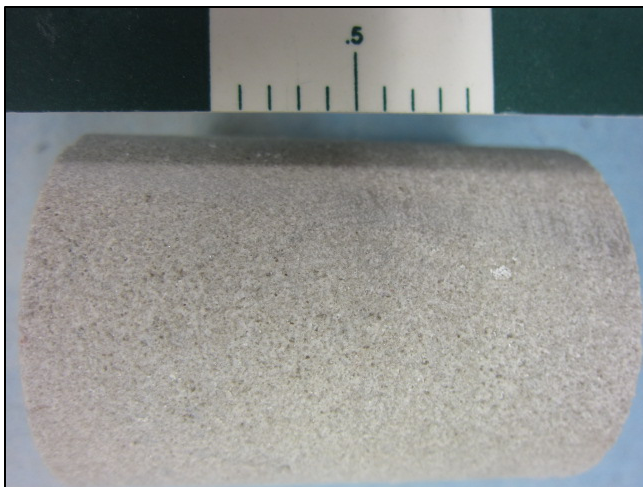
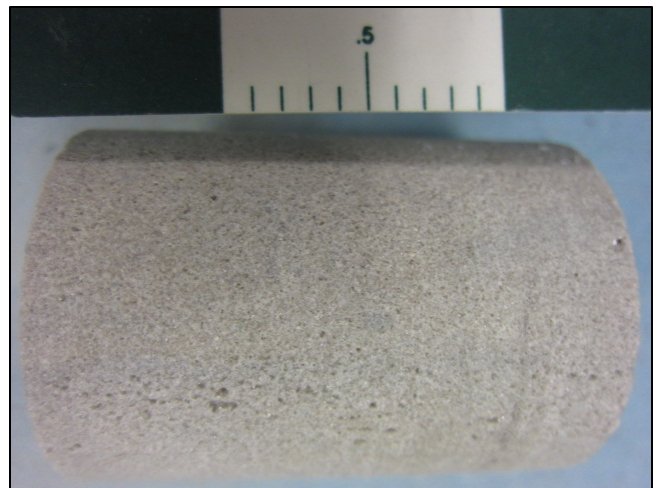
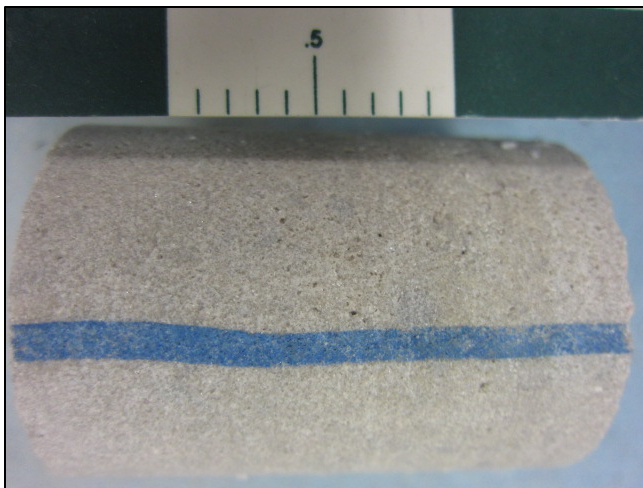
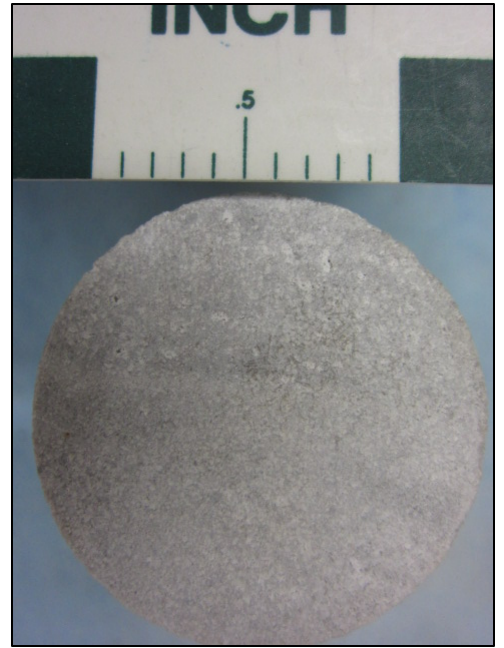
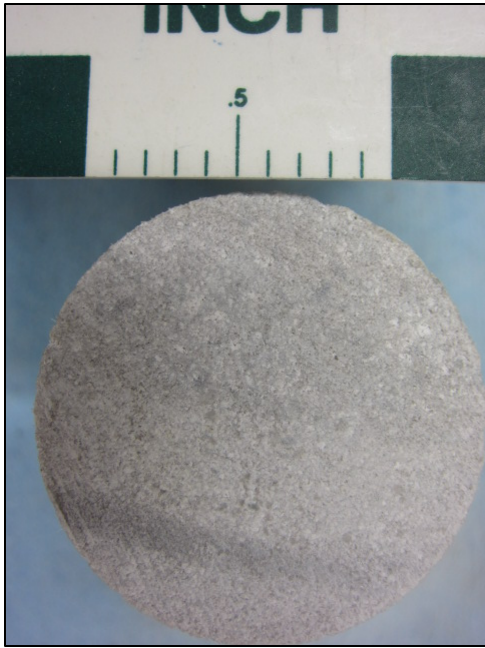
13-18
4202.3'



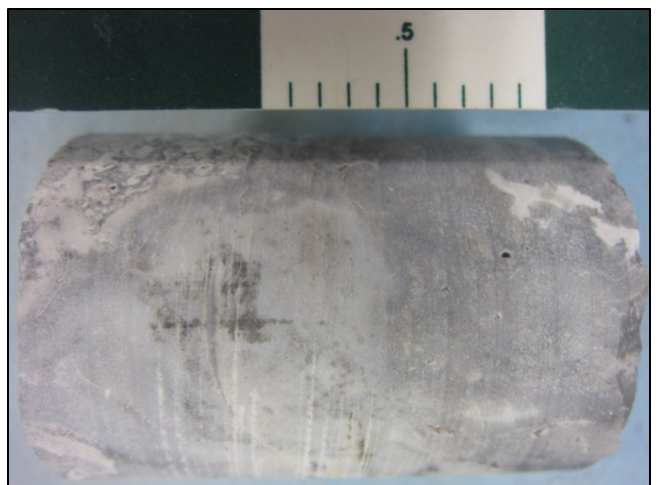
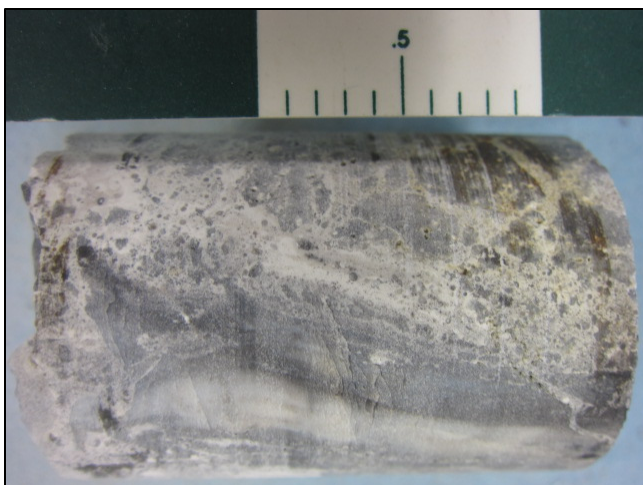
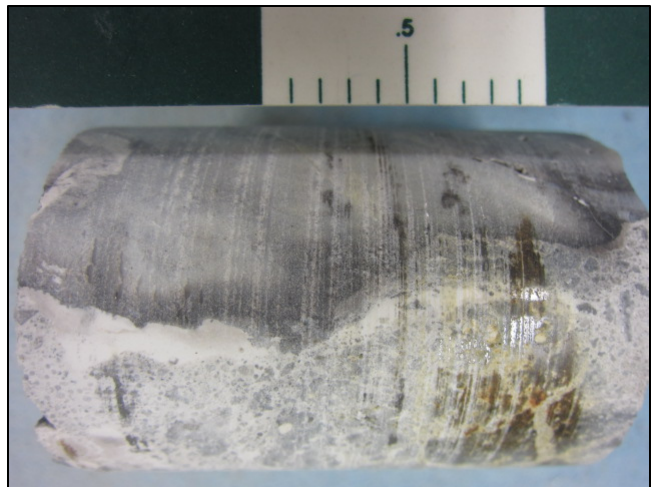
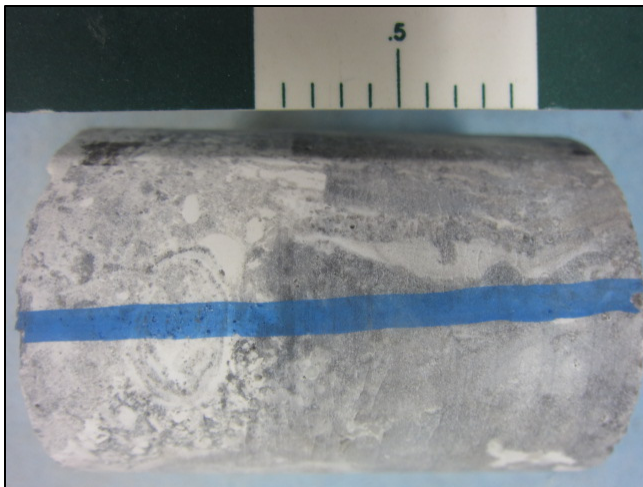
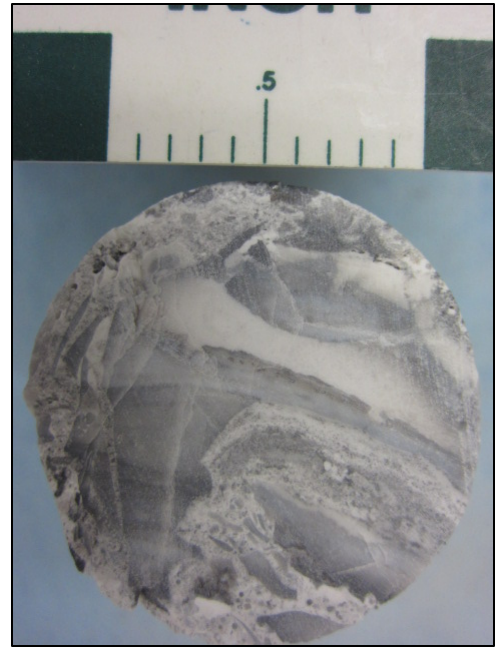
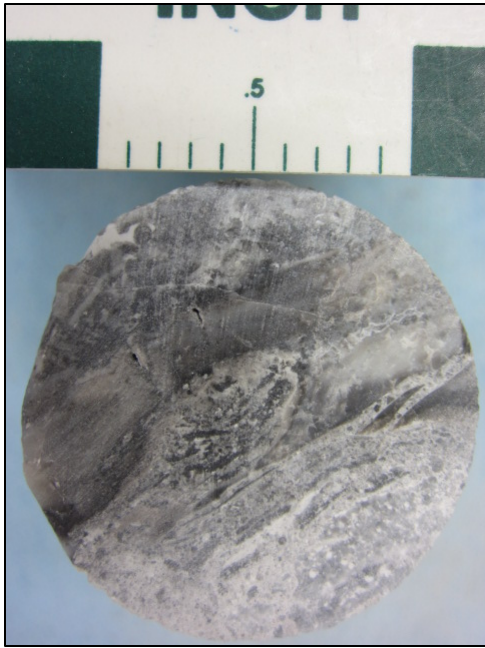
13-23
4207.1'



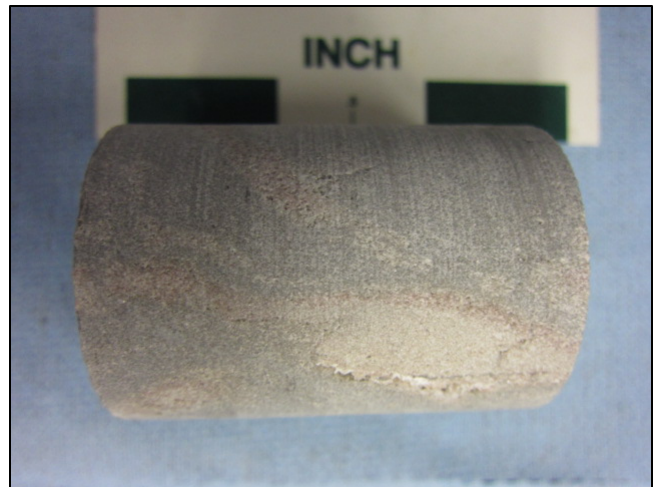
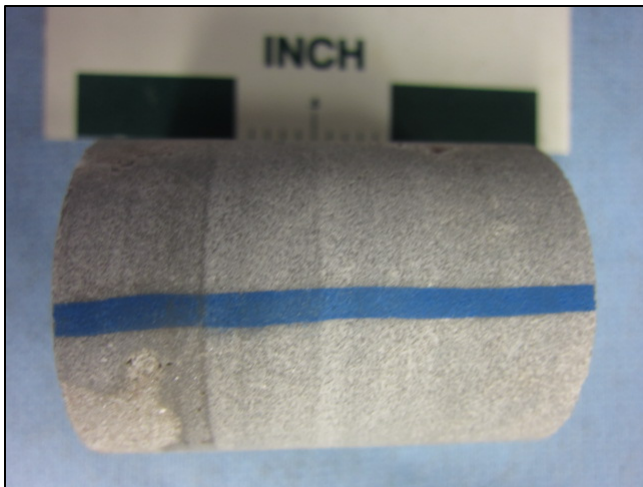
13-28
4212.6'



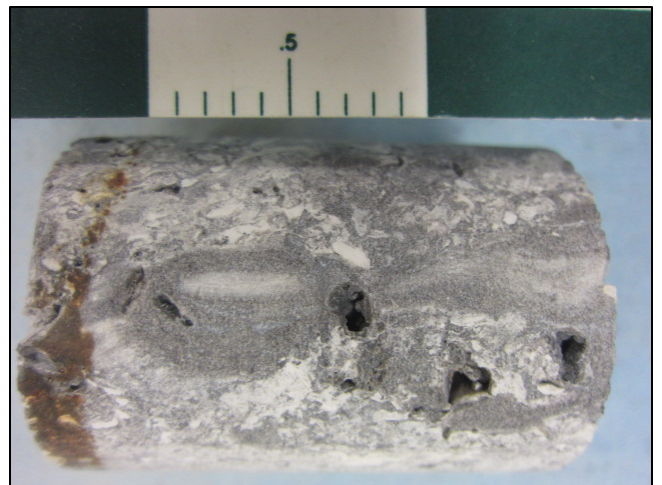
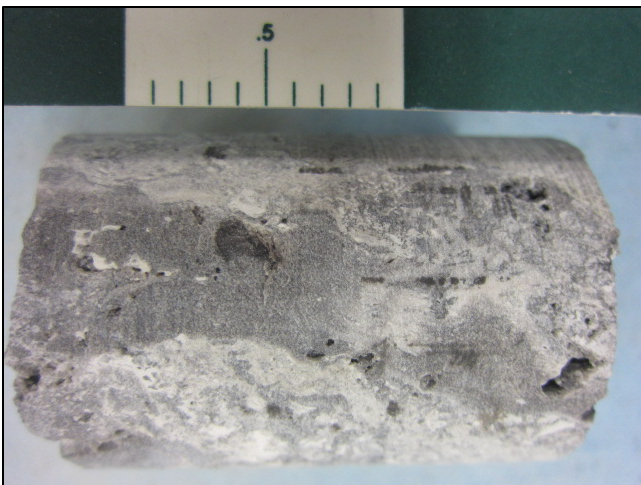
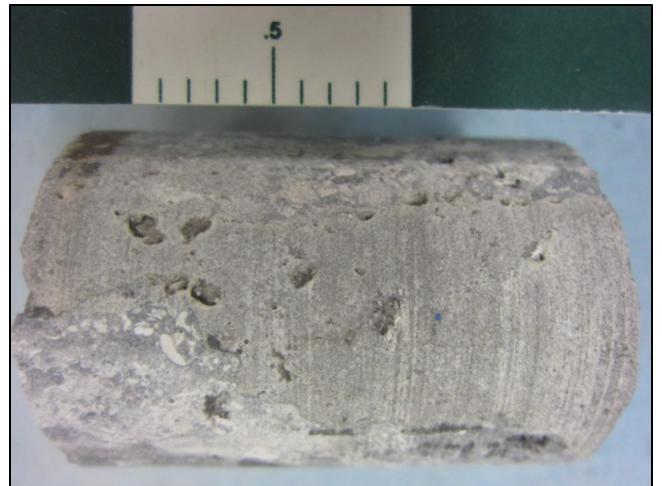
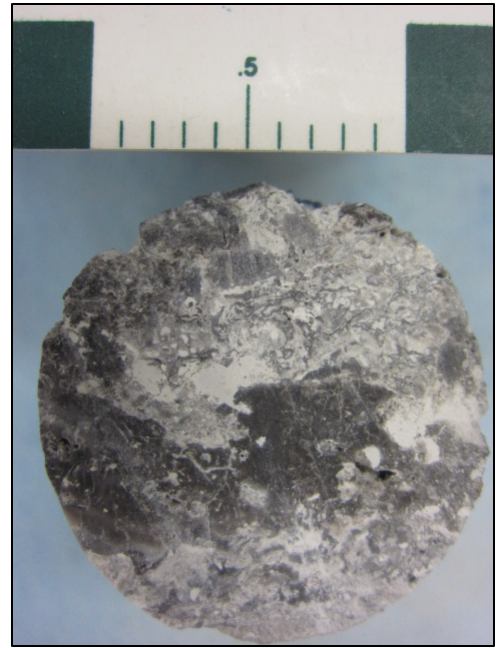
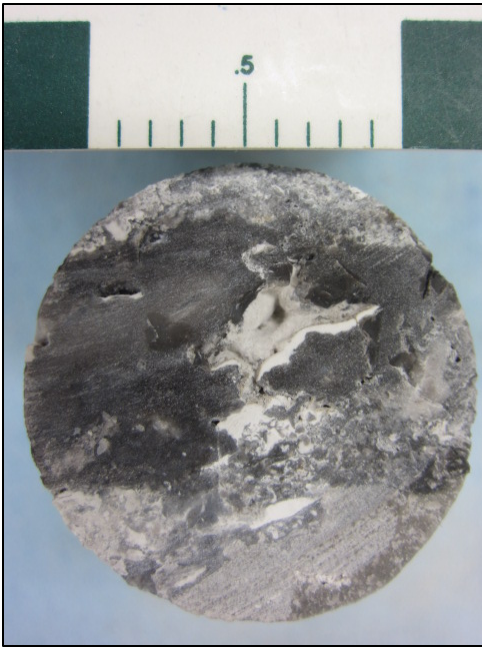
13-29
4213.8'



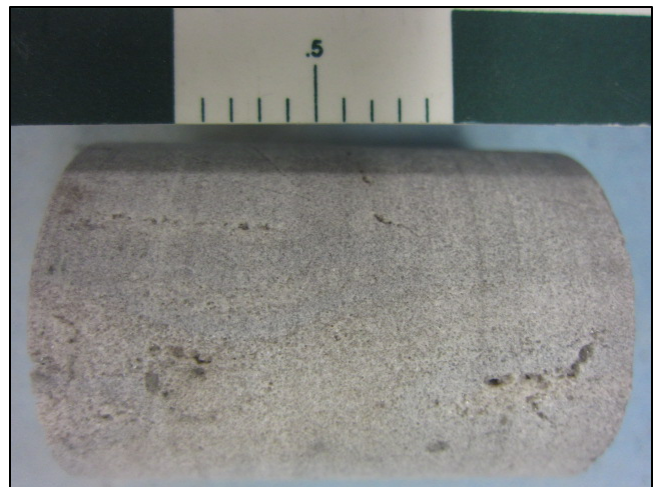
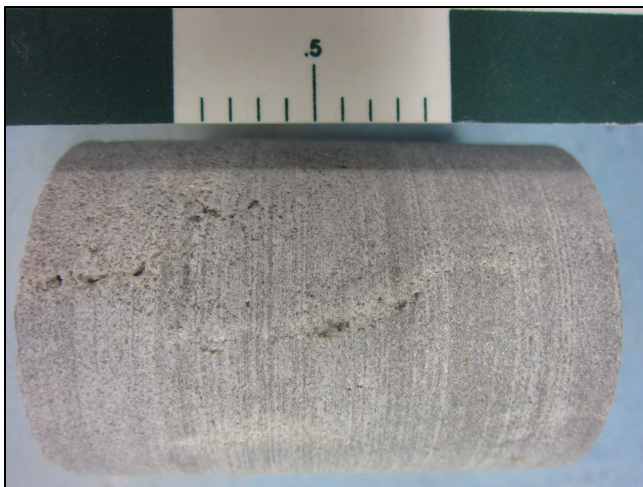
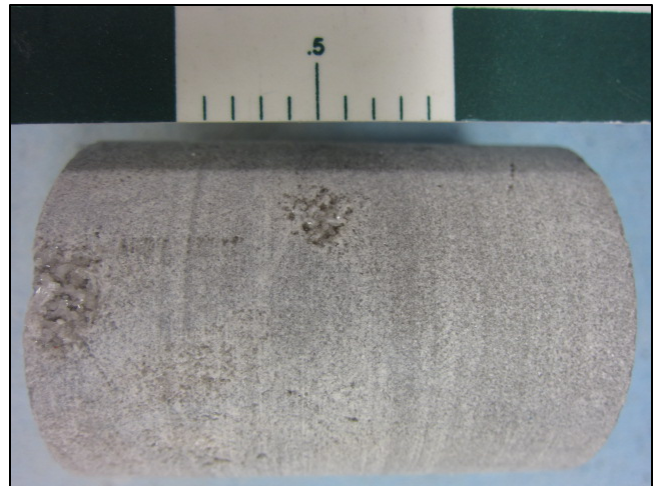
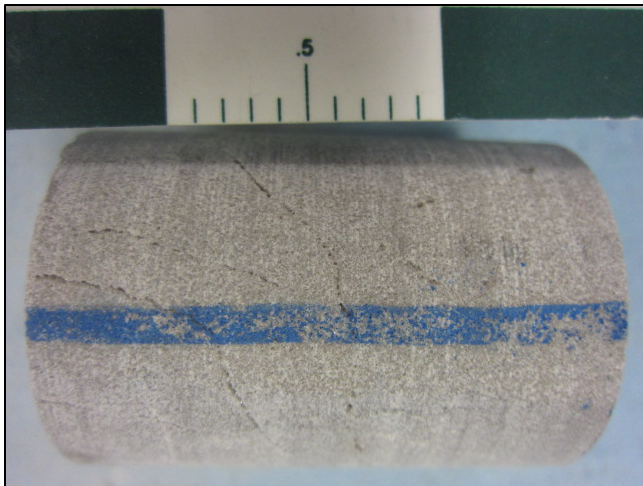
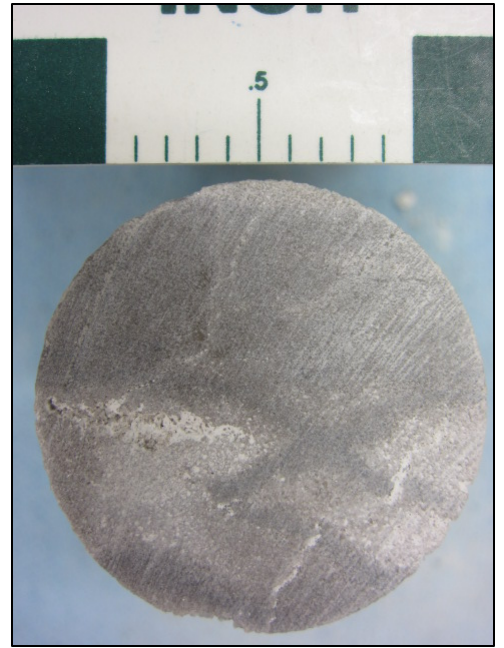
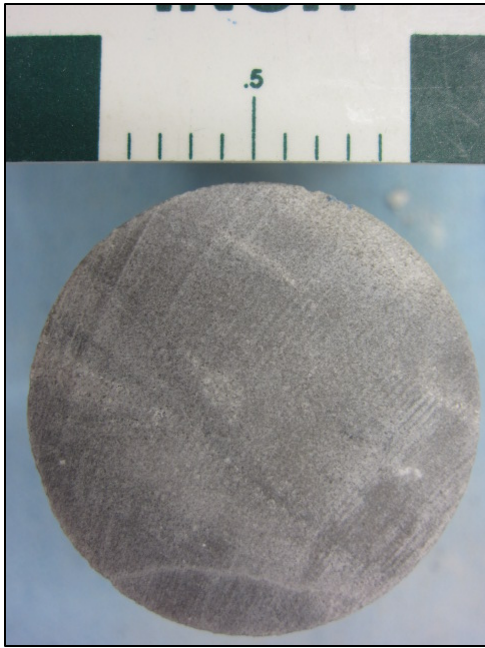
13-37
4221.9'



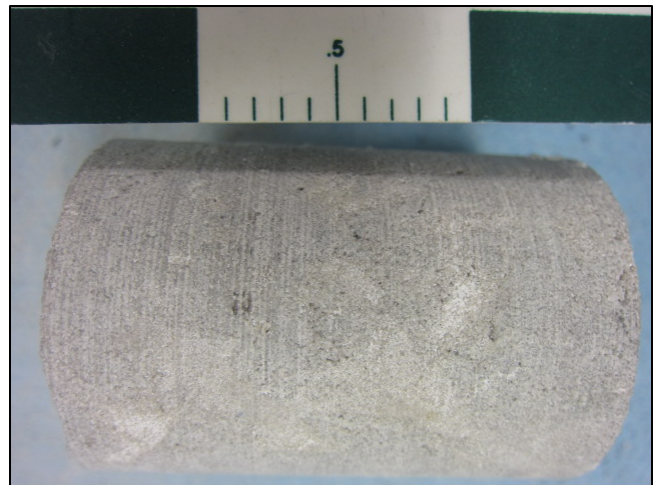
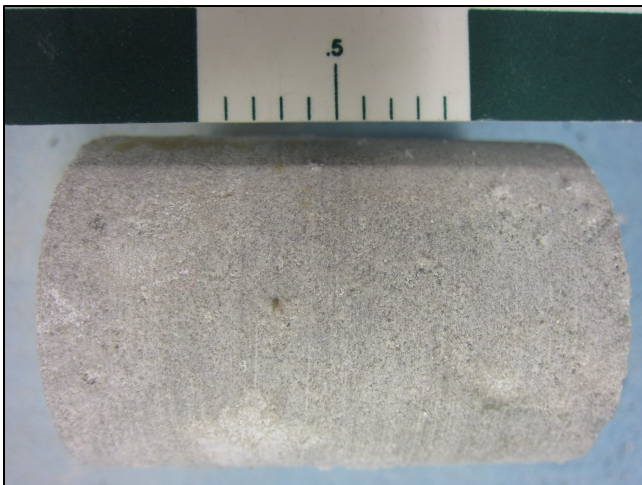
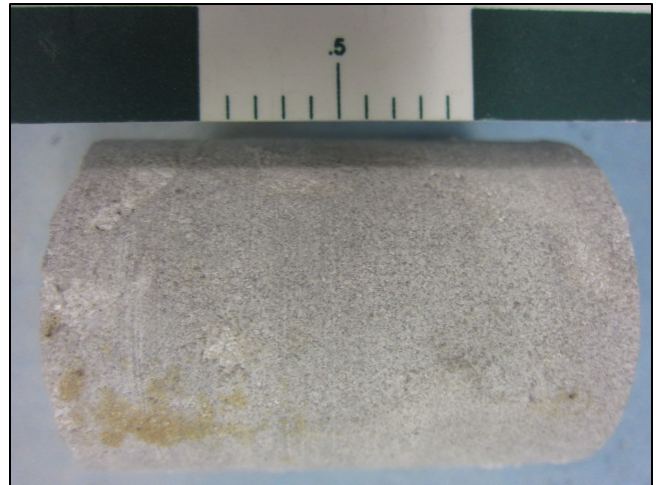
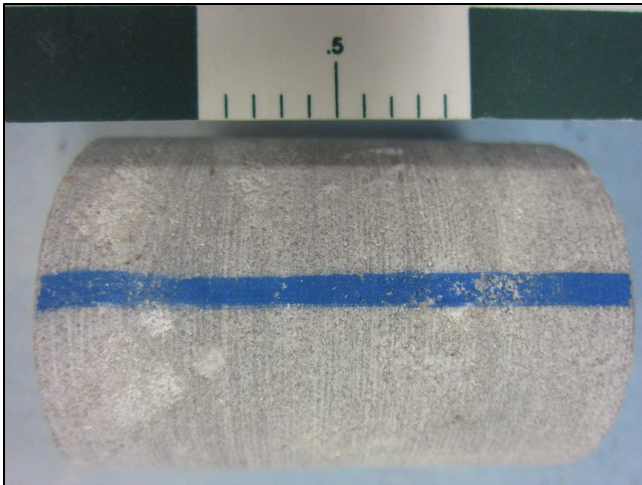
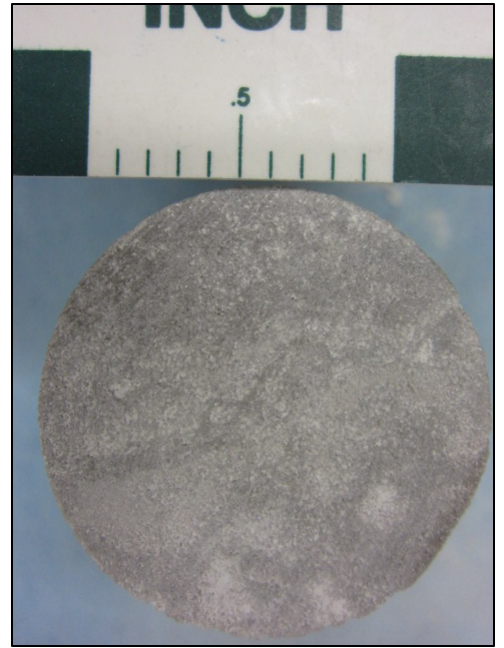
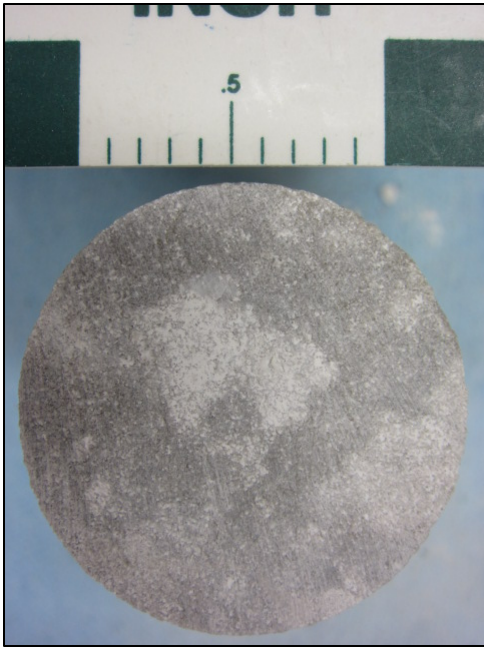
13-41
4225.7'



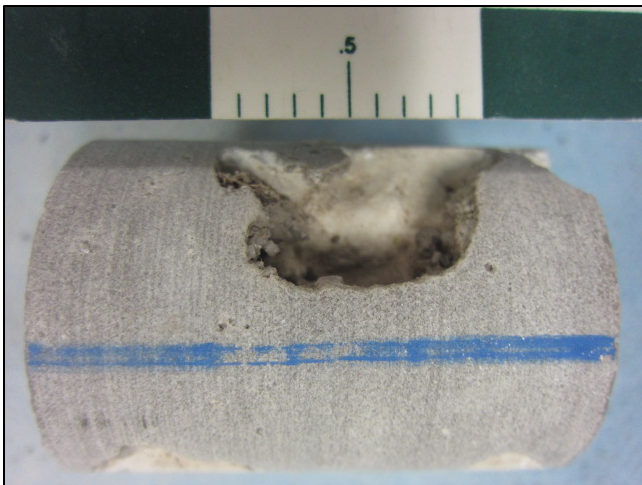
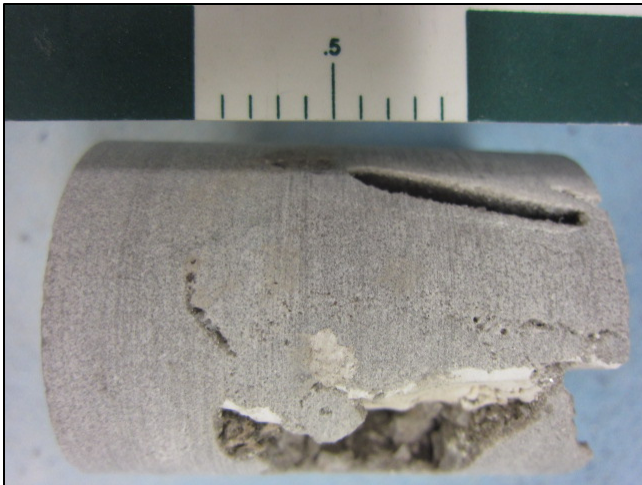
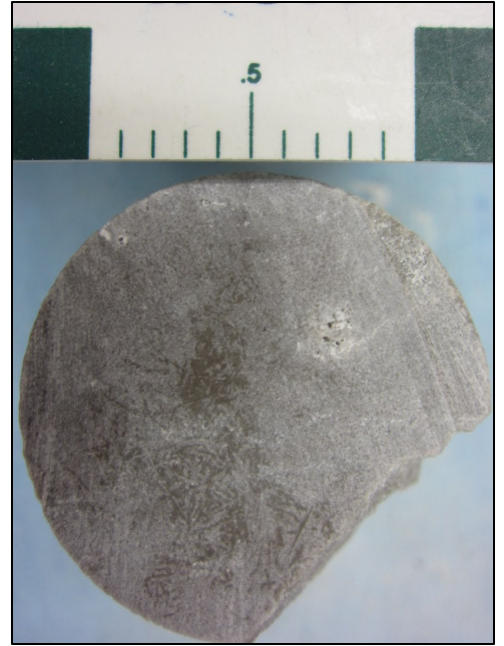
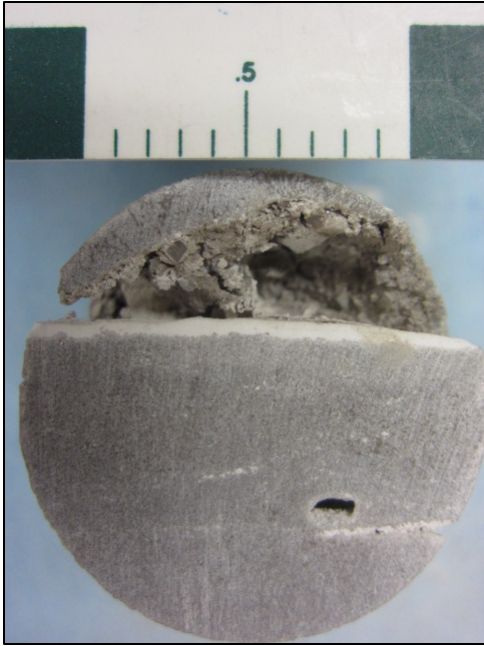
13-46
4230.3'



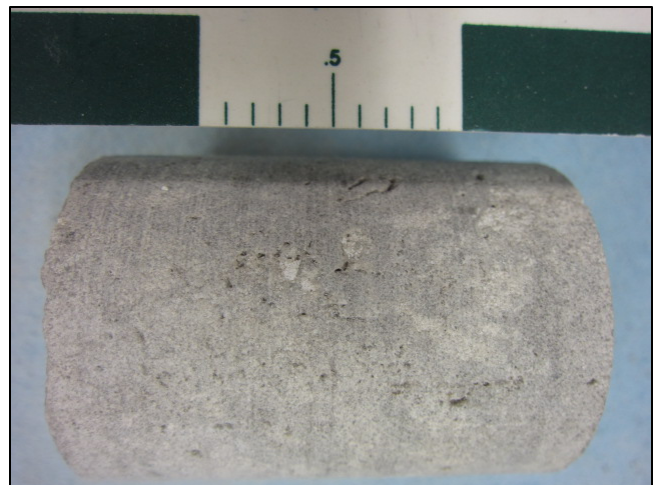
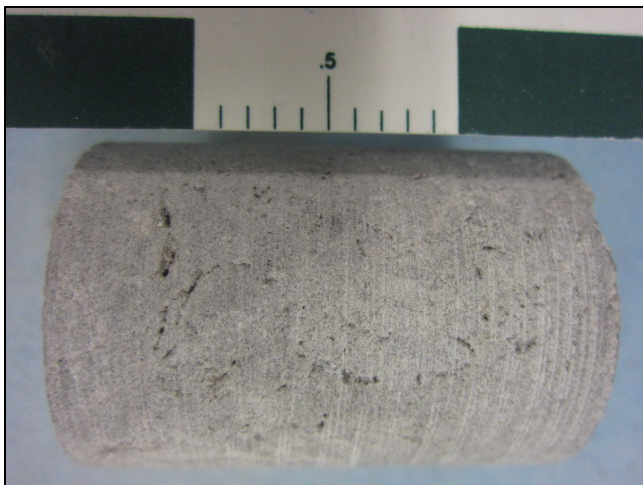
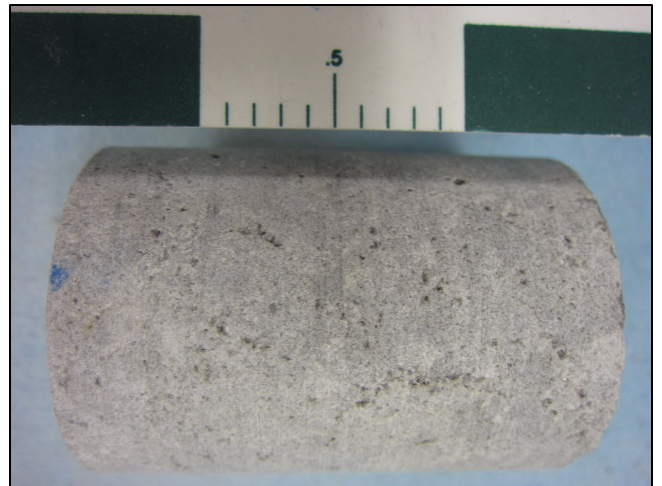
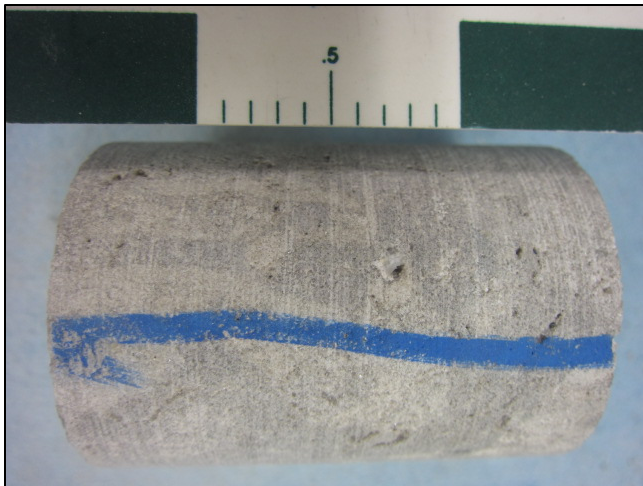
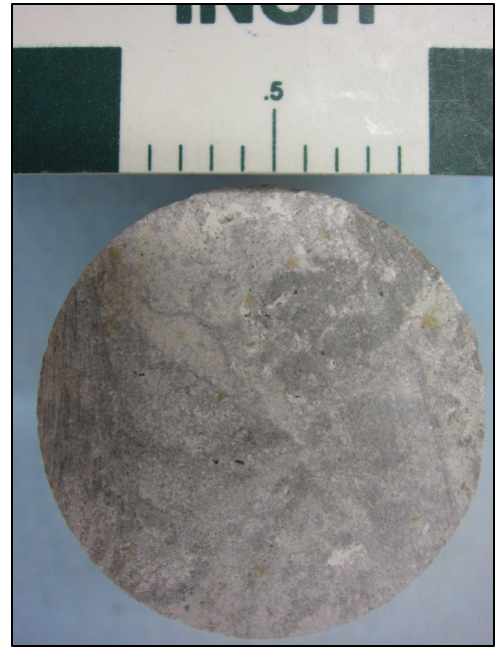
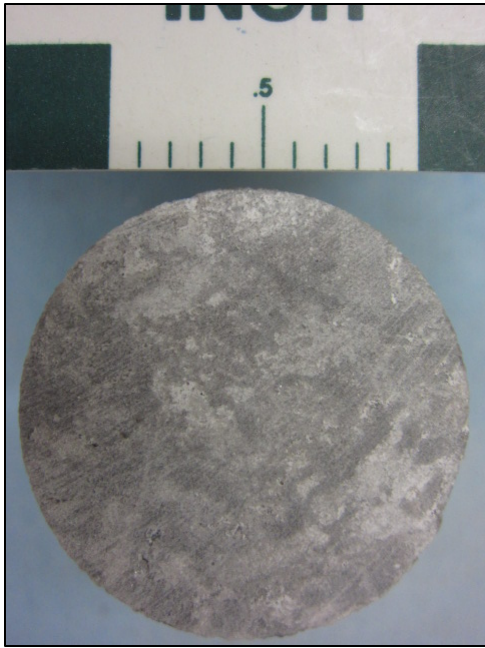
13-51
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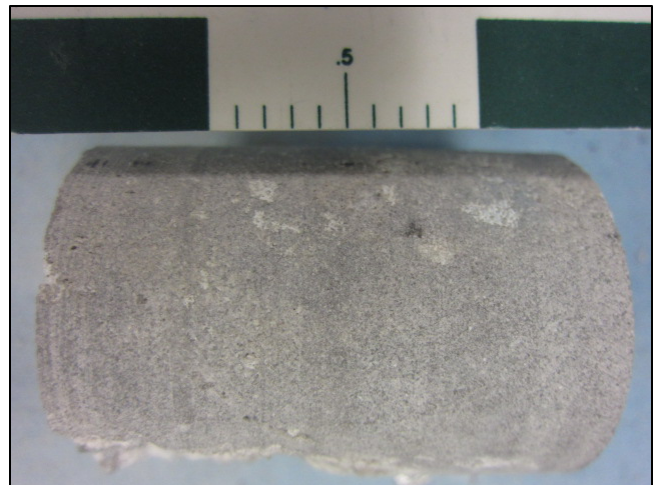
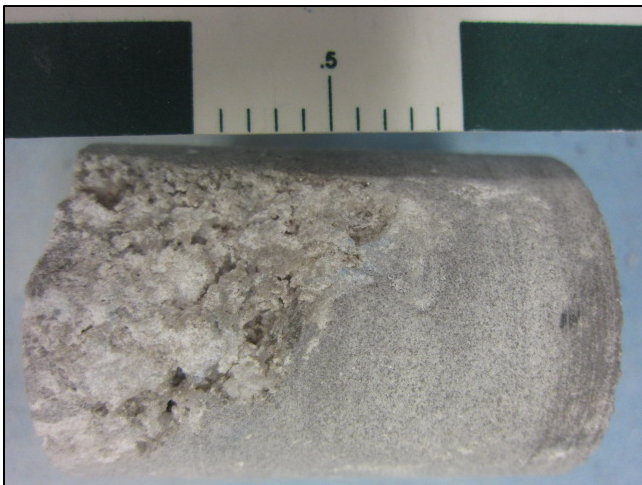
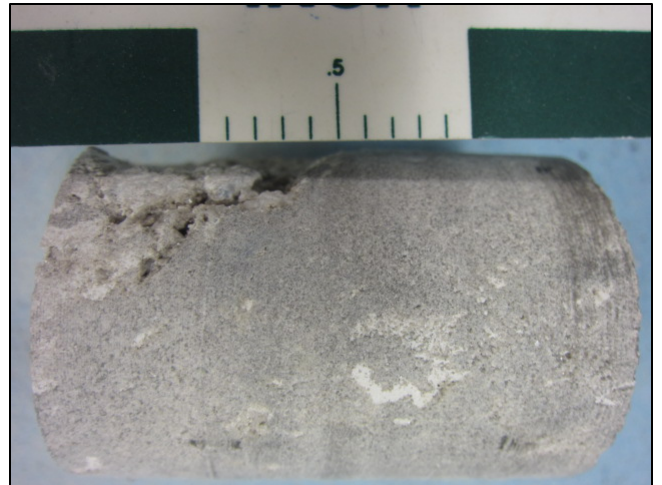
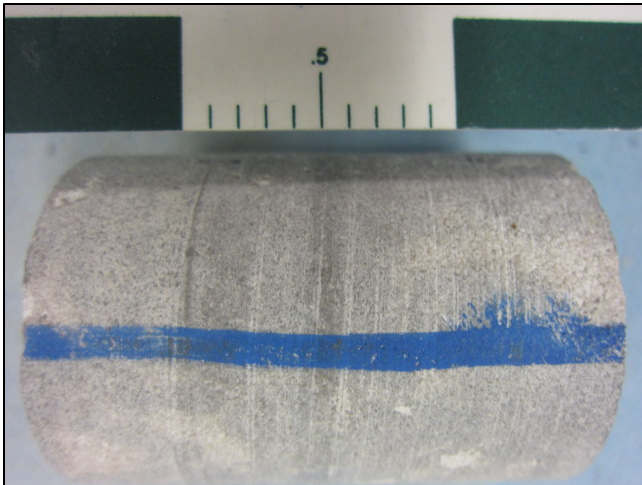
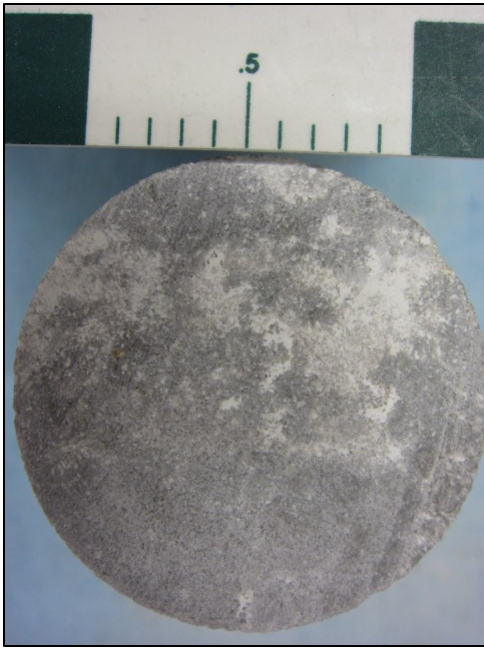
13-59
4243.0'



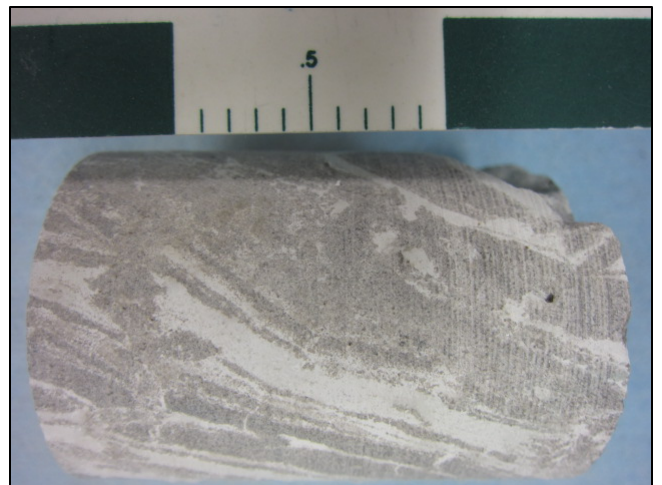
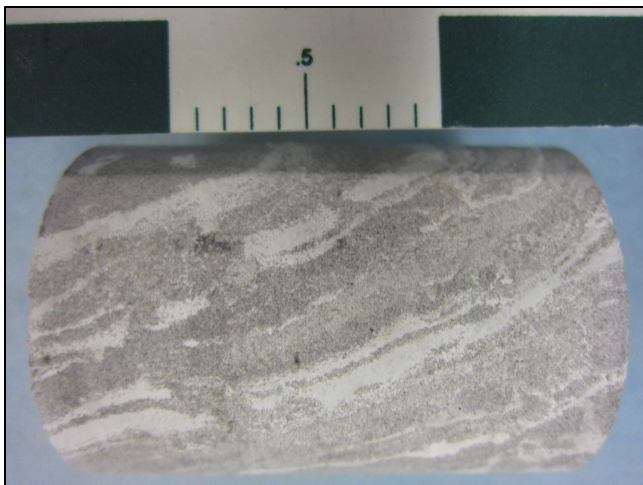
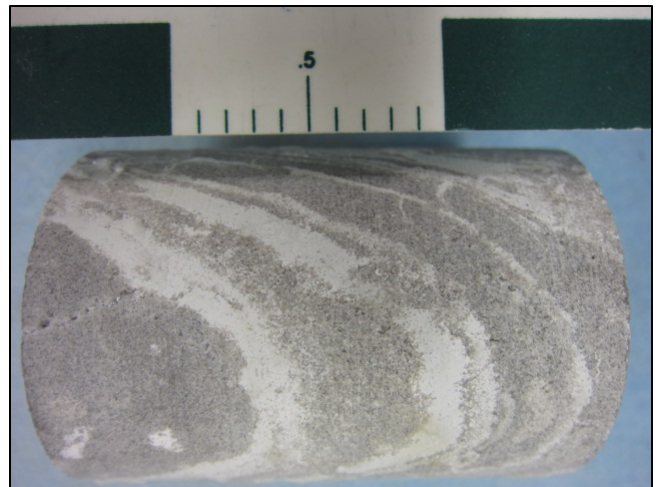
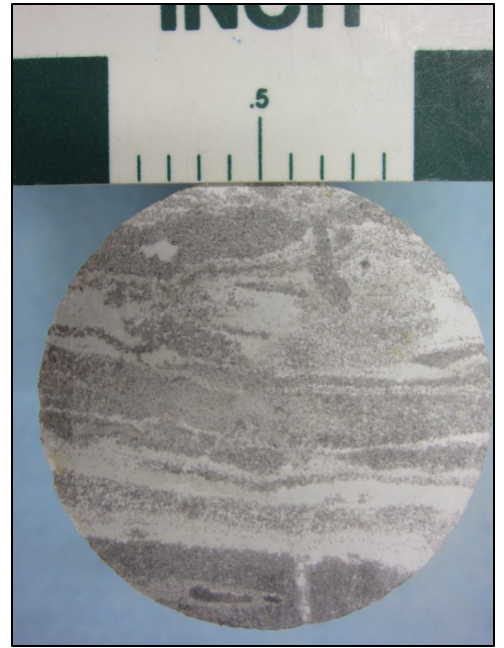
14-4
4247.0'



14-9
4252.5'



14-19
4262.6'



4294

4297

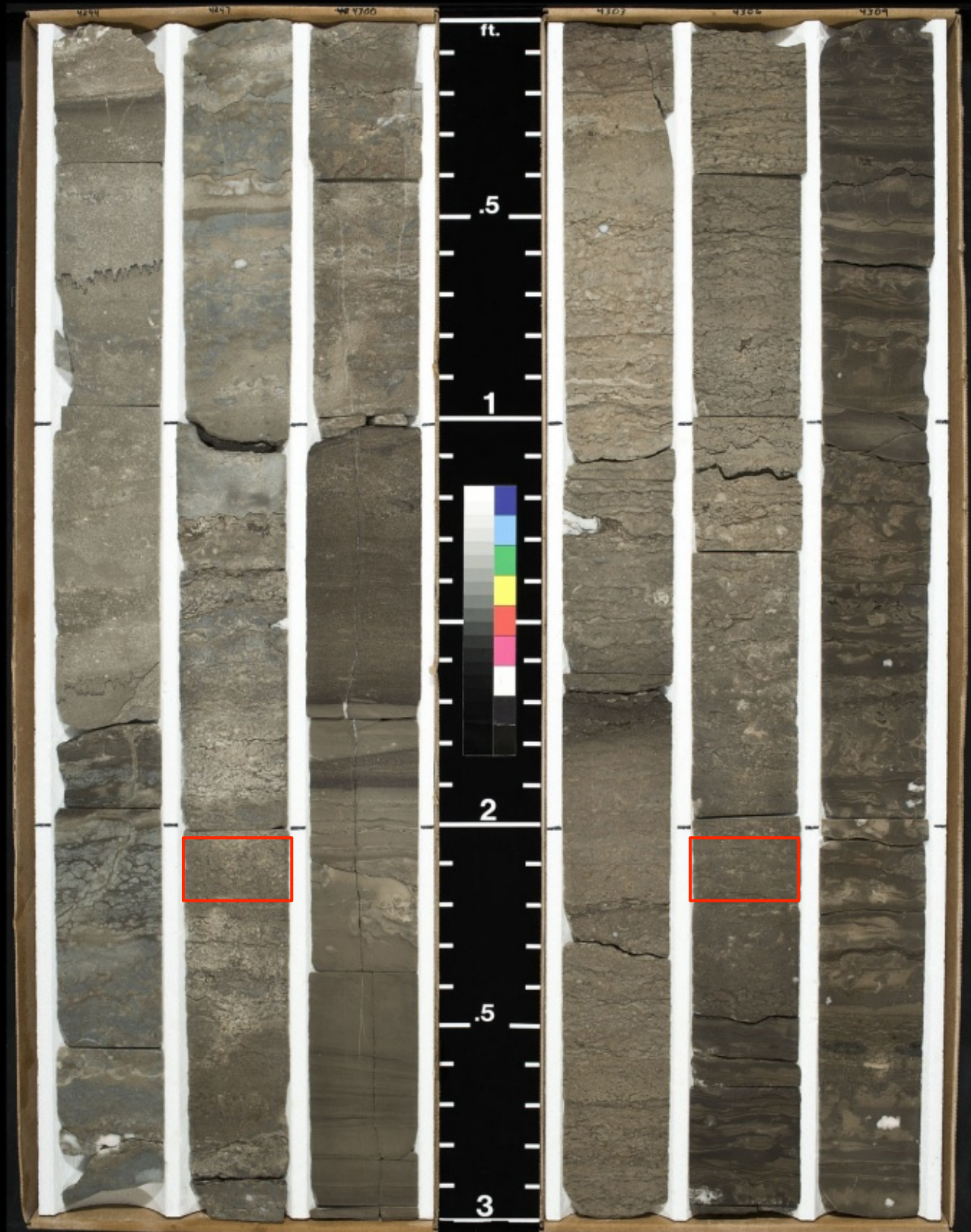
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CORE 16

4303

4306

4309



4312

4315

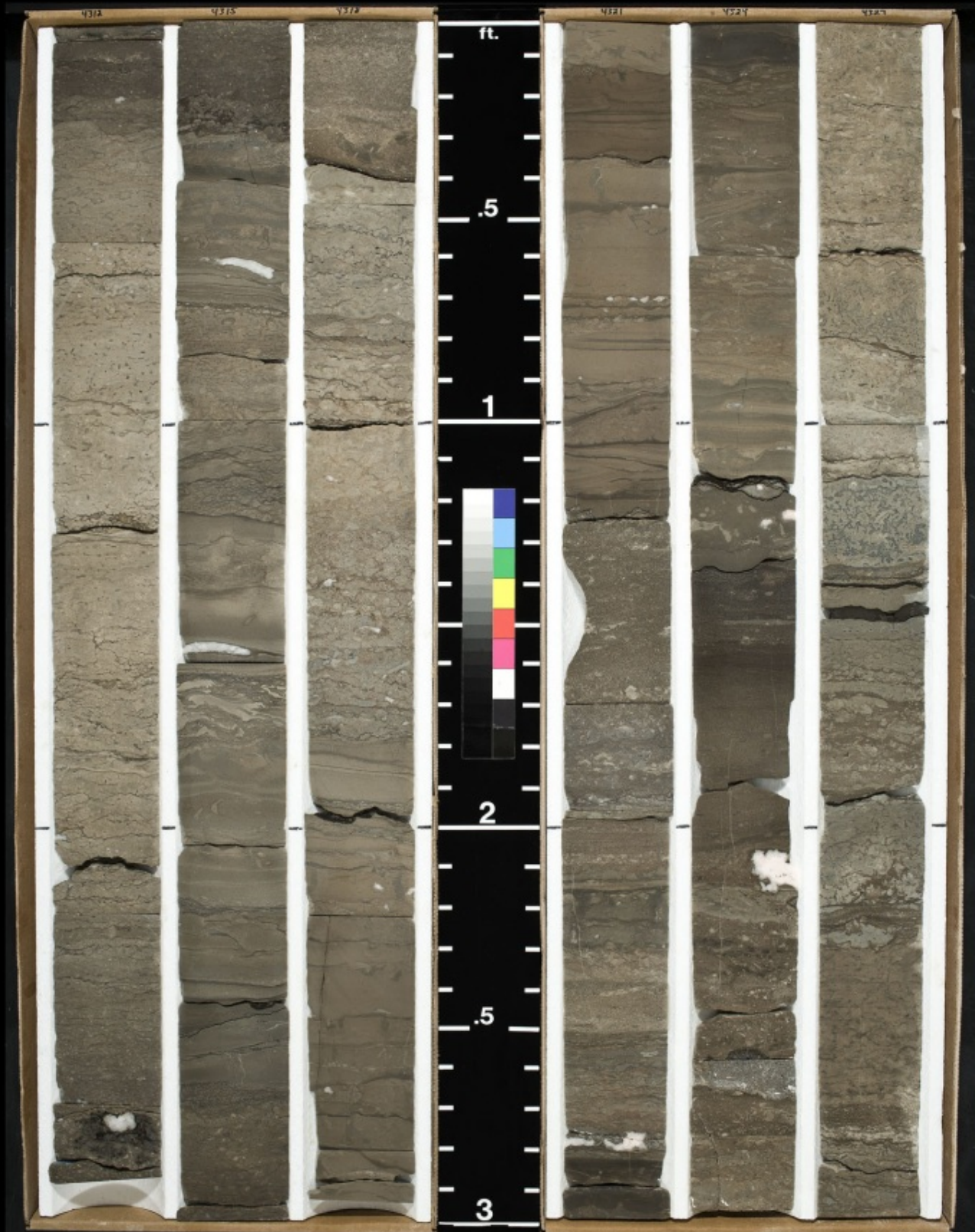
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CORE 16

4321

4324

4327



4330

4333

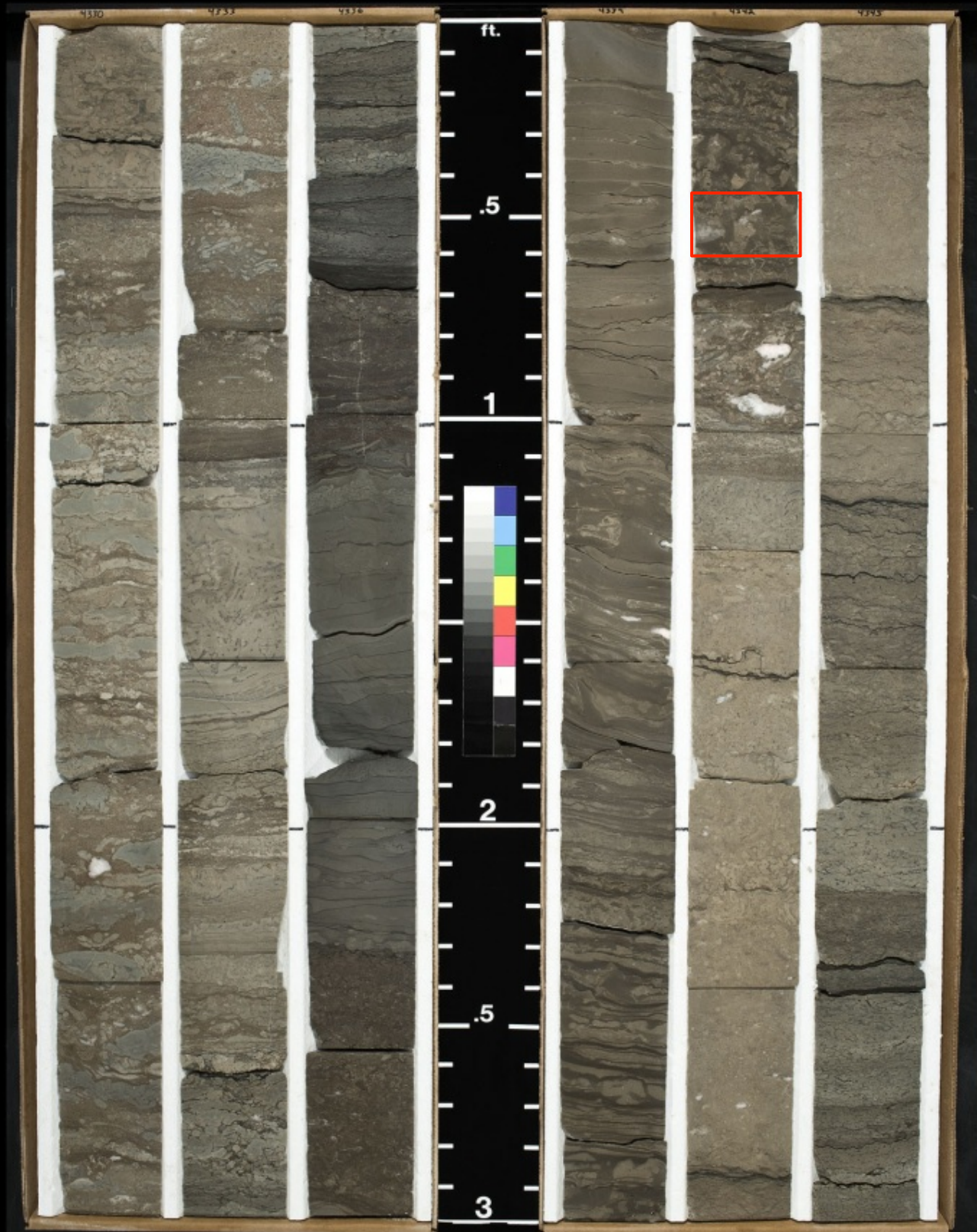
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CORE 16

4339

4342

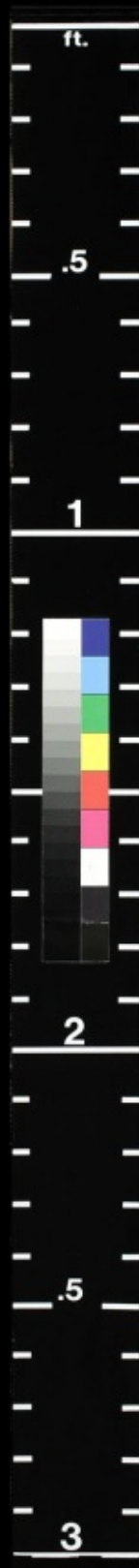
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4348

4351

CORE 16



4353

4356

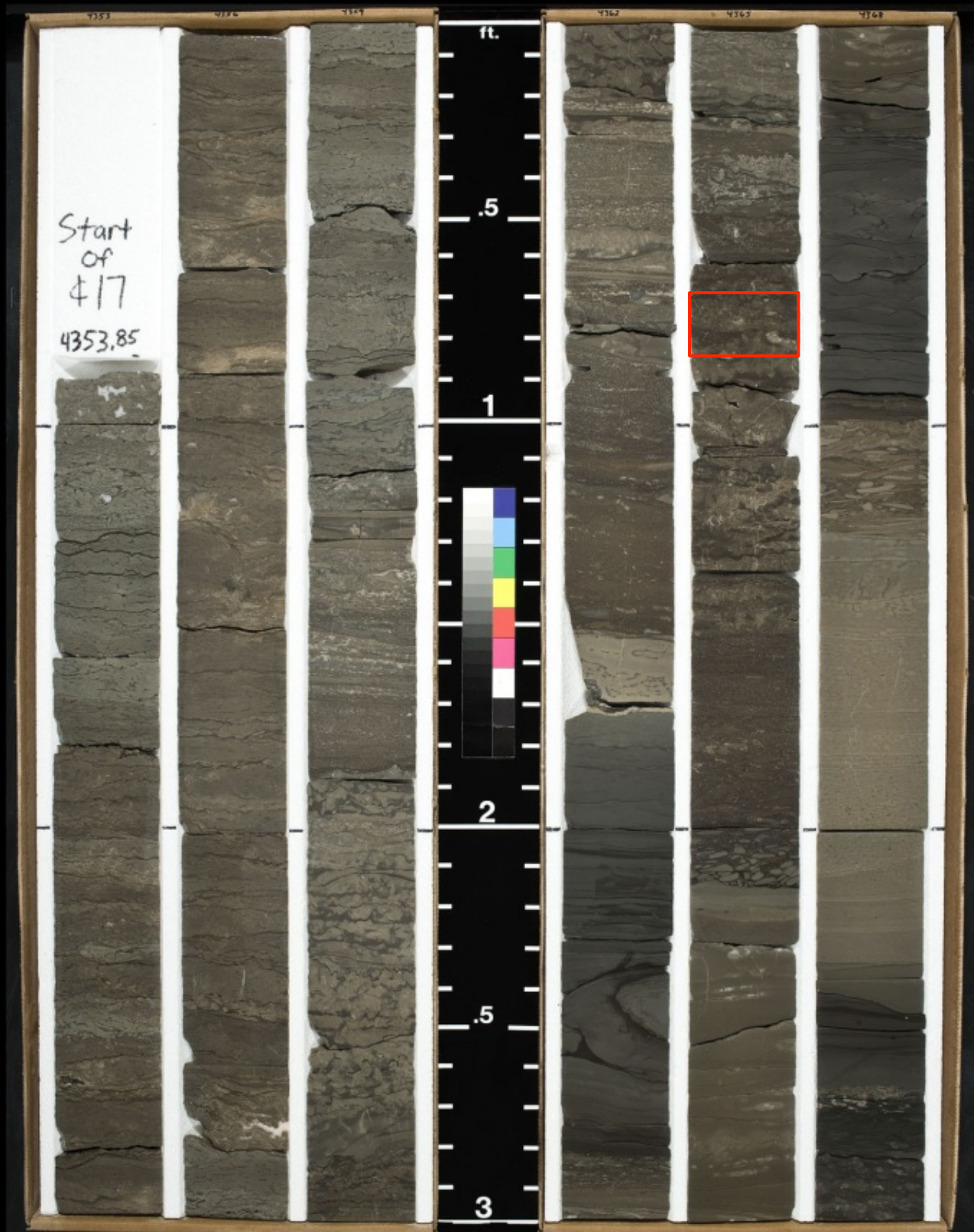
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CORE 17

4362

4365

4368



4371

4374

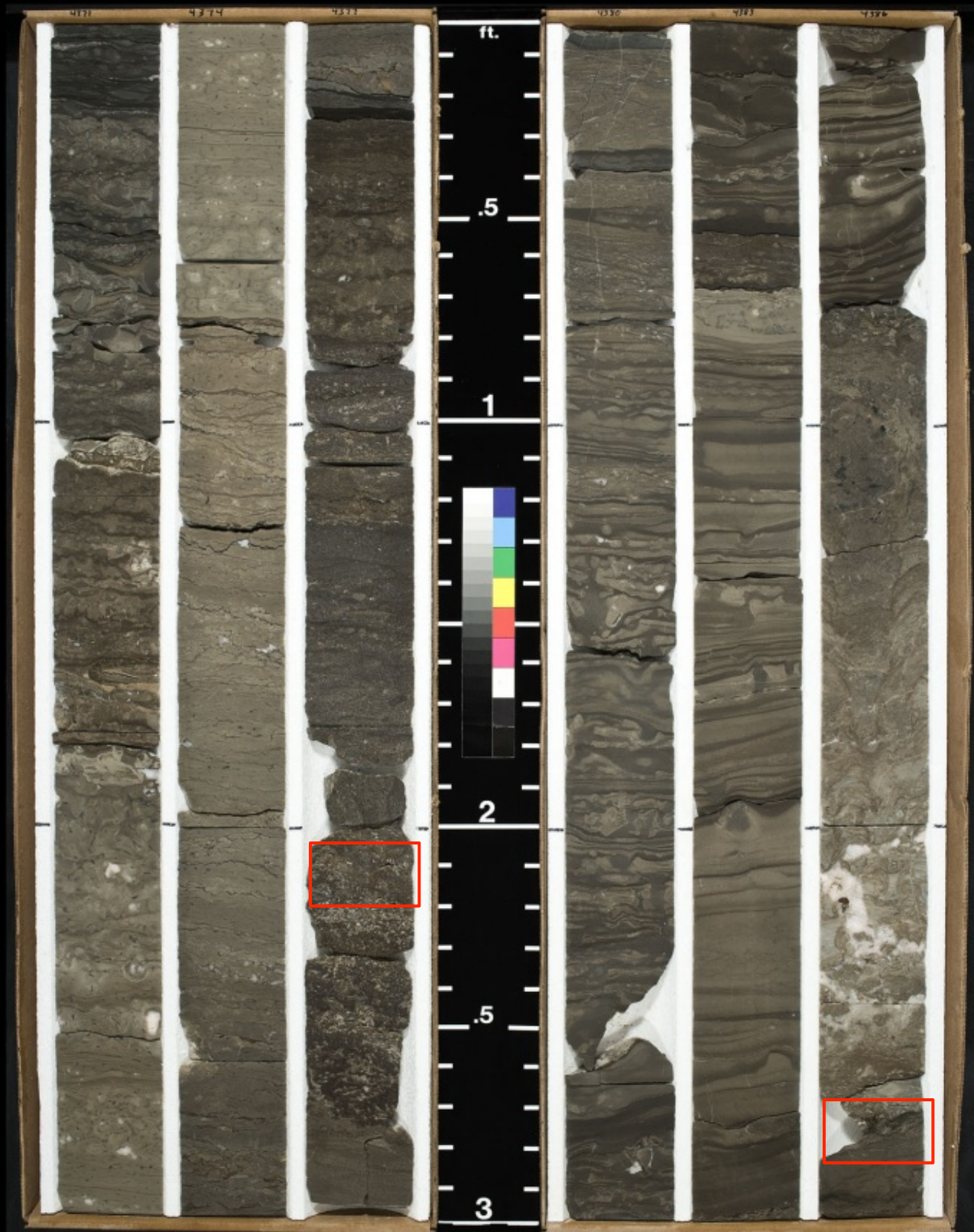
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CORE 17

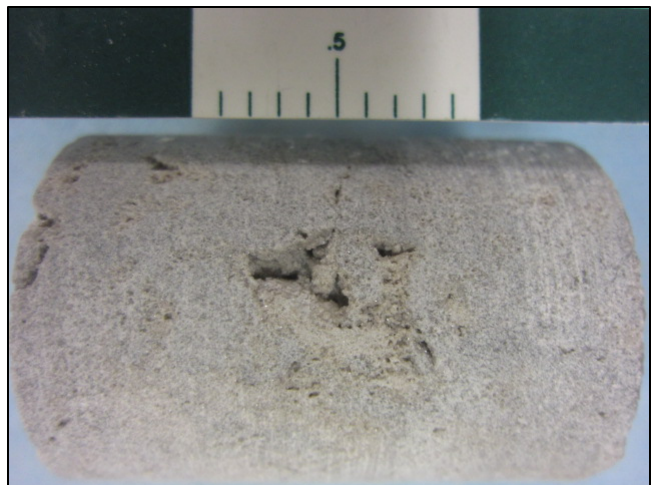
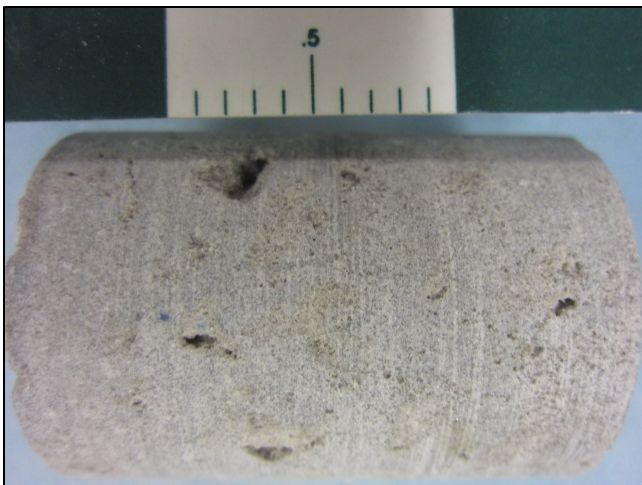
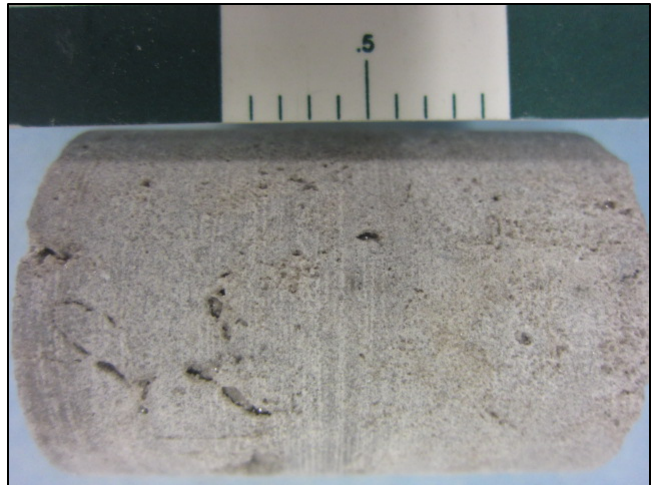
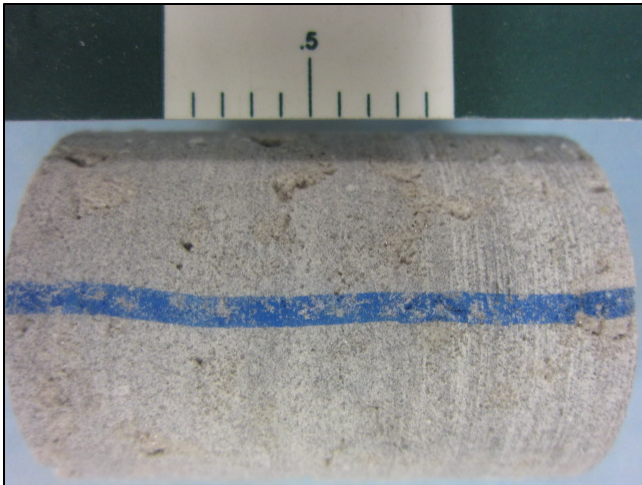
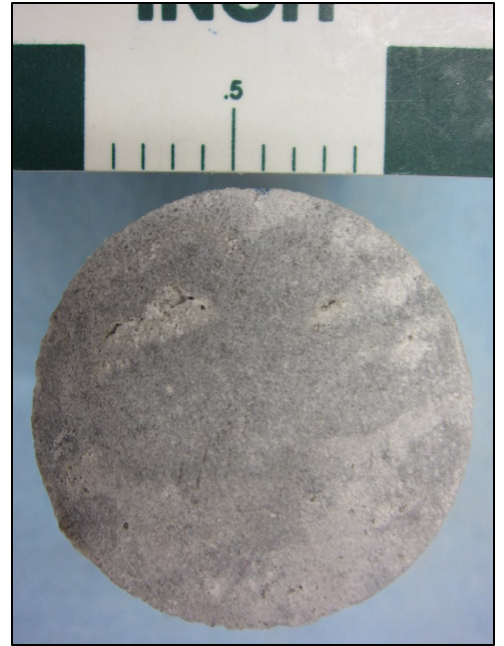
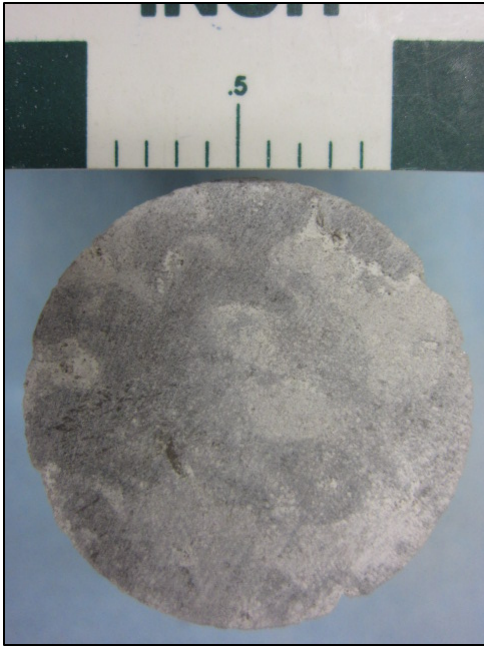
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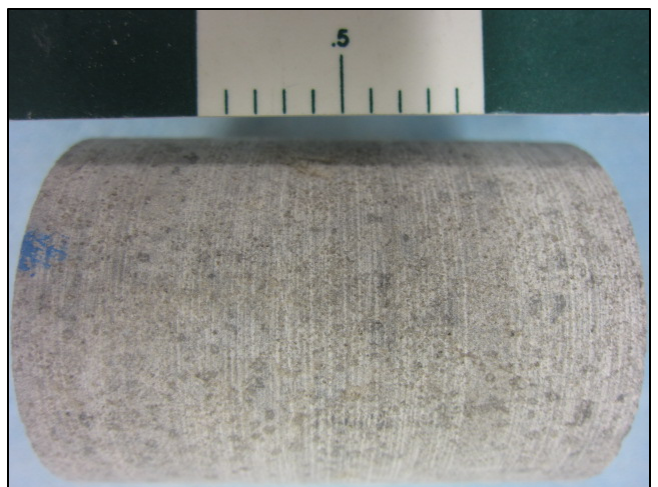
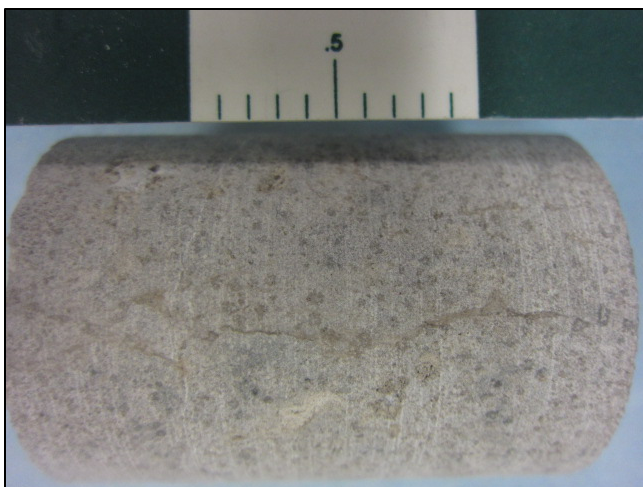
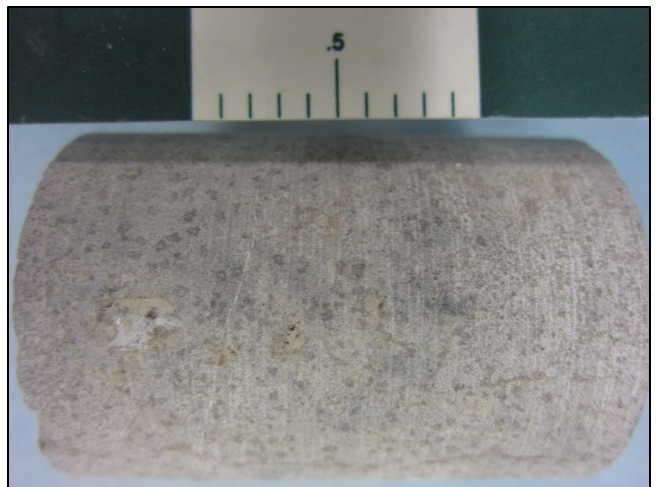
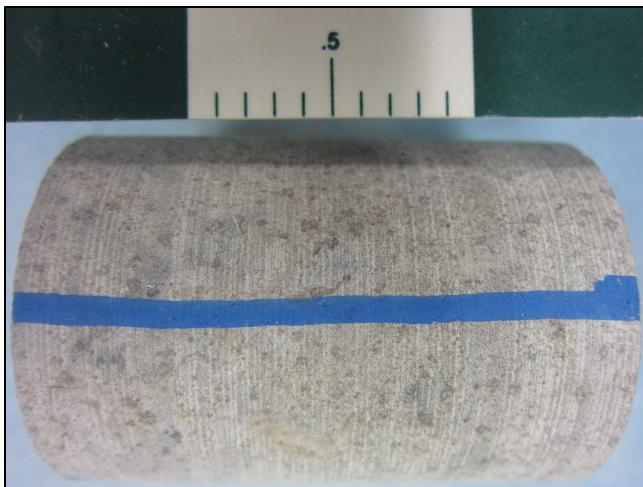
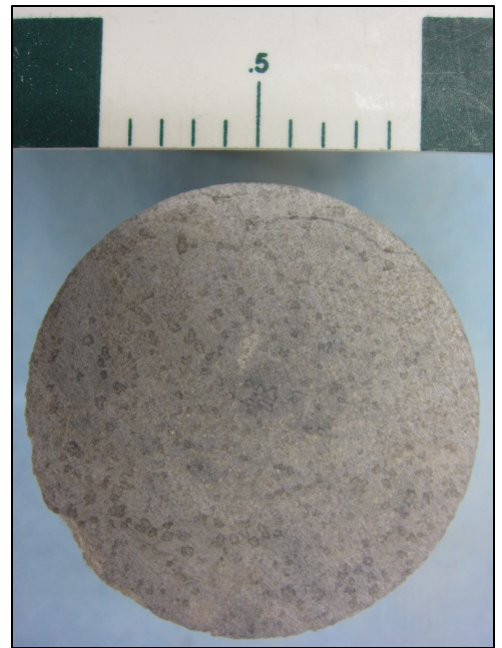
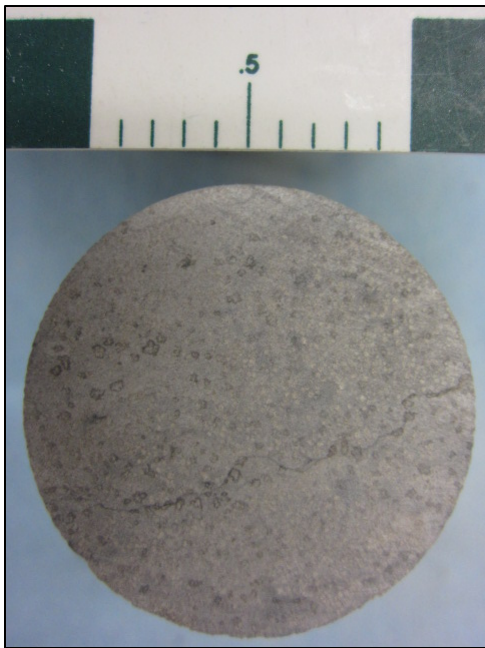
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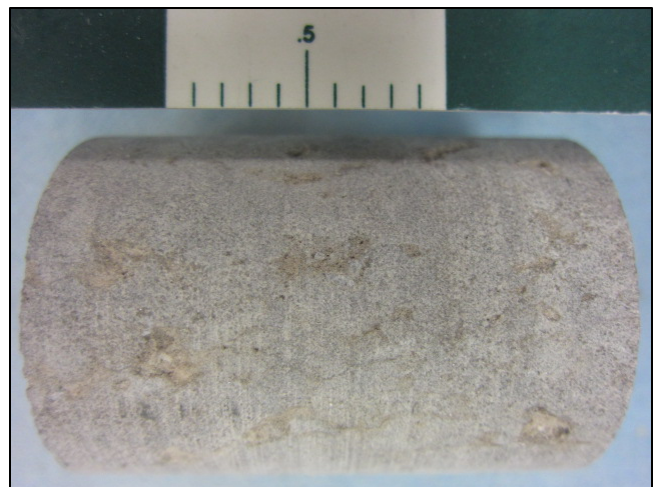
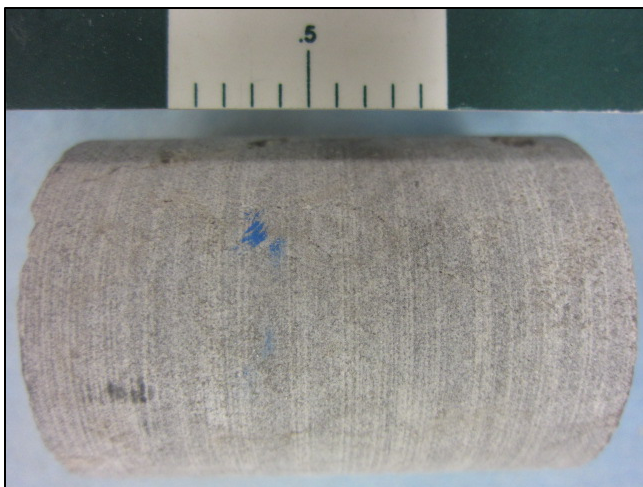
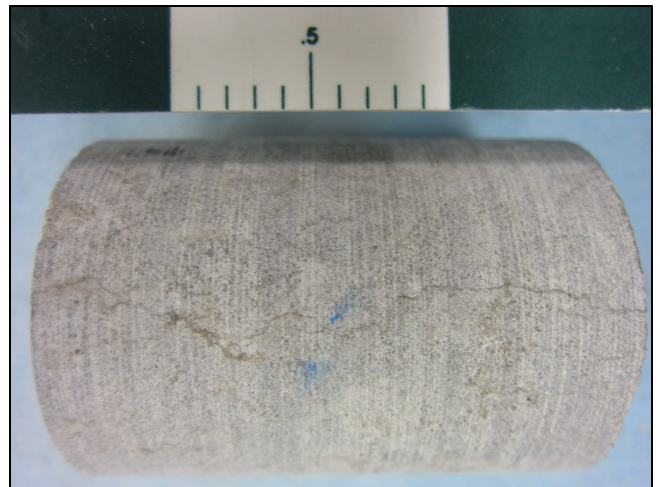
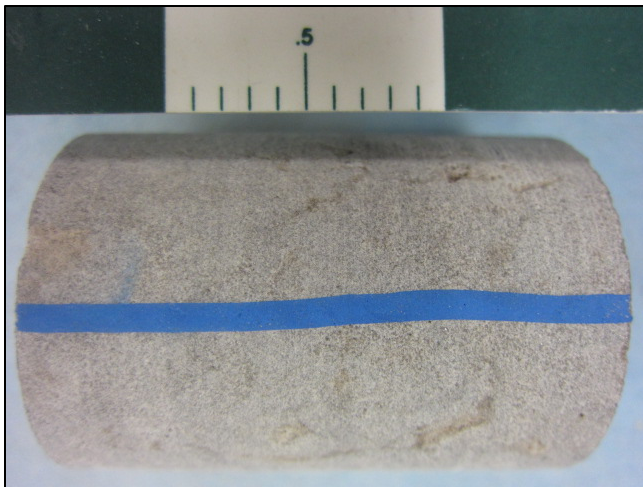
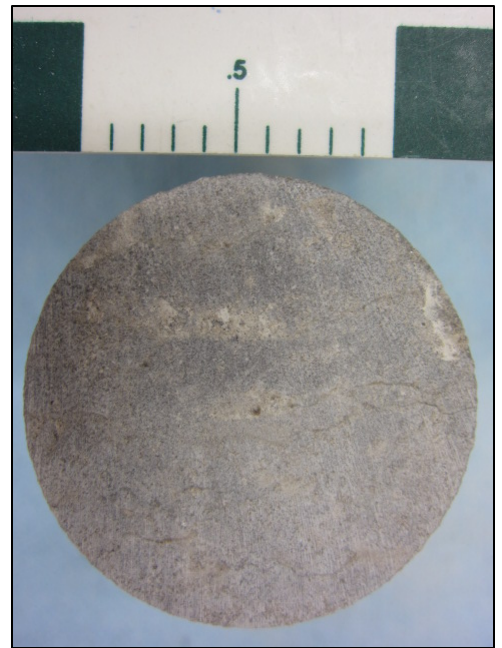
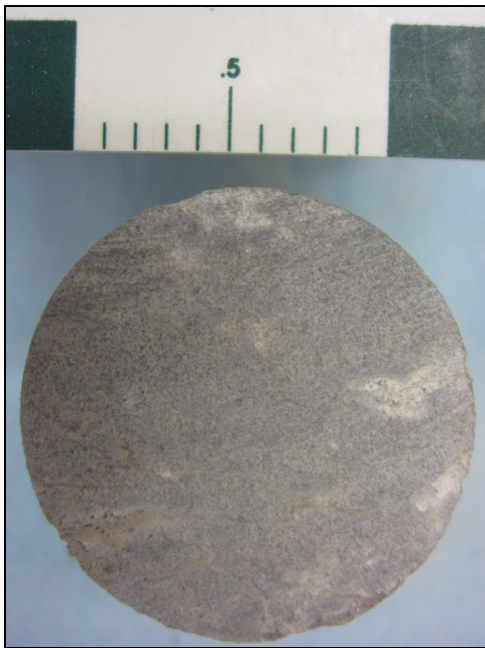
15-14
4280.4'



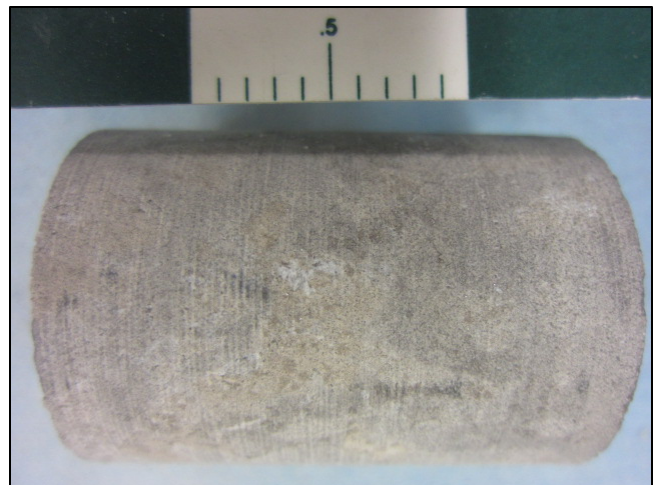
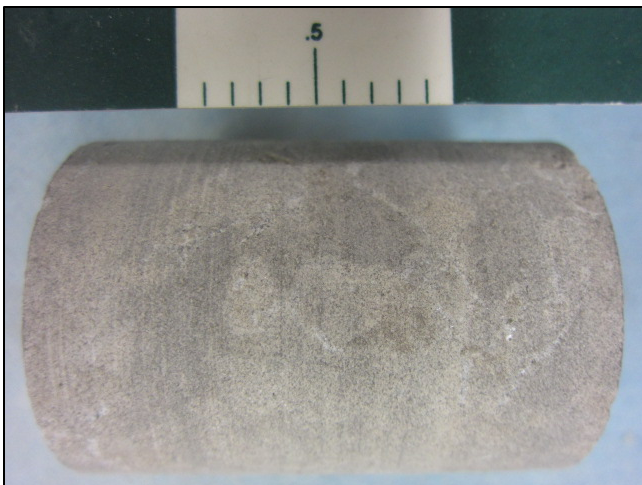
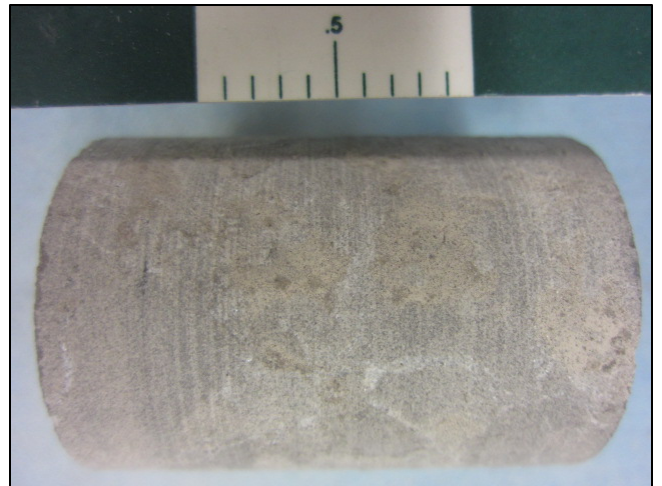
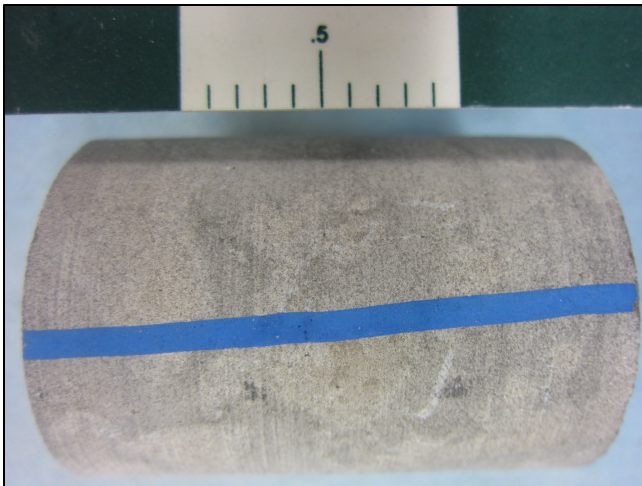
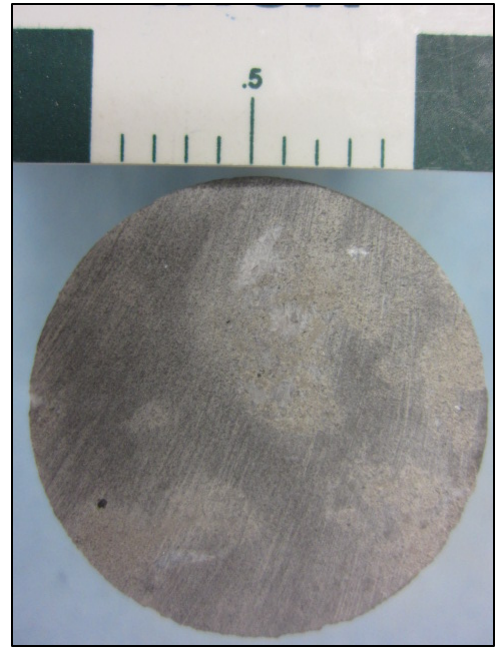
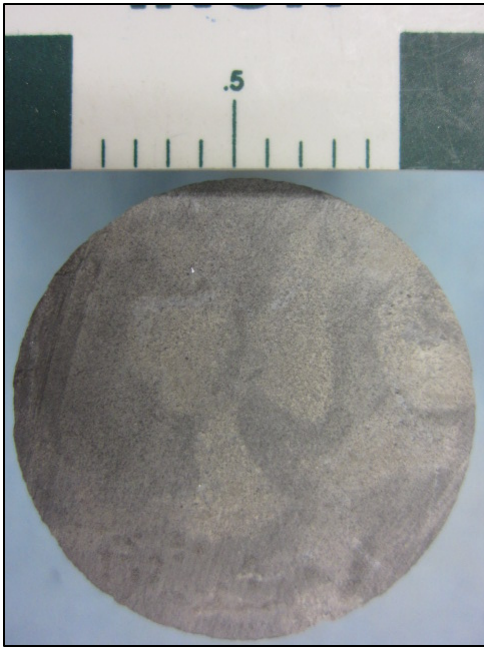
16-6
4299.1'



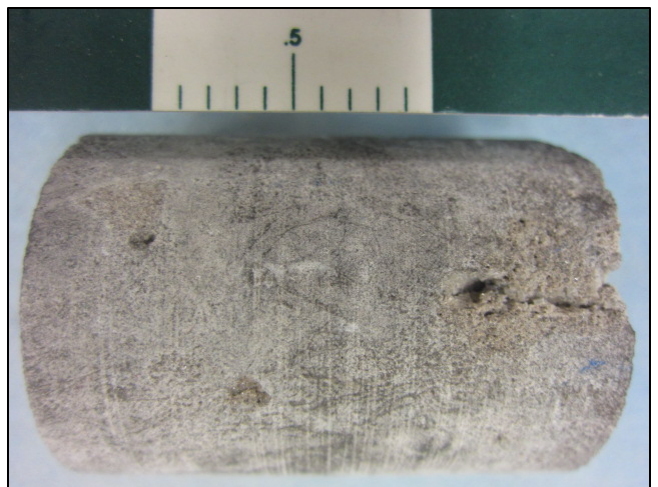
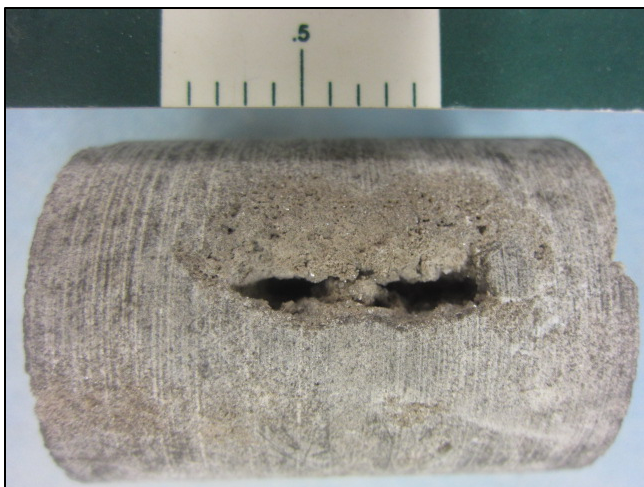
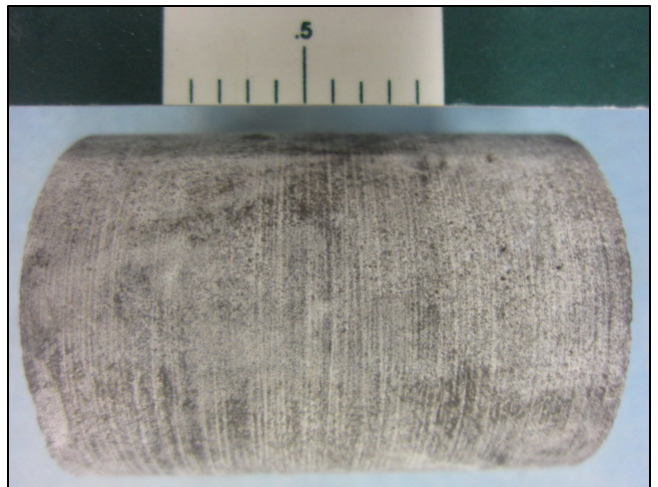
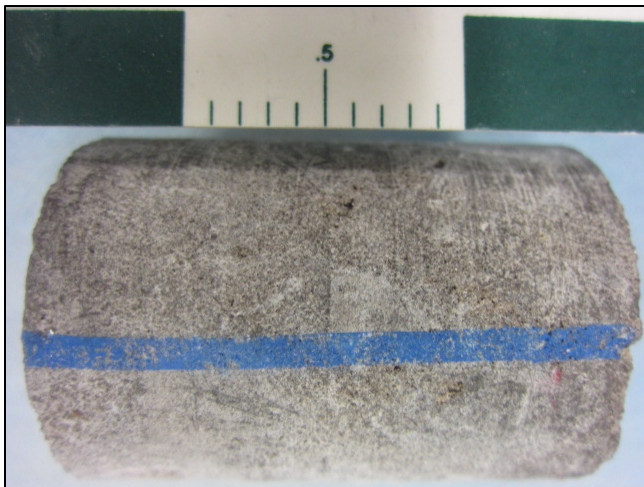
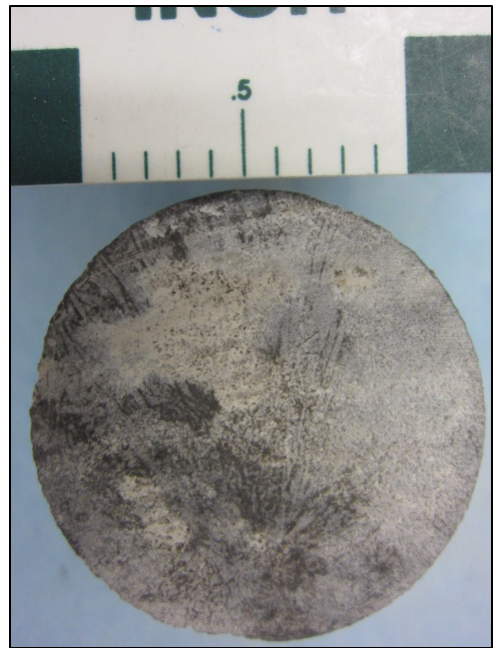
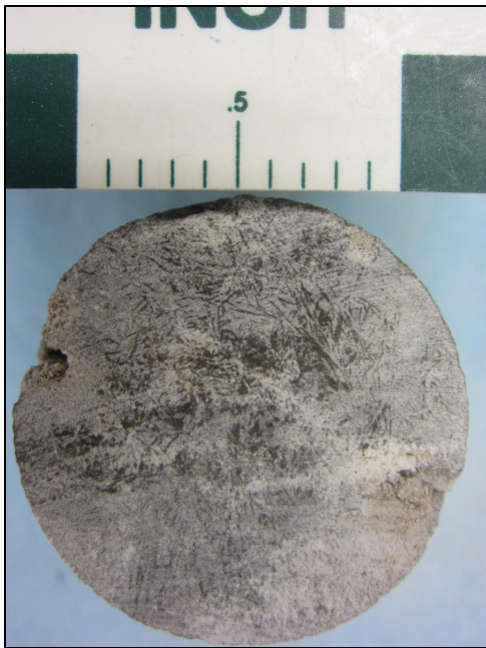
16-15
4308.1'



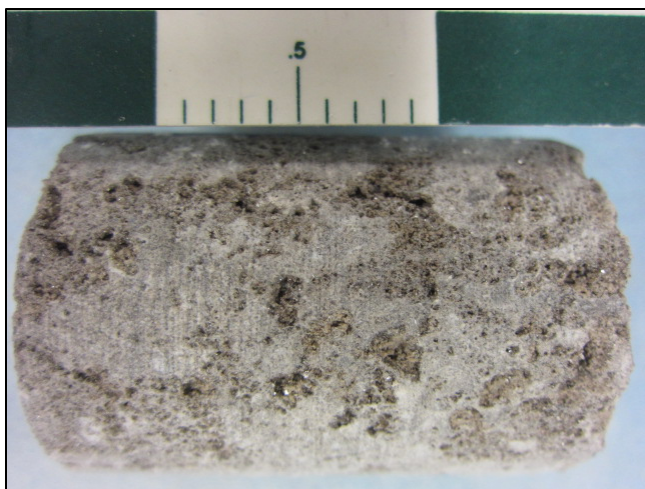
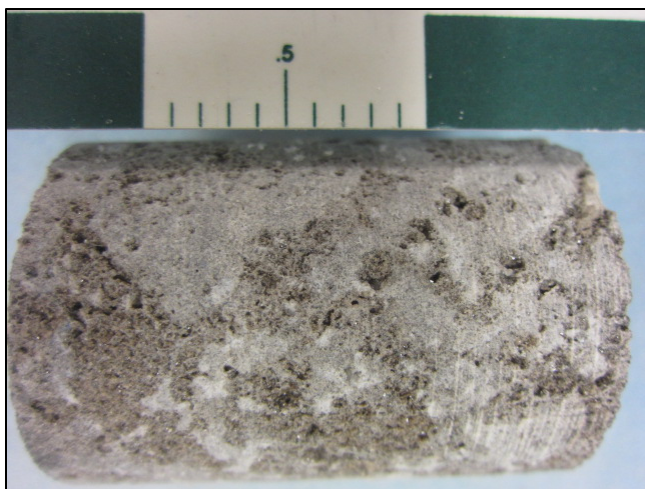
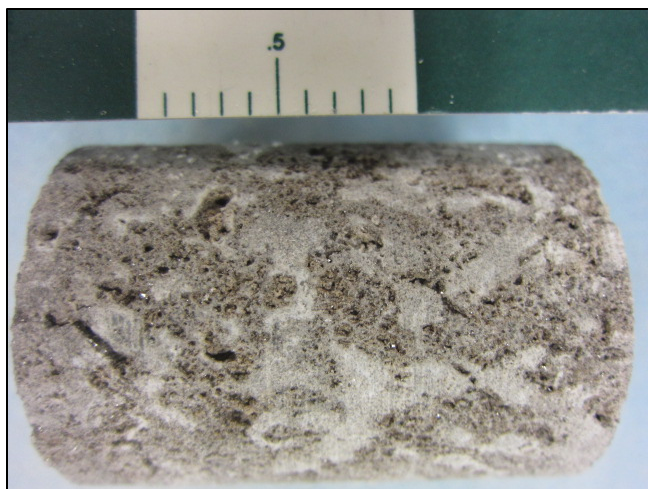
16-49
4342.5'

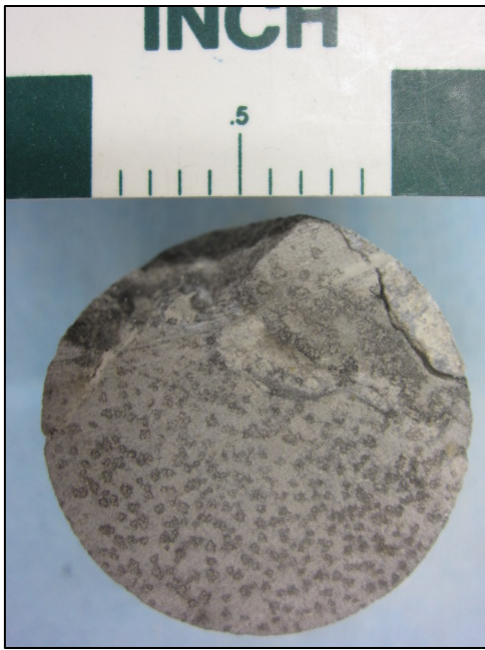


17-13
4365.8'

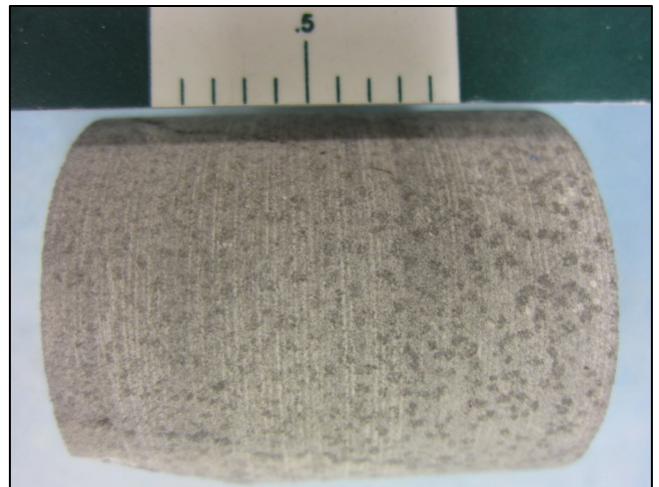
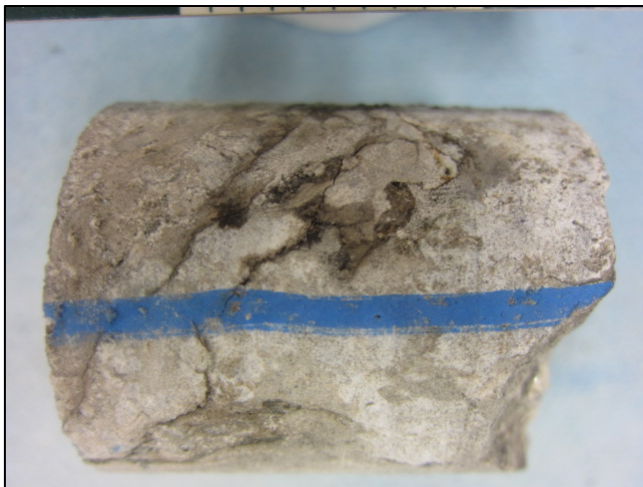


17-27
4379.1'



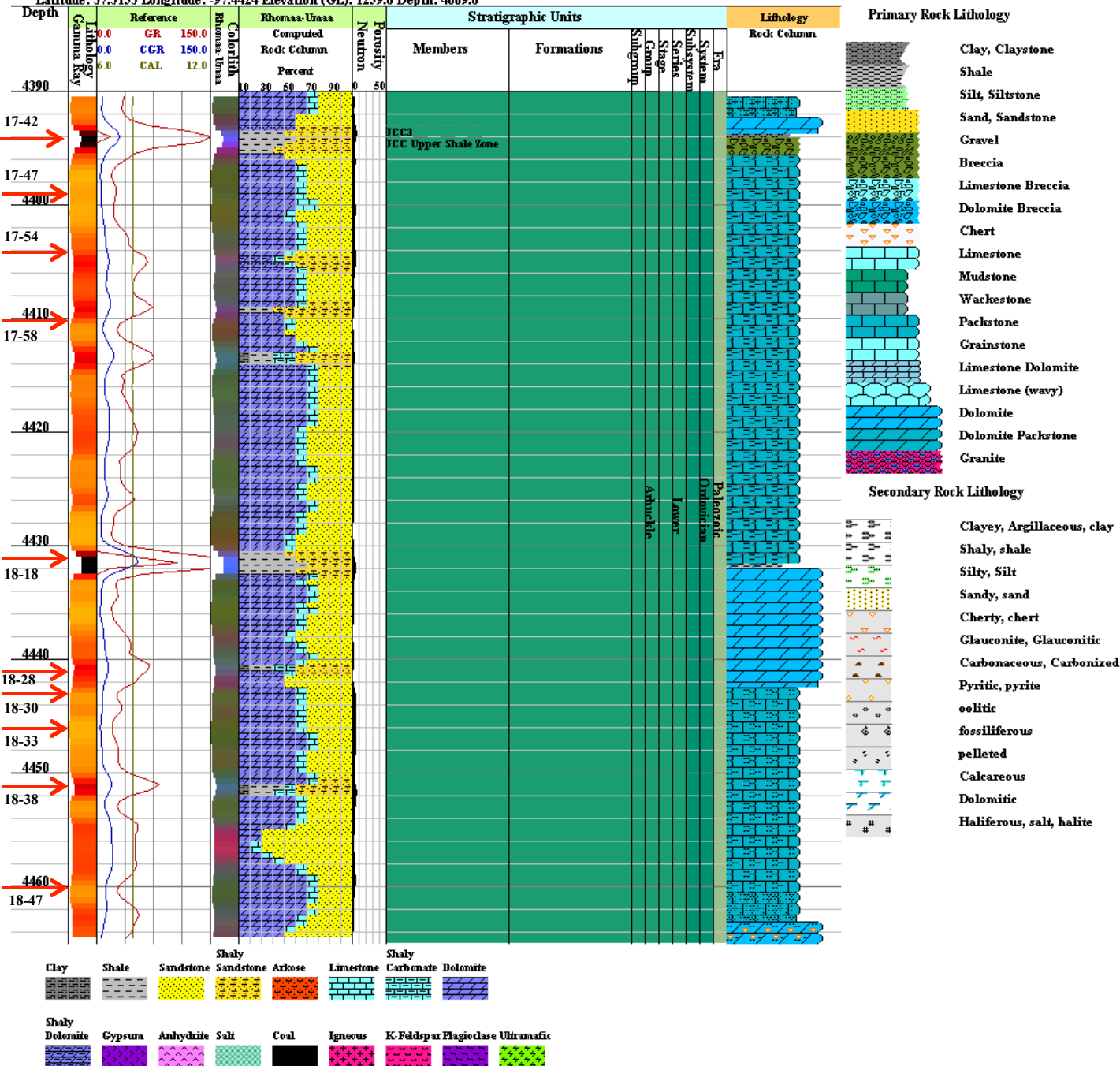


17-36
4388.8'



Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32

Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



4389

4392

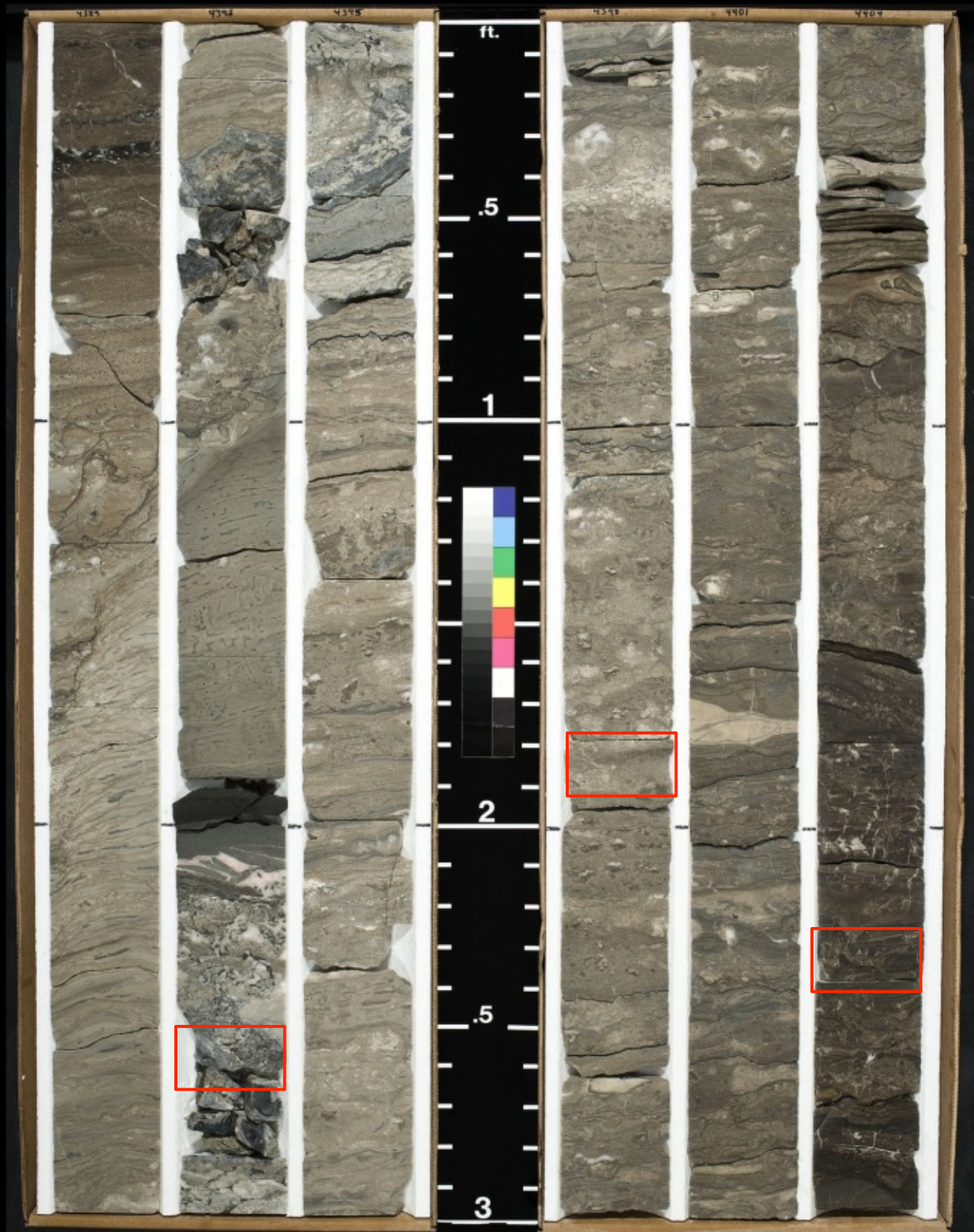
4395

CORE 17

4398

4401

4404



4407

4410

4413

CORE 17





Weatherford
LABORATORIES

Kansas Geological Survey
Wellington - KGS - No. 1-32 Well
Sumner County, Kansas

HH-50406

4414

4417

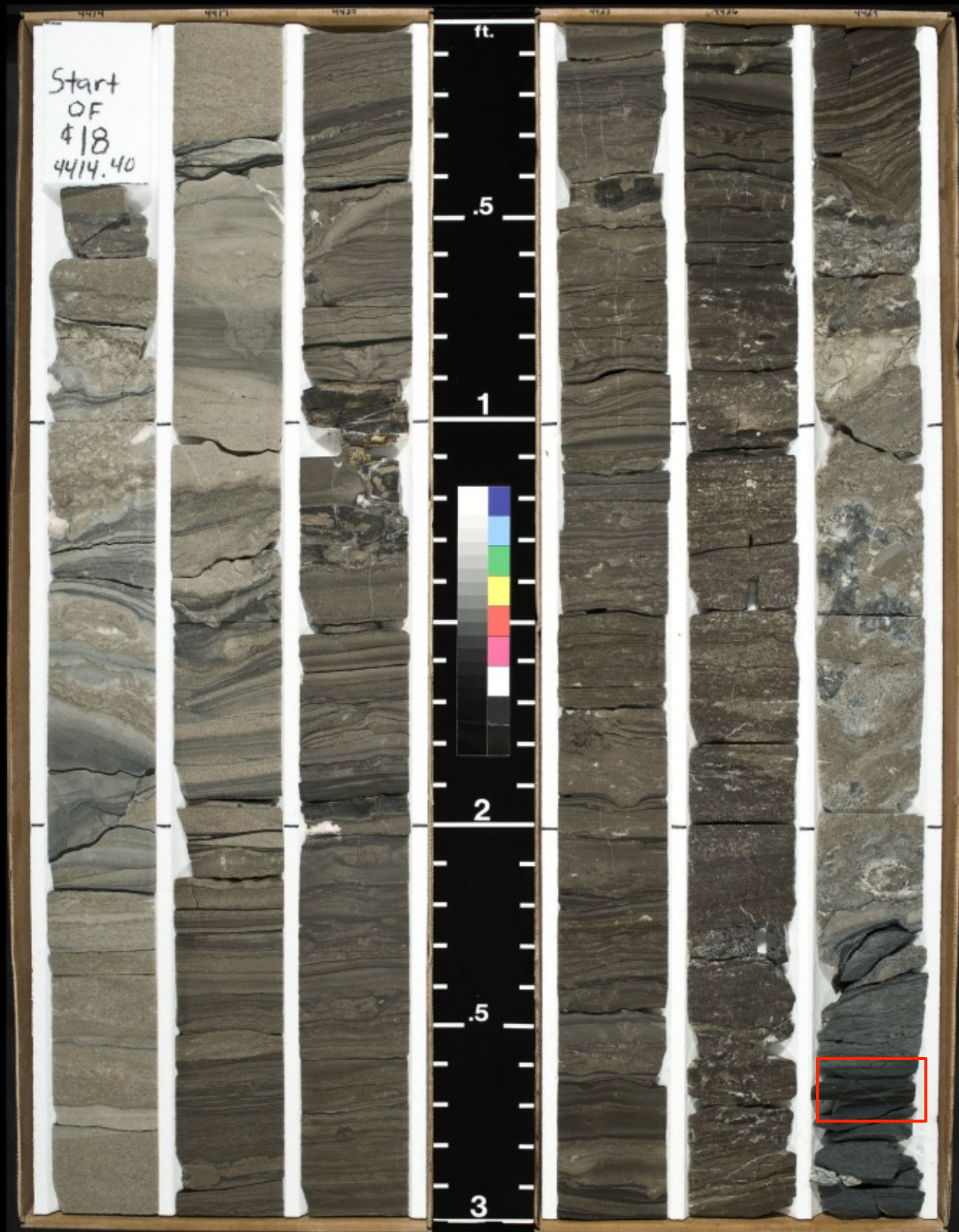
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CORE 18

4423

4426

4429



4432

4435

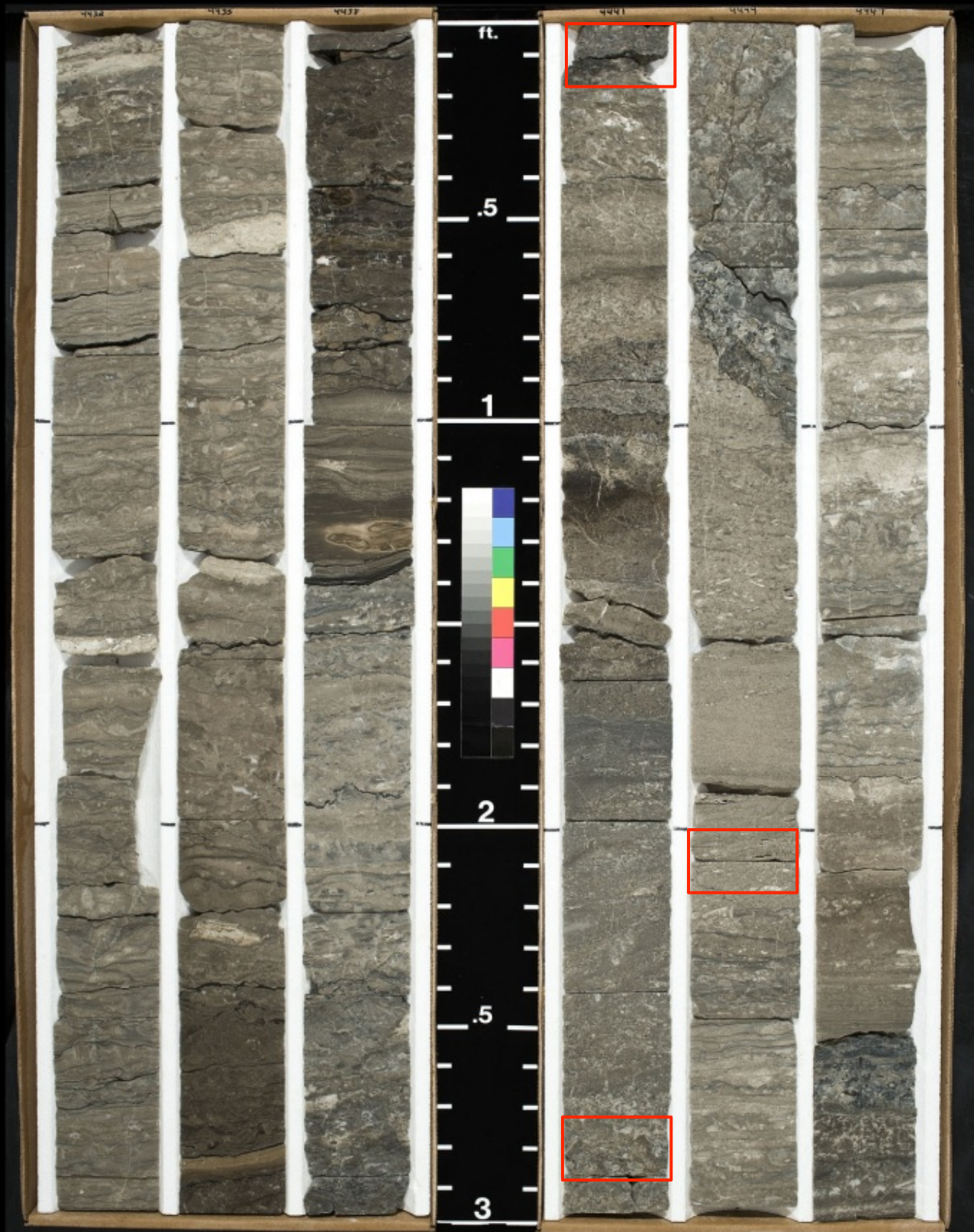
4438

CORE 18

4441

4444

4447





Weatherford
LABORATORIES

Kansas Geological Survey
Wellington - KGS - No. 1-32 Well
Sumner County, Kansas

HH-50406

4450

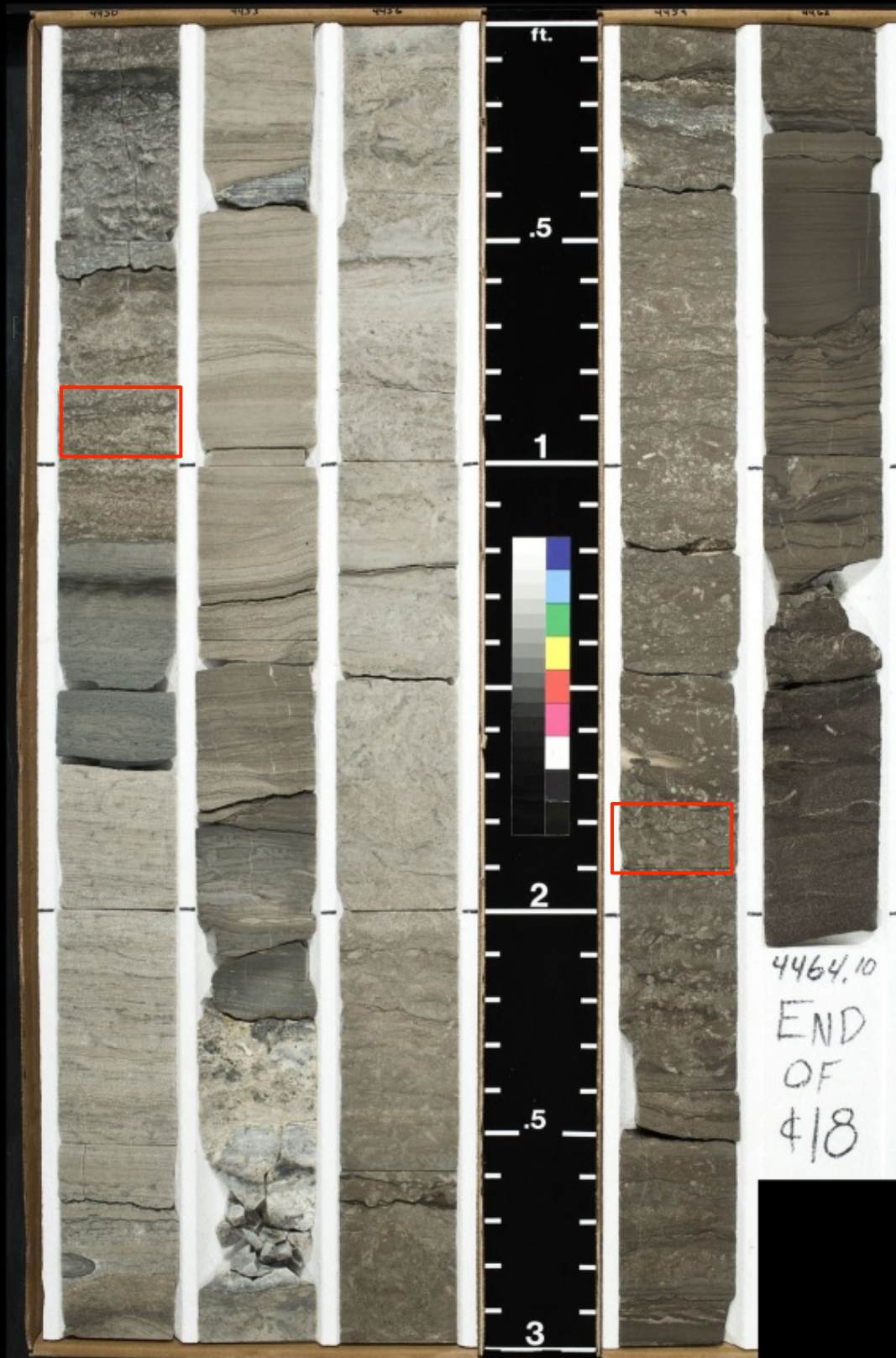
4453

4456

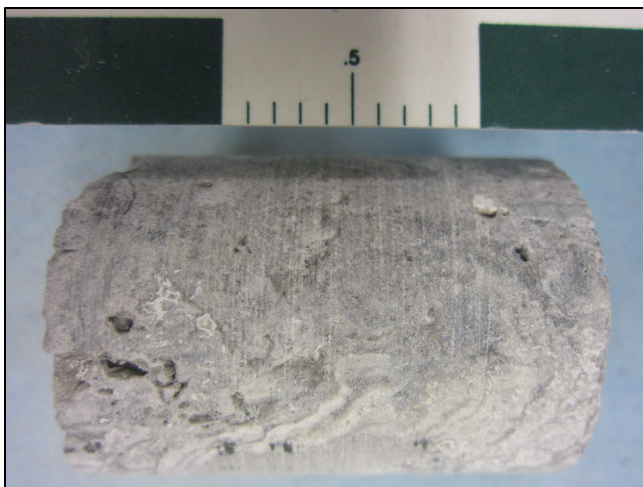
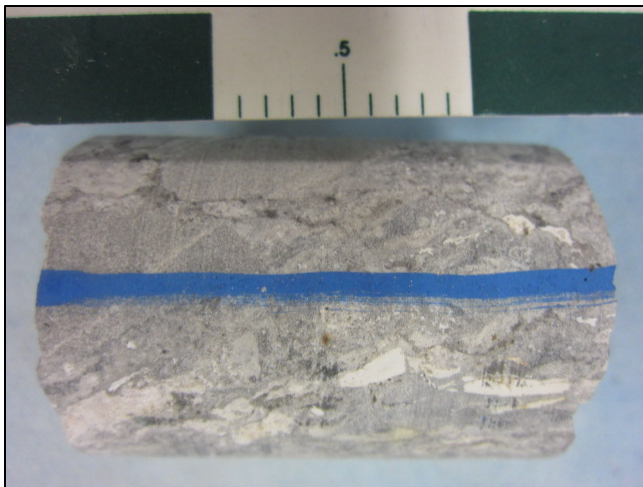
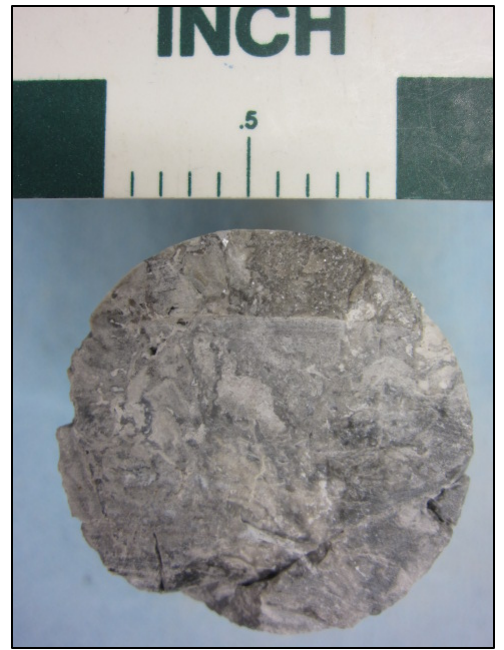
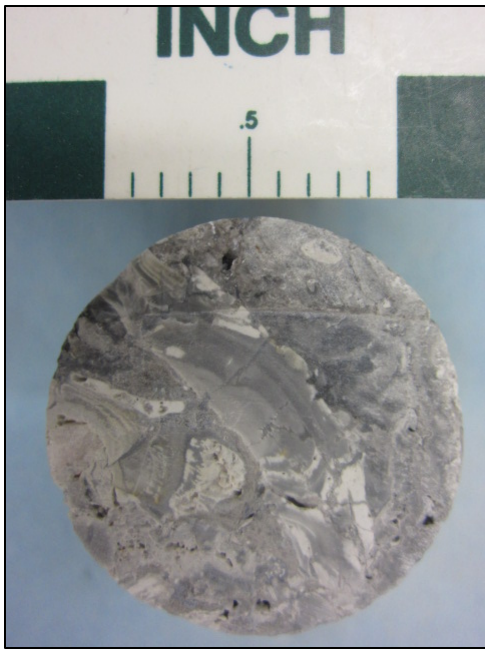
CORE 18

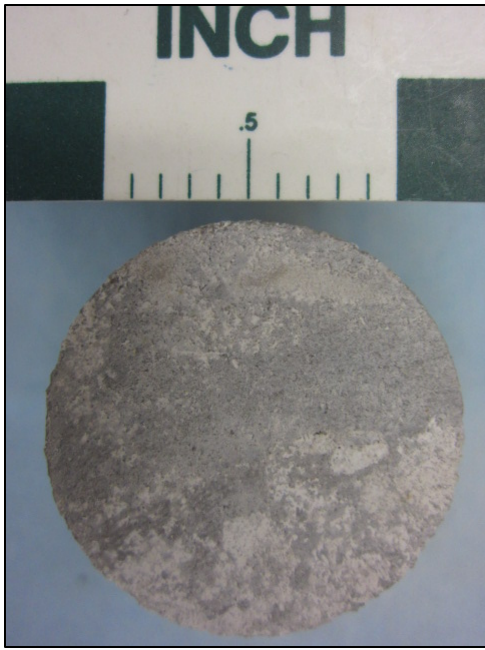
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4462

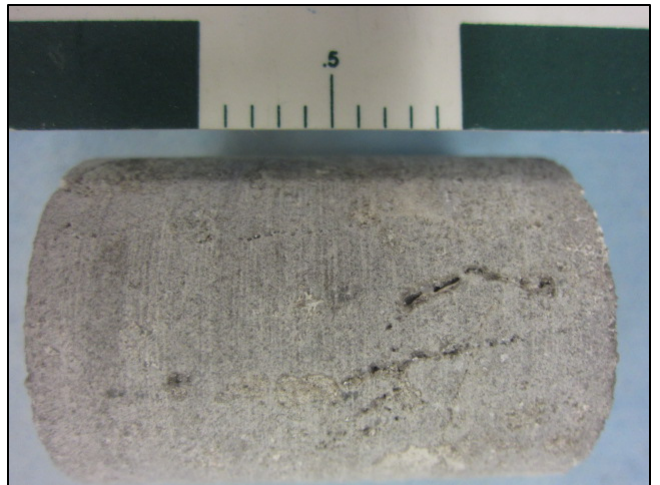
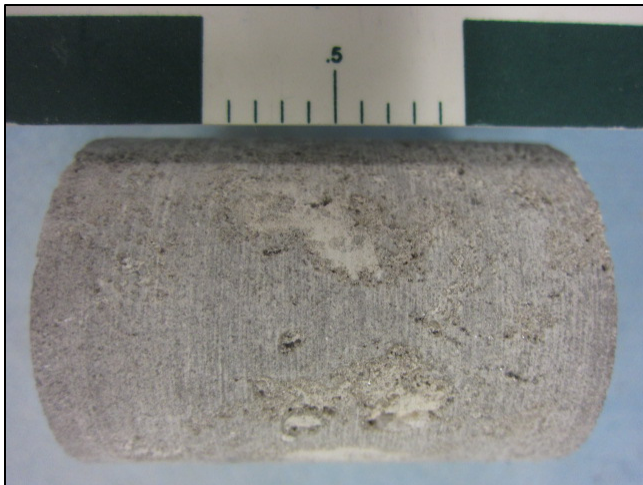
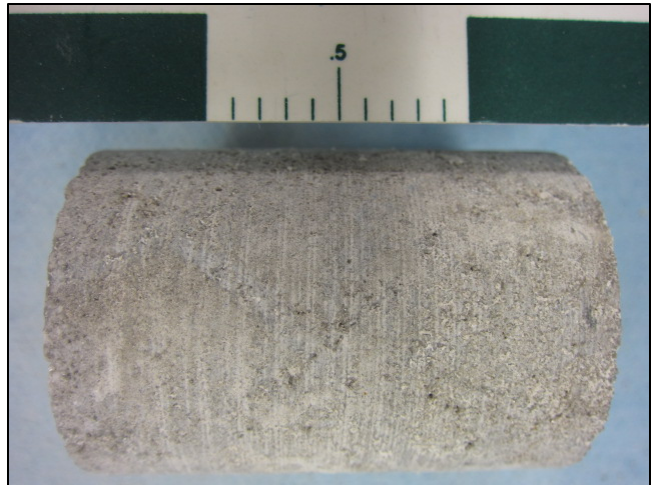
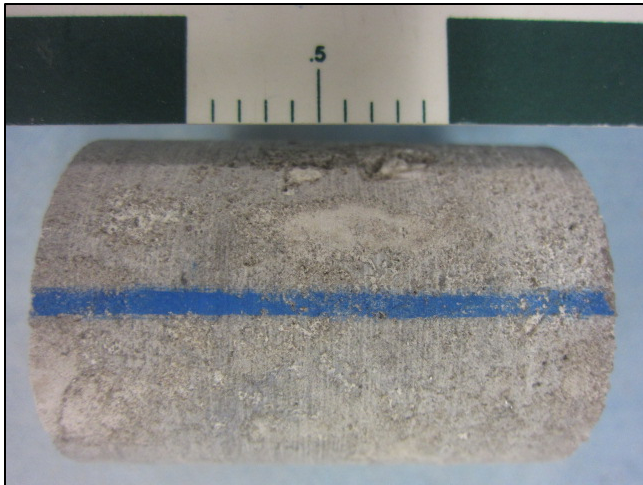
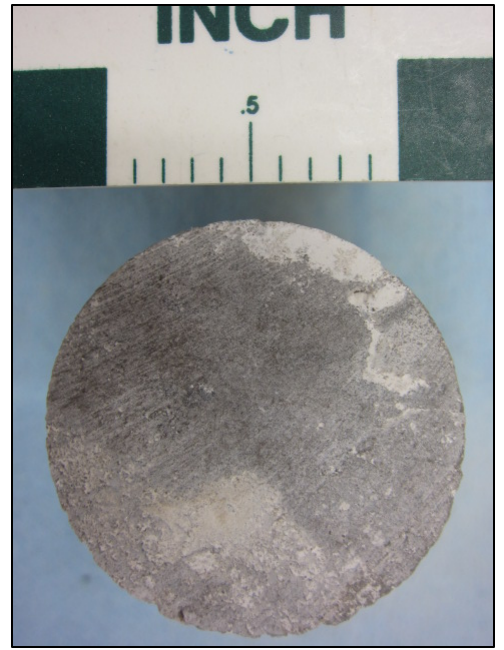


17-42
4394.6'

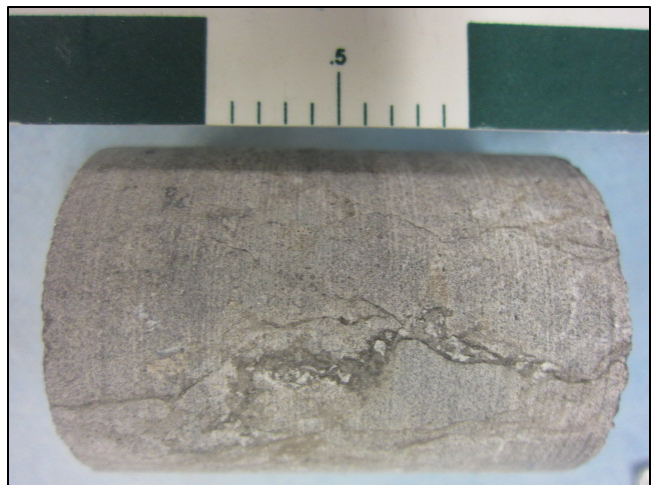
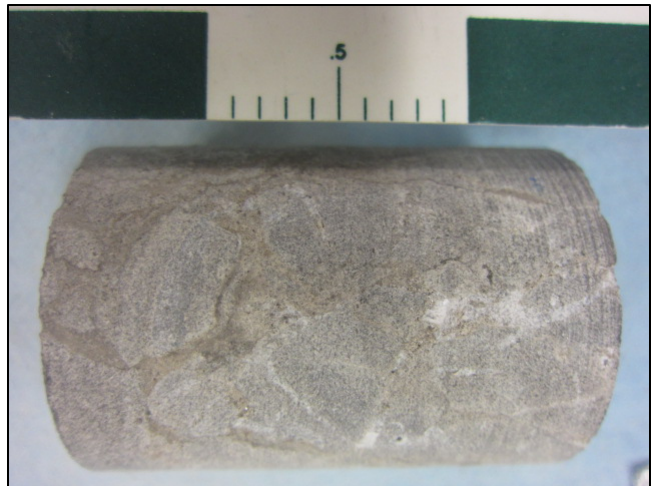
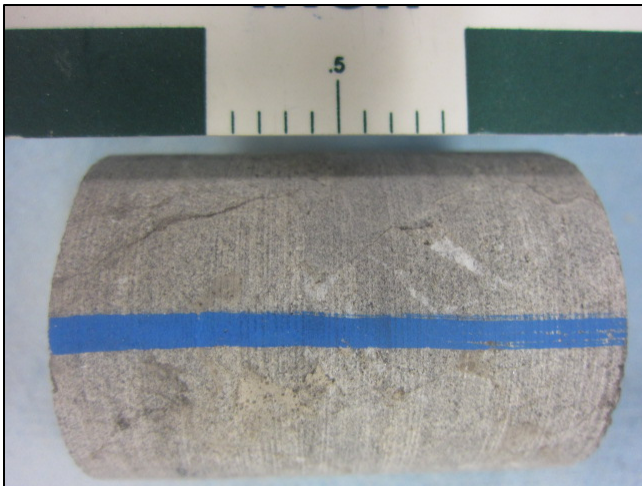
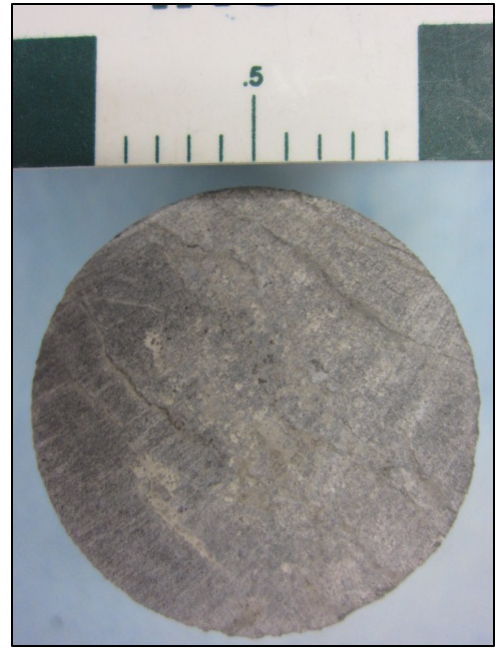




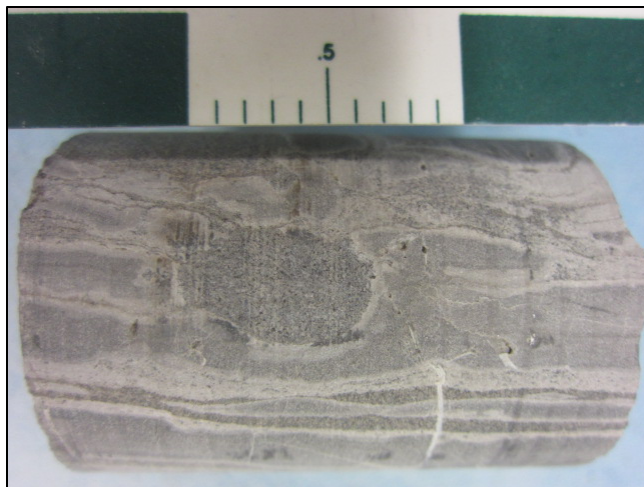
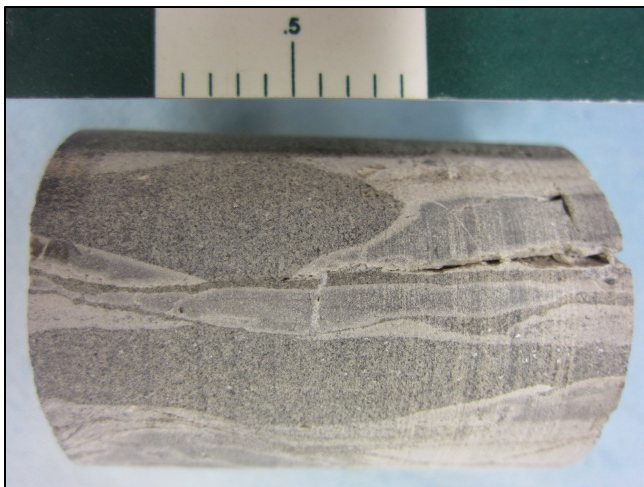
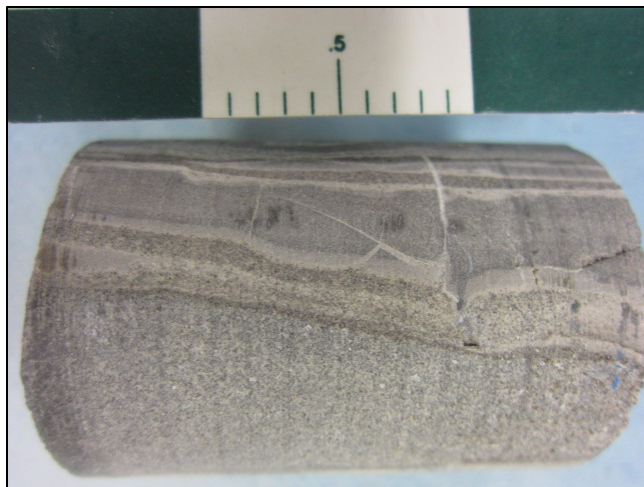
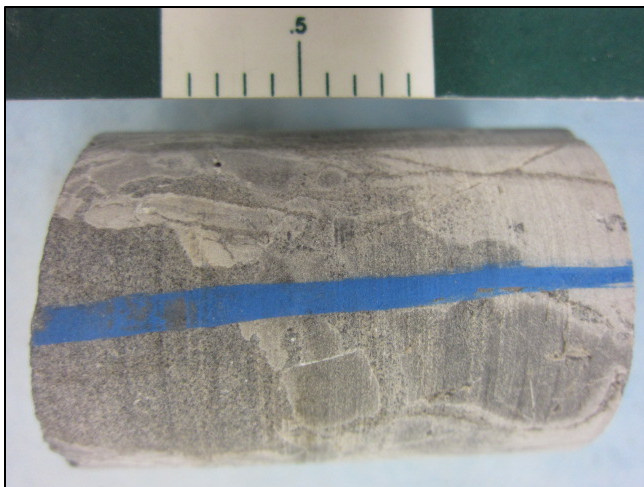
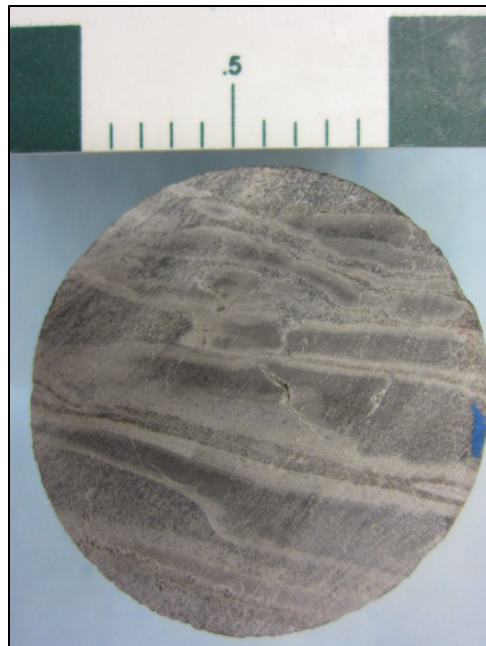
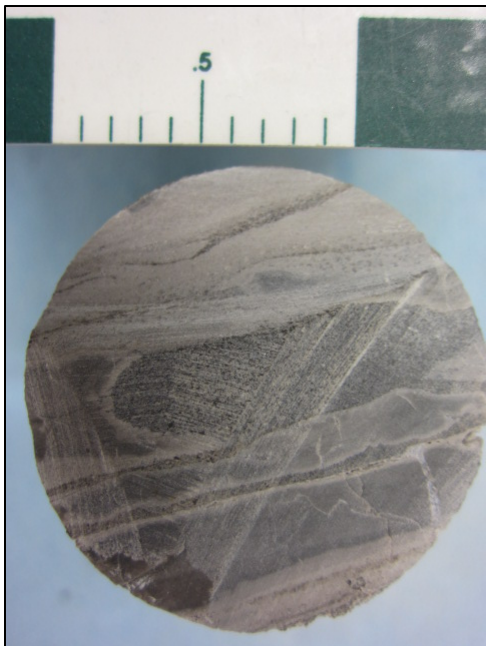
17-47
4399.9'



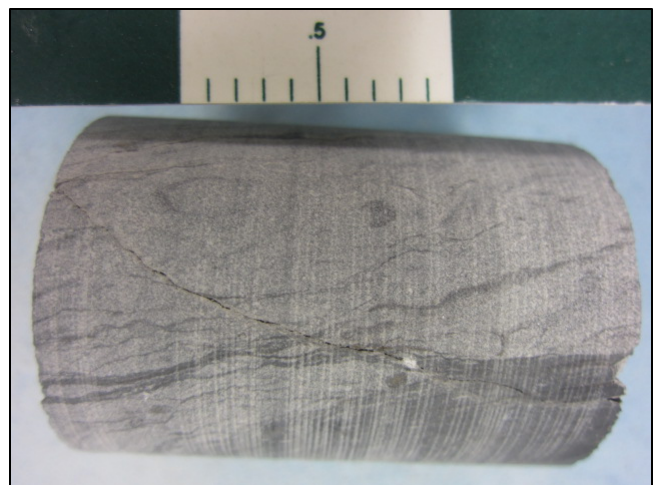
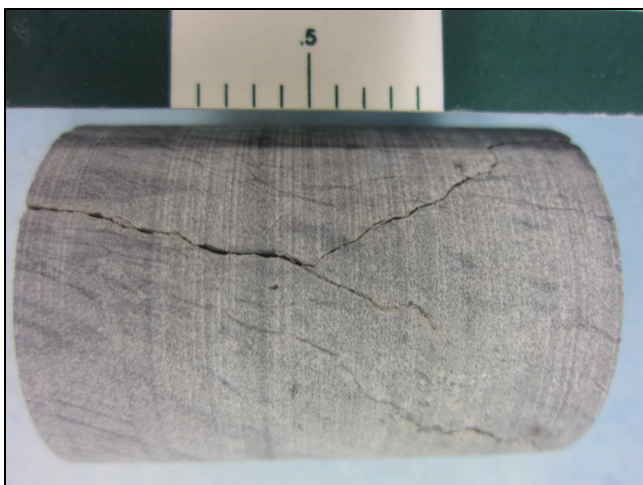
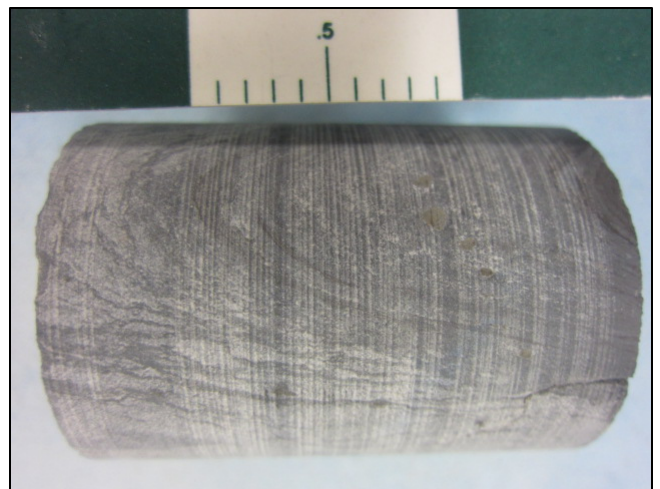
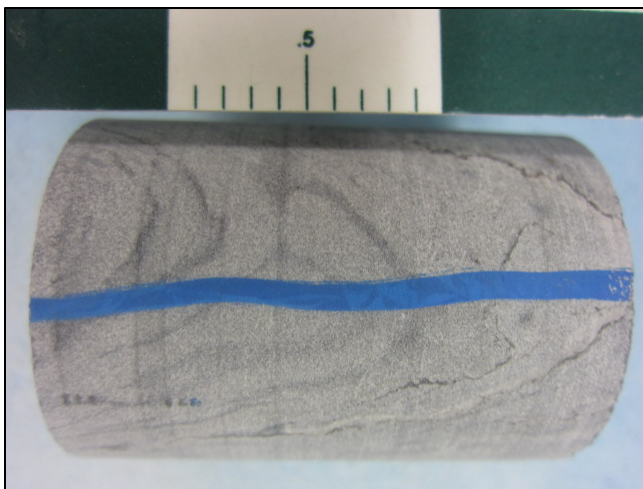
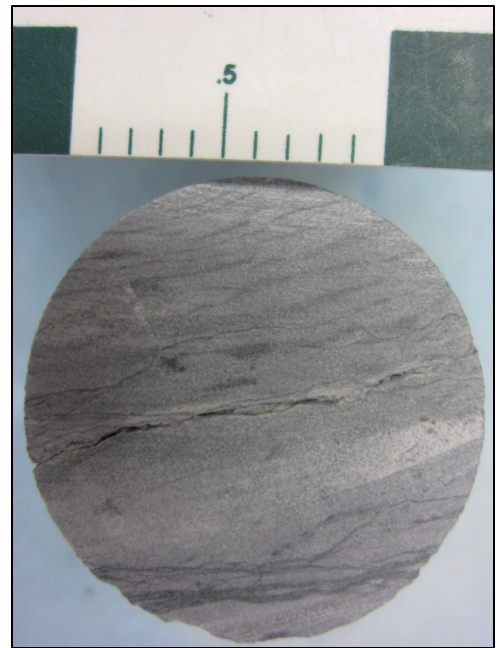
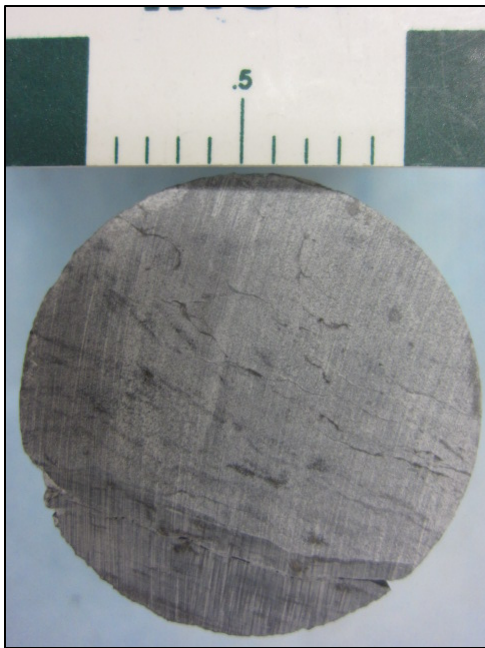
17-54
4406.4'



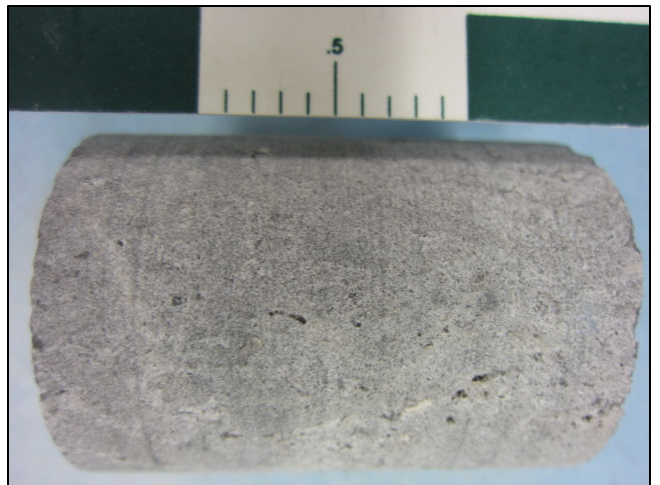
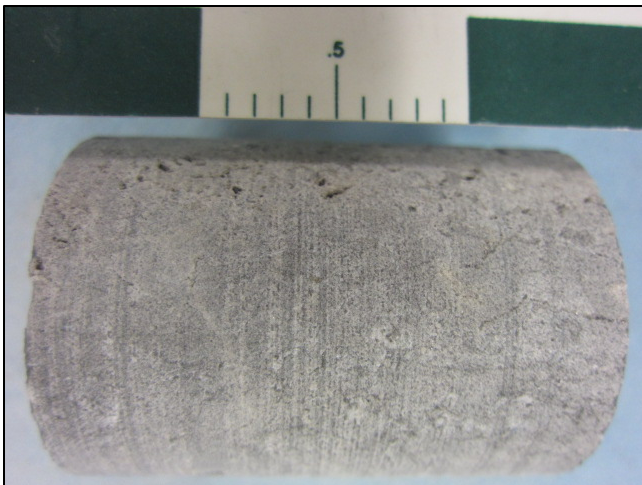
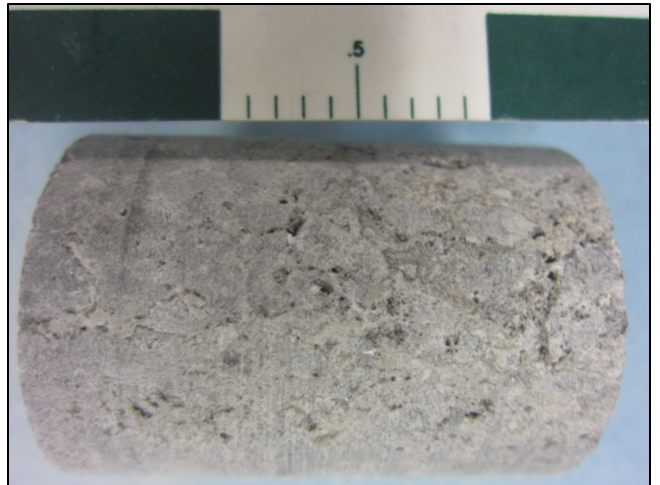
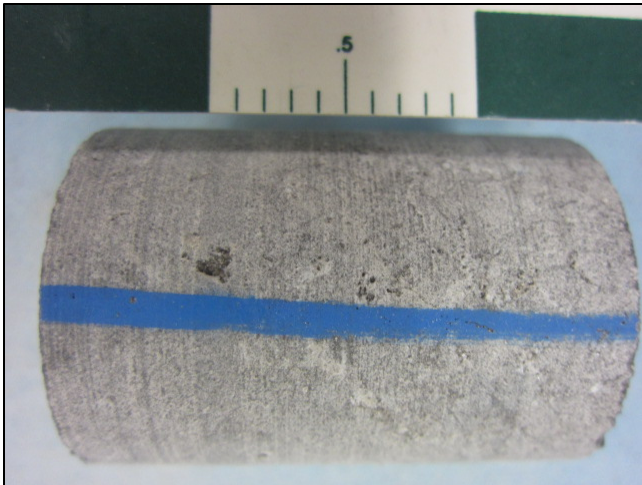
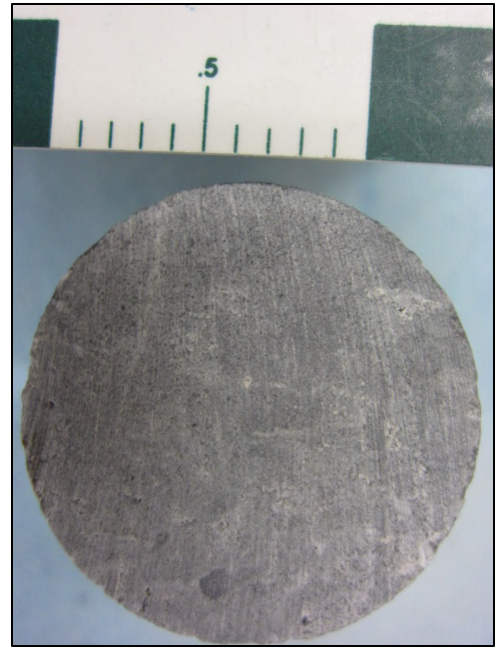
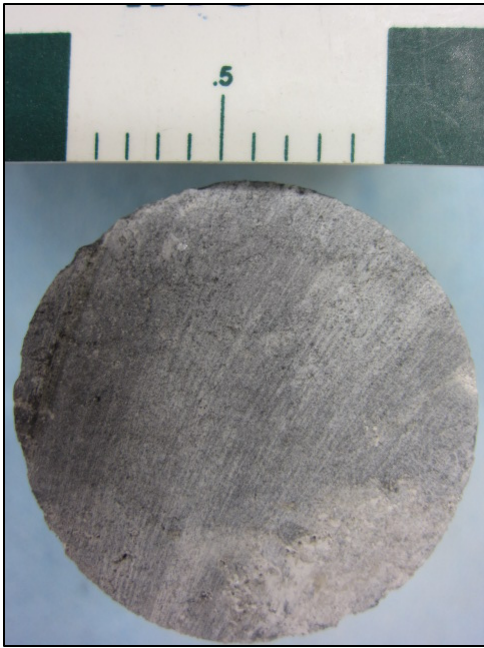
17-58
4410.9'



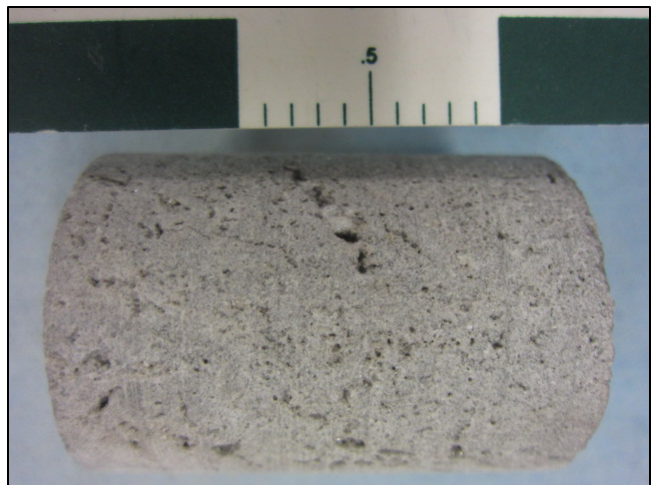
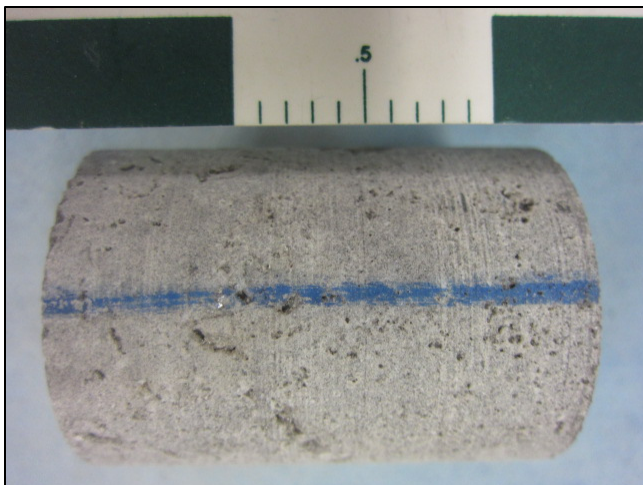
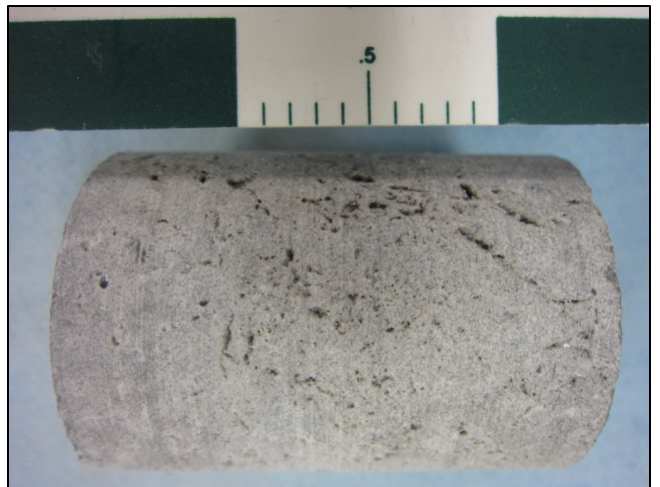
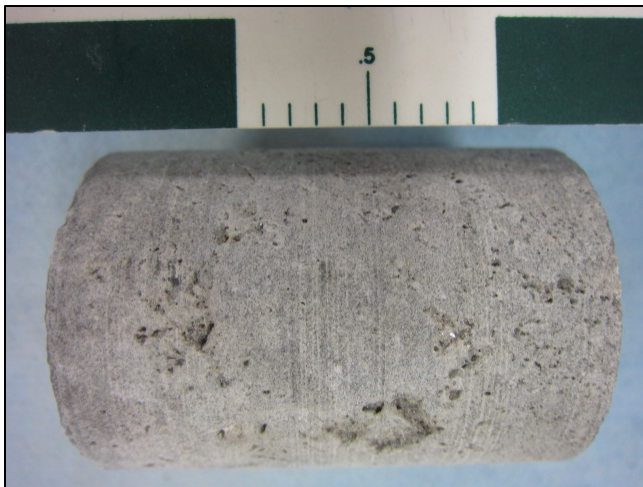
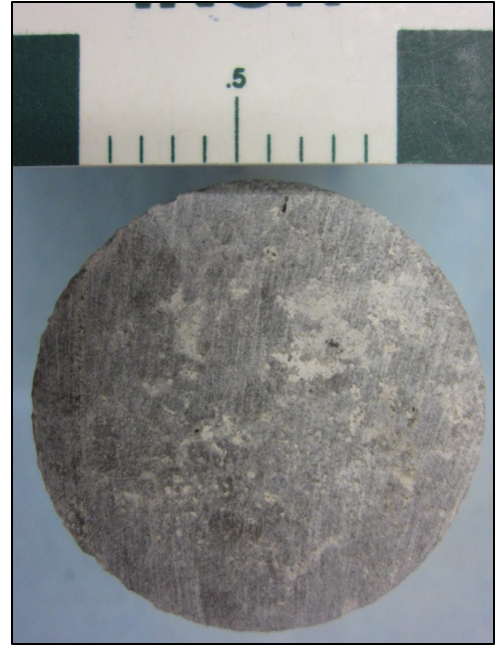
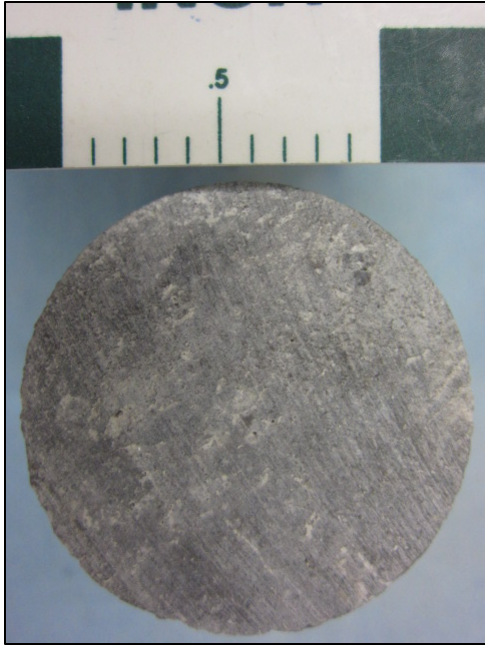
18-18
4431.6'



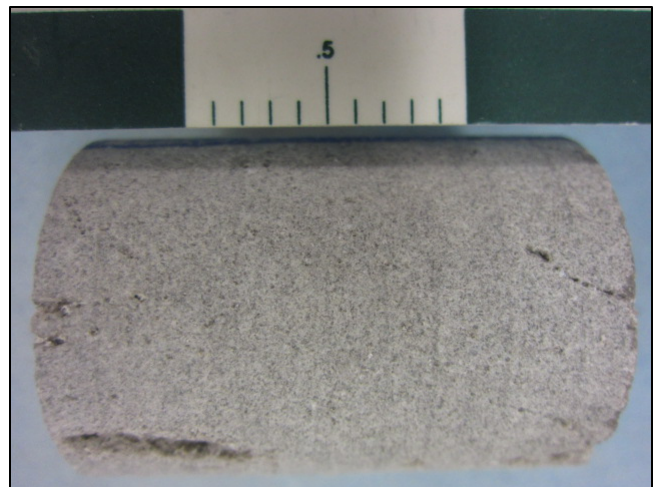
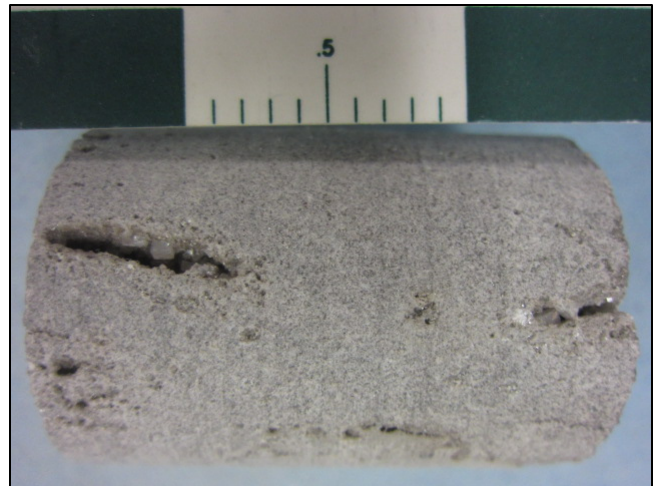
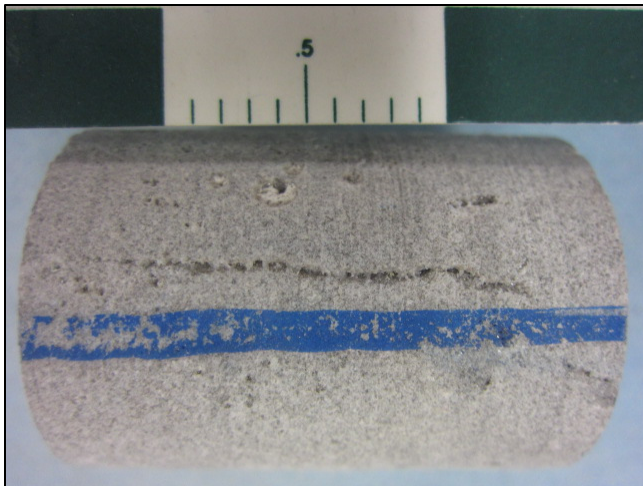
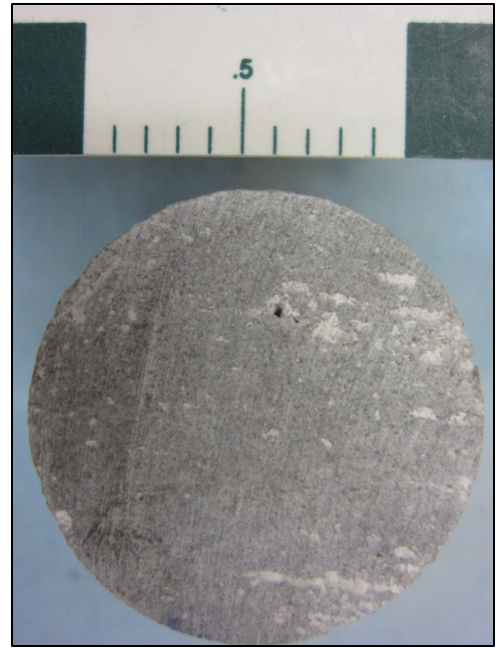
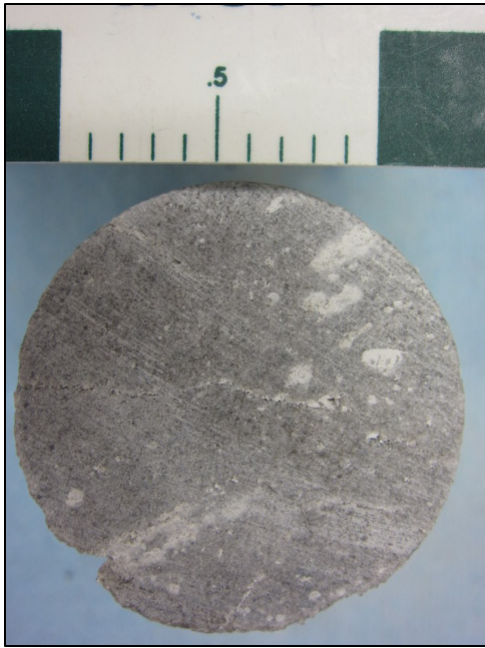
18-28
4441.0'



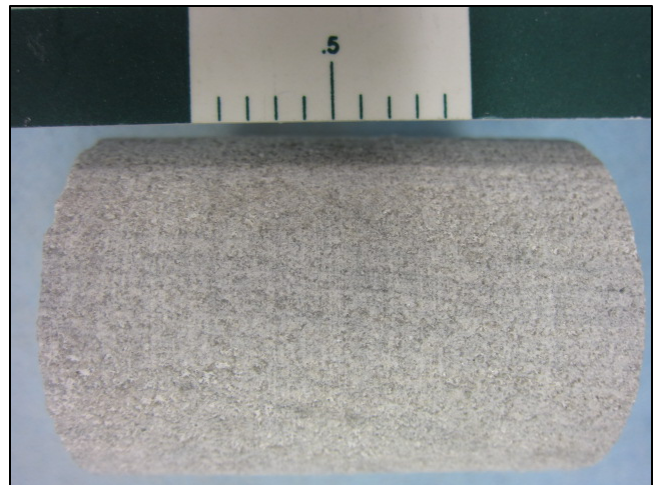
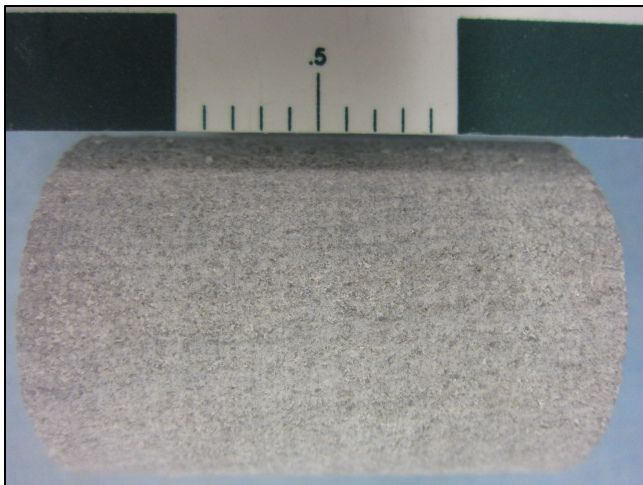
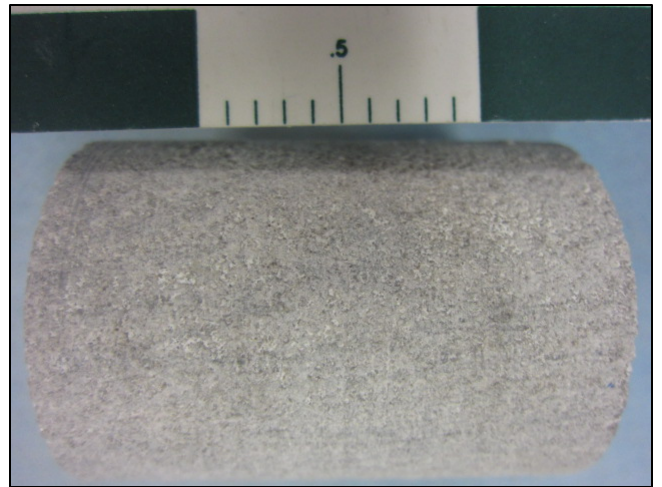
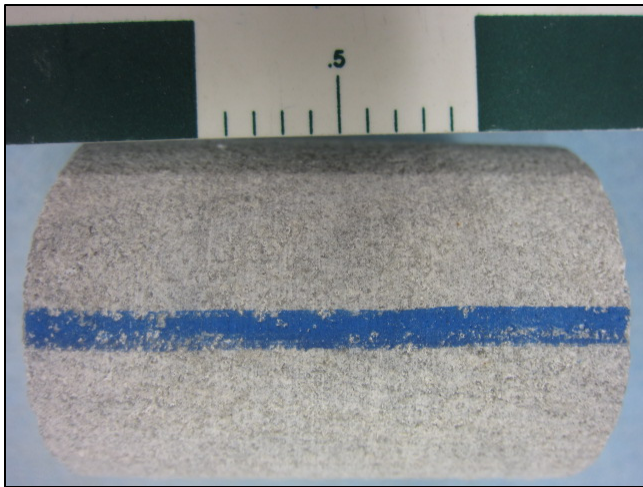
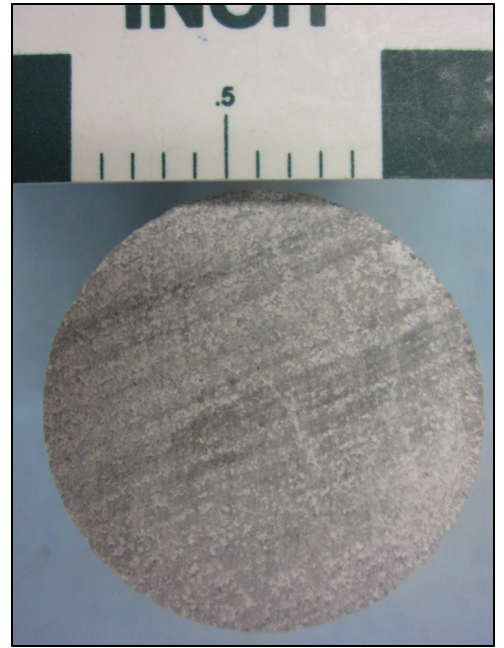
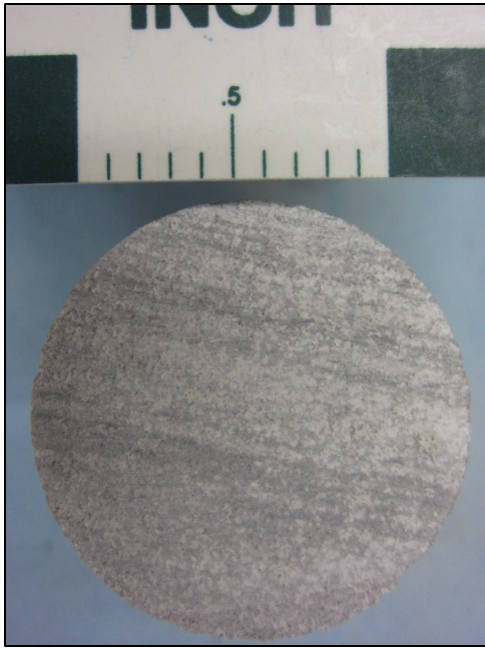
18-30
4443.8'



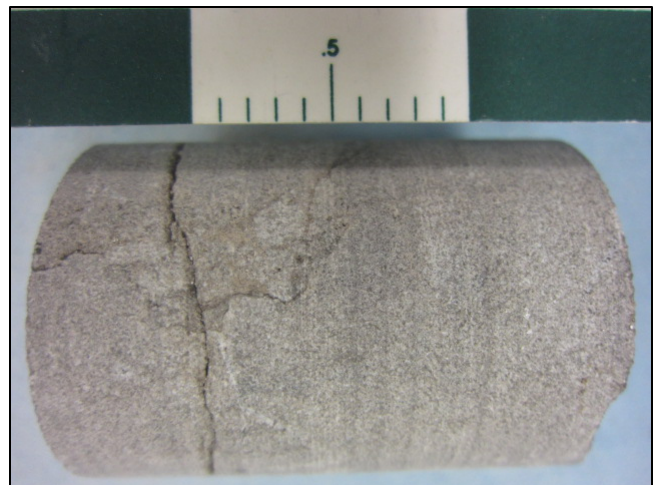
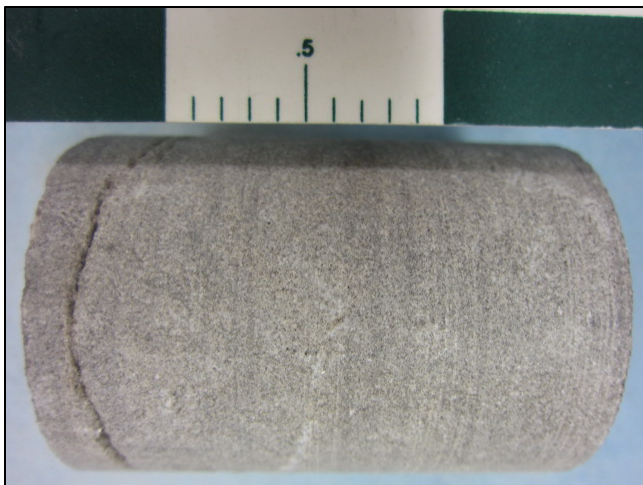
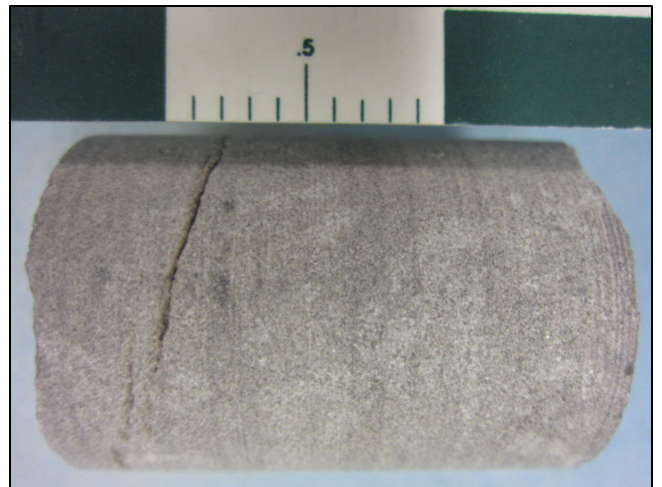
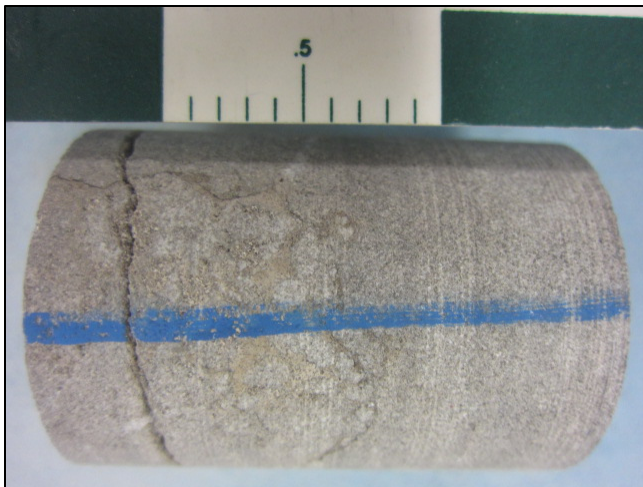
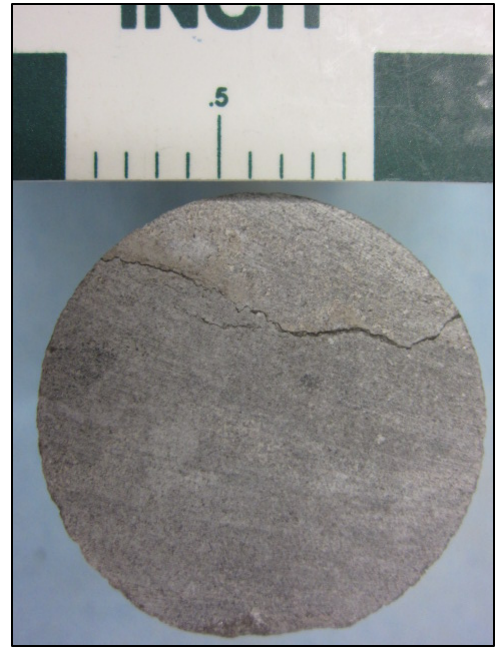
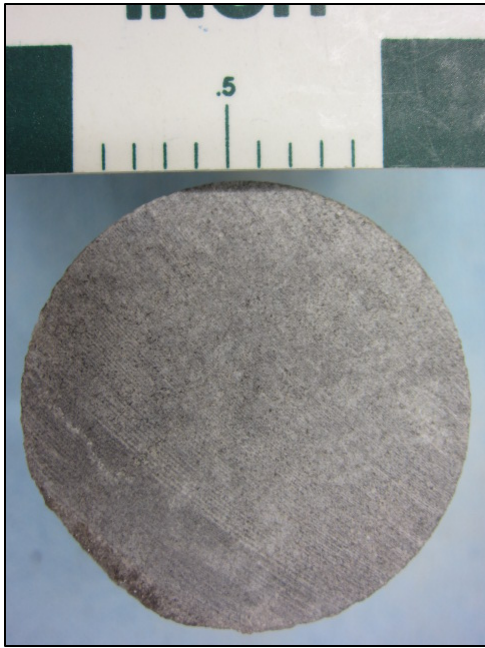
18-33
4446.0'

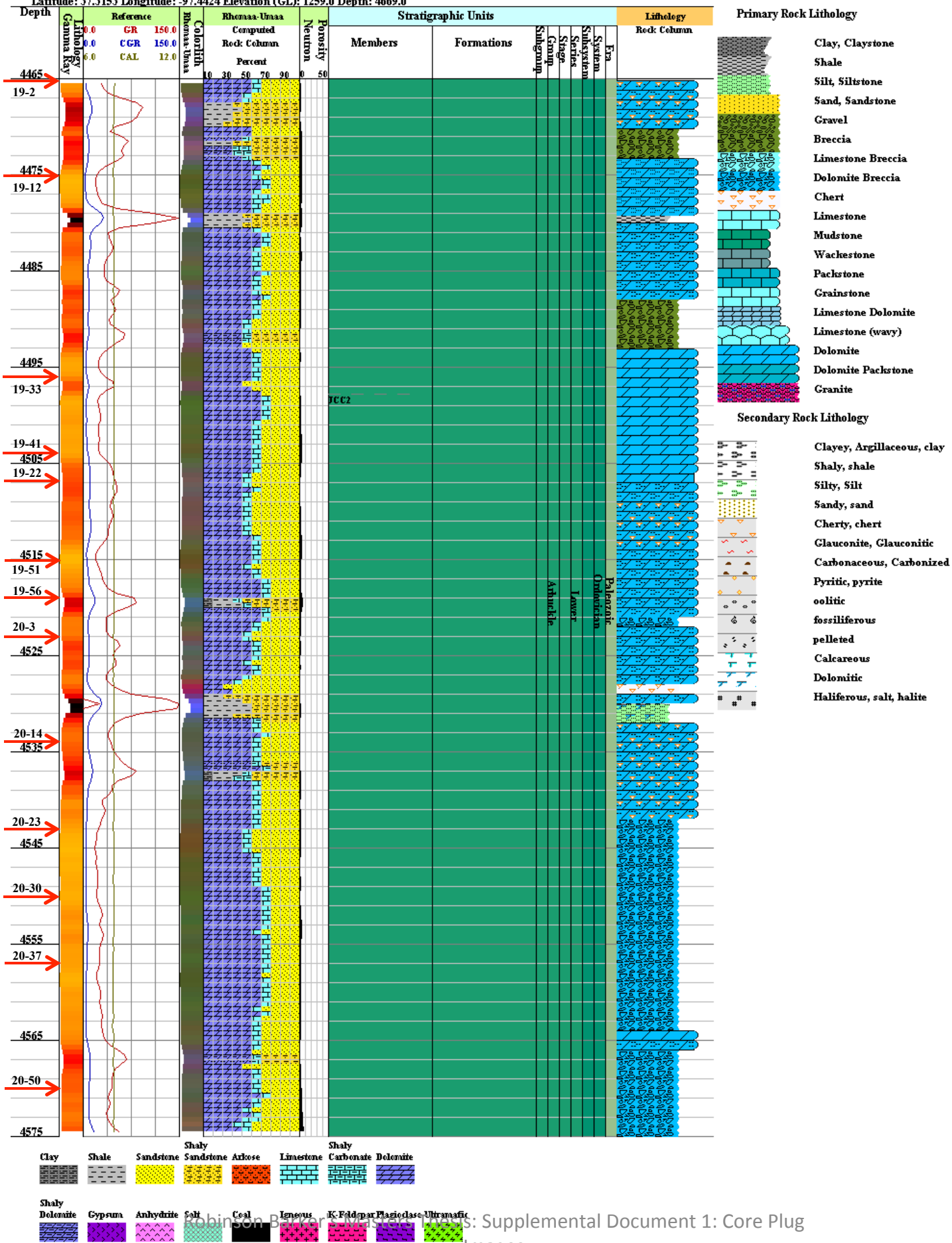


18-38
4451.9'



18-47
4460.8'





4464

4467

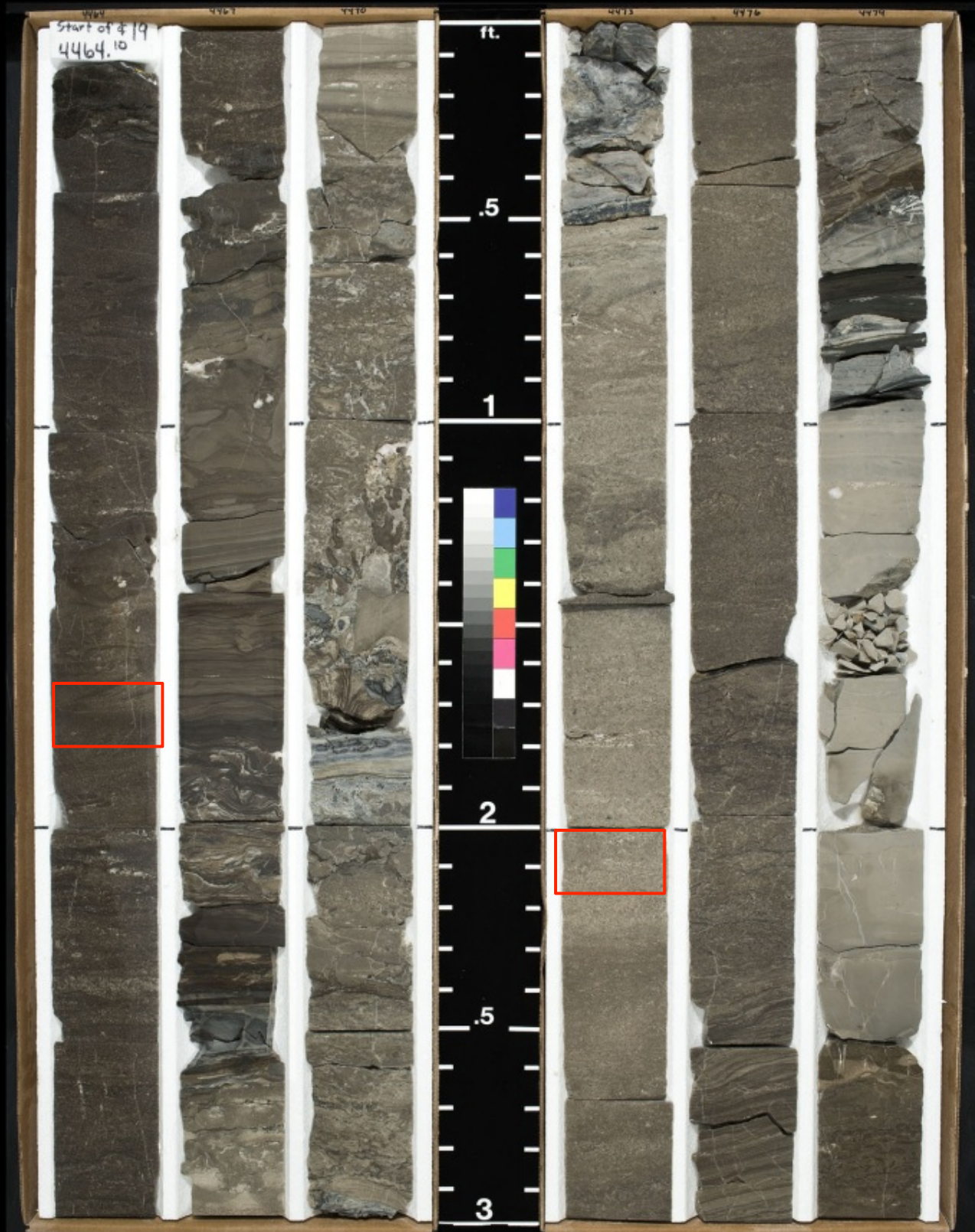
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CORE 19

4473

4476

4479



4482

4485

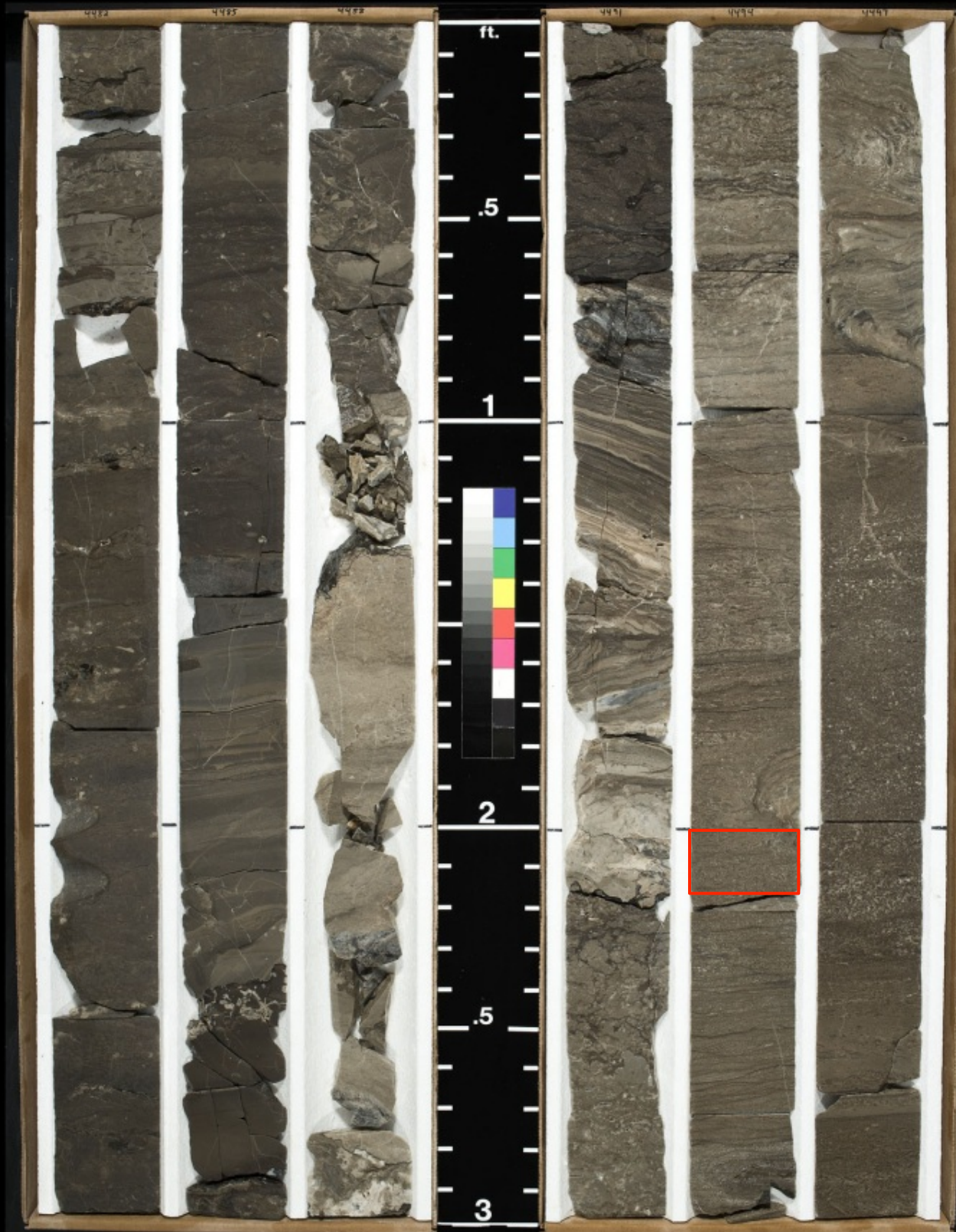
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CORE 19

4491

4494

4497



4500

4503

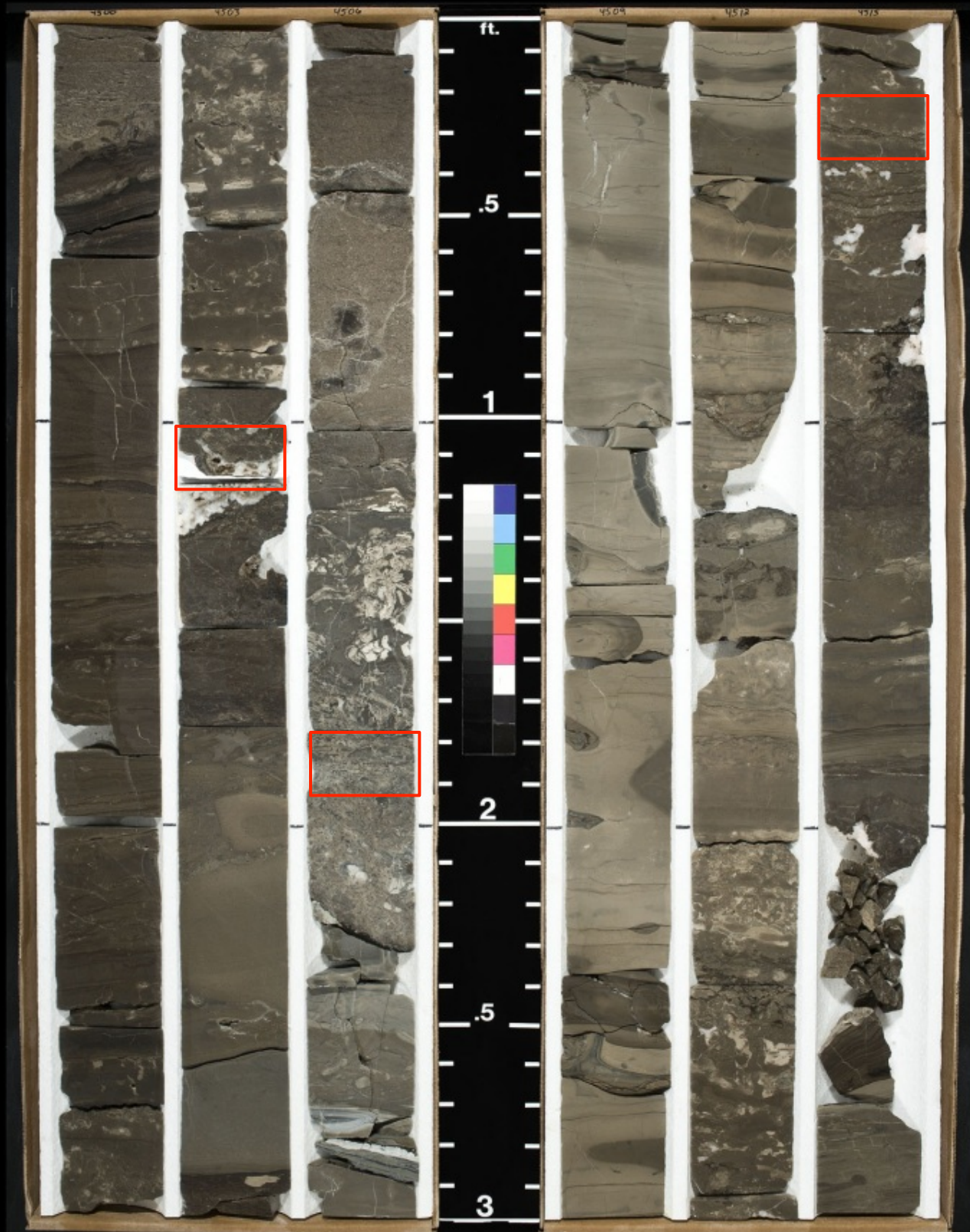
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CORE 19

4509

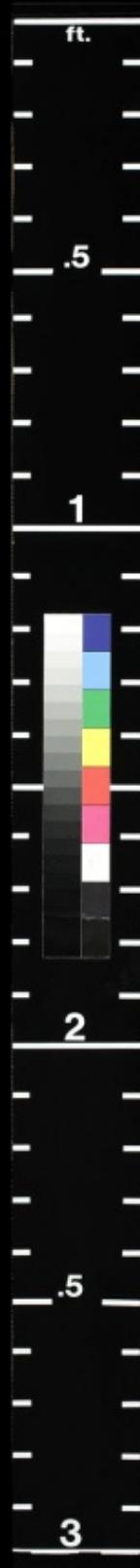
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4515



4518

CORE 19



4521

4524

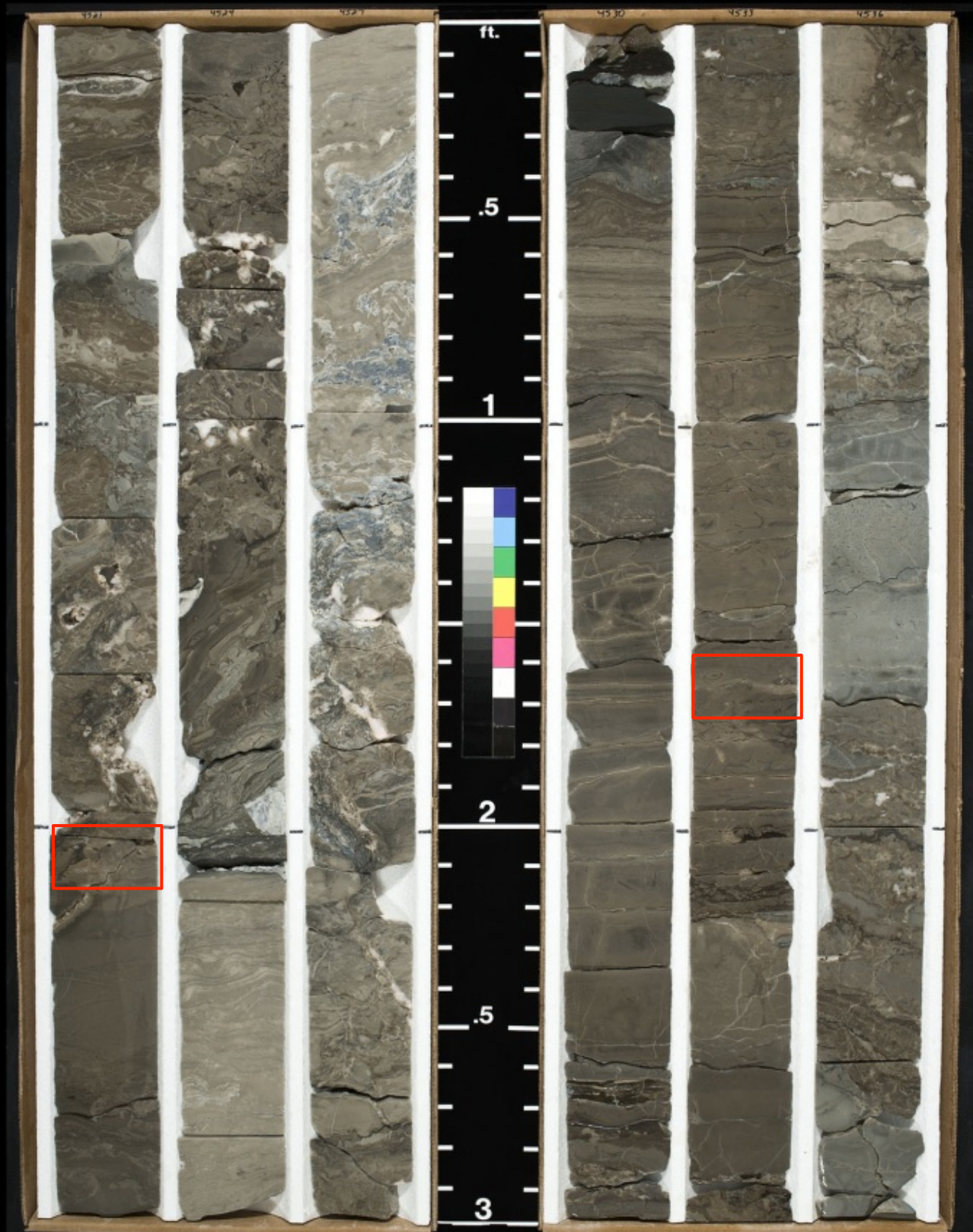
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CORE 20

4530

4533

4536



4539

4542

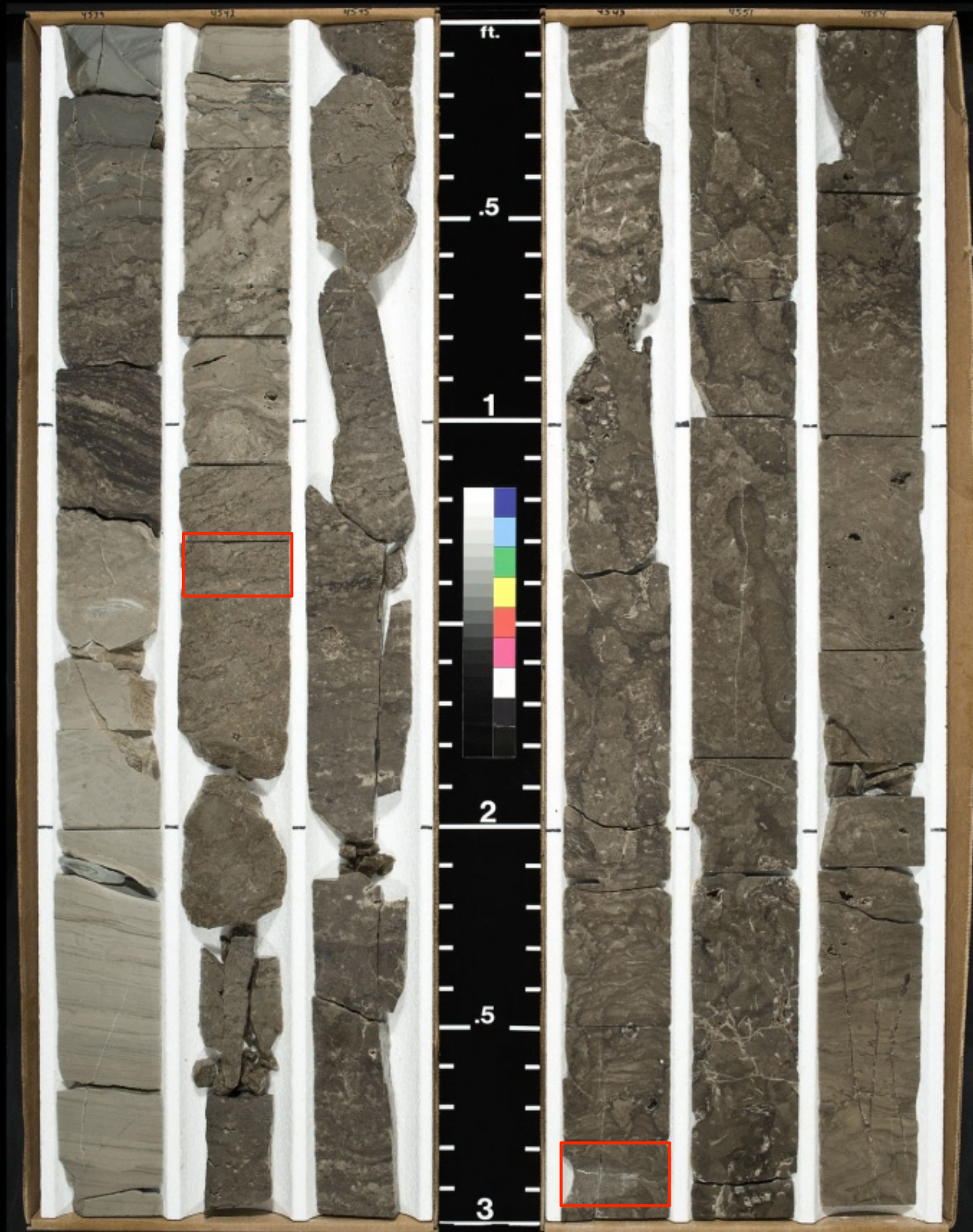
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CORE 20

4548

4551

4554



4557

4560

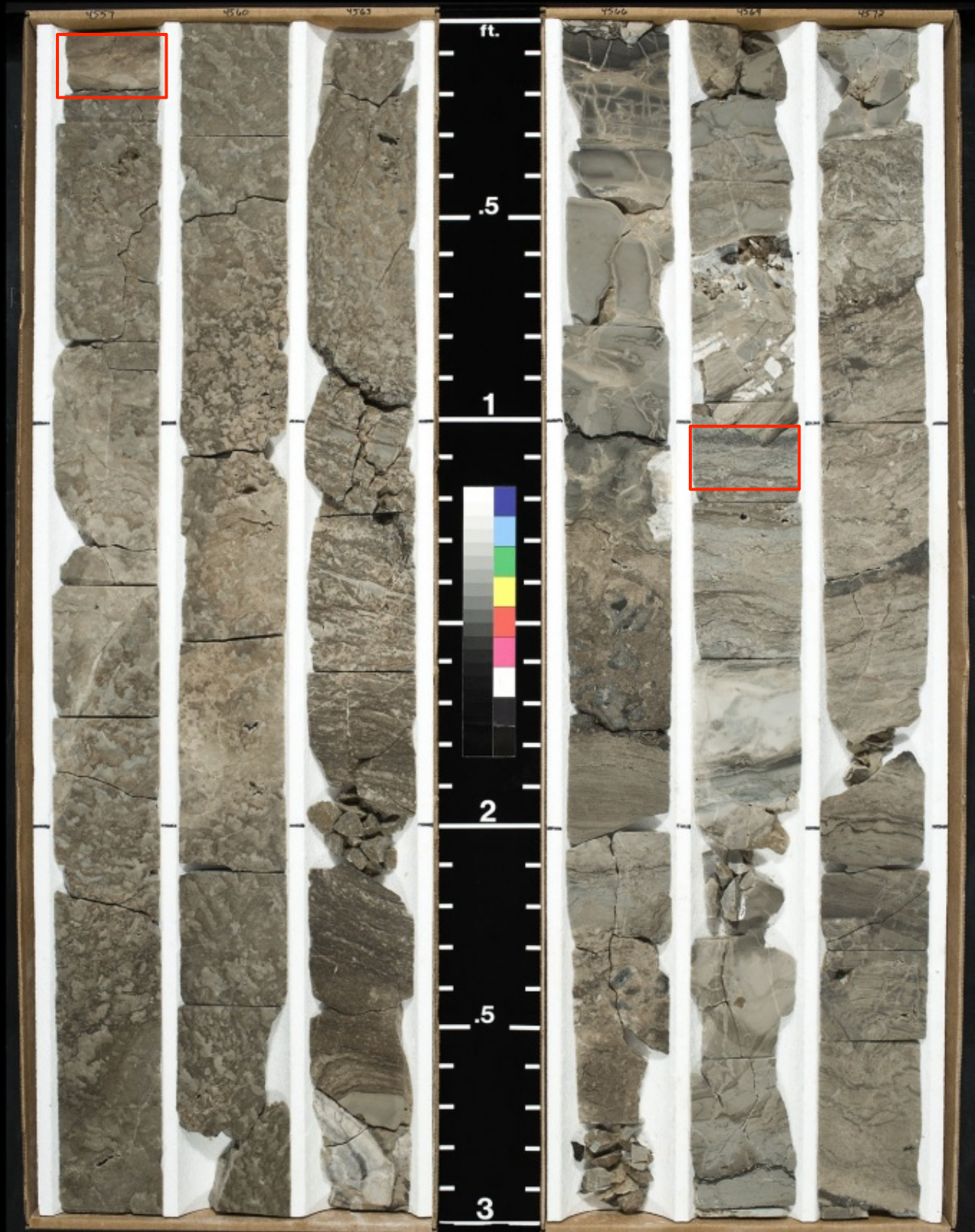
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CORE 20

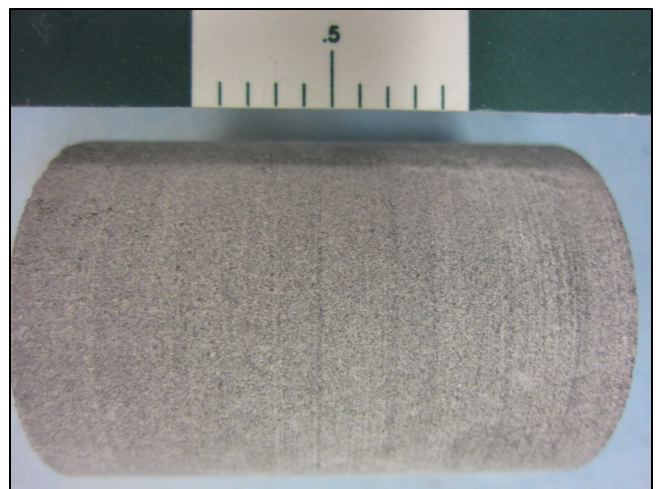
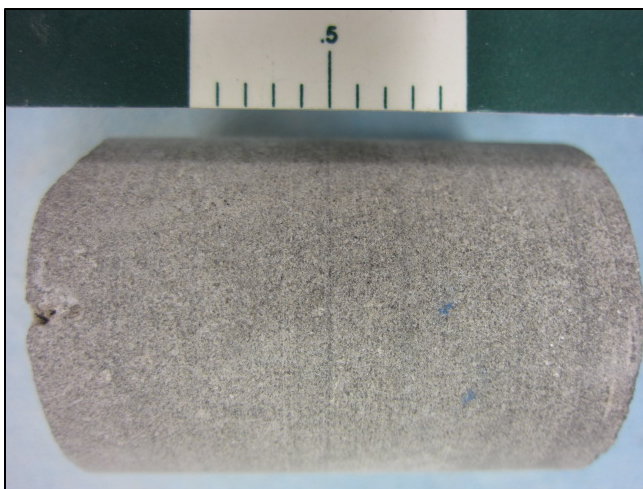
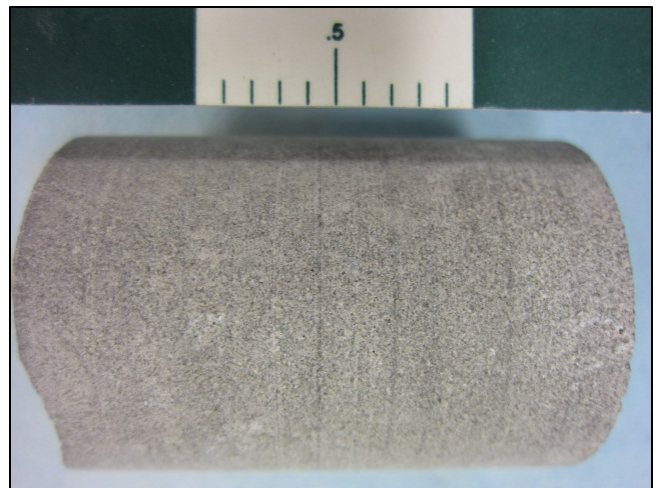
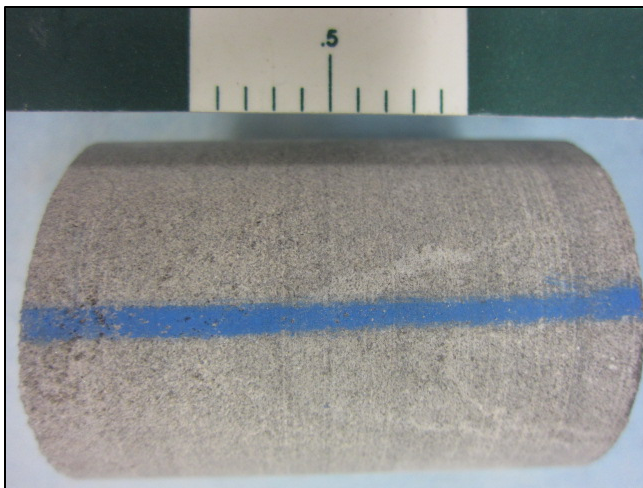
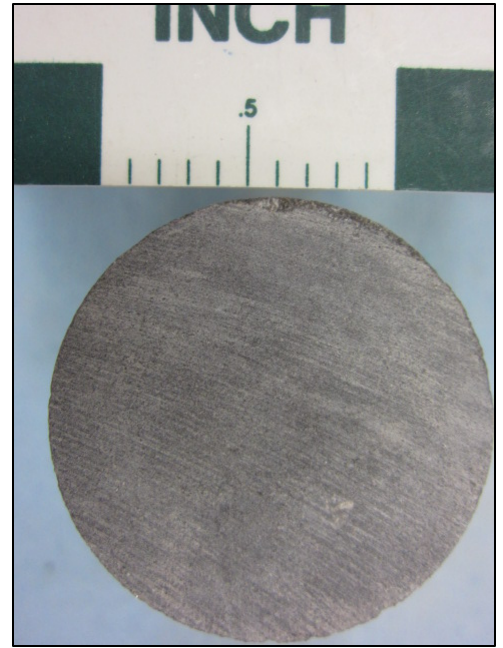
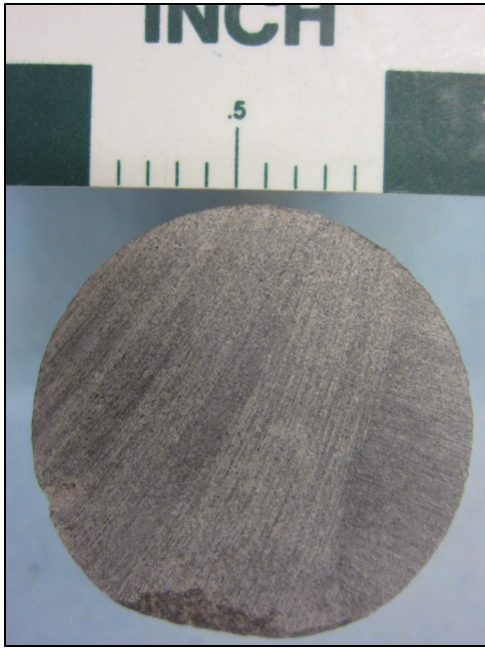
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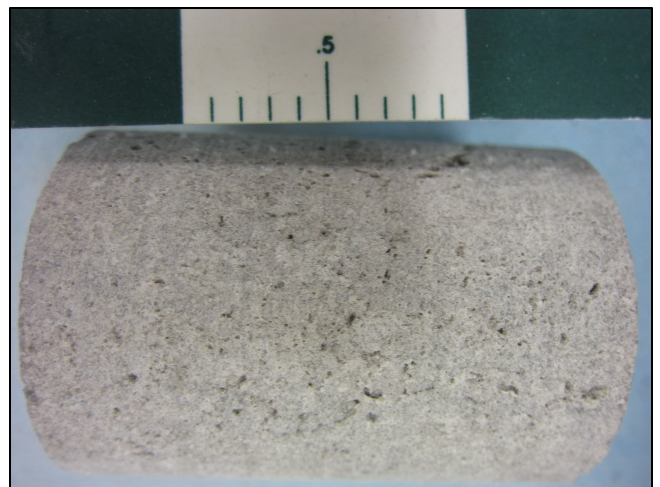
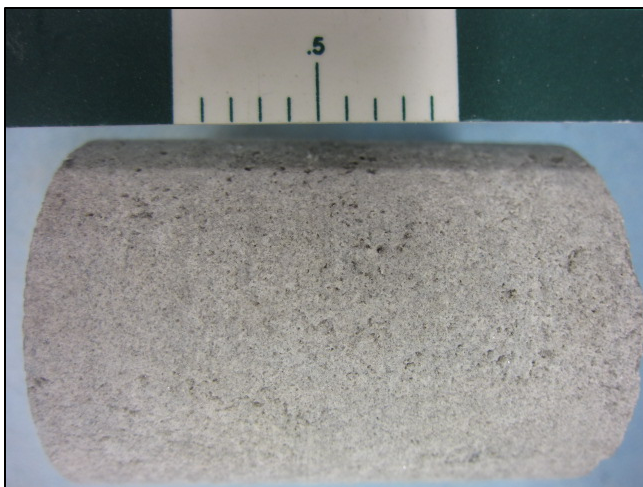
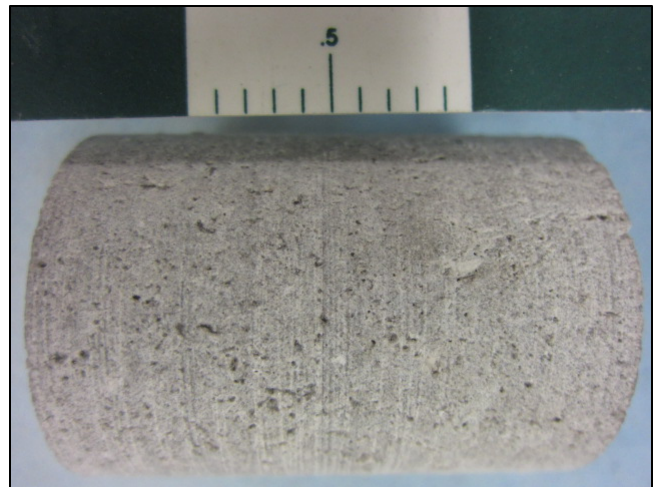
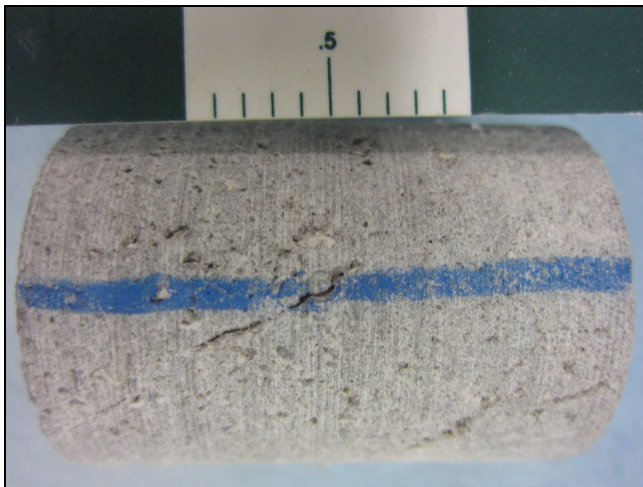
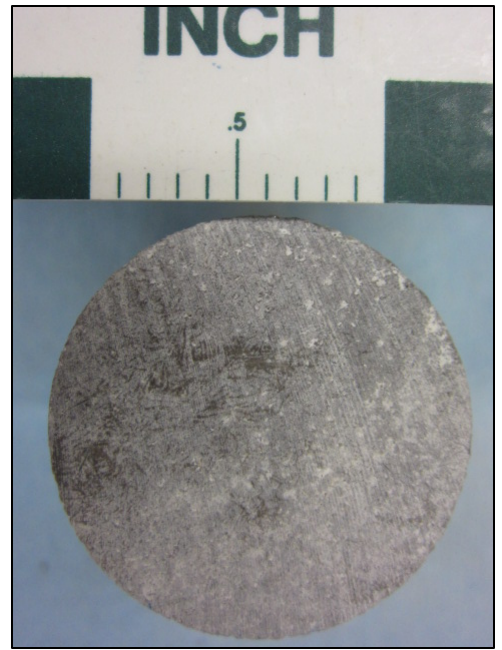
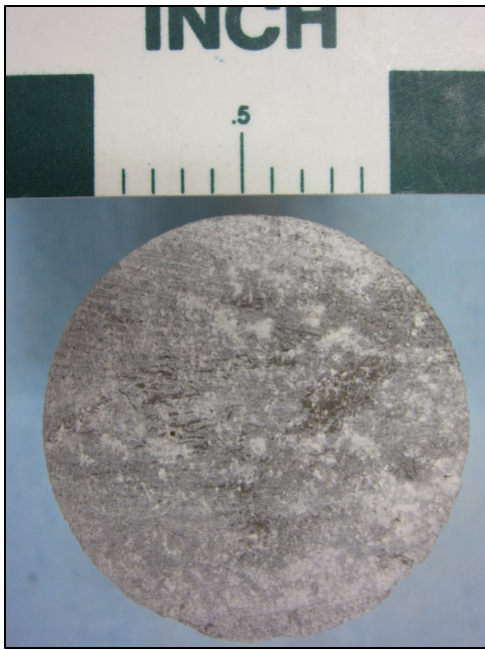
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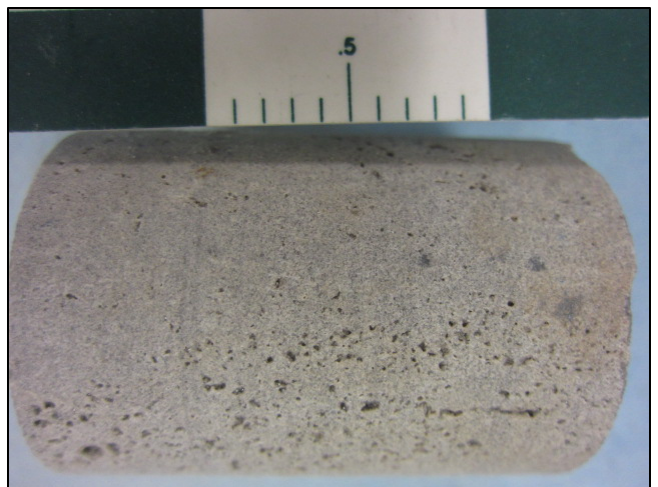
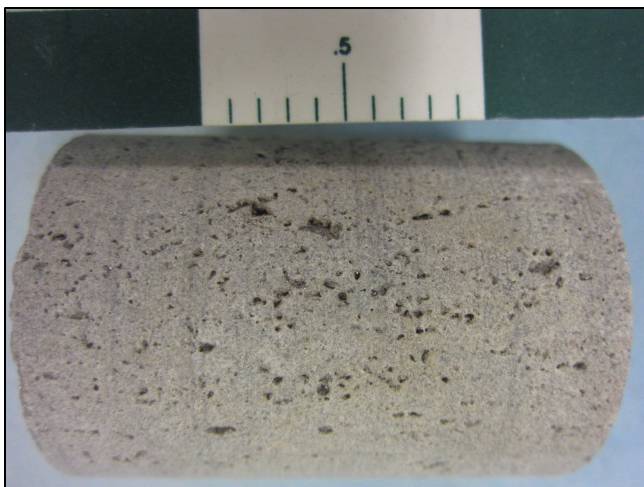
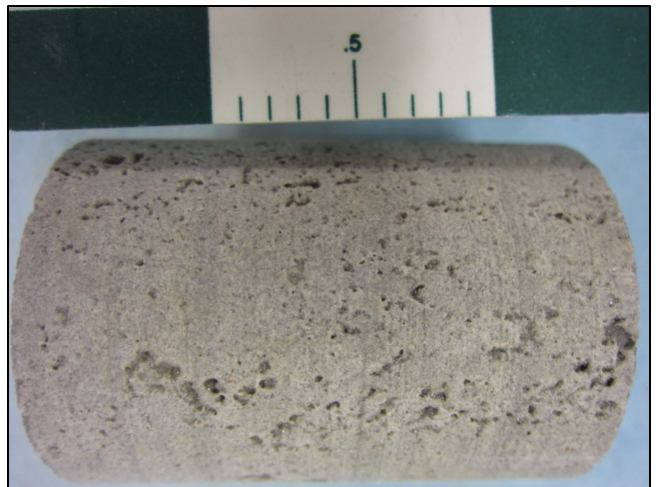
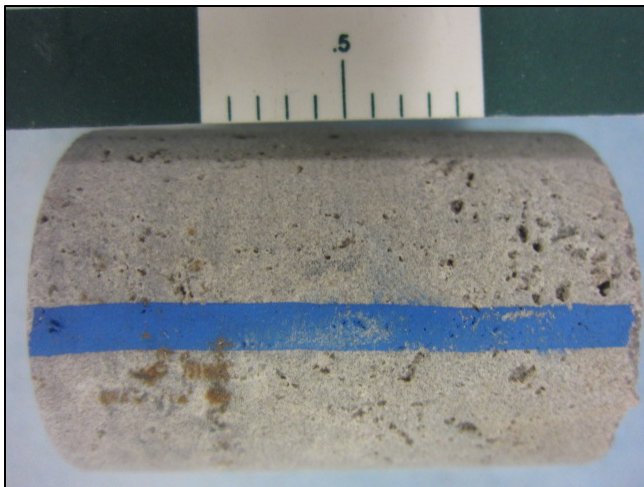
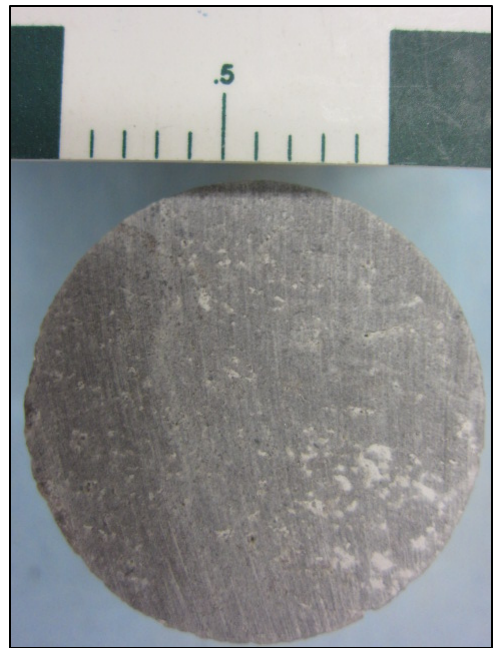
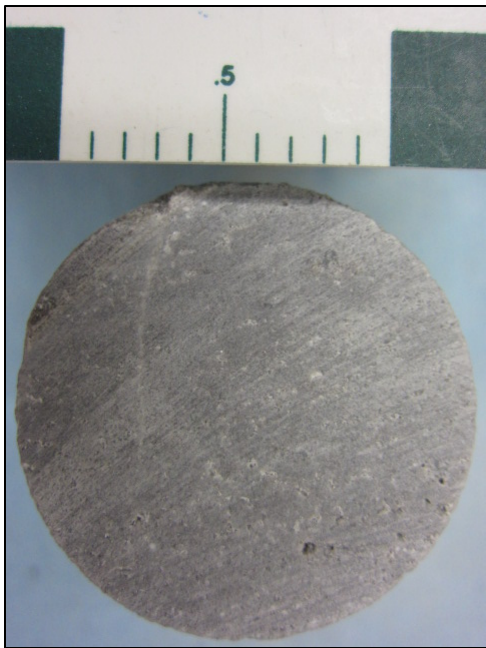
19-2
4465.8'



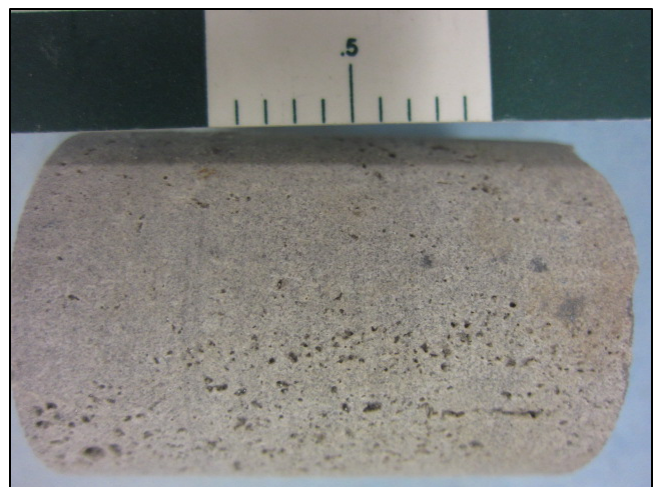
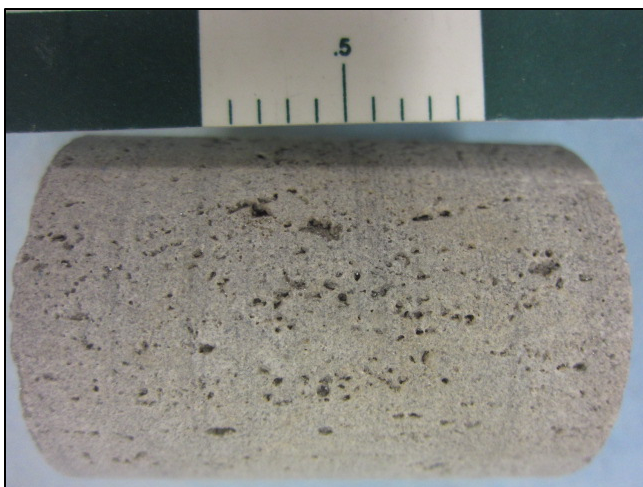
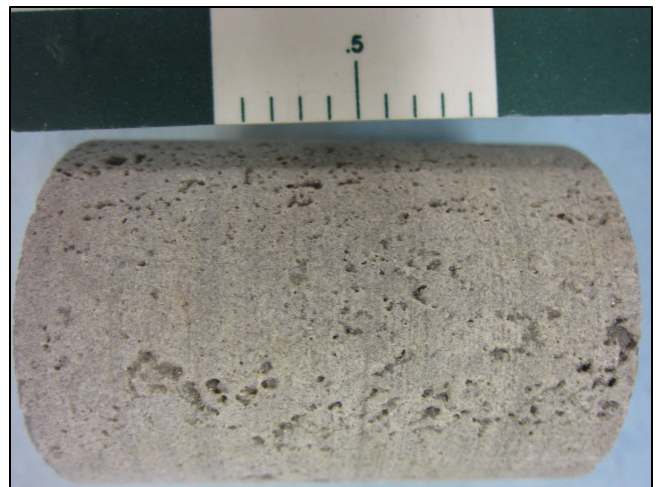
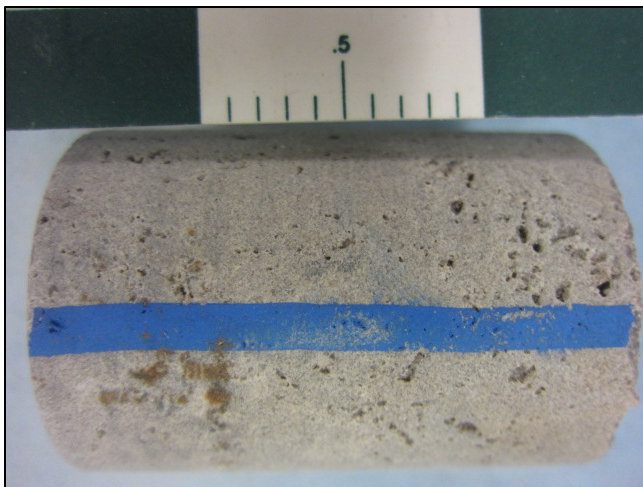
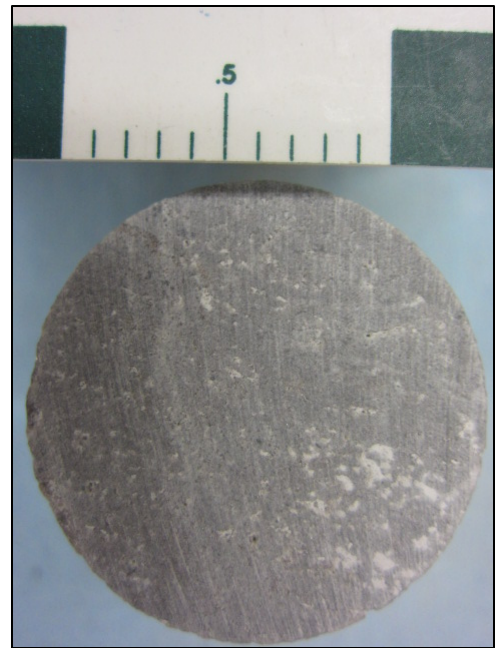
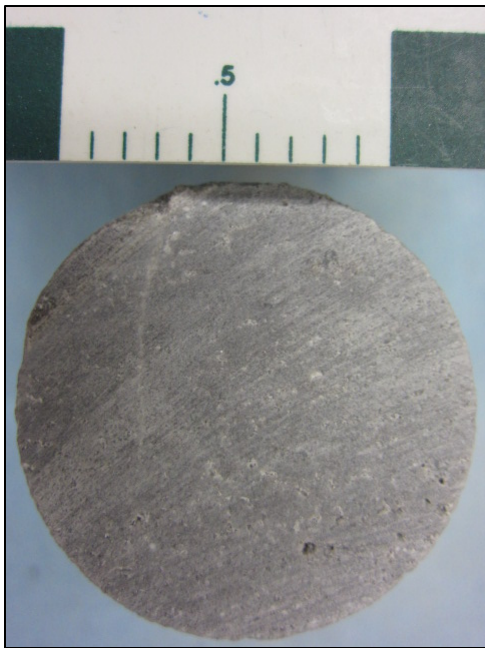
19-12
4475.1'



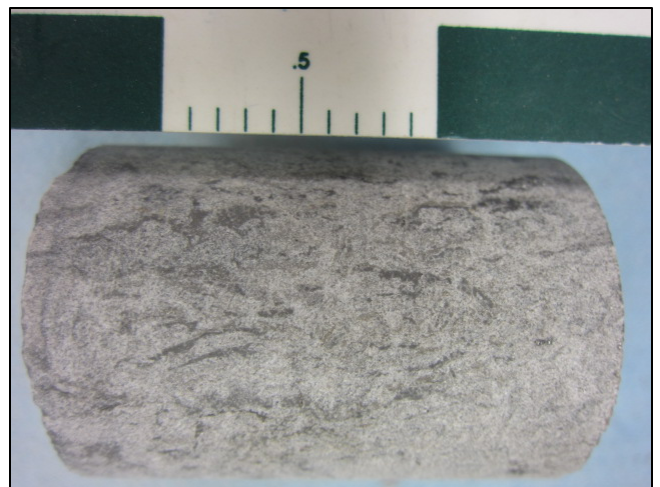
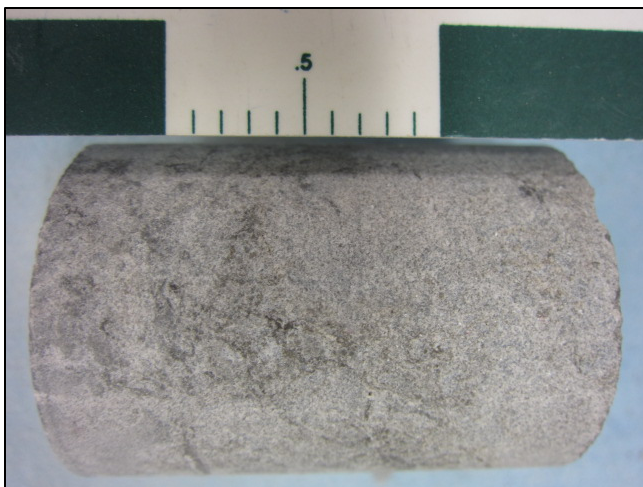
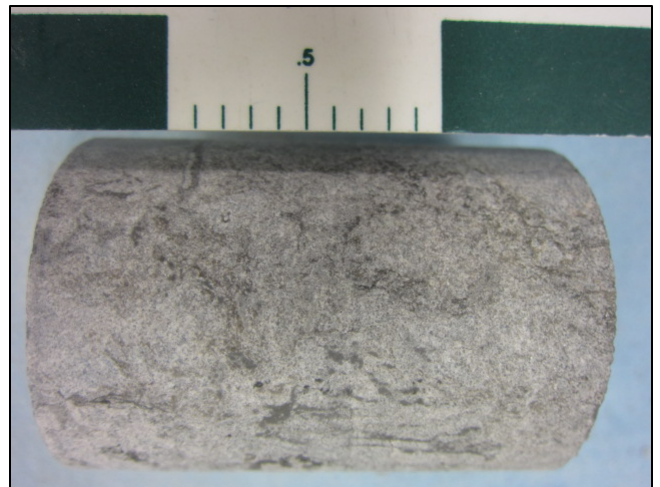
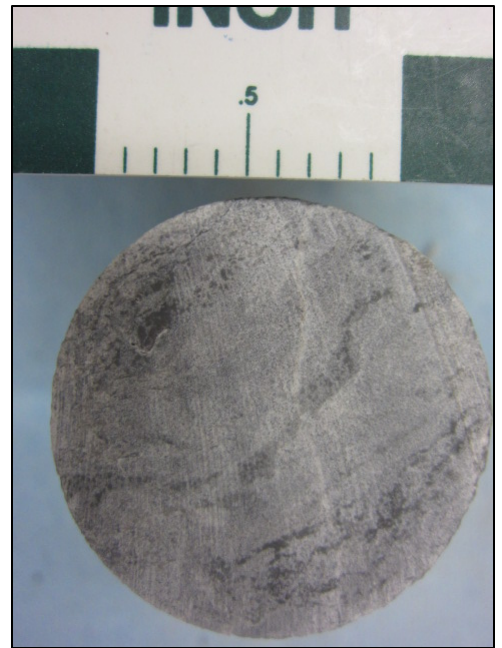
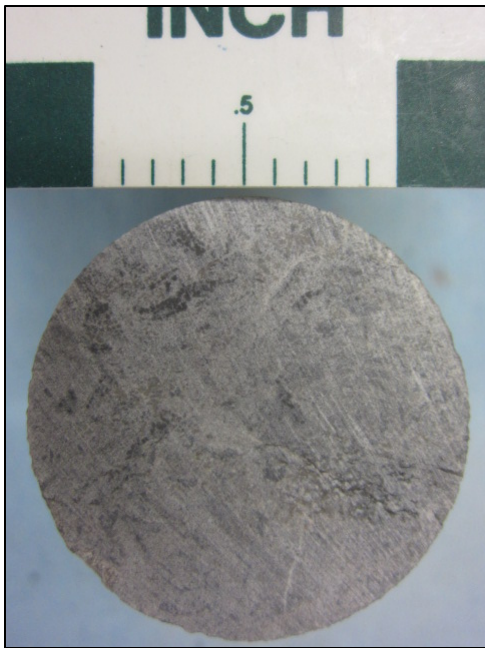
19-33
4496.1'



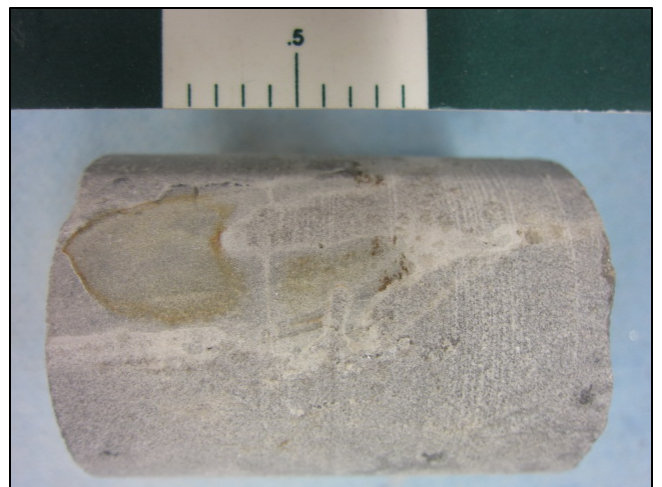
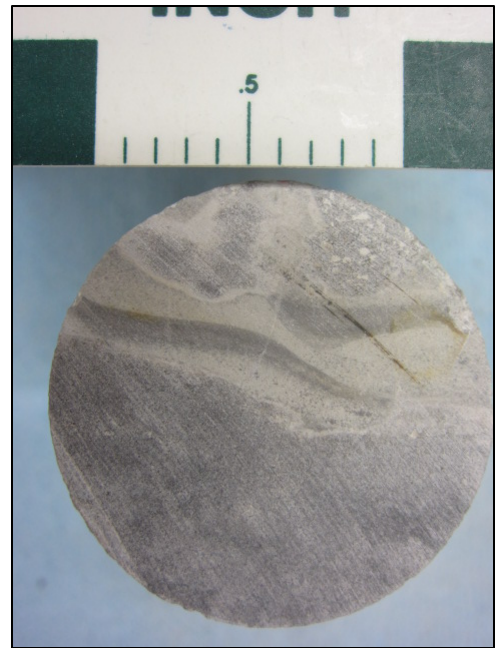
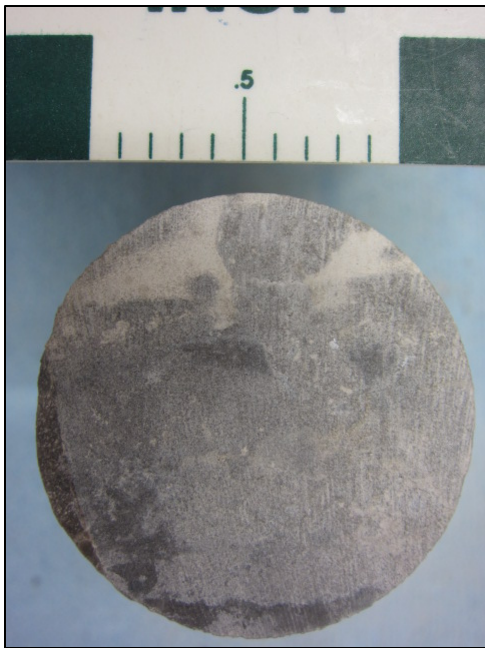
19-41
4504.0'



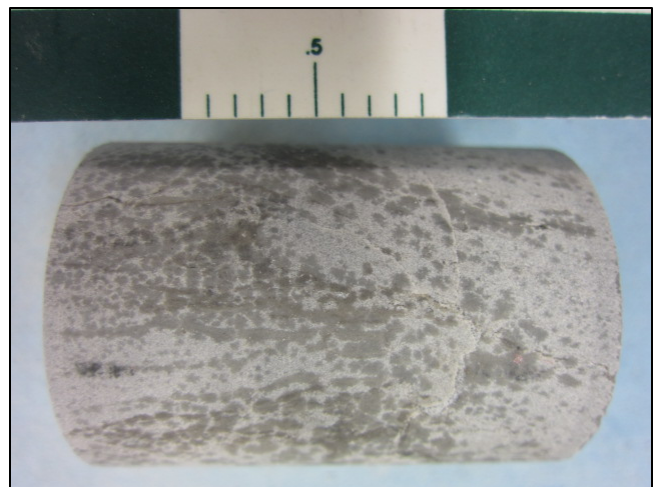
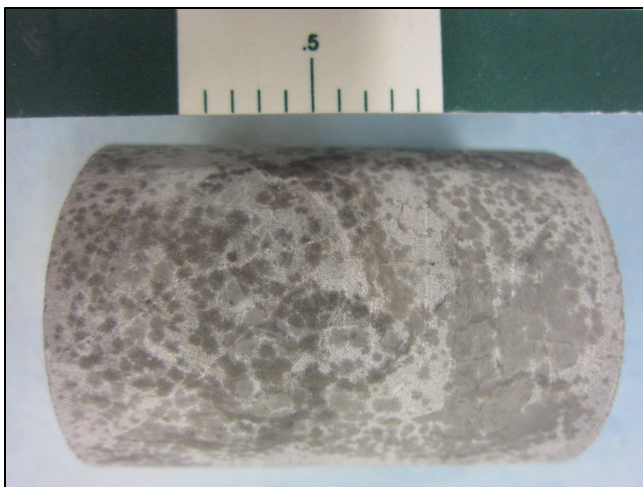
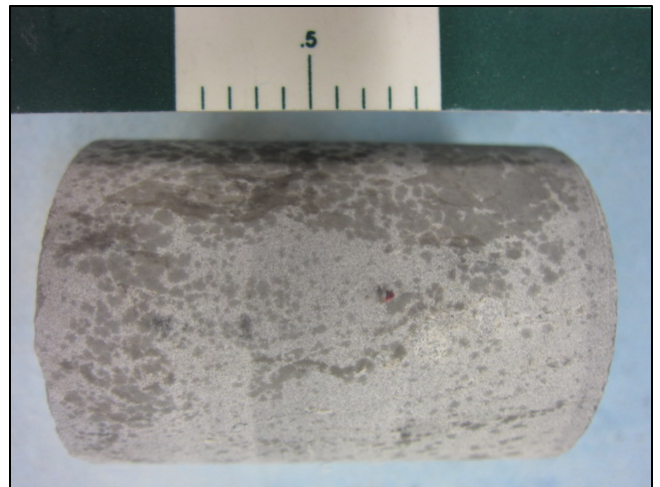
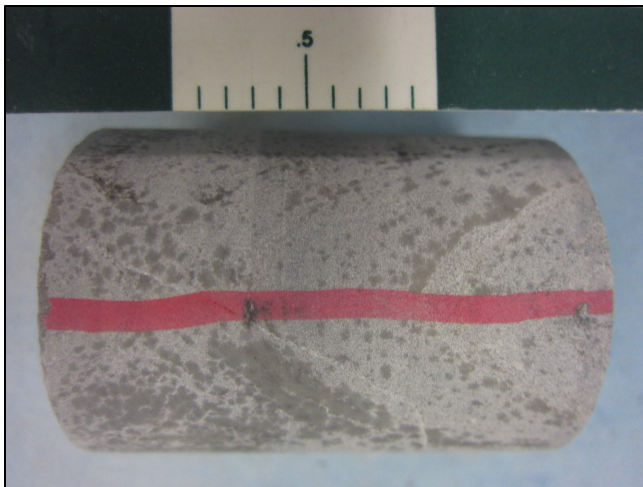
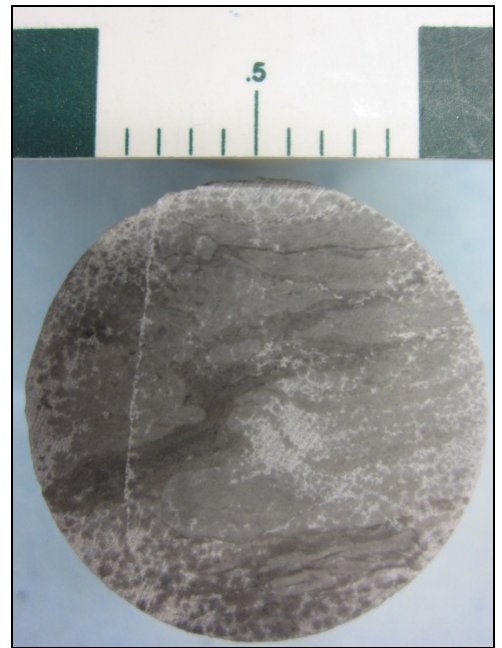
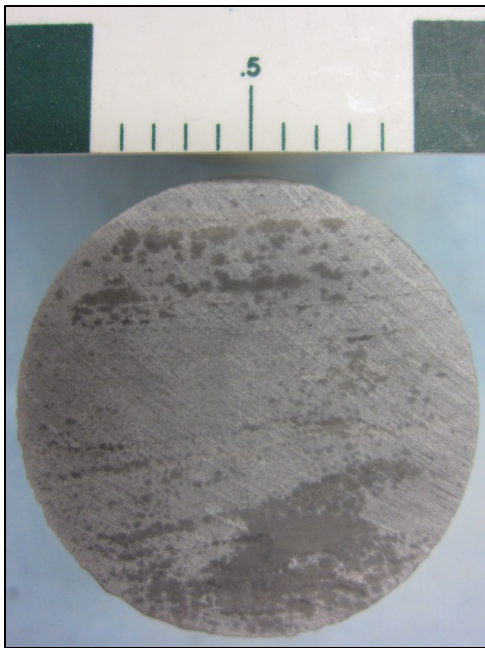
19-22
4507.9'



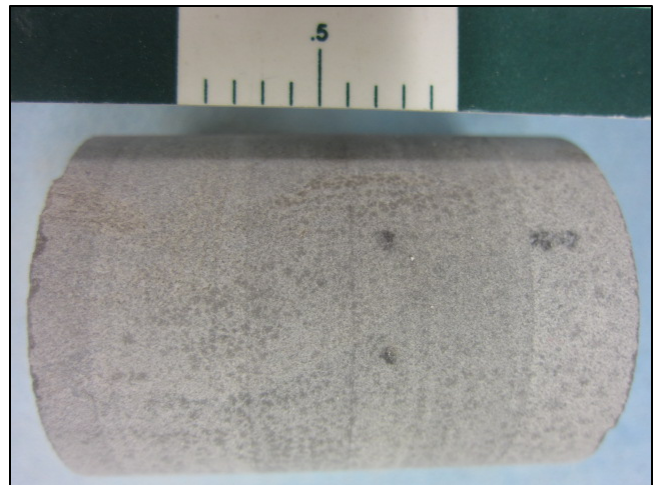
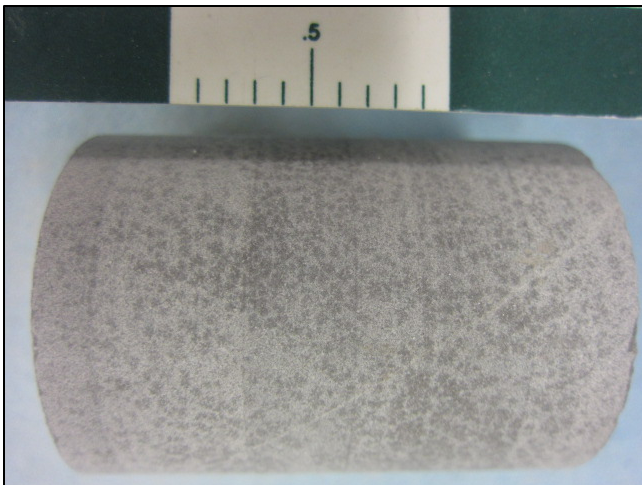
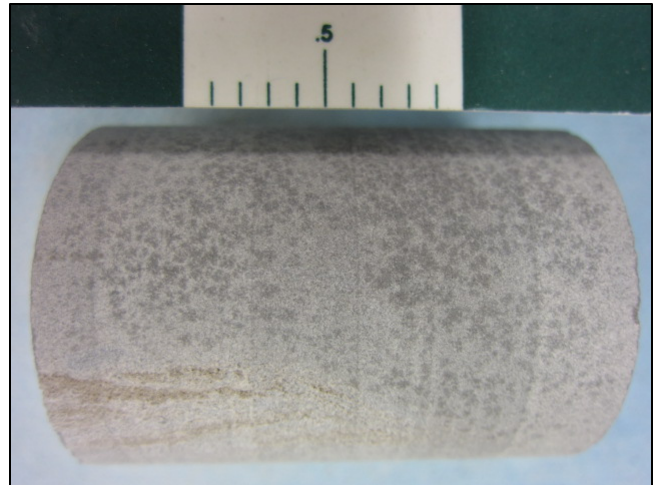
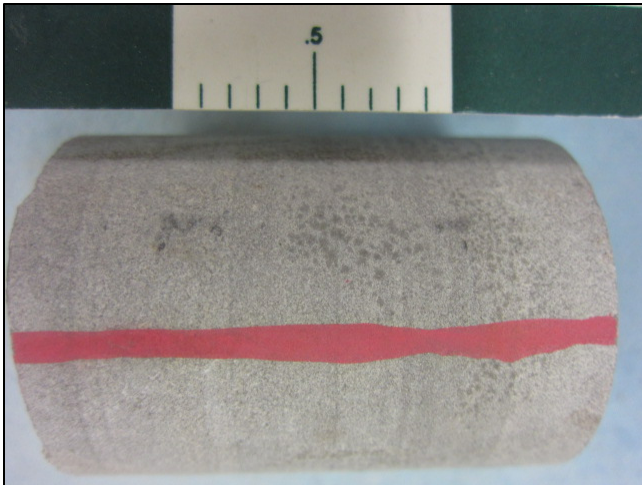
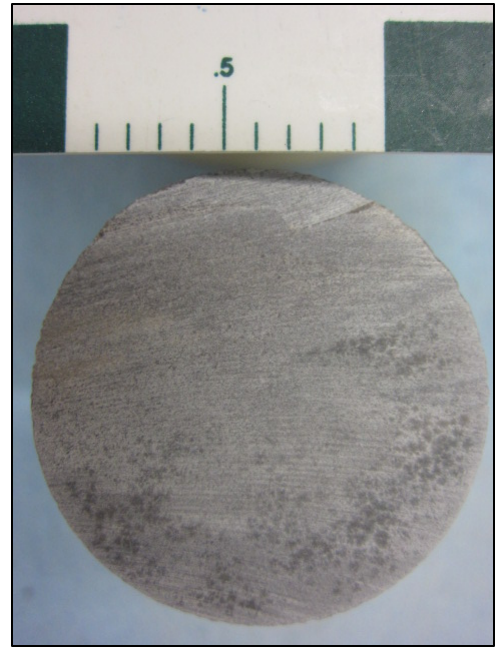
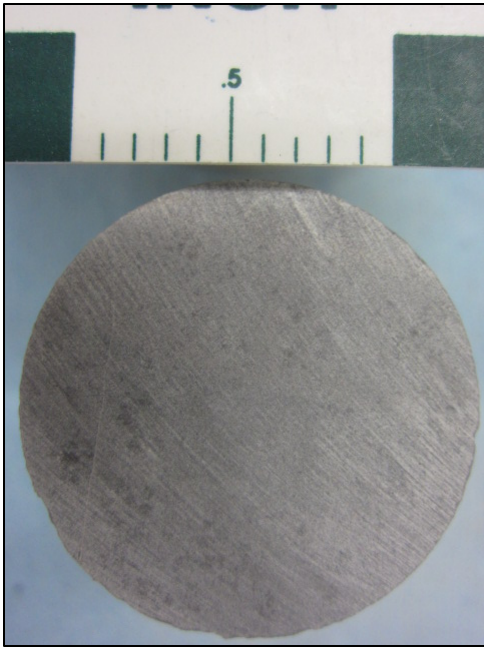
19-51
4515.3'



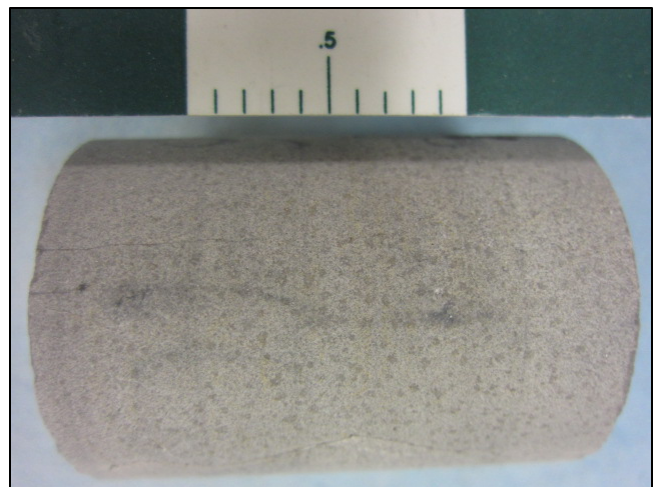
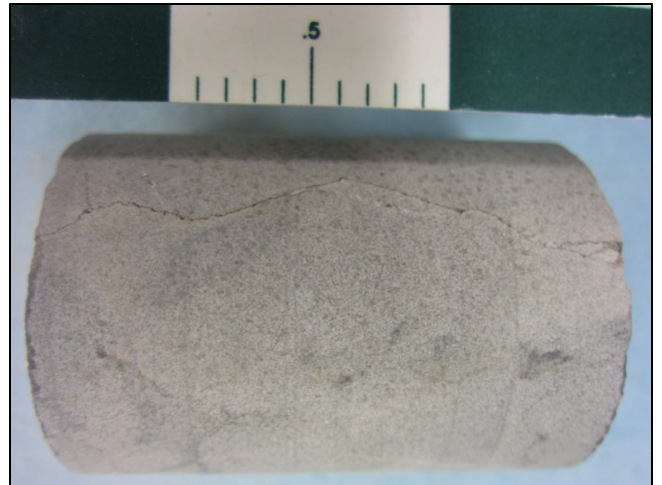
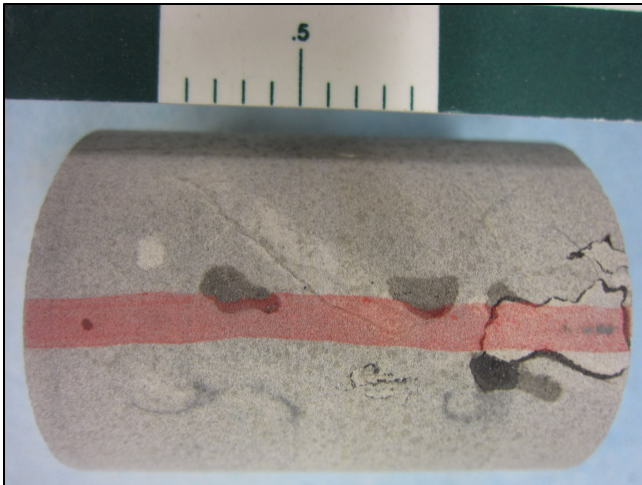
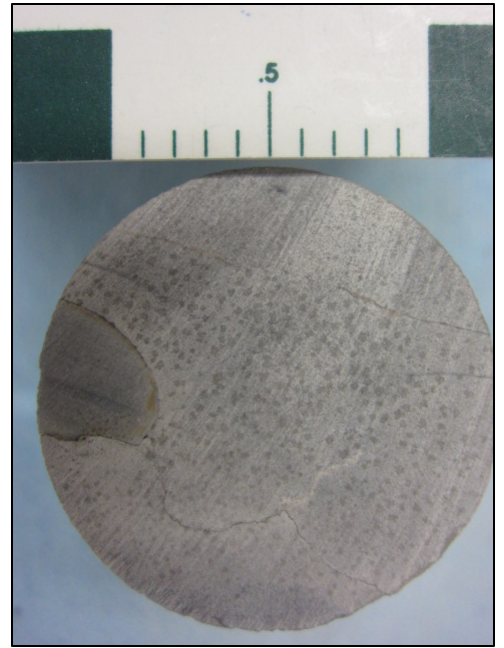
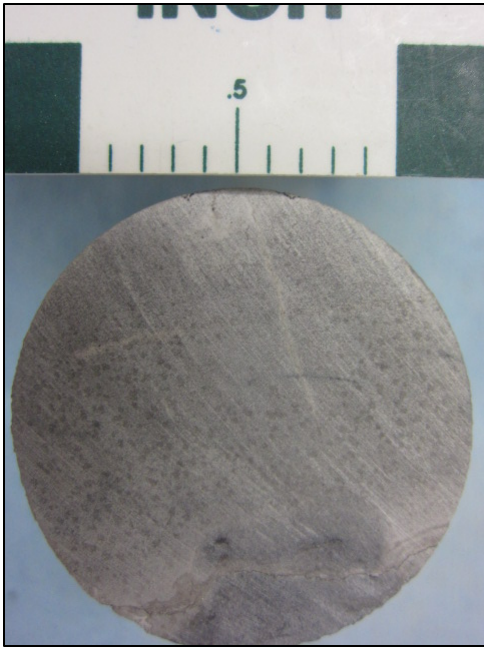
19-56
4519.0'



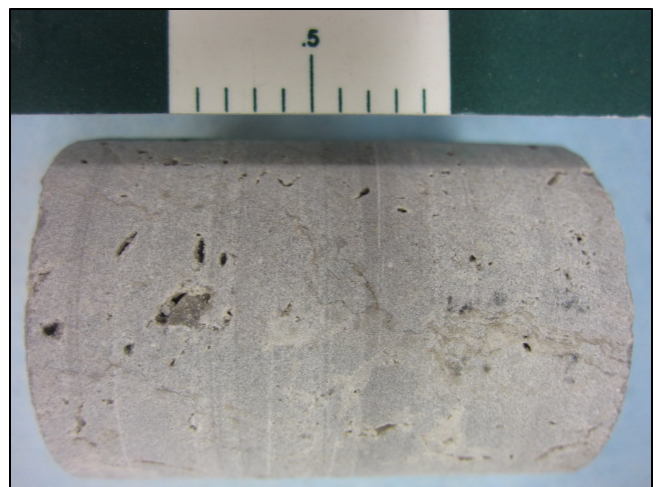
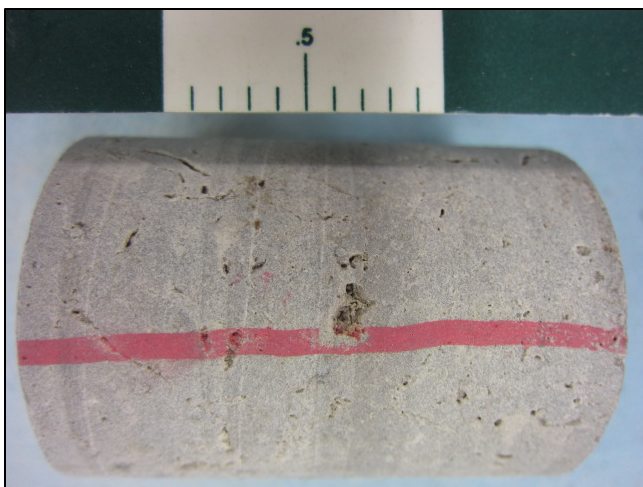
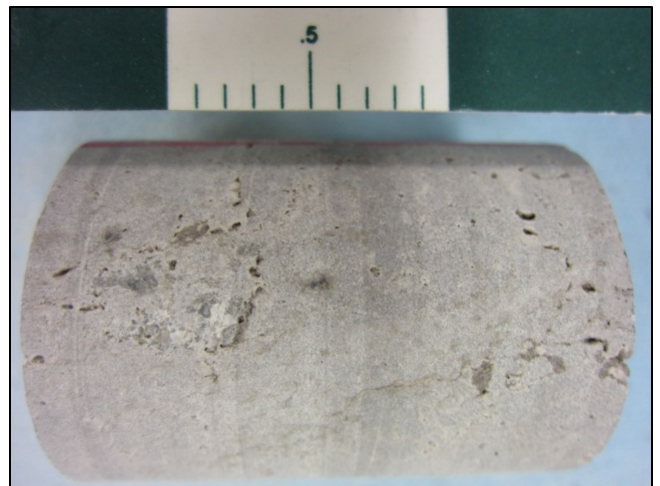
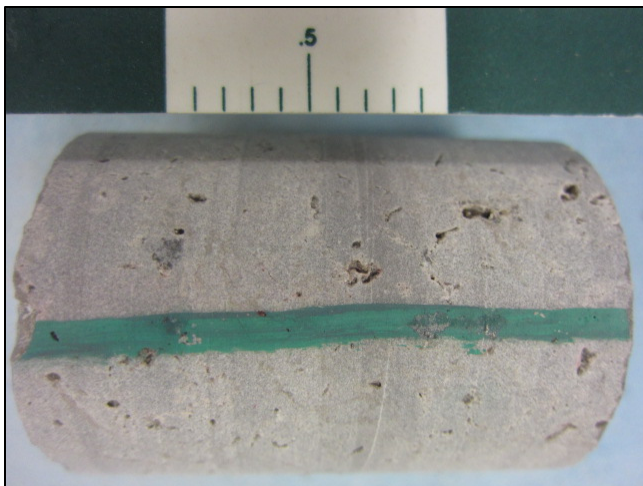
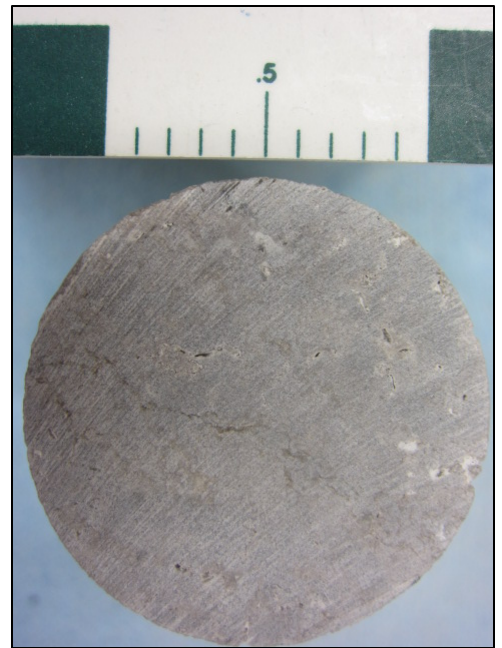
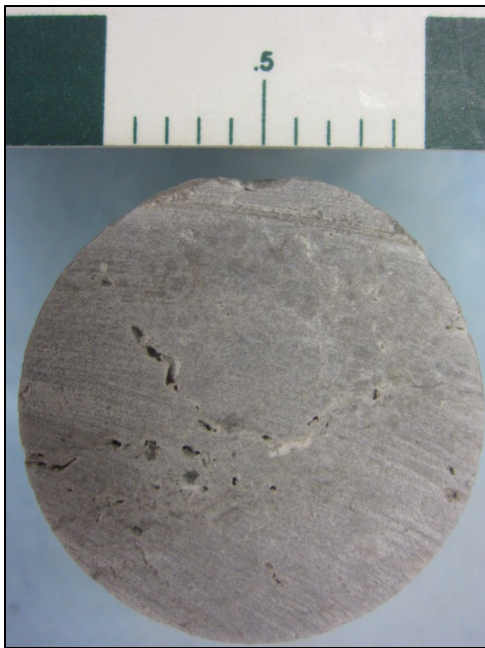
20-3
4523.1'



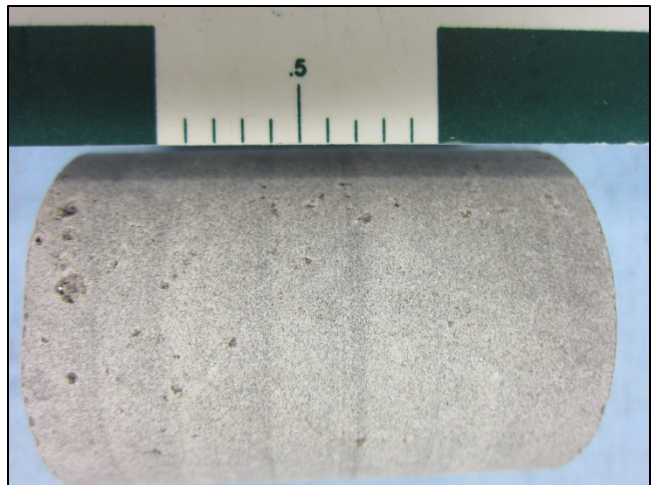
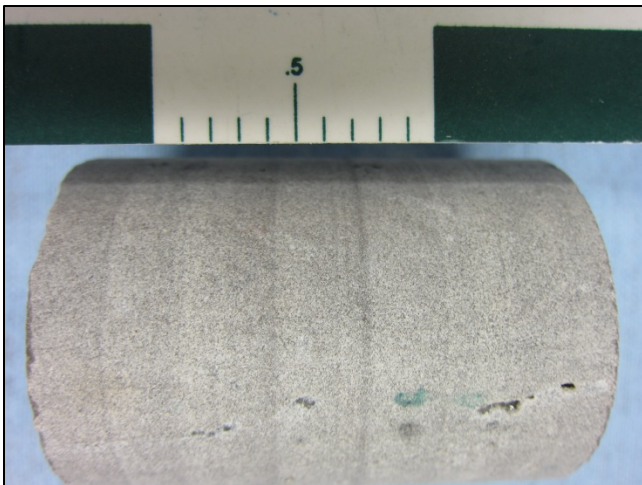
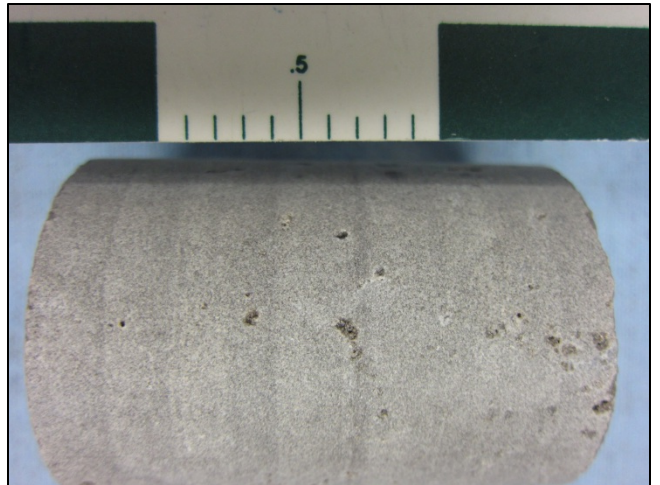
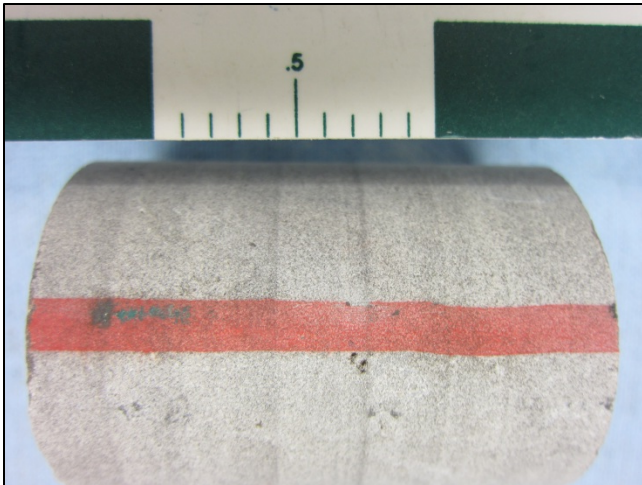
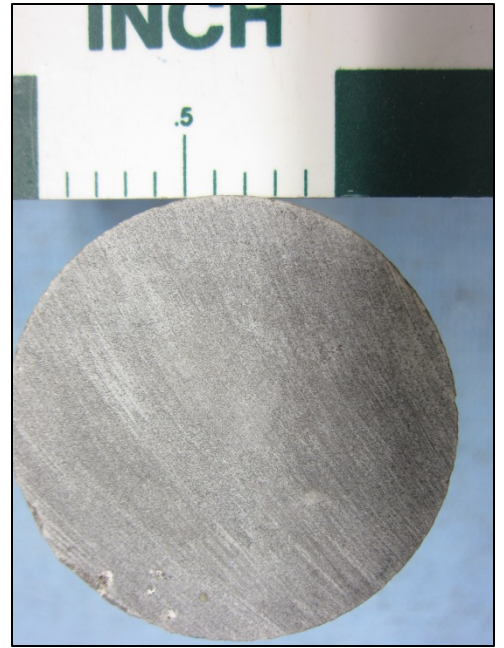
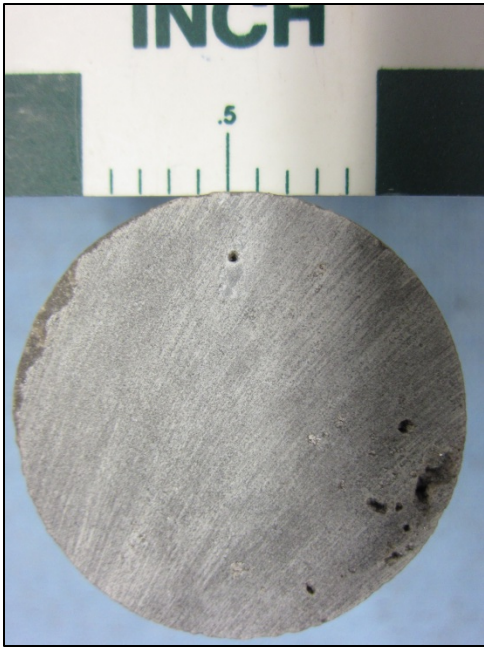
20-14
4534.7'

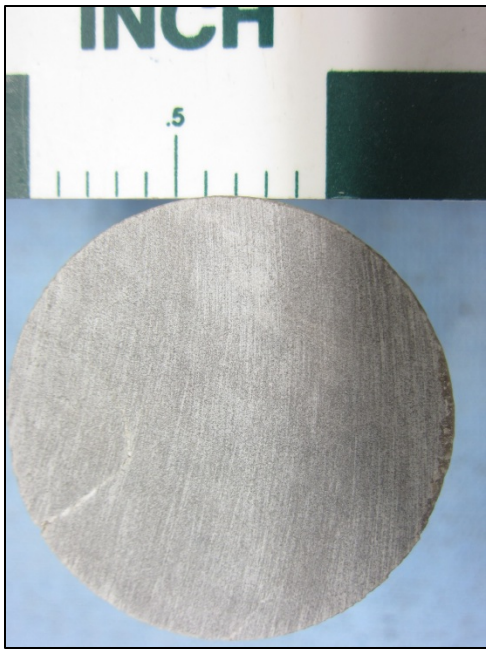


20-23
4543.1'

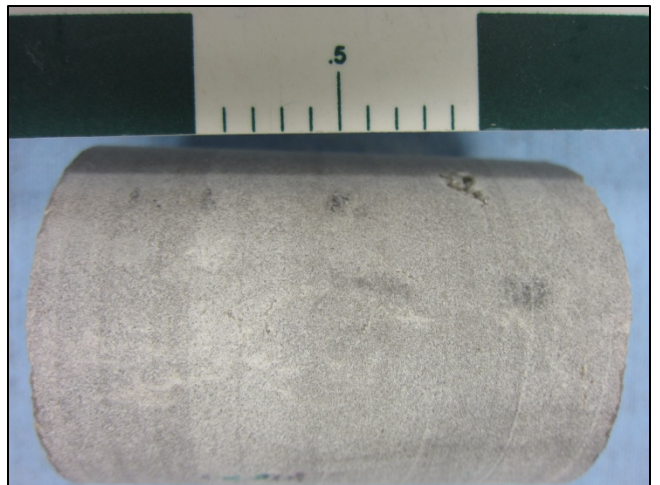
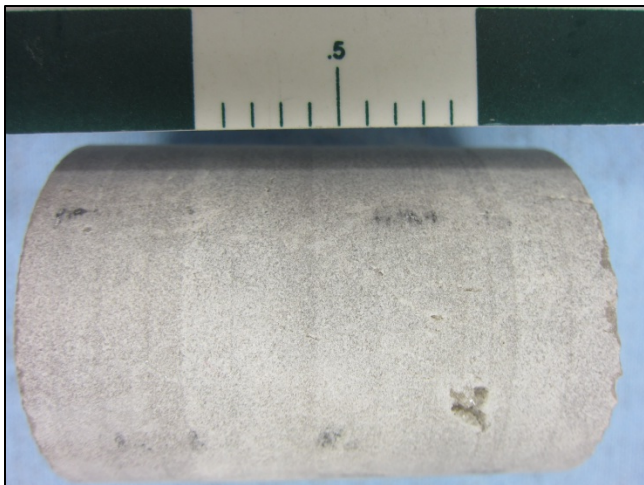
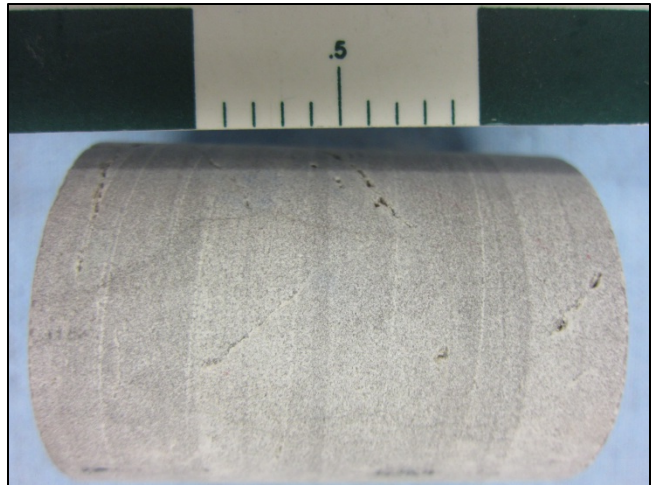
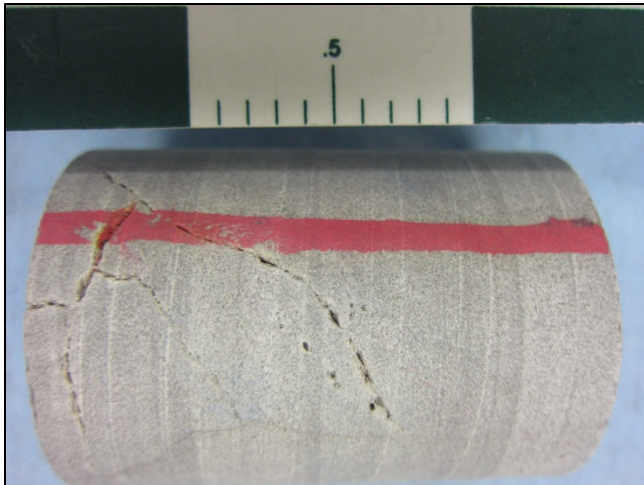
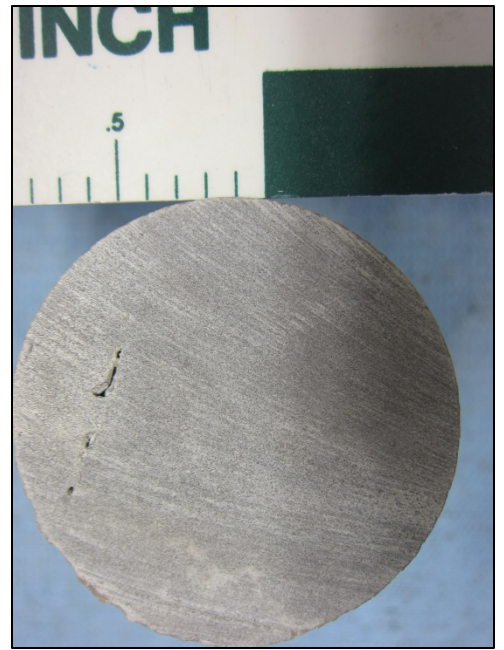


20-30
4550.9'

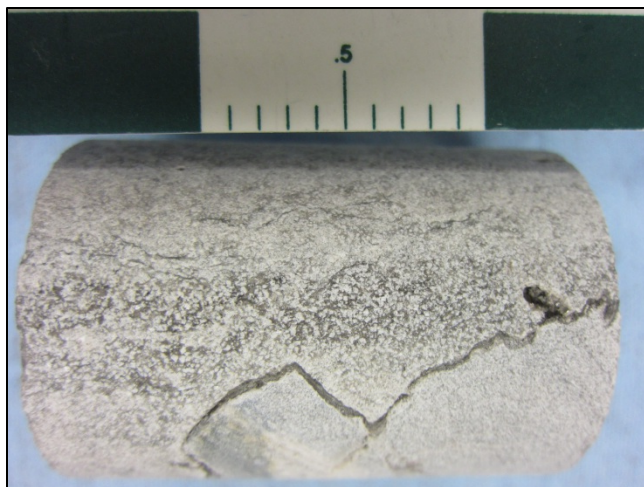
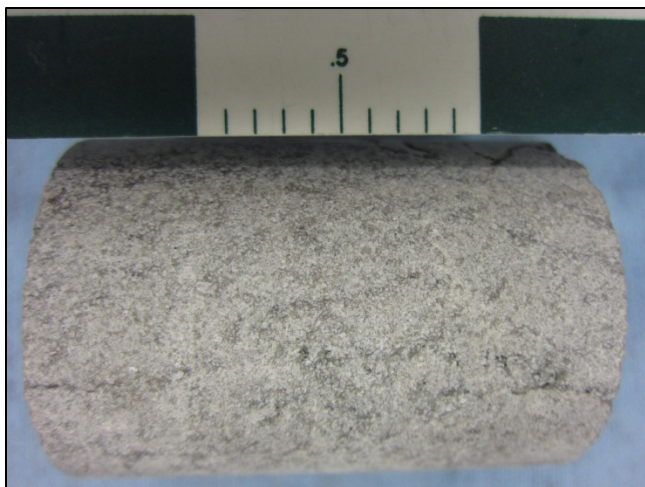
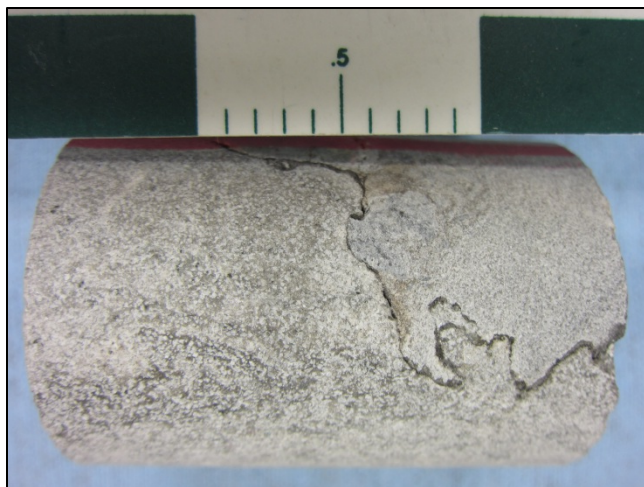
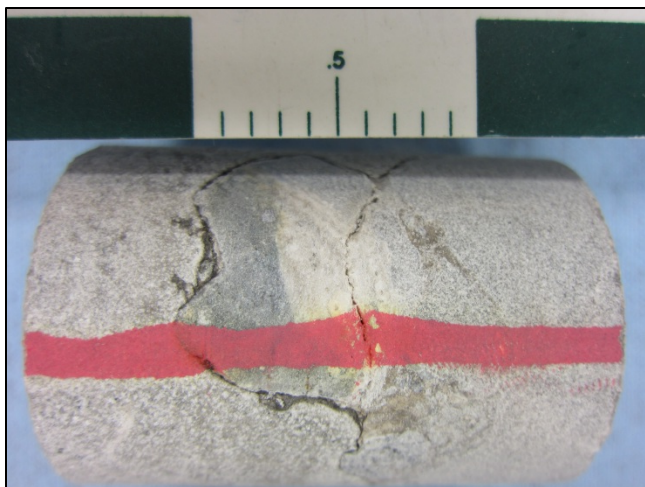


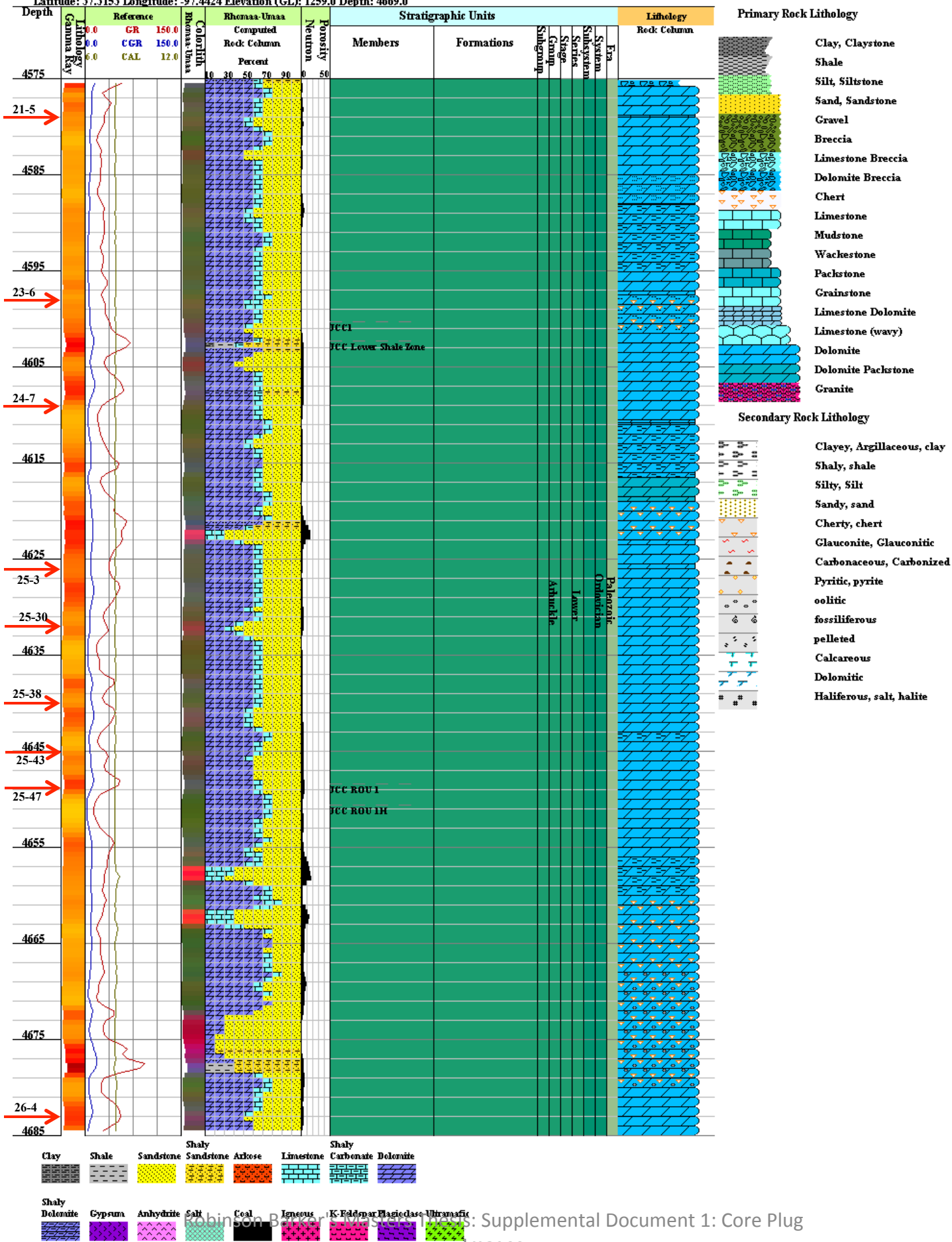


20-37
4557.1'



20-50
4570.1'





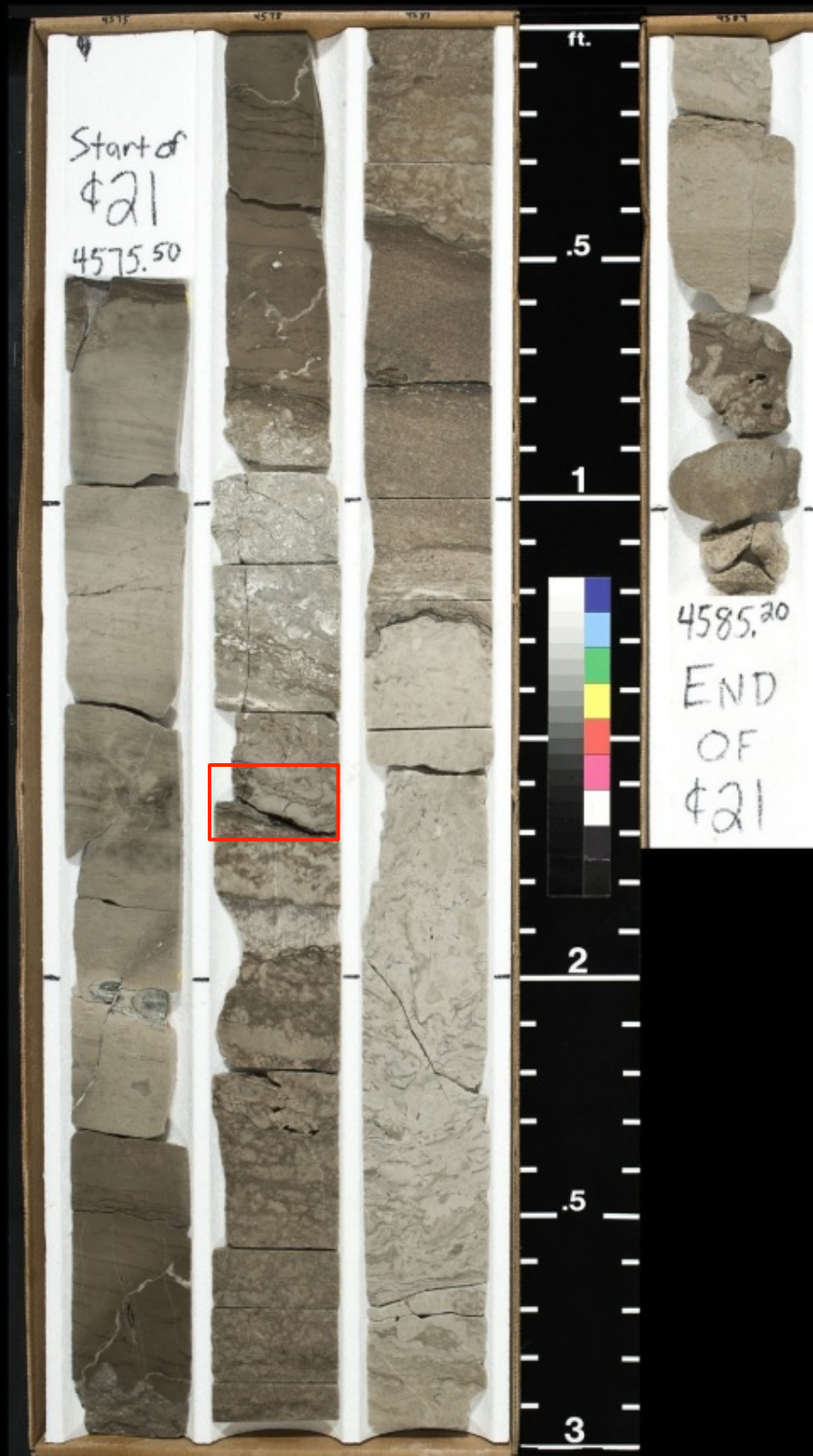
4575

4578

4581

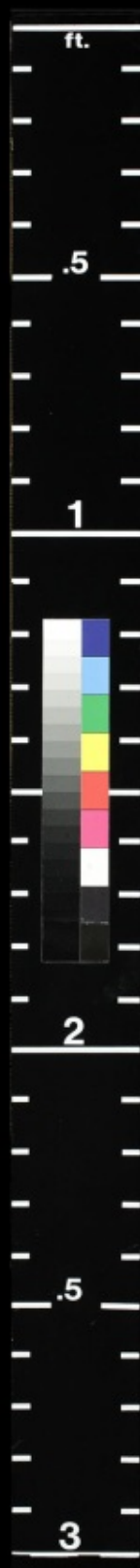
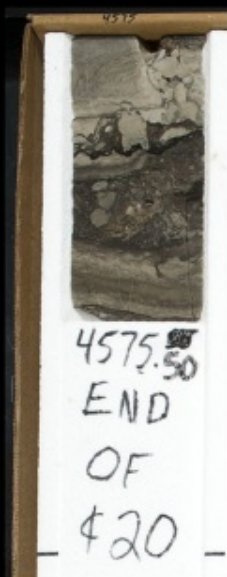
CORE 21

4584



4575

CORE 20

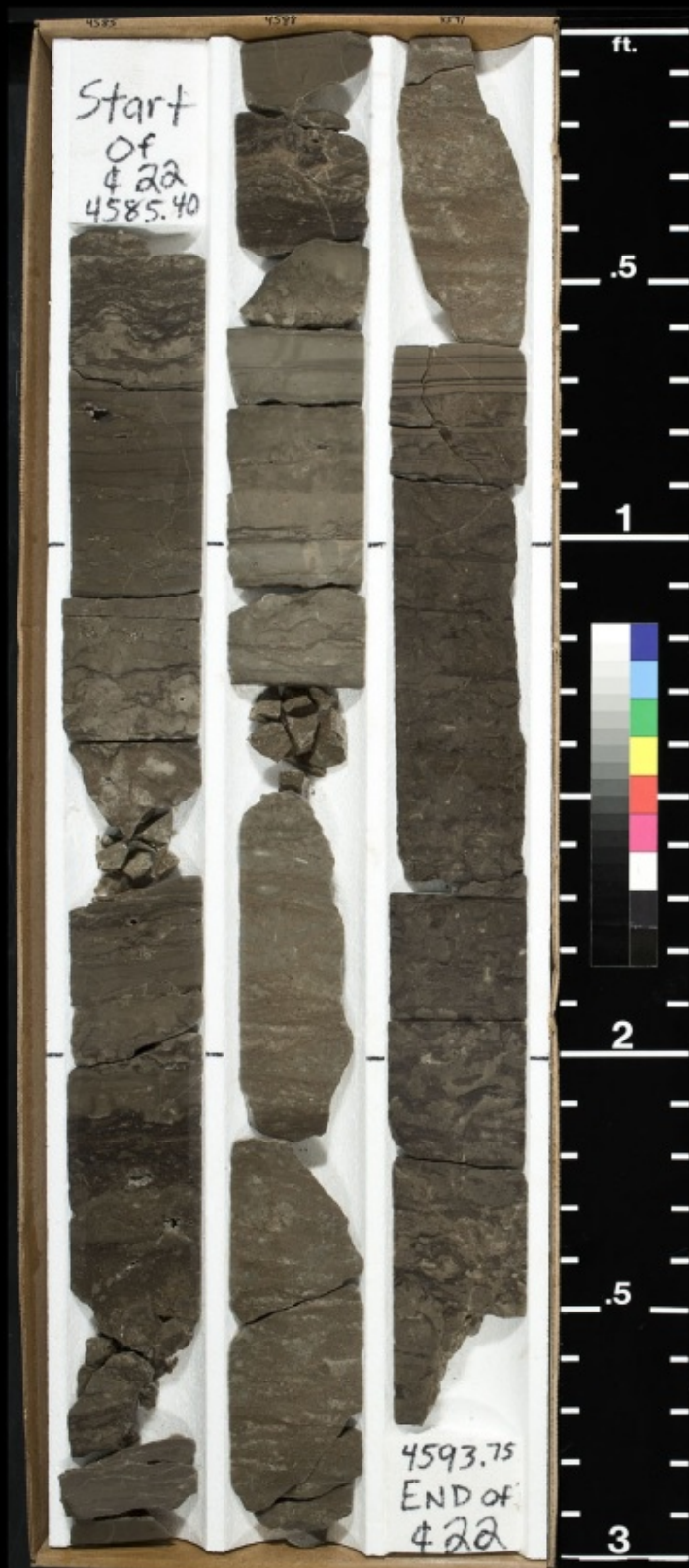


4585

4588

4591

CORE 22



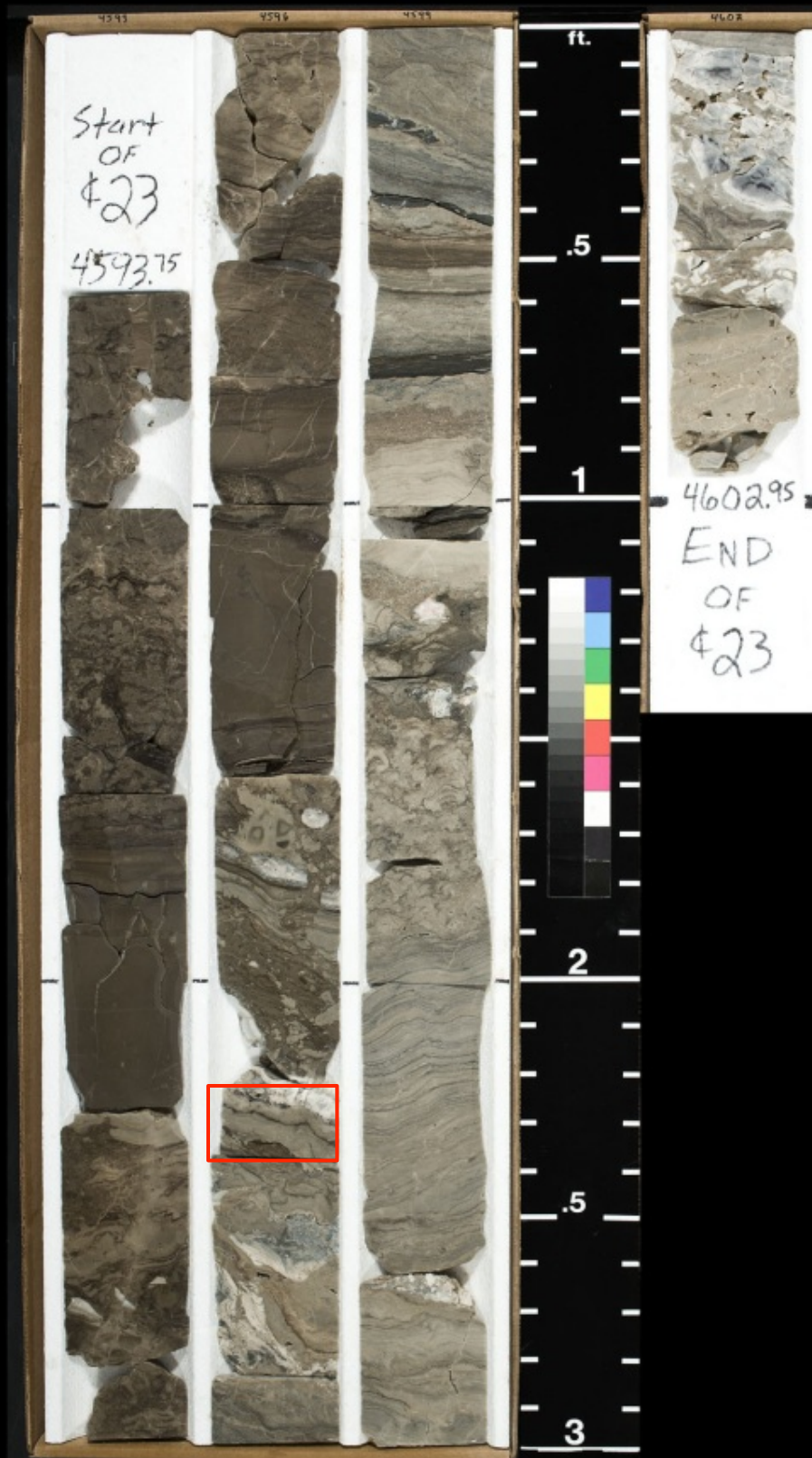
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4596

4599

CORE 23

4602



4603

4606

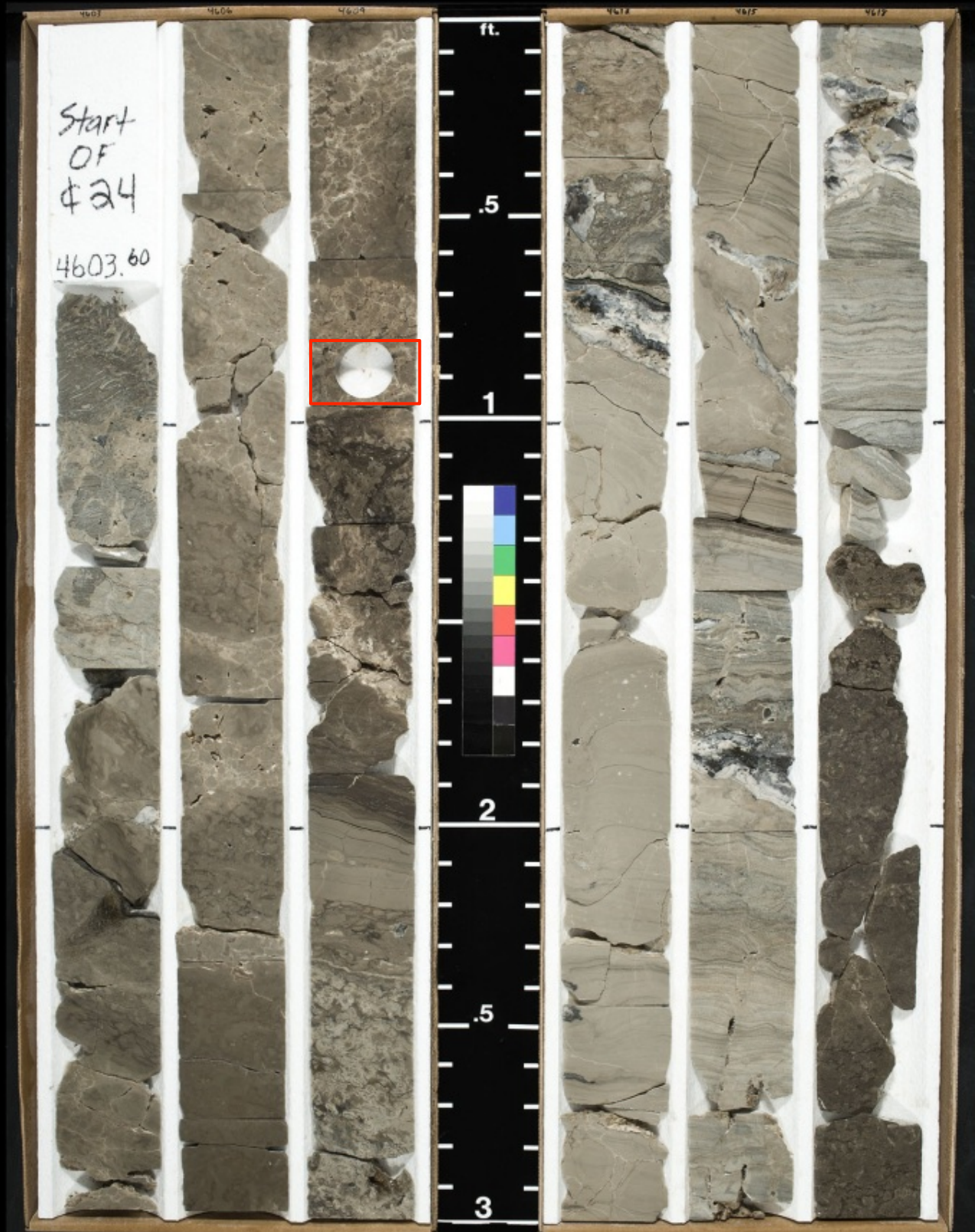
4609

CORE 24

4612

4615

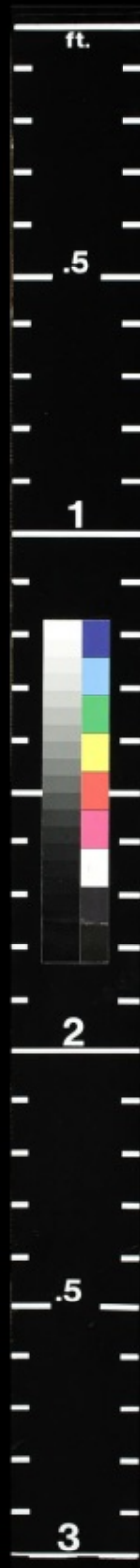
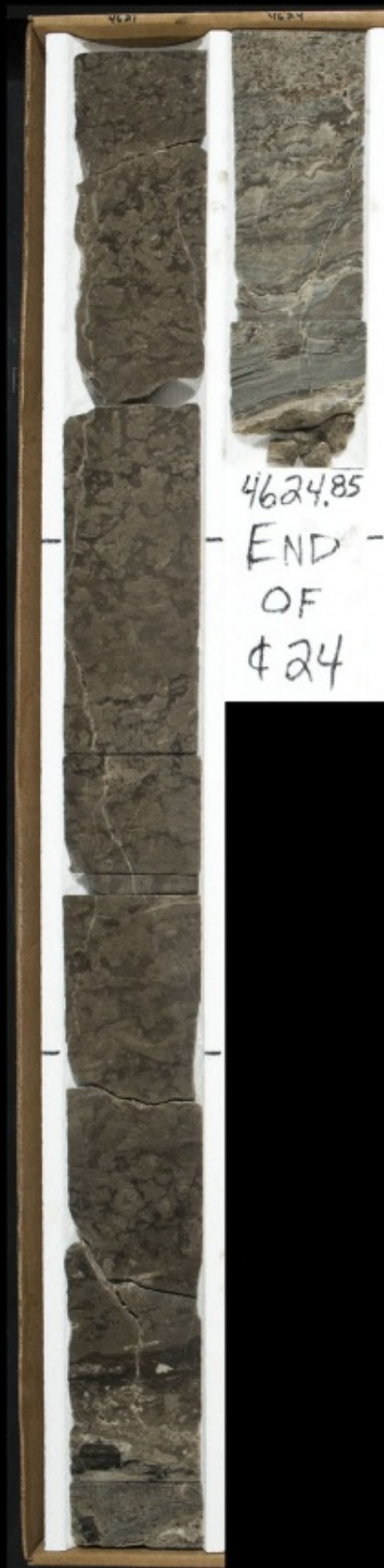
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4621

4624

CORE 24



4624

4627

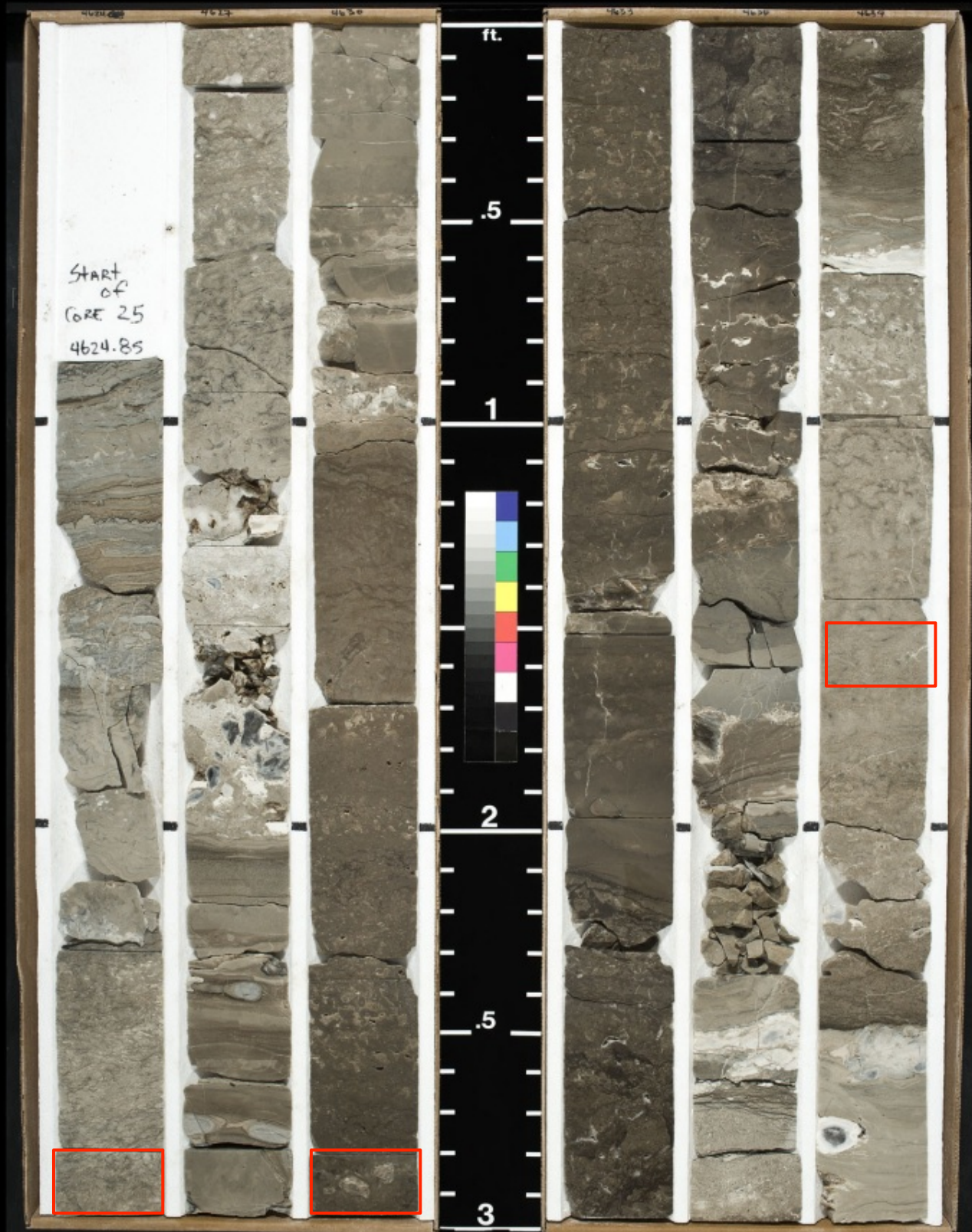
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CORE 25

4633

4636

4639



4642

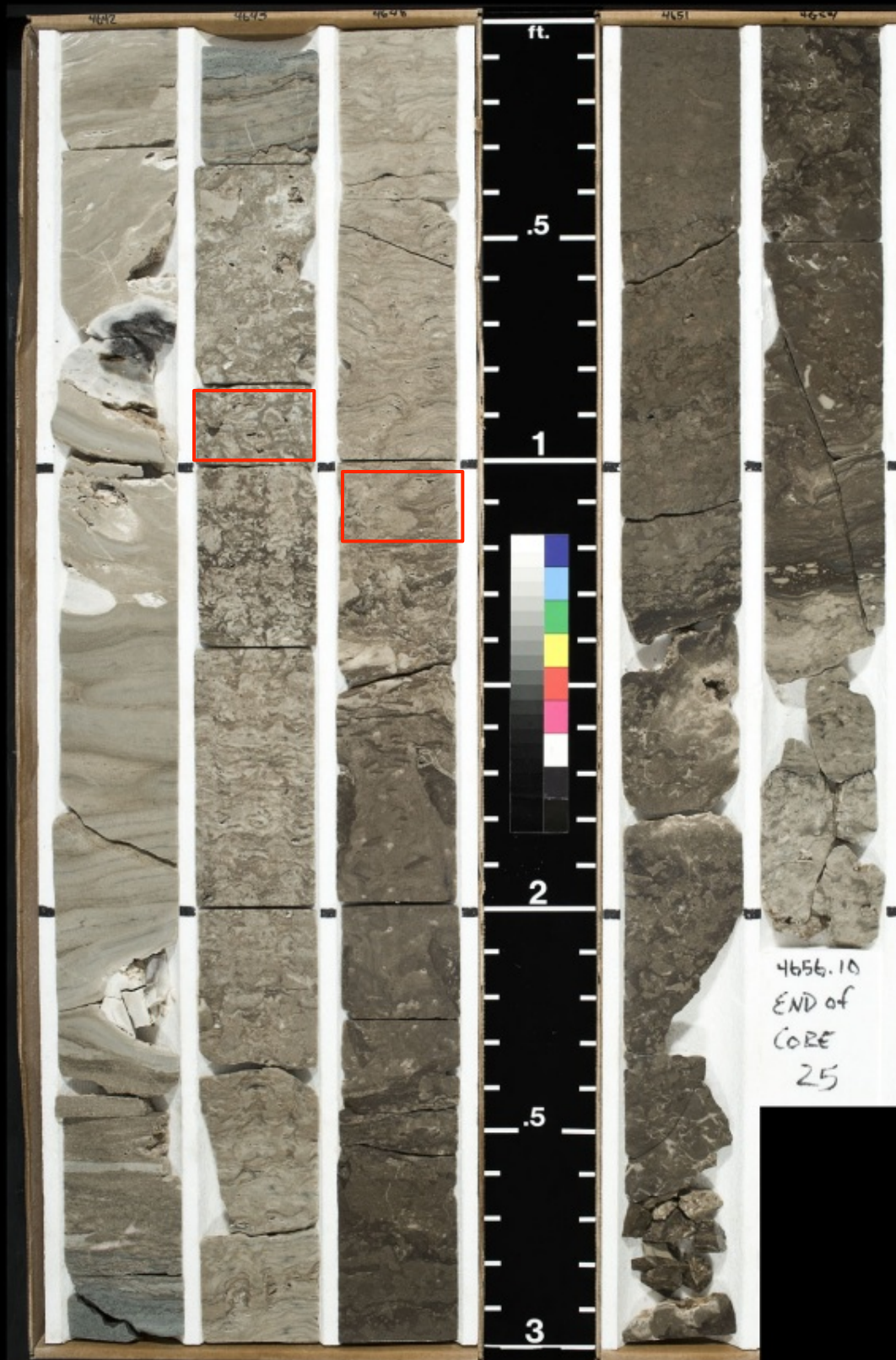
4645

4648

CORE 25

4651

4654



4680

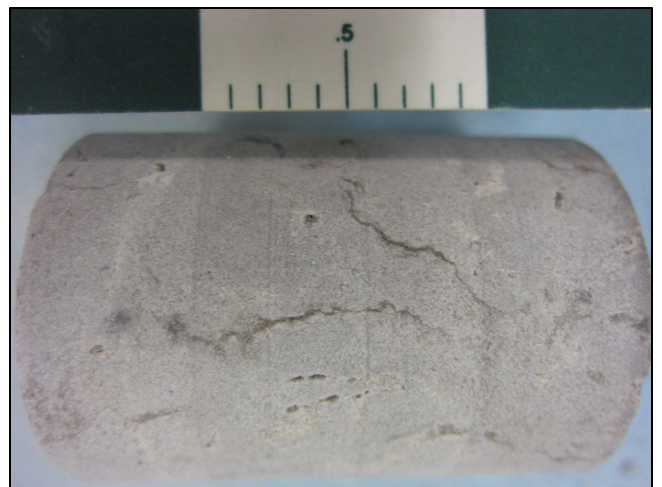
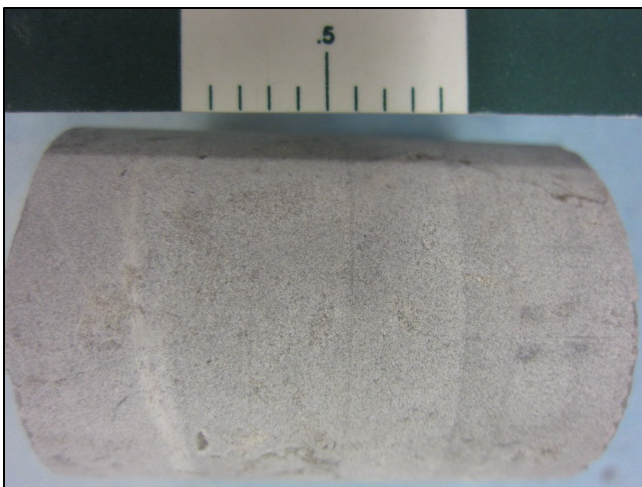
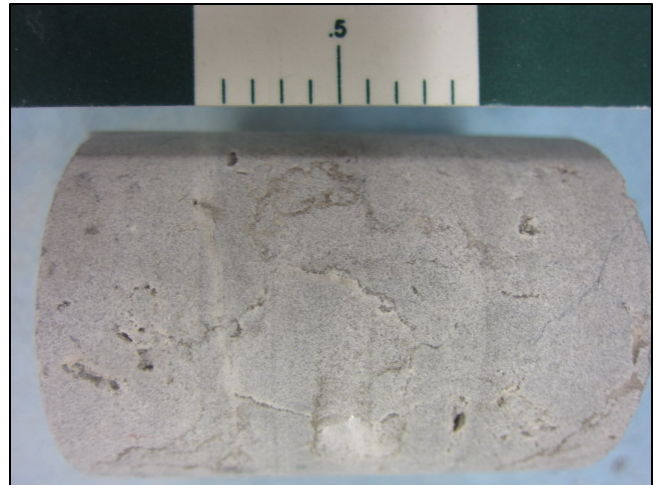
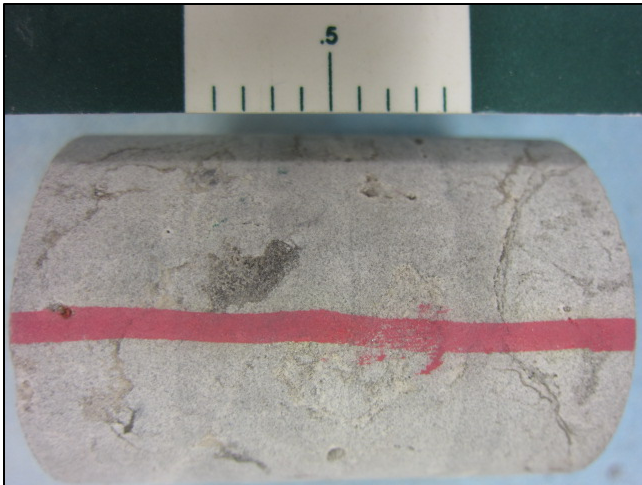
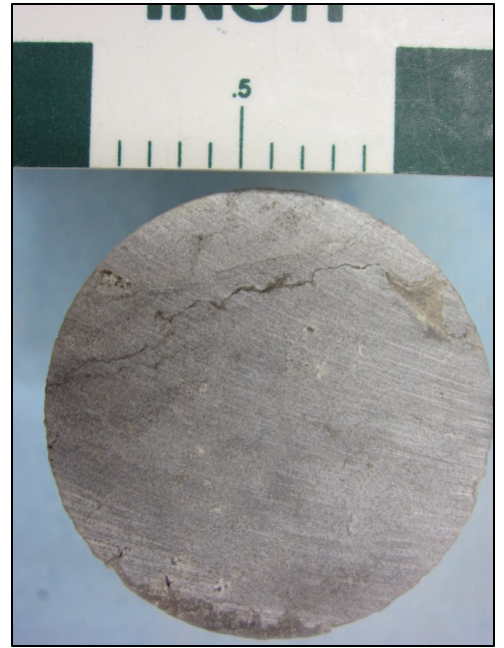
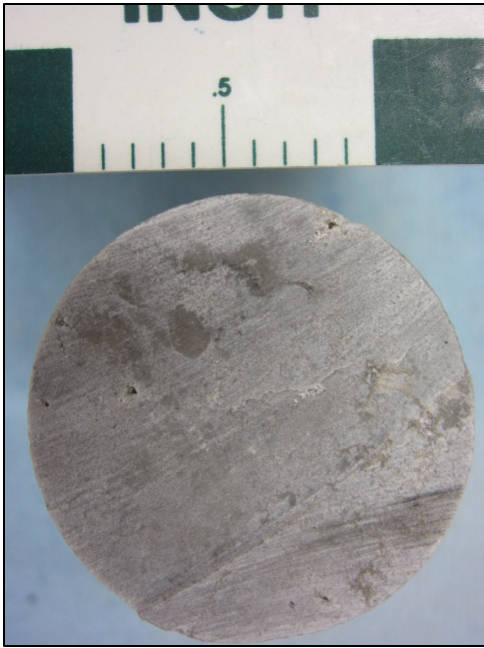
4683

4686

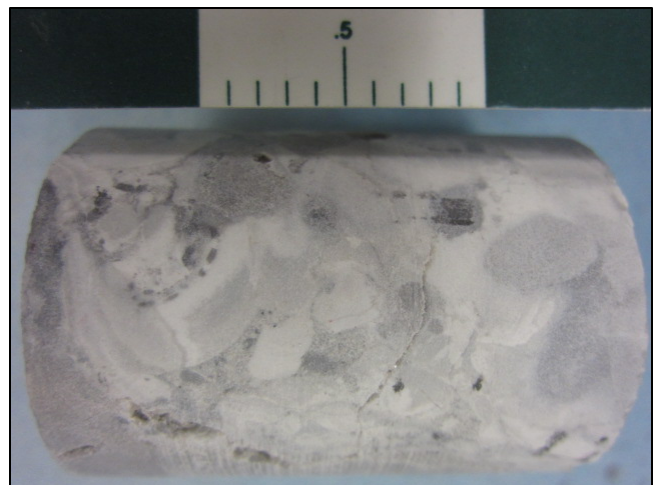
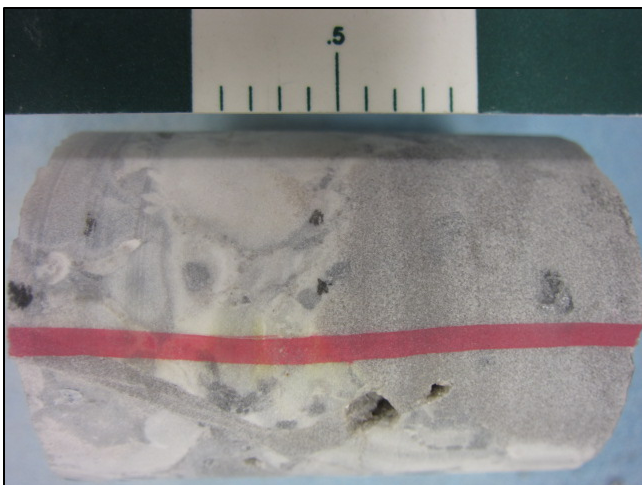
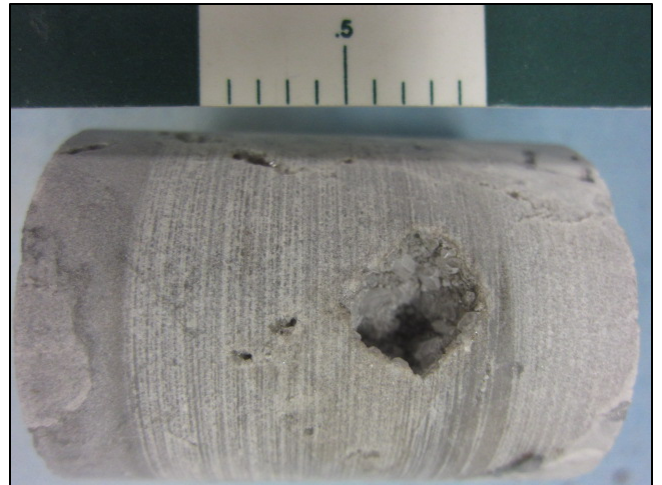
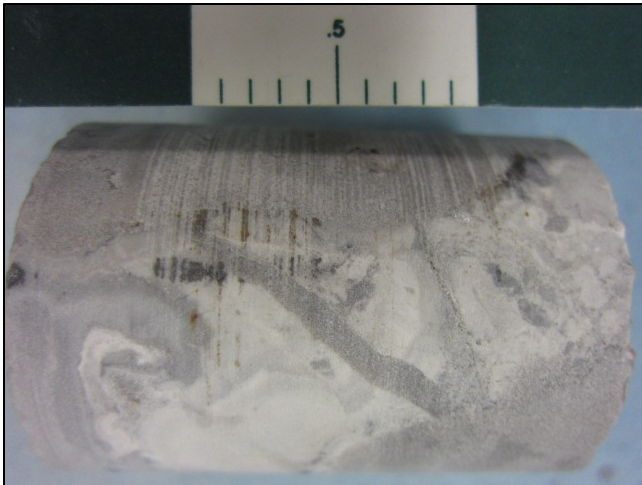
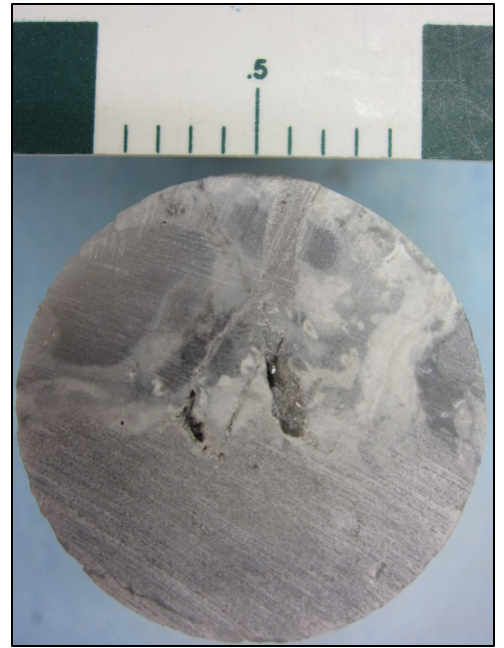
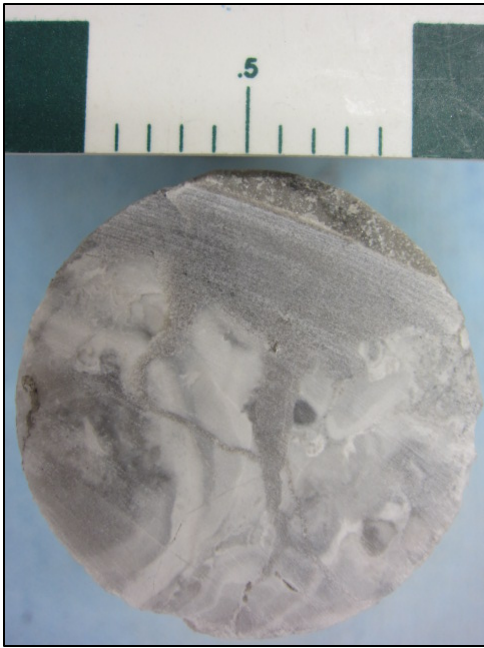
CORE 26



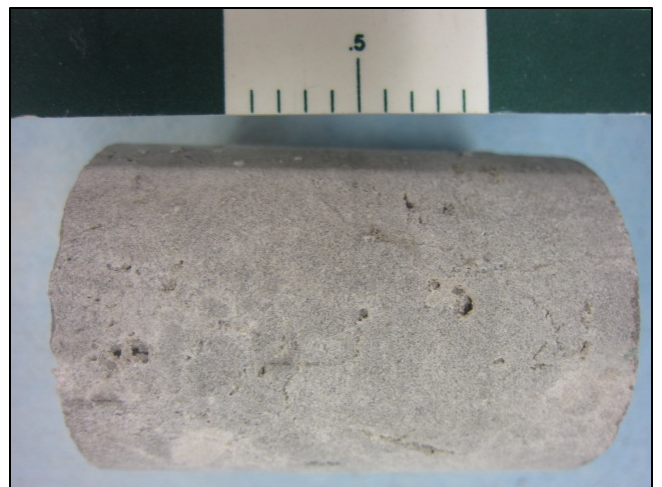
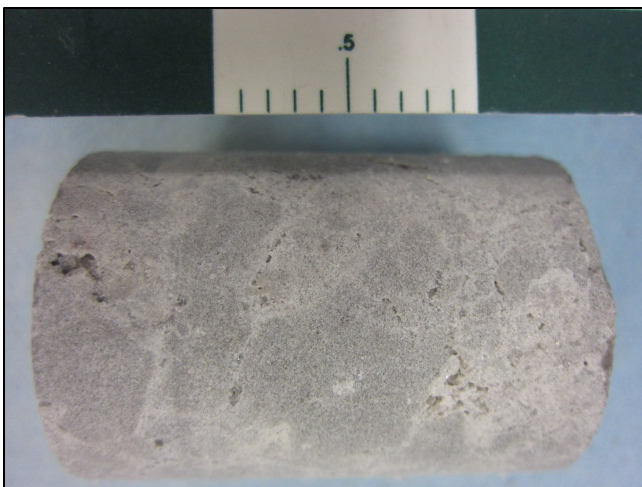
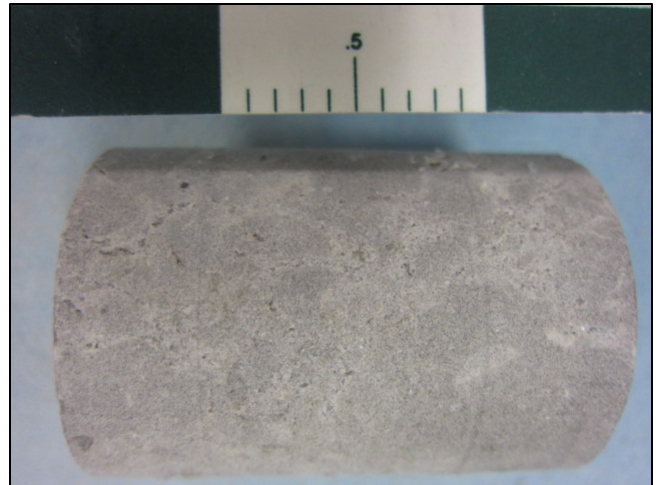
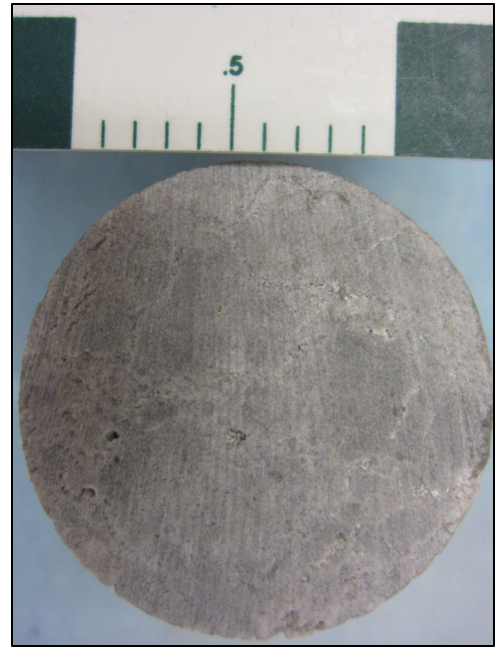
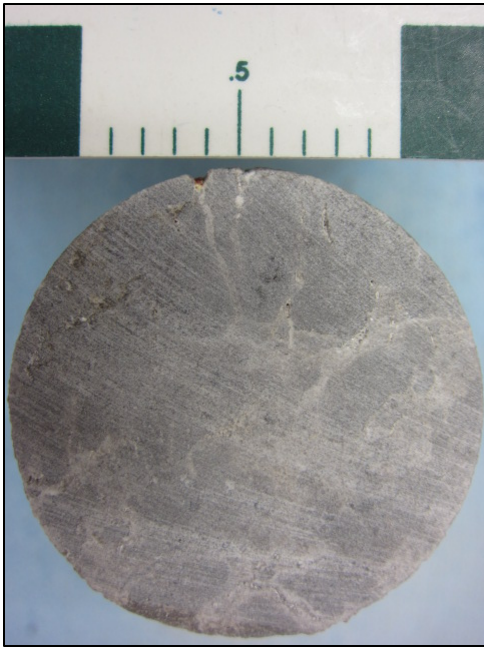
21-5
4579.7'



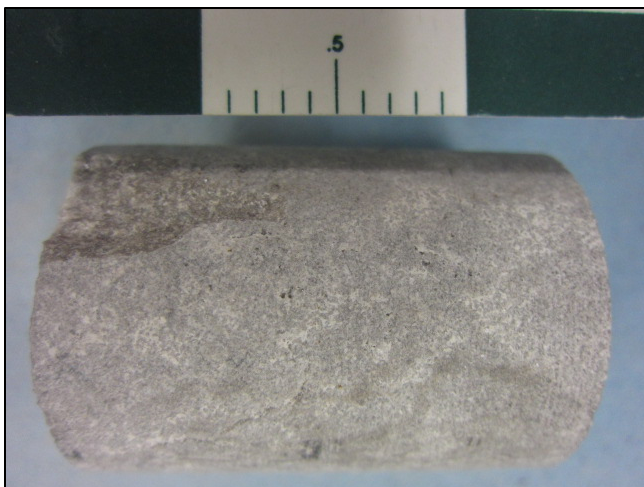
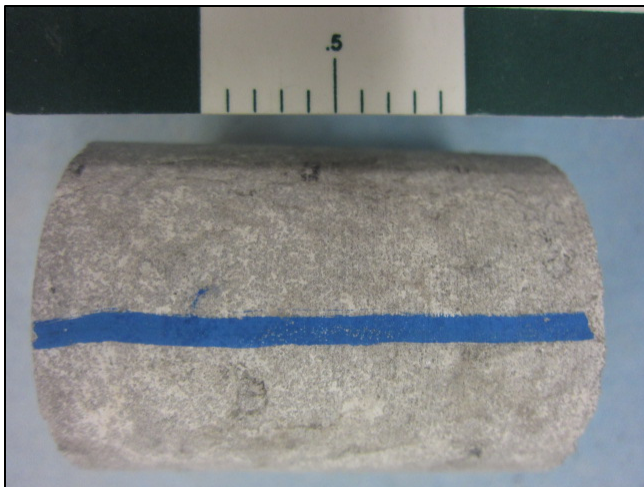
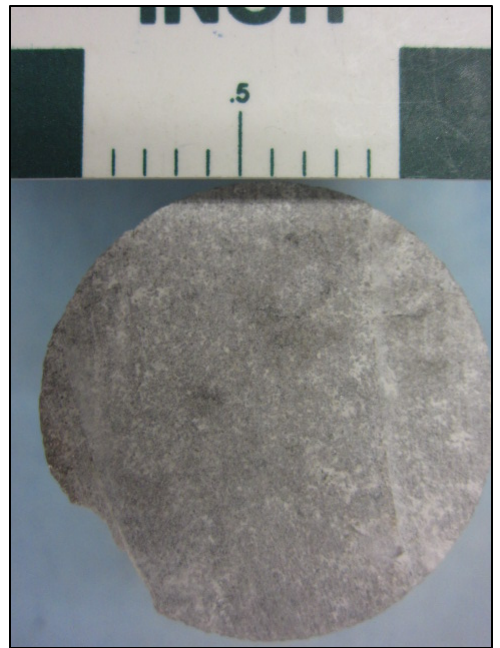
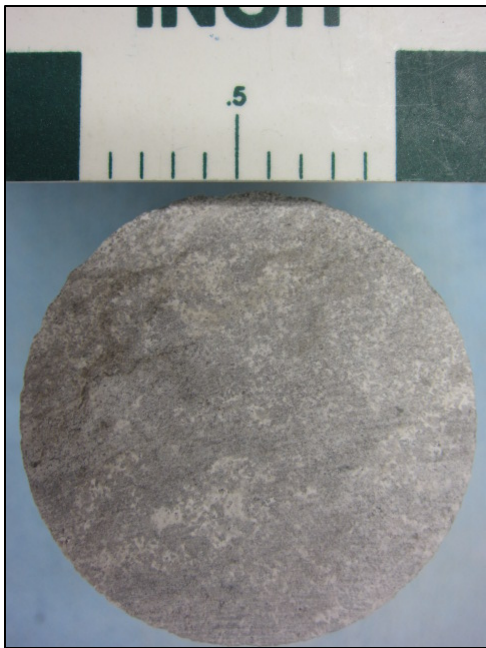
23-6
4598.3'



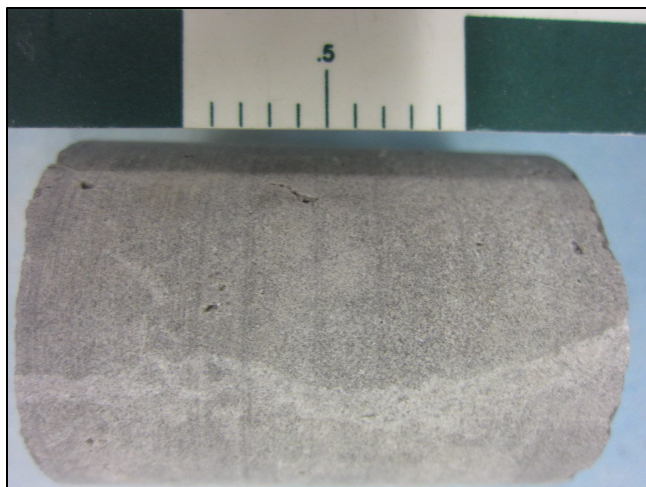
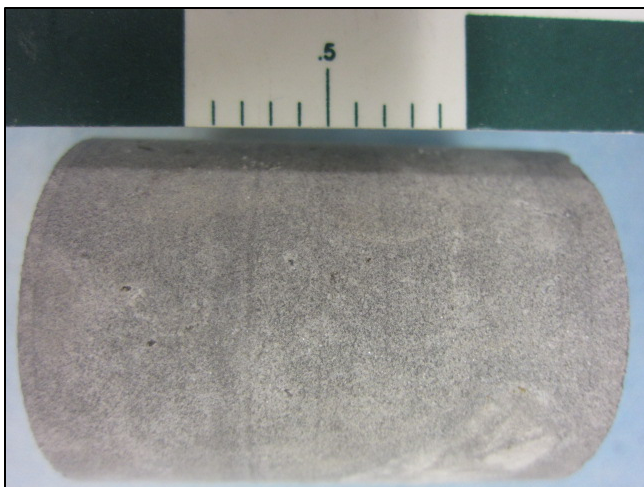
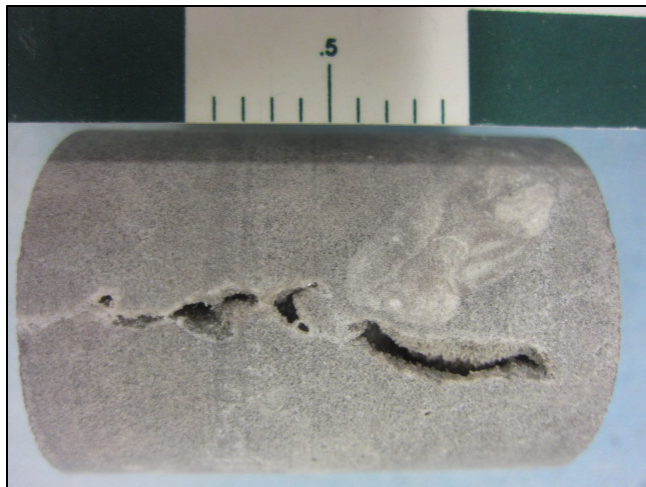
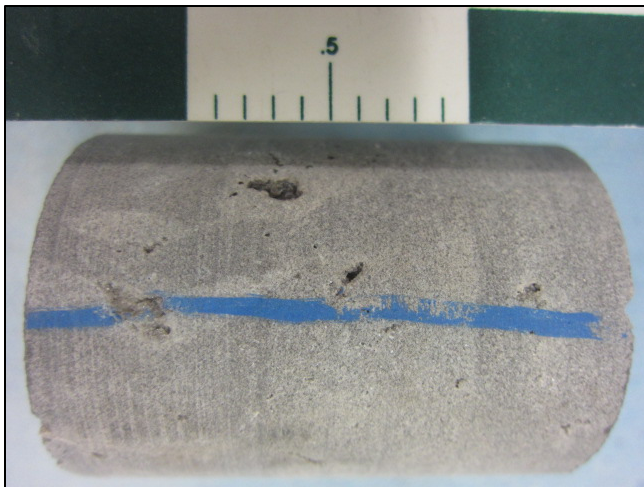
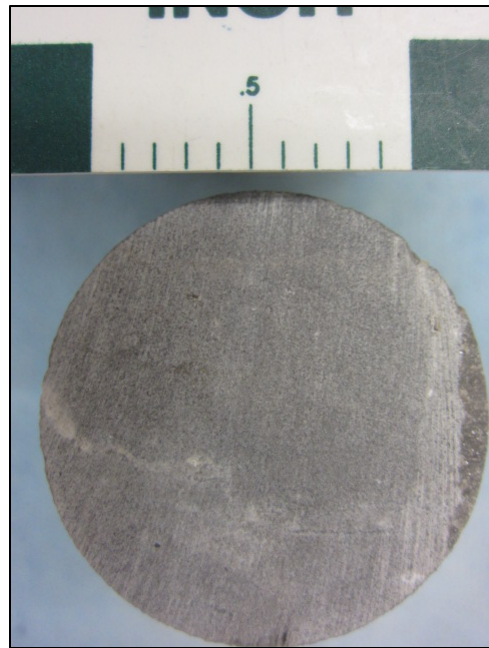
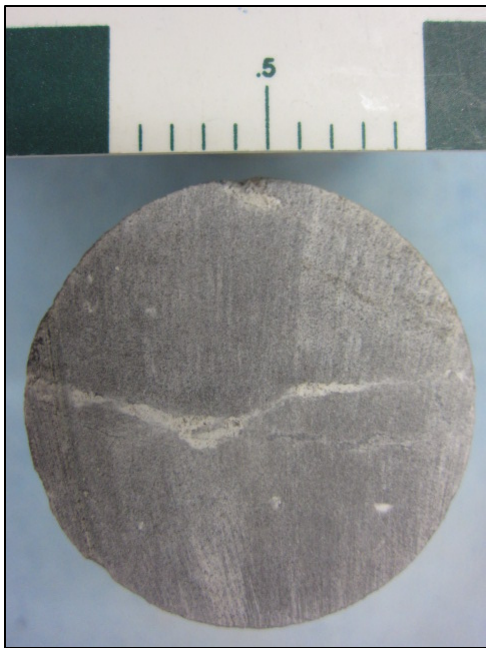
24-7
4609.9'



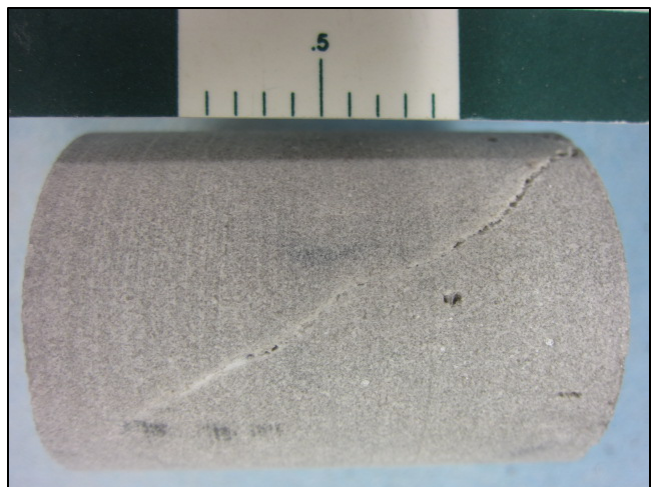
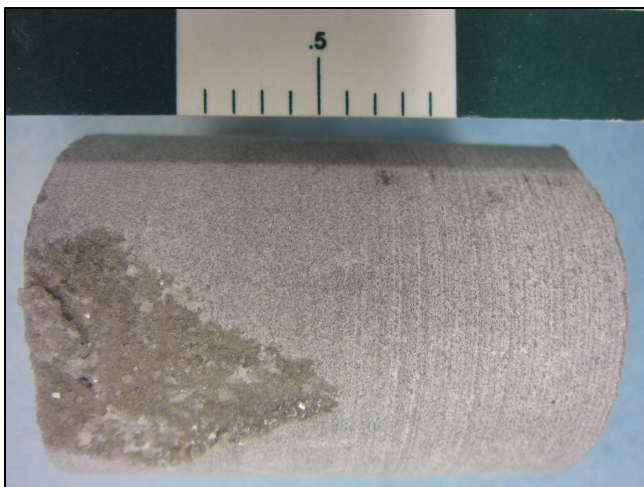
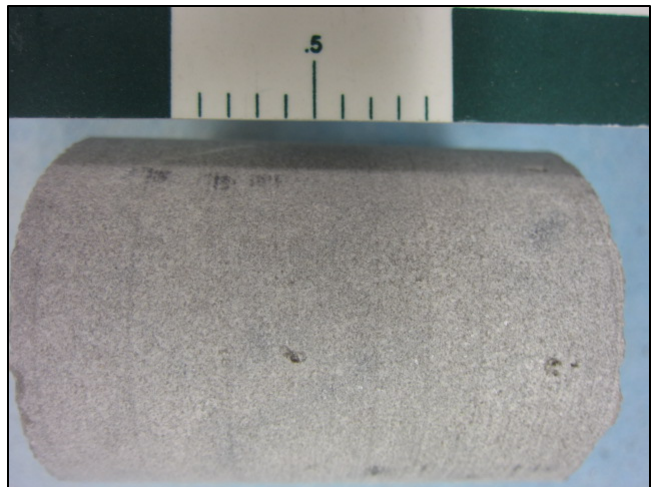
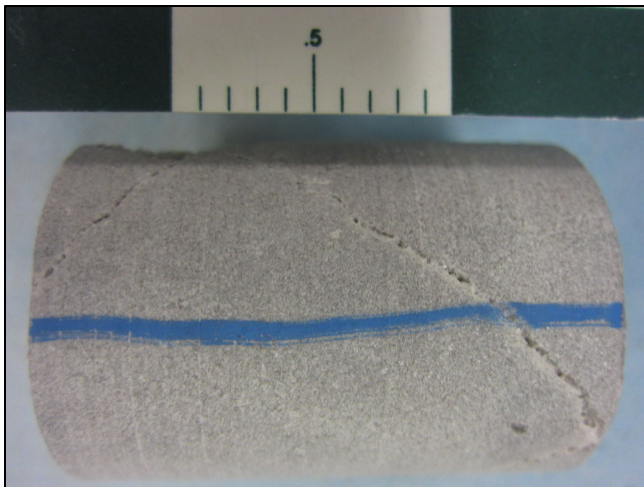
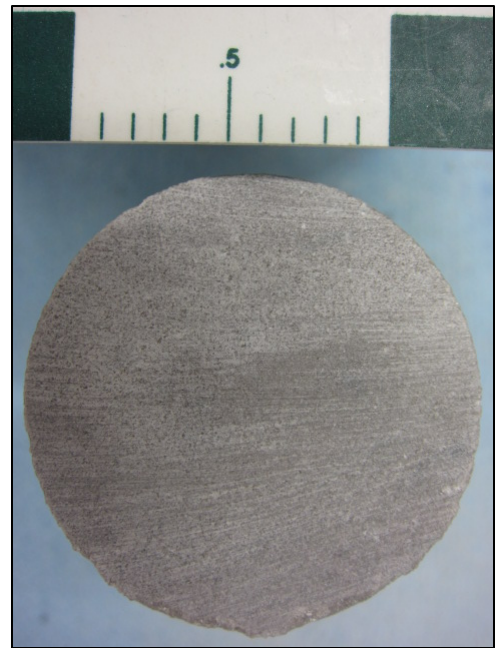
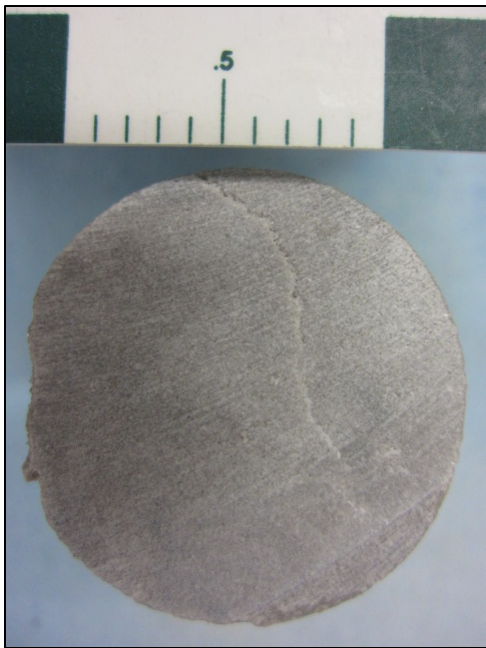
25-3
4626.9'



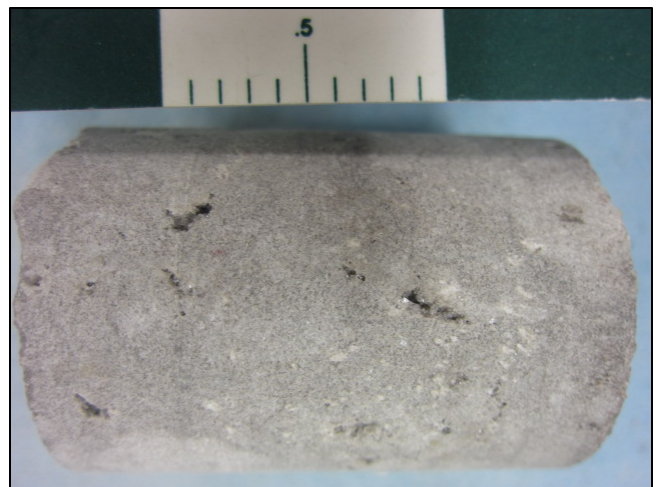
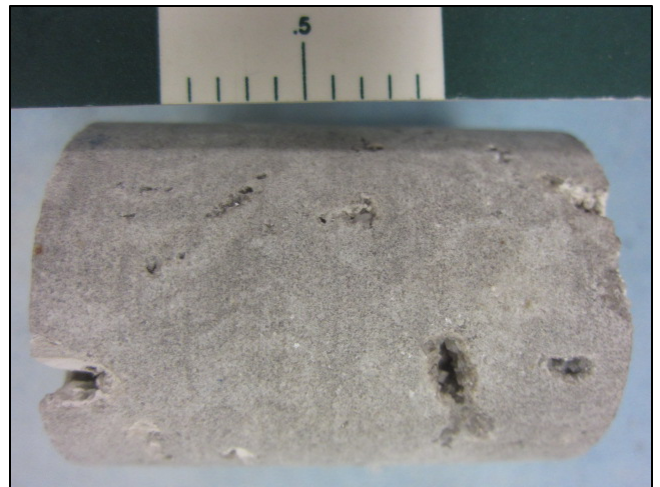
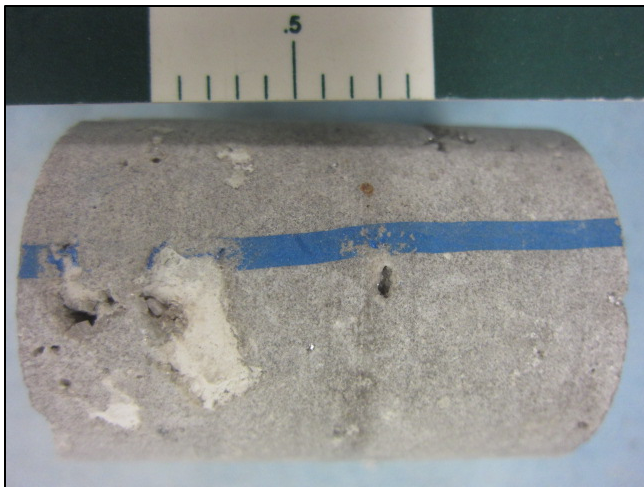
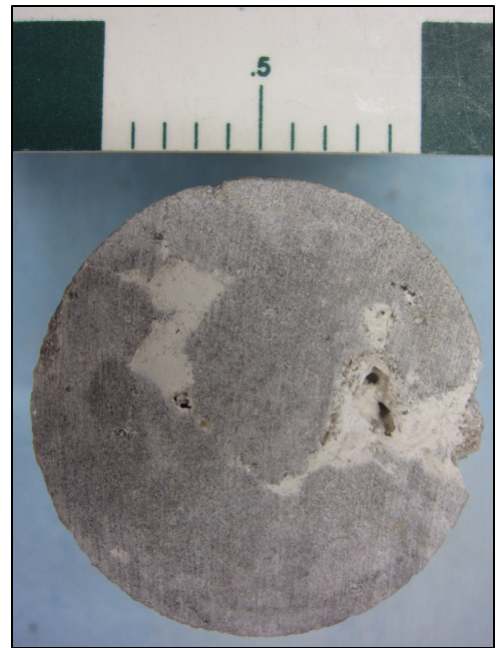
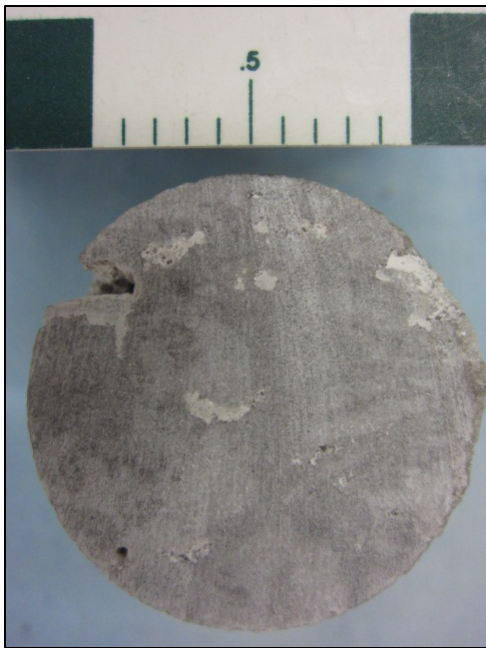
25-30
4632'

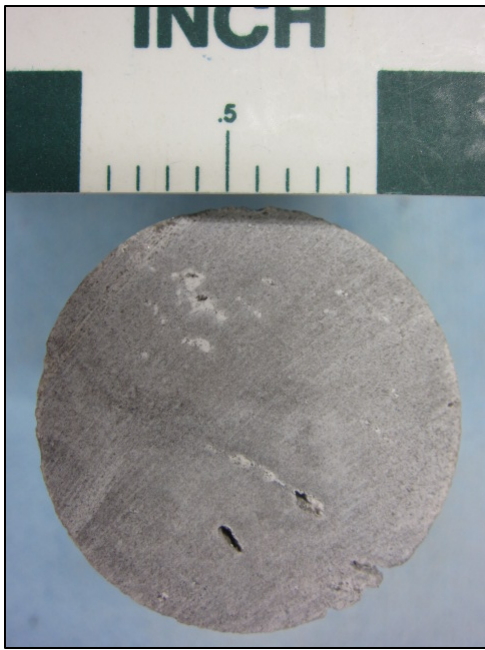


25-38
4640.6'

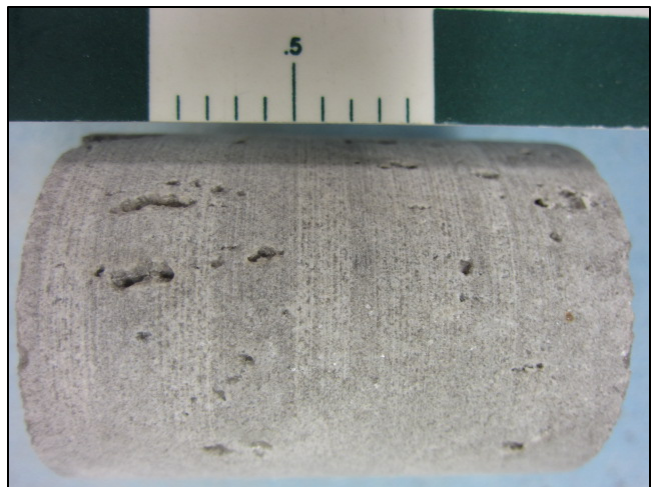
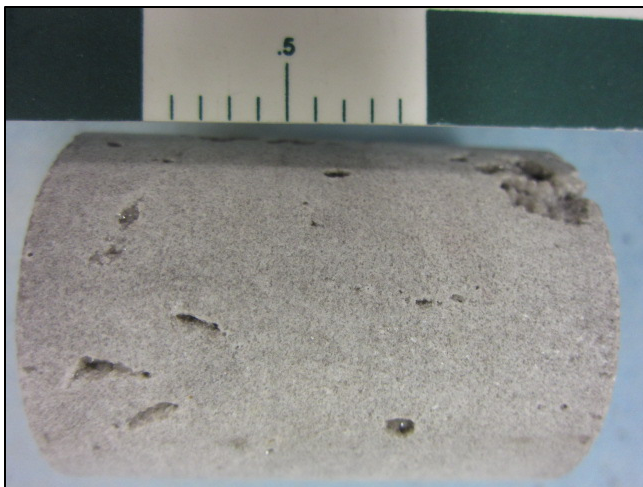
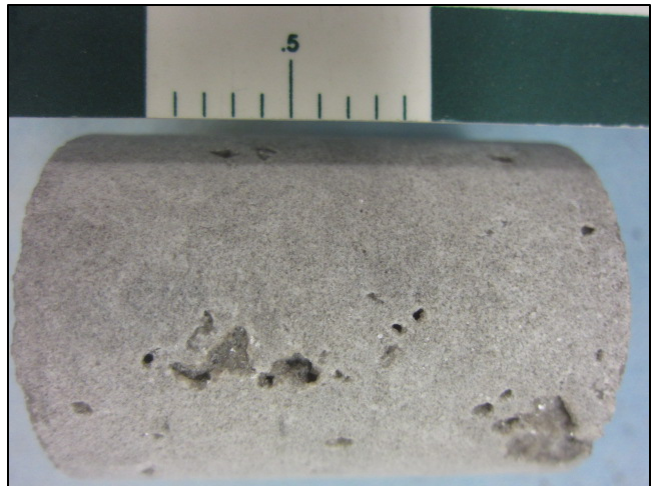
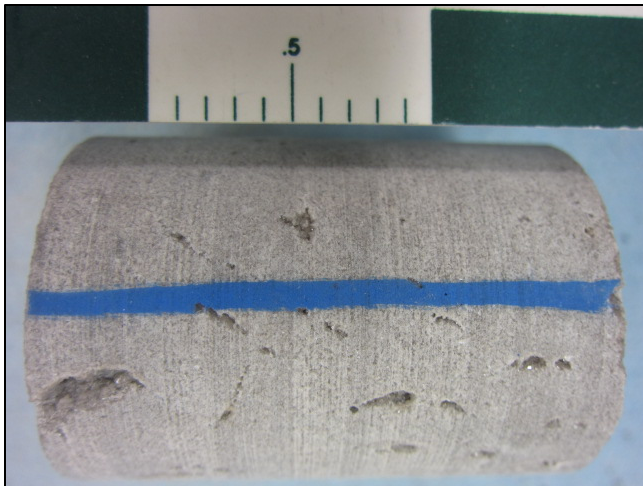
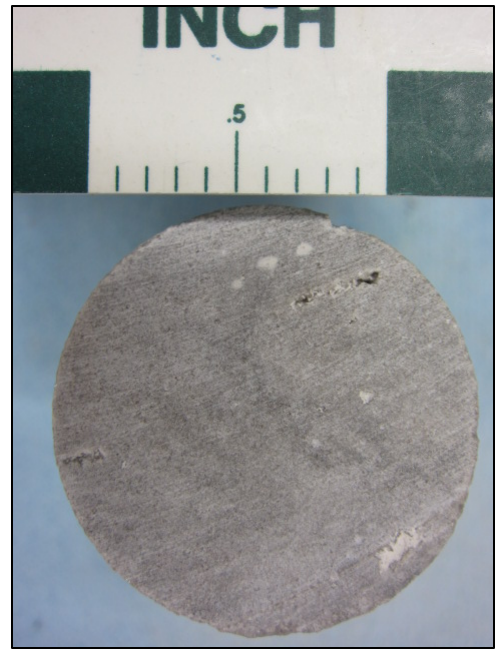


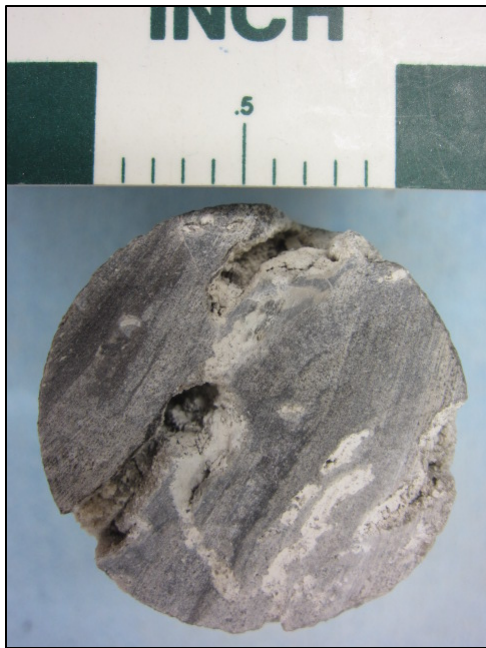
25-43
4643.9'



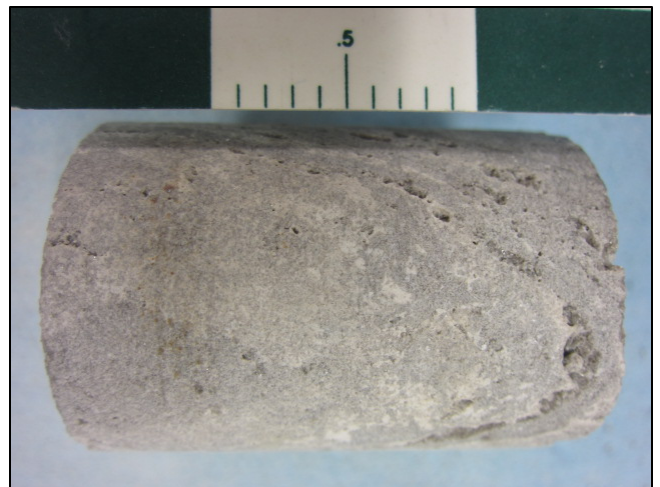
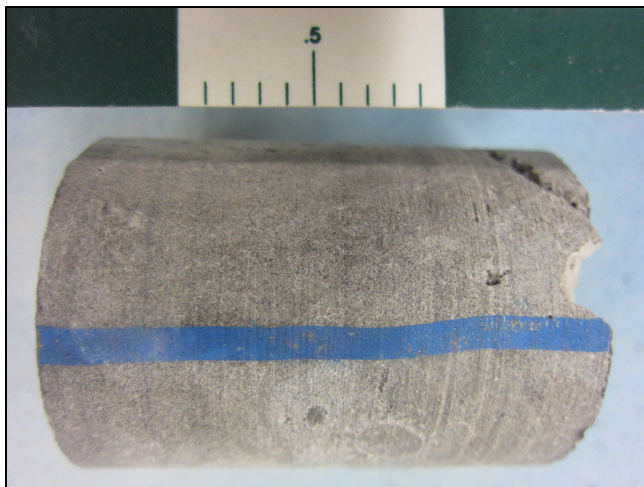
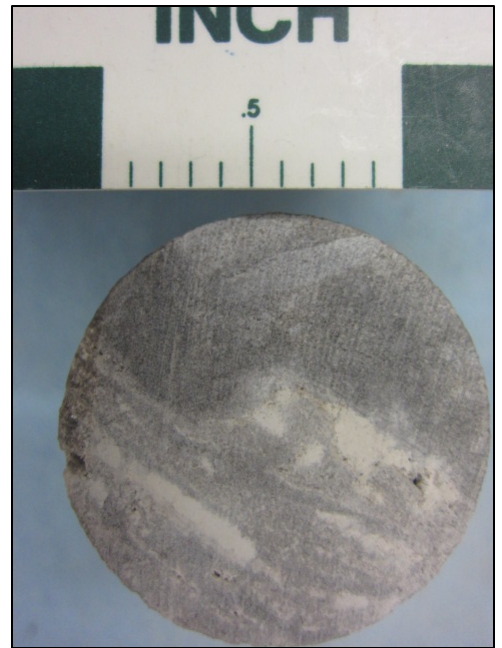


25-47
4649.1'



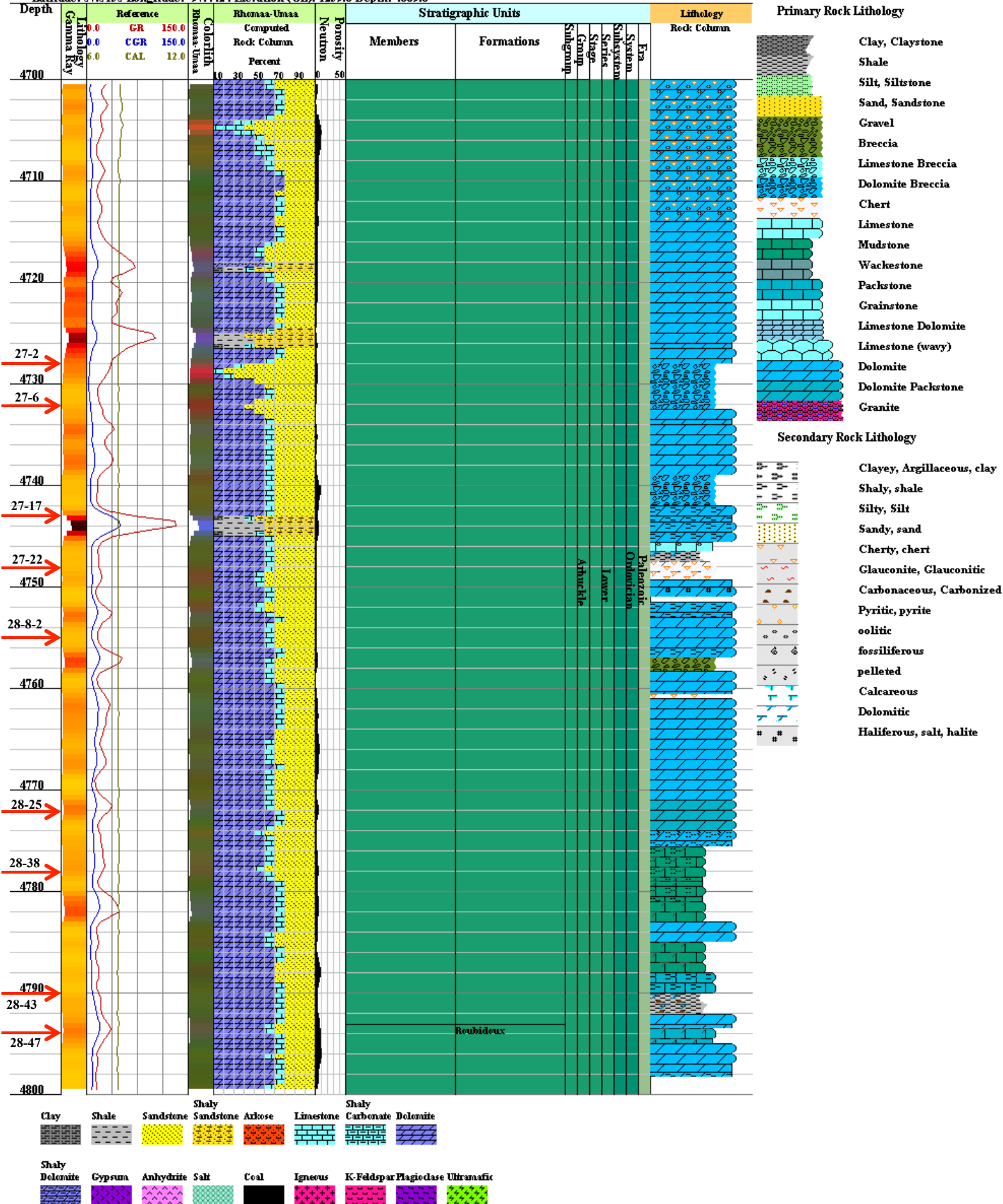


26-4
4683.4'



Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32

Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



4727

4730

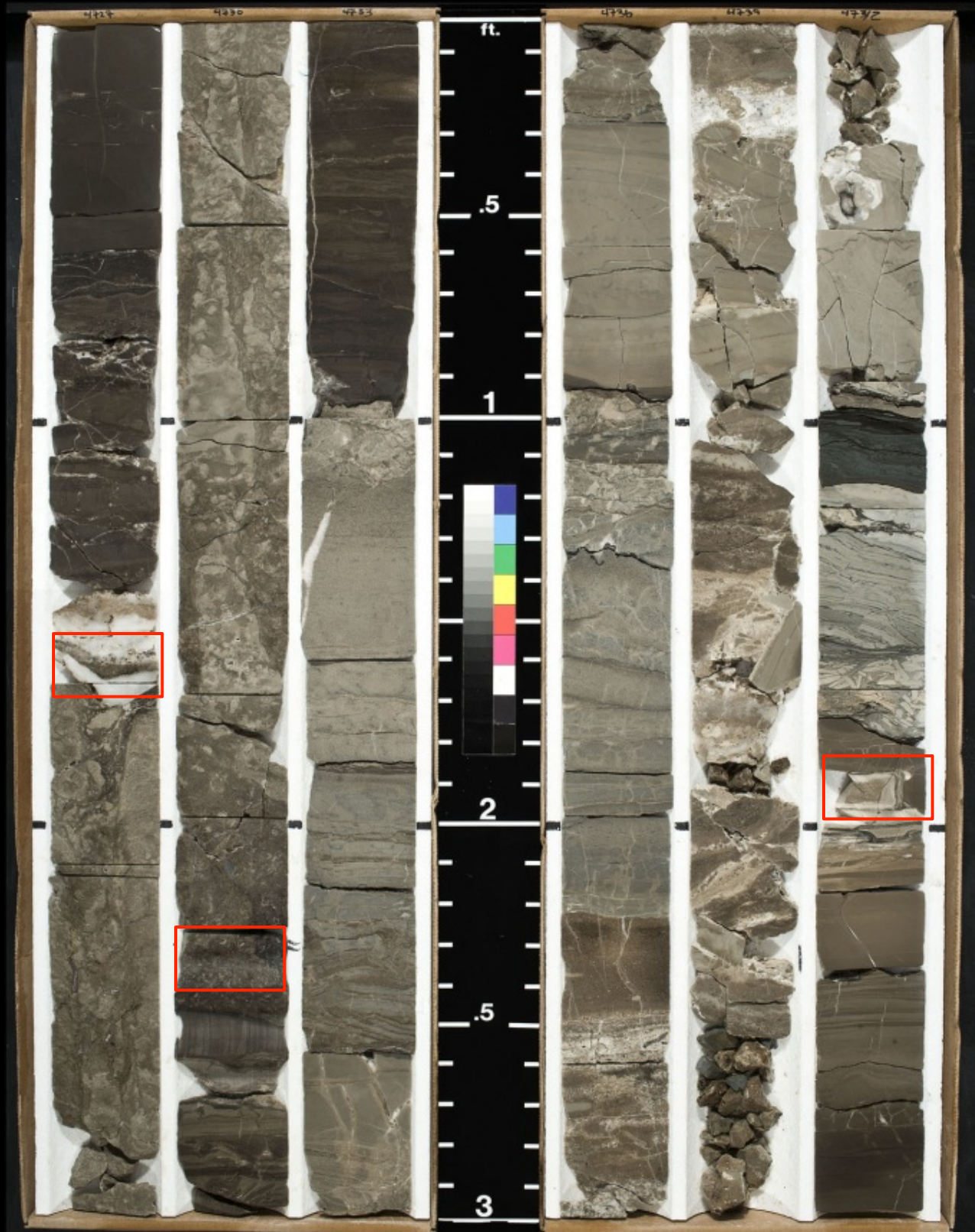
4733

CORE 27

4736

4739

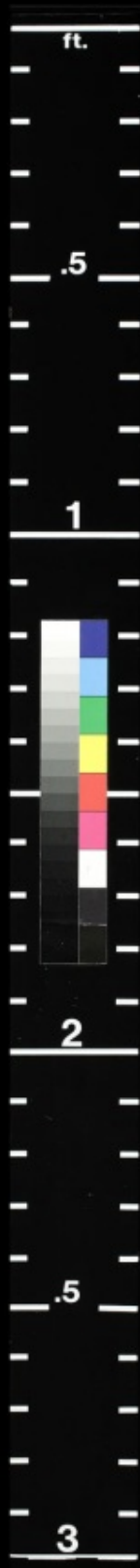
4742



4745

4748

CORE 27



4748

4751

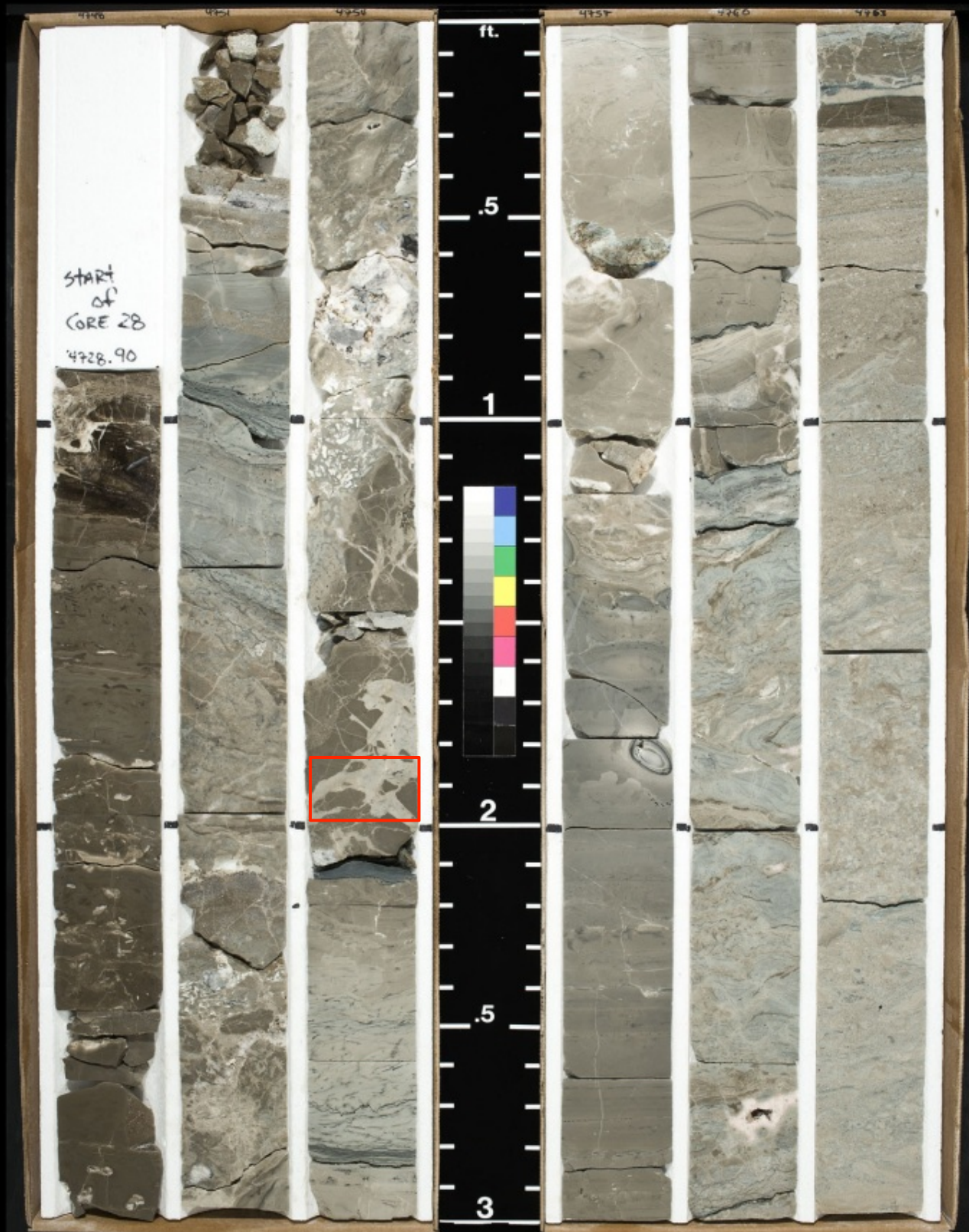
4754

CORE 28

4757

4760

4763



4766

4769

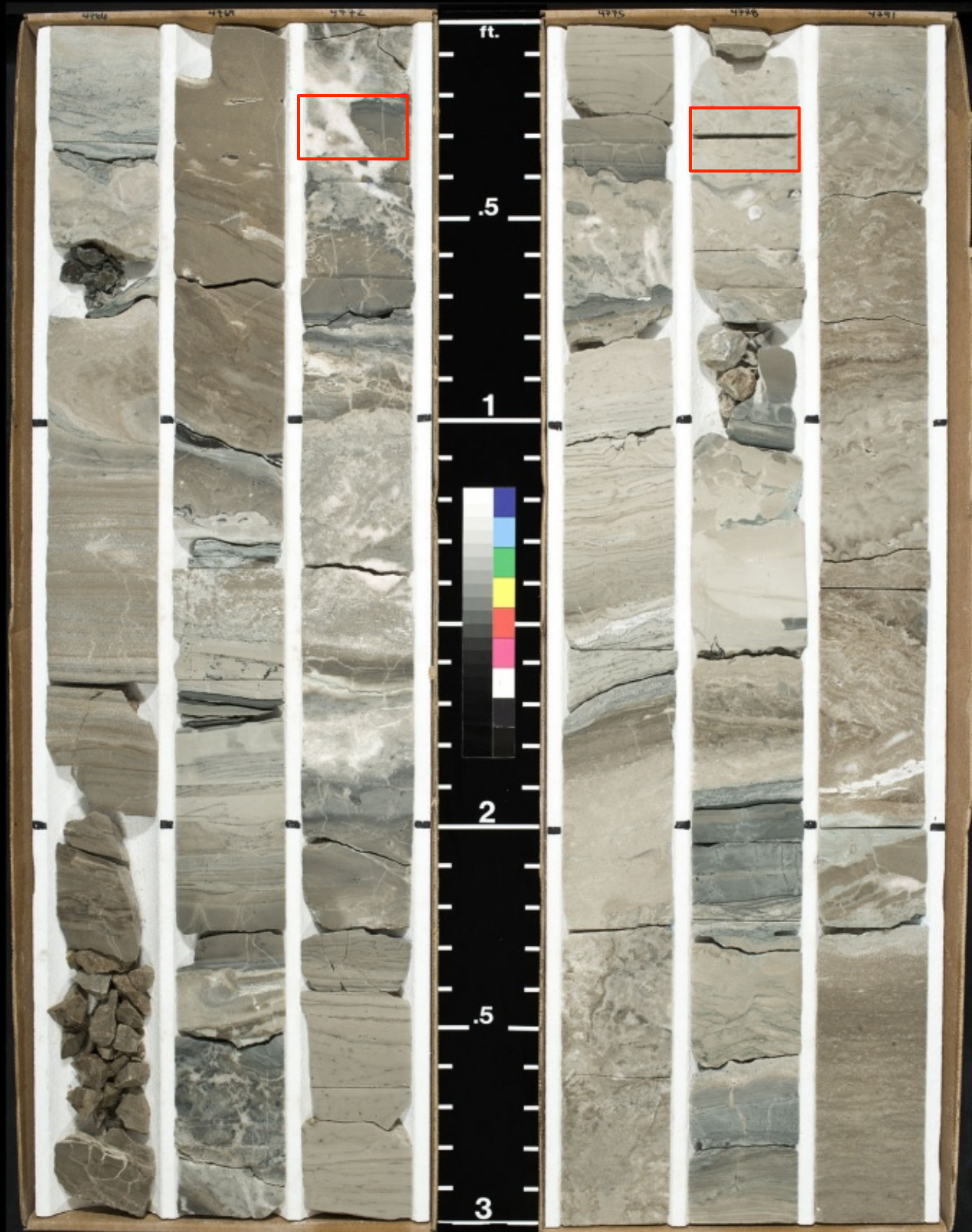
4772

CORE 28

4775

4778

4781



4784

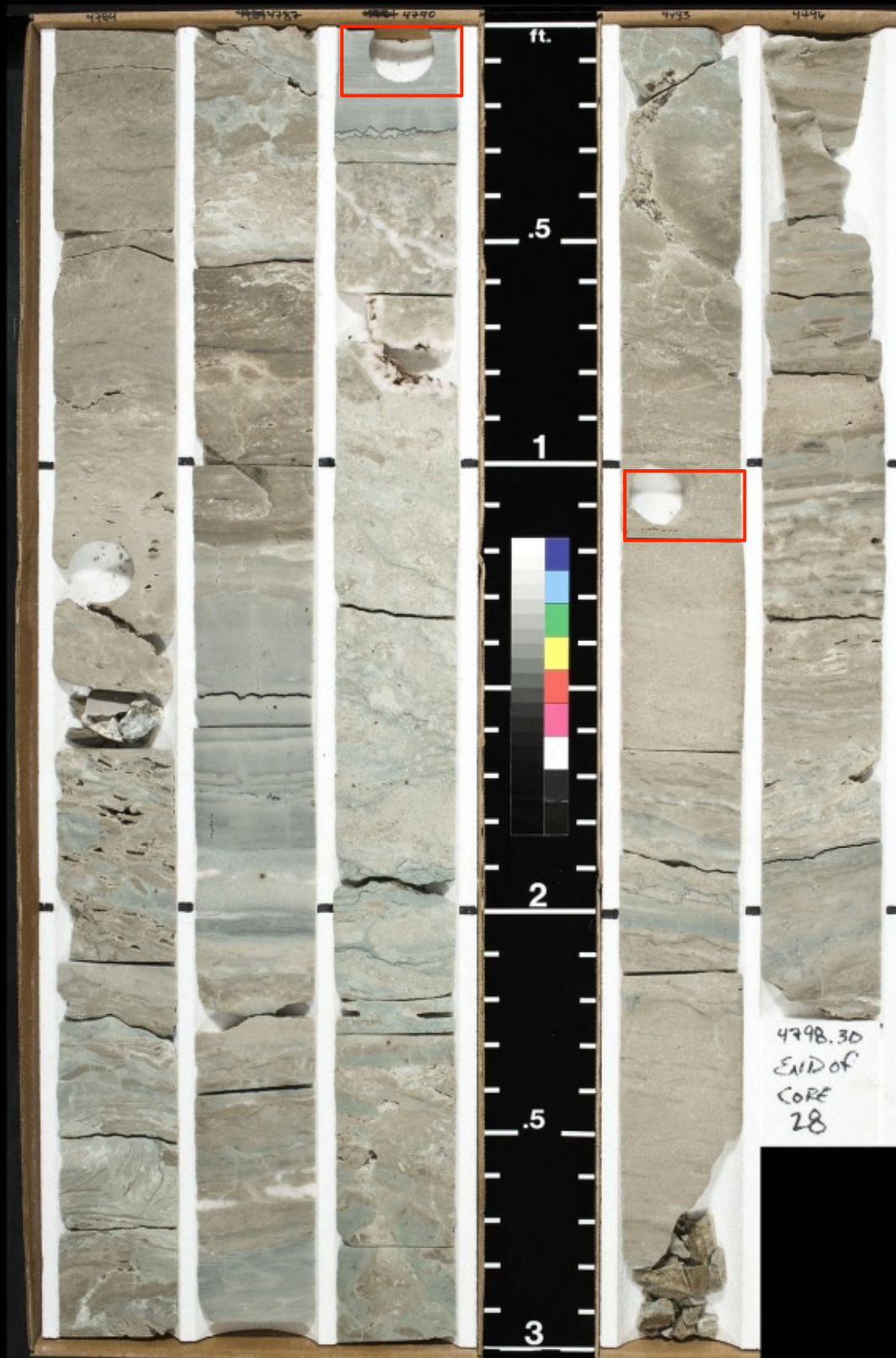
4787

4790

CORE 28

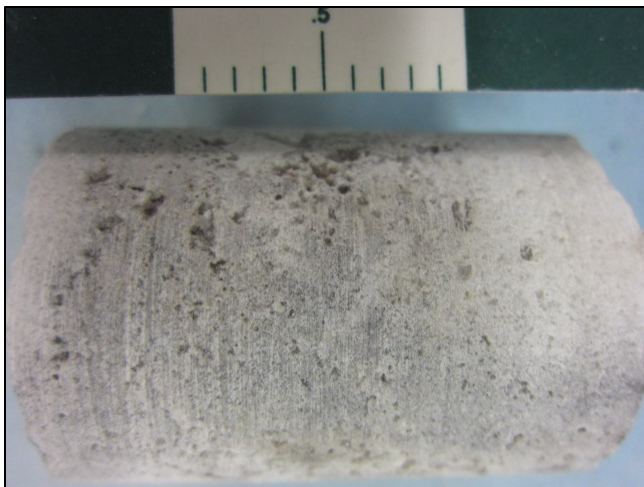
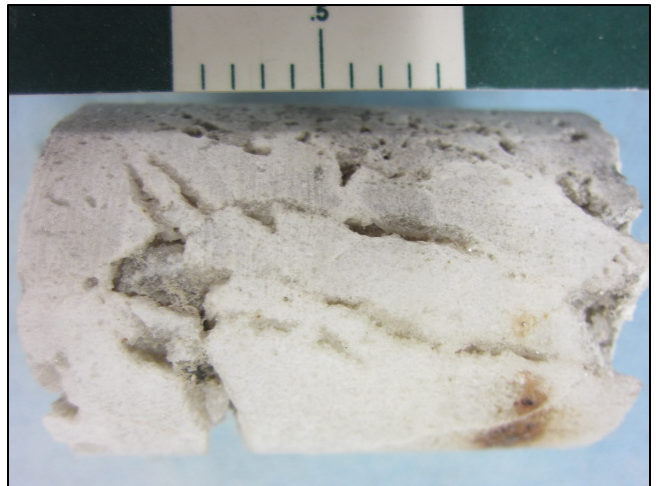
4793

4796



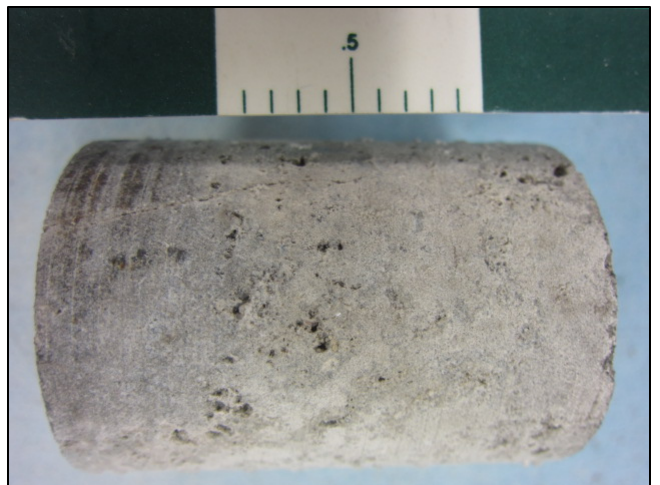
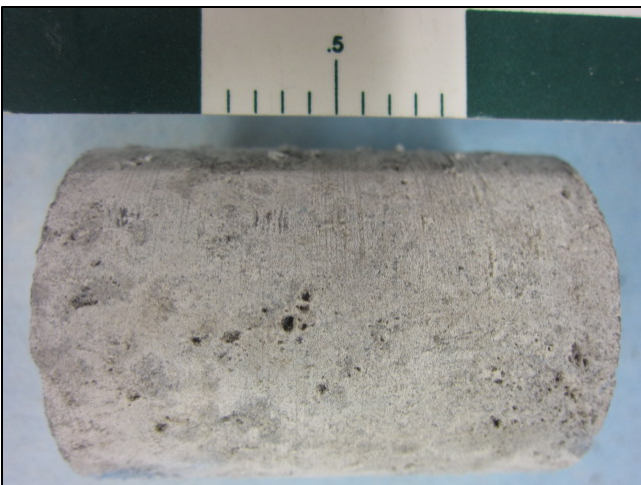
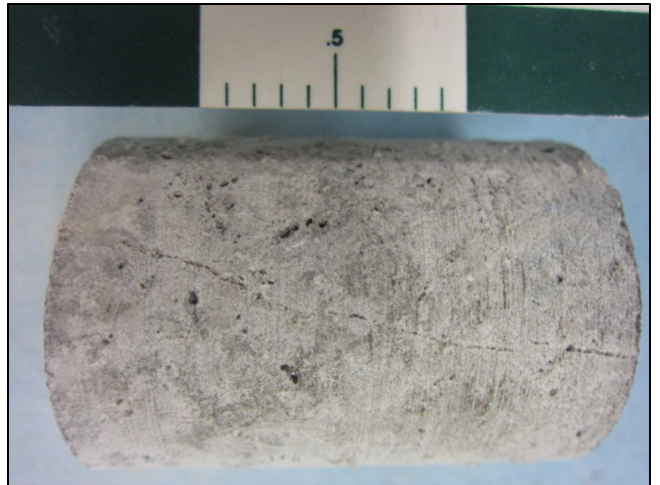
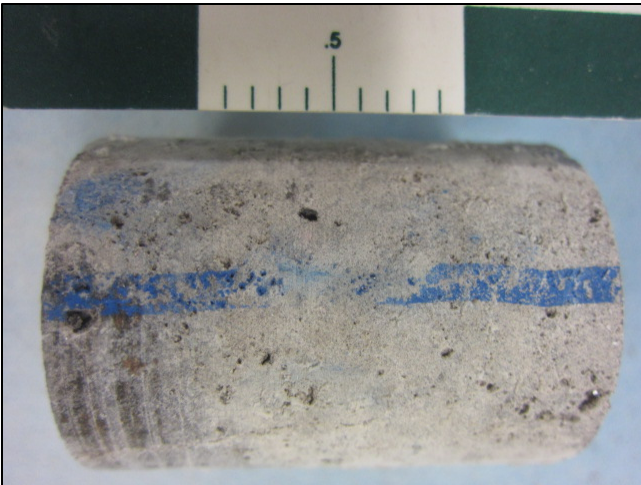
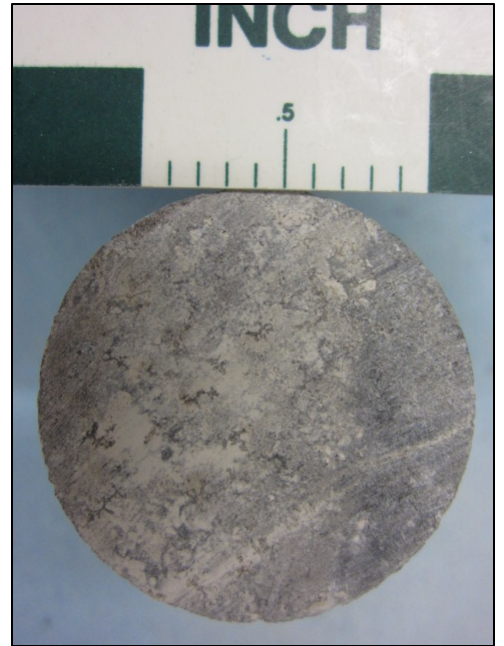


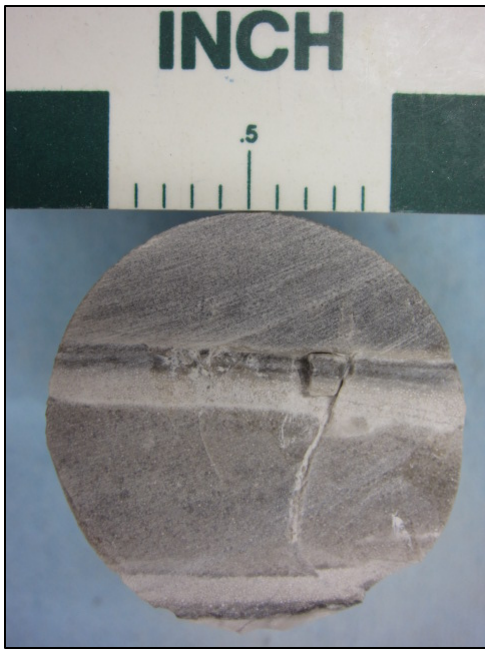
27-2
4728.6'



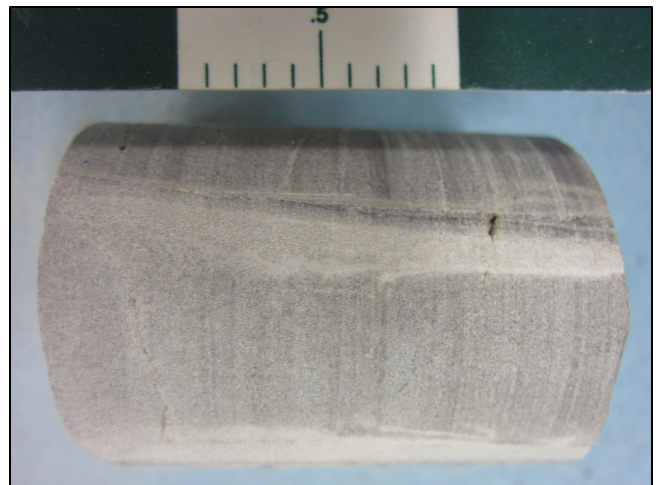
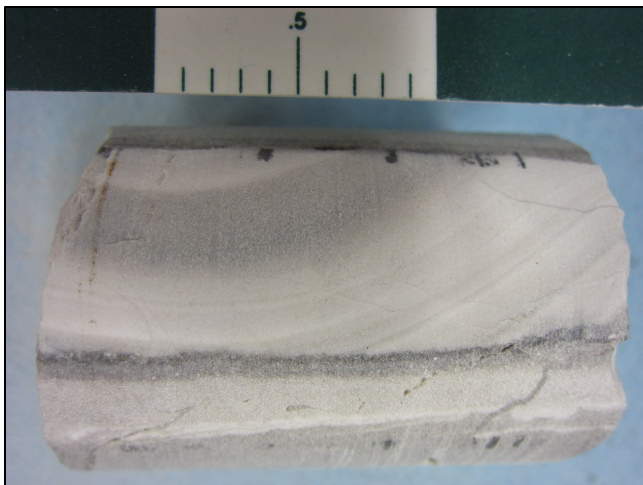
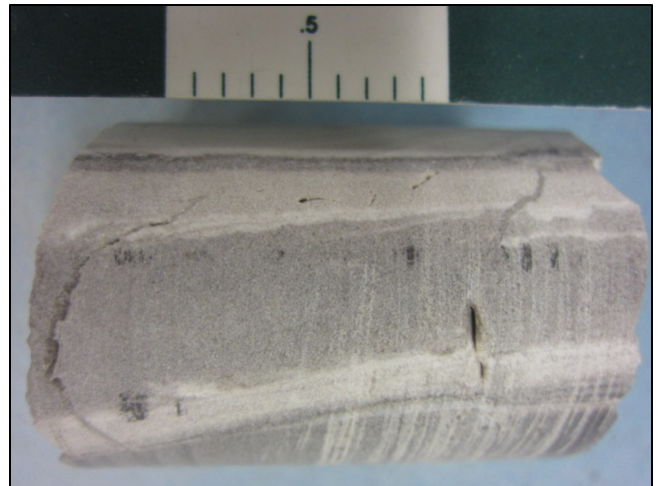
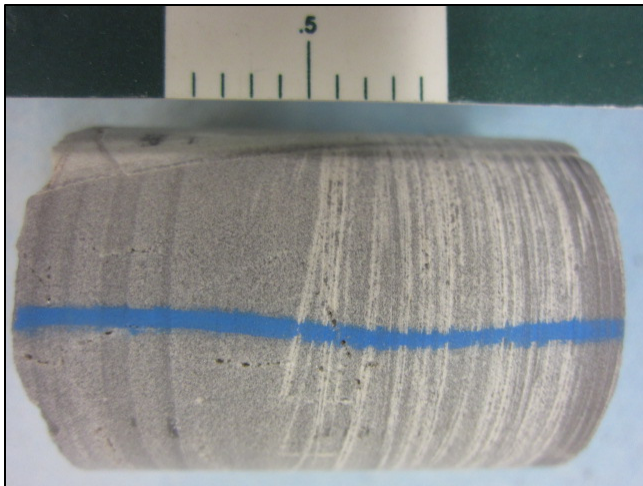
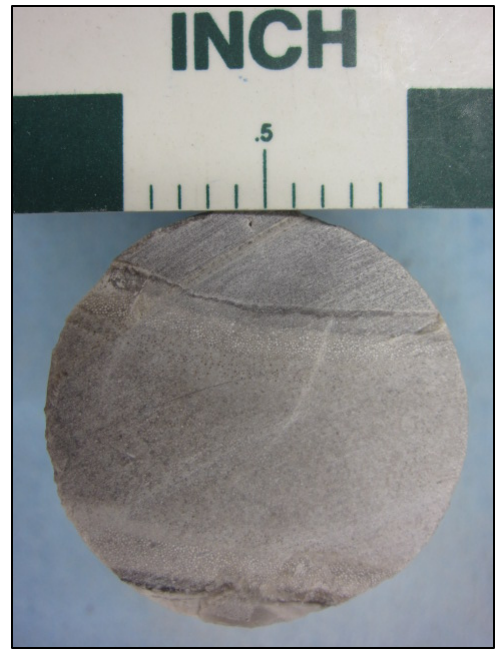


27-6
4732.4'

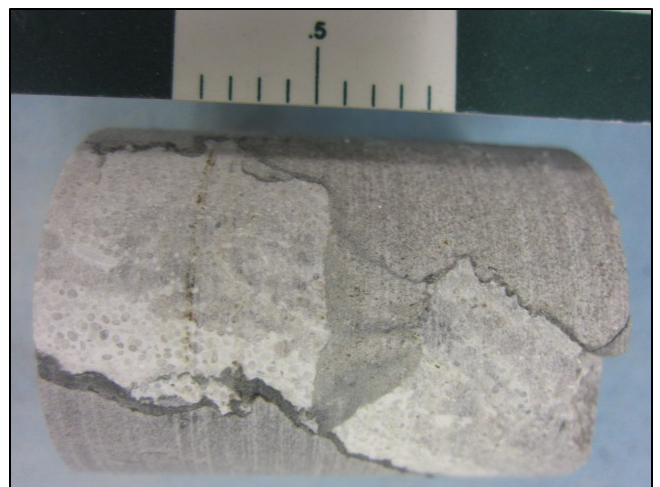
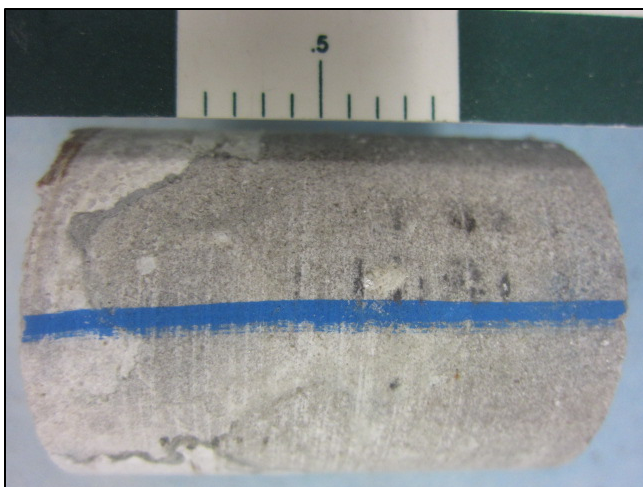
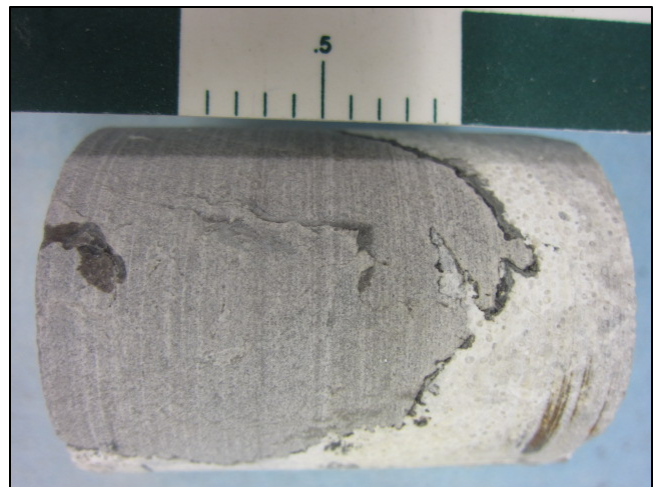
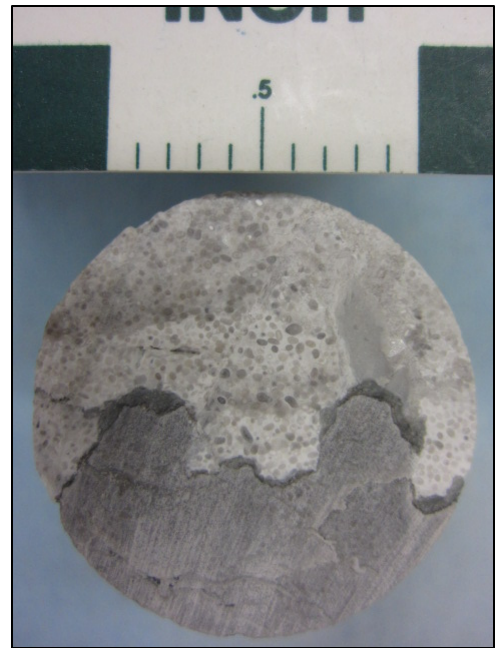




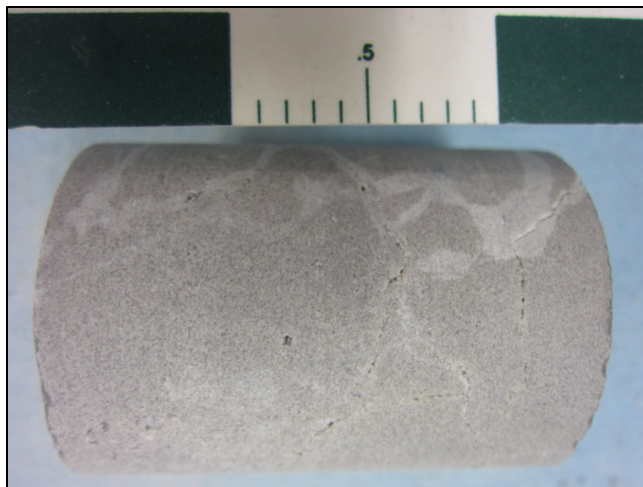
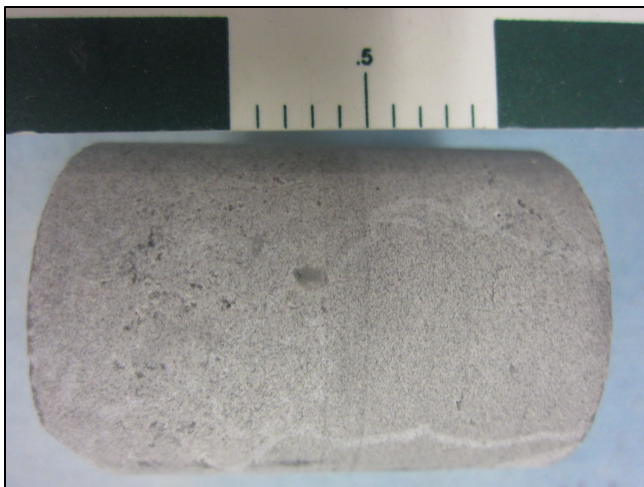
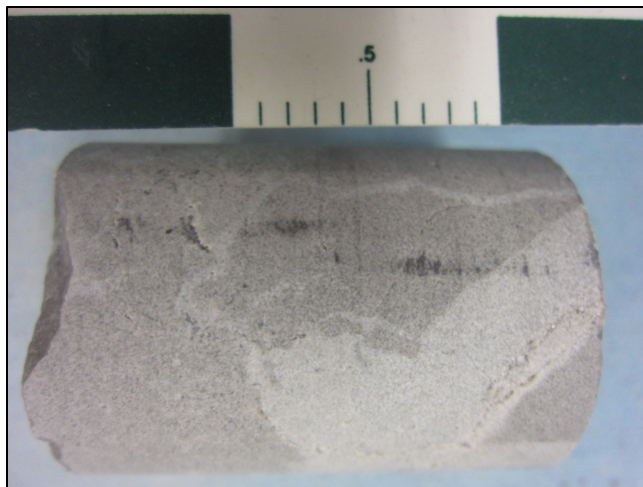
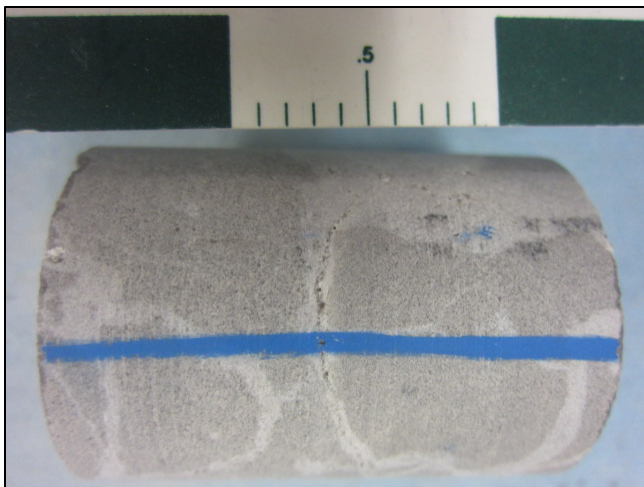
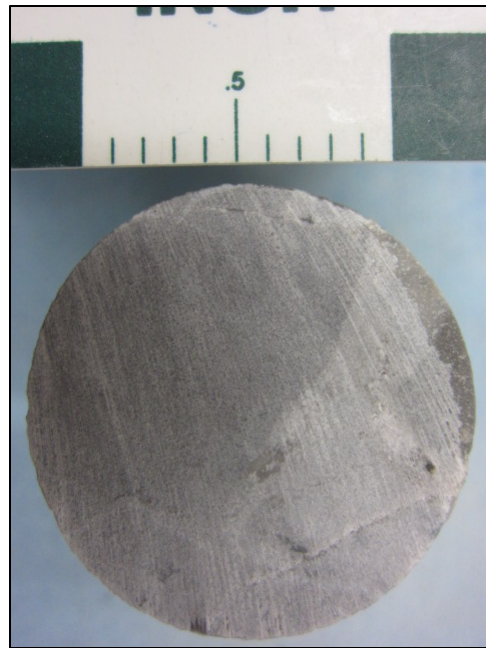
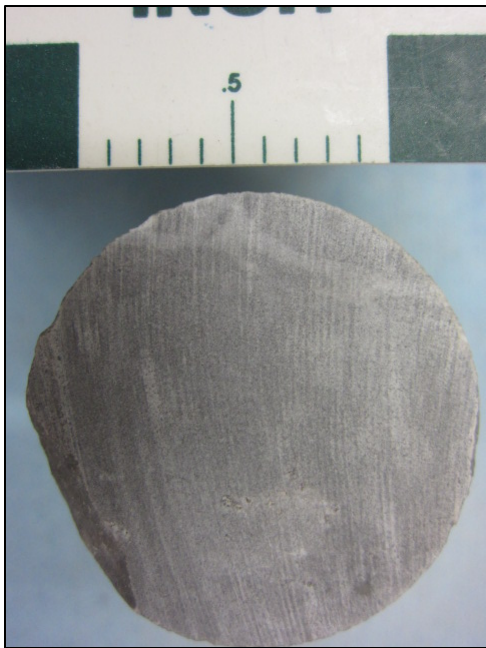
27-17
4743.9'



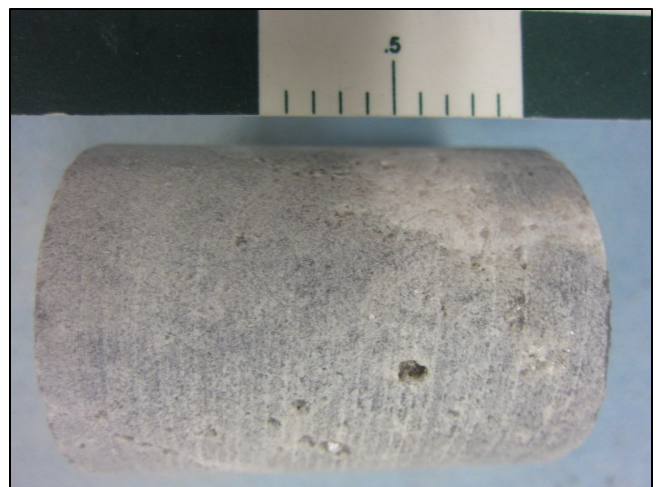
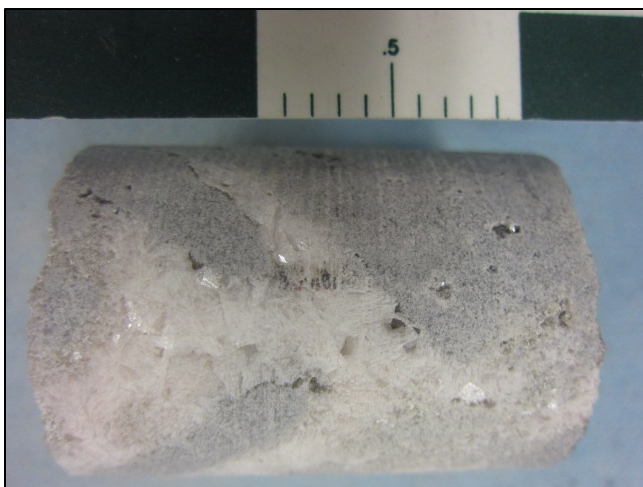
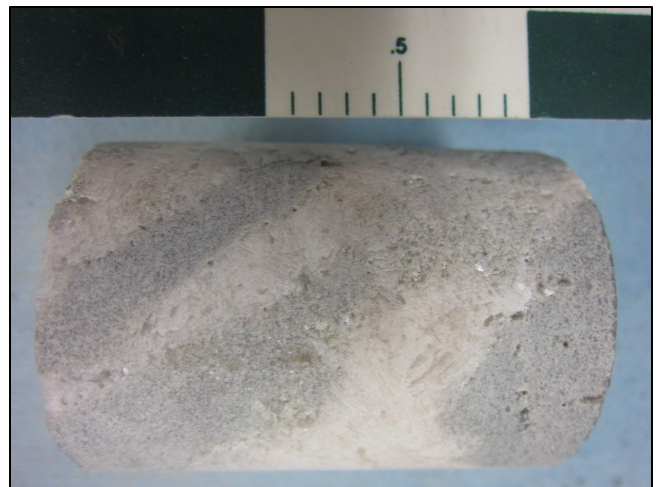
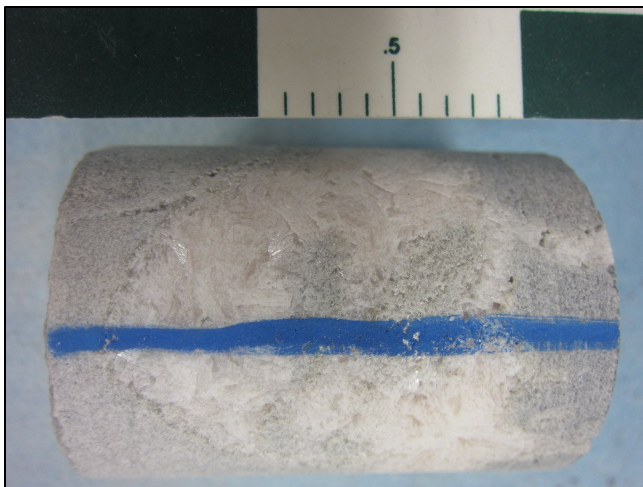
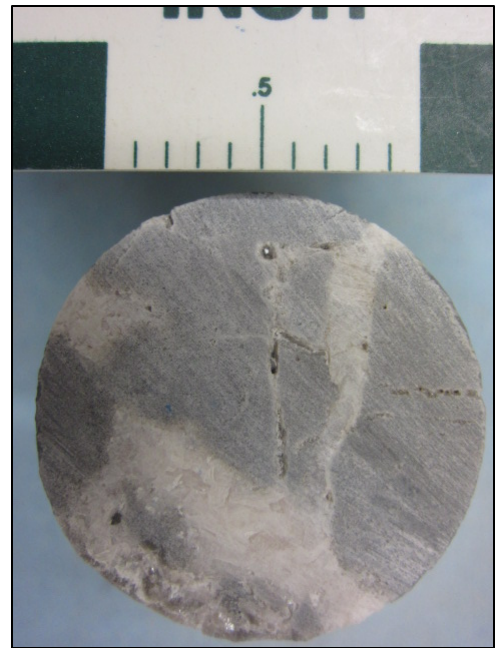
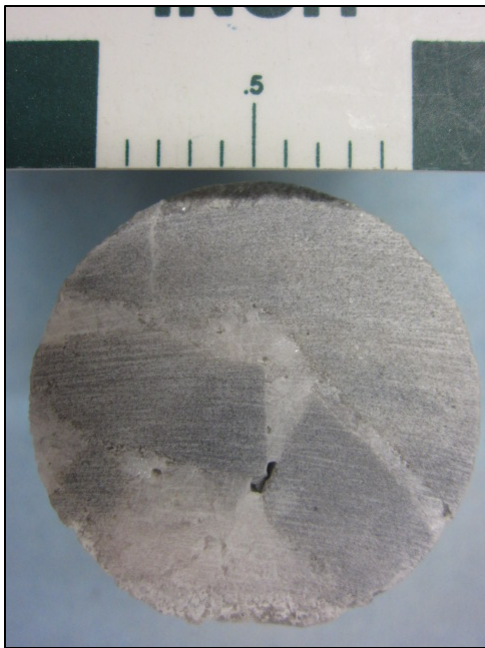
27-22
4748.3'



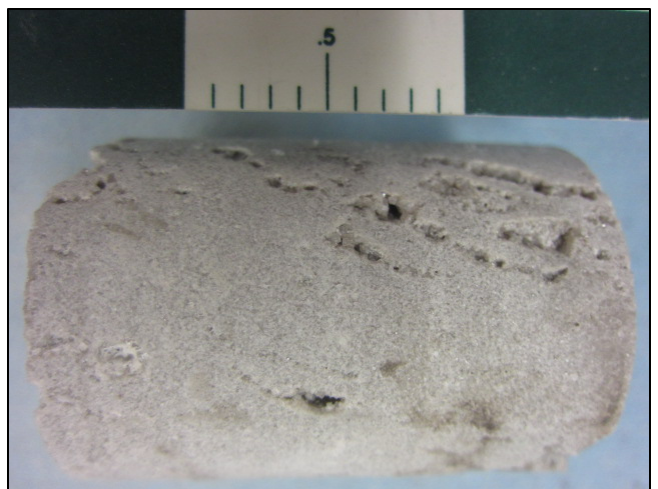
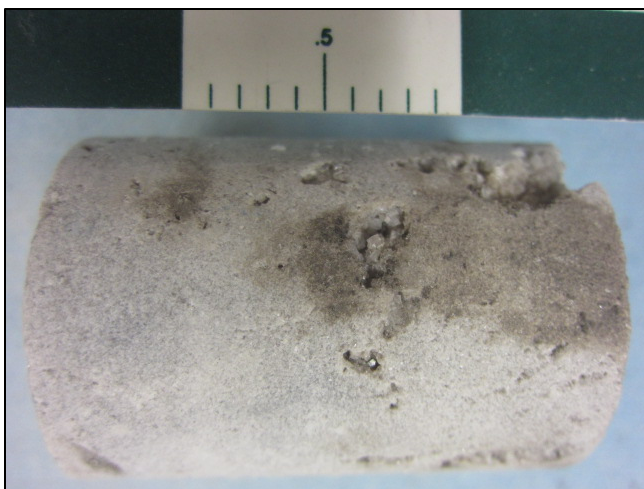
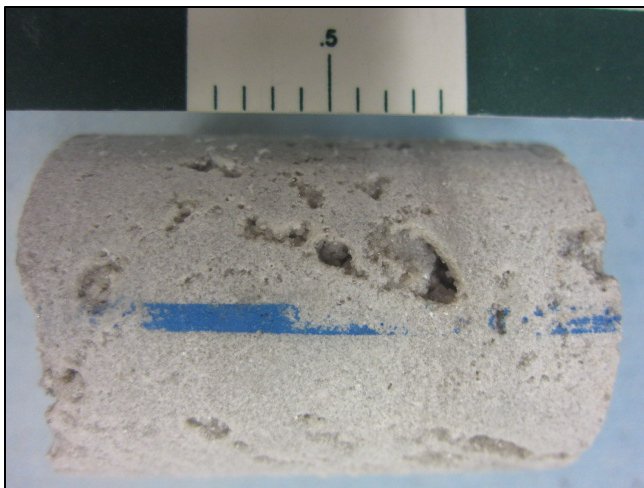
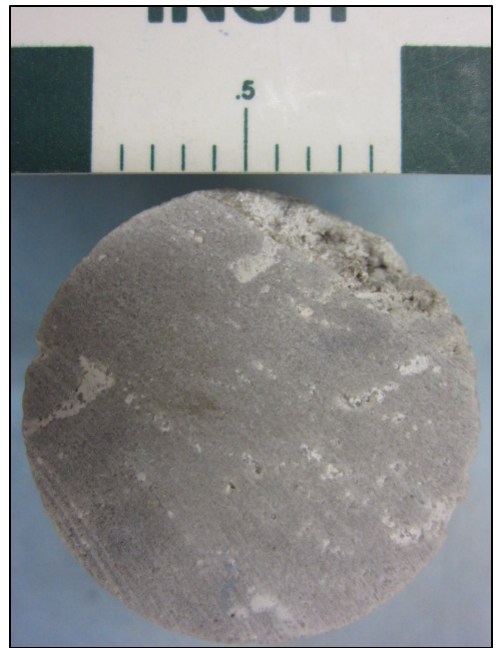
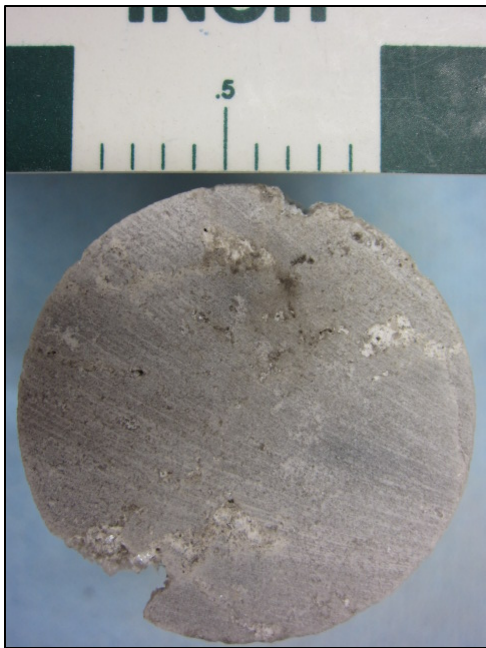
28-8-2
4755.9'



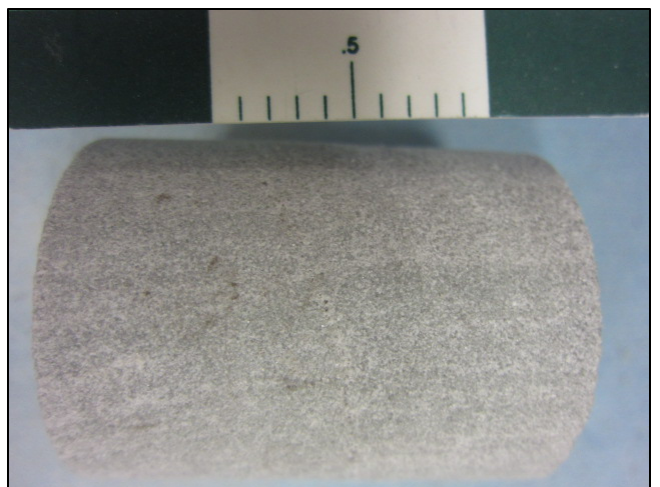
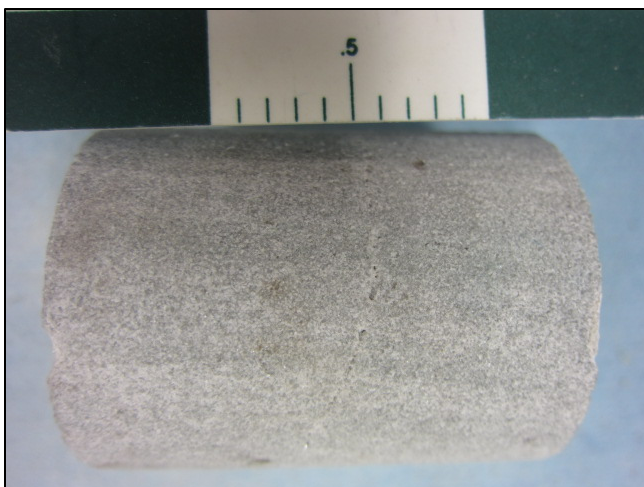
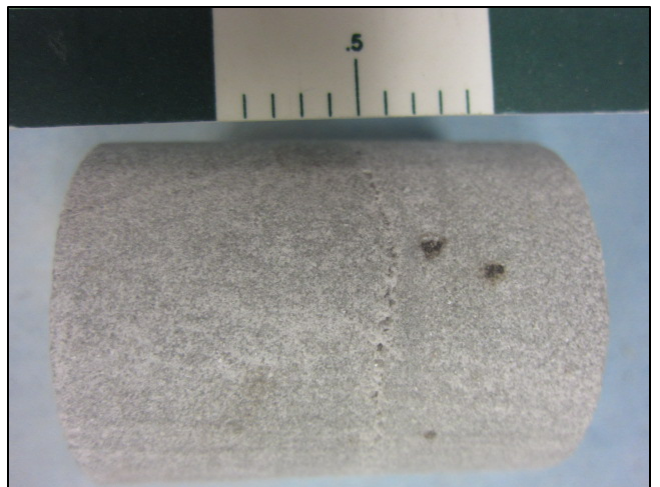
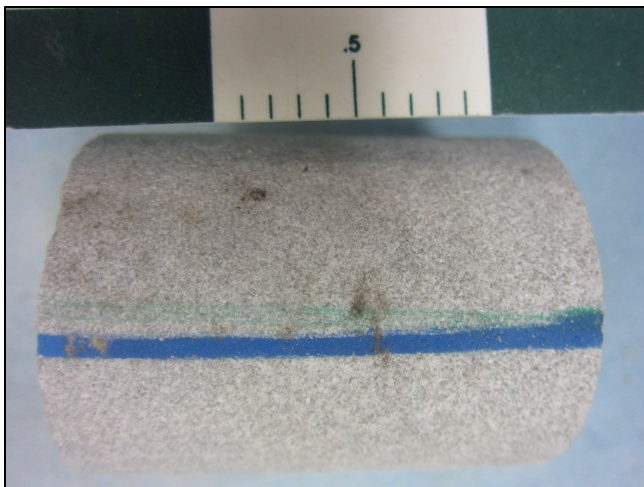
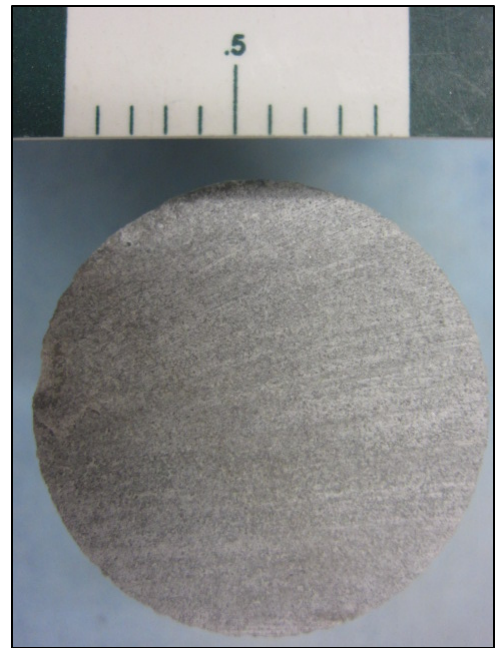
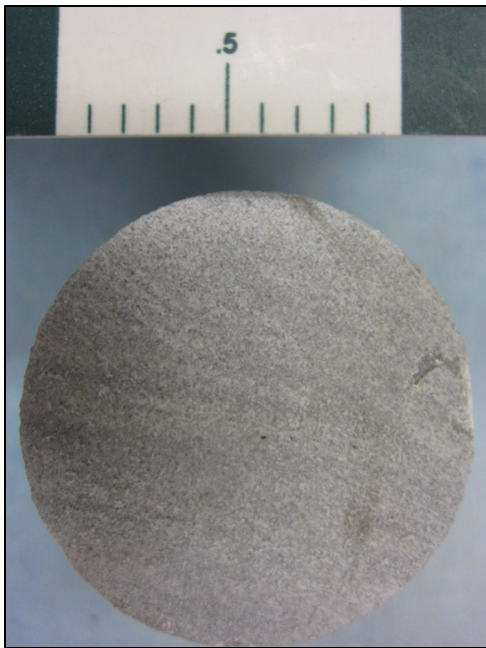
28-25
4772.3'



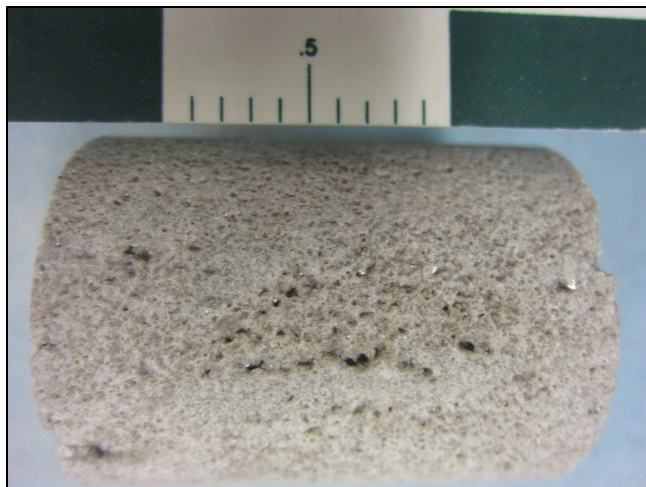
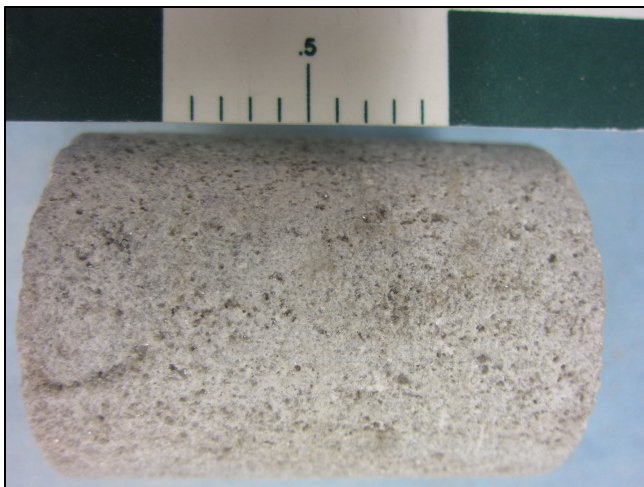
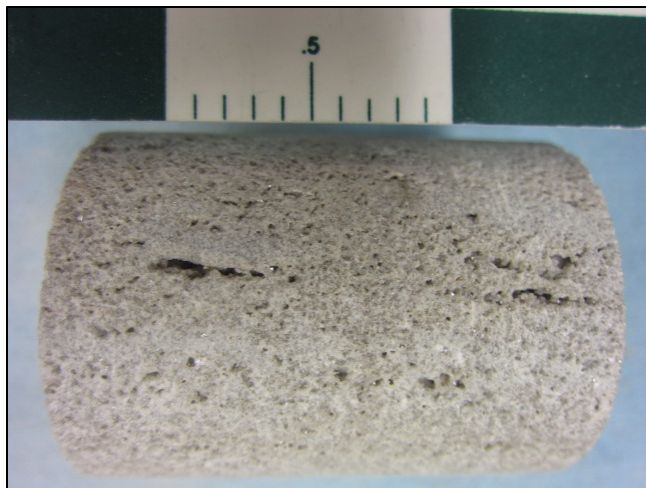
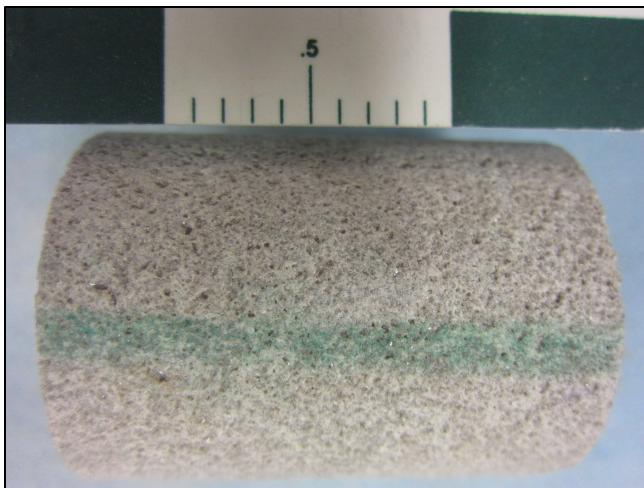
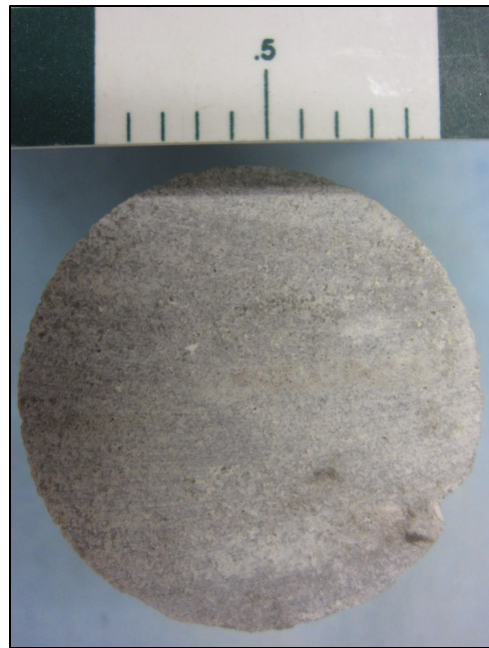
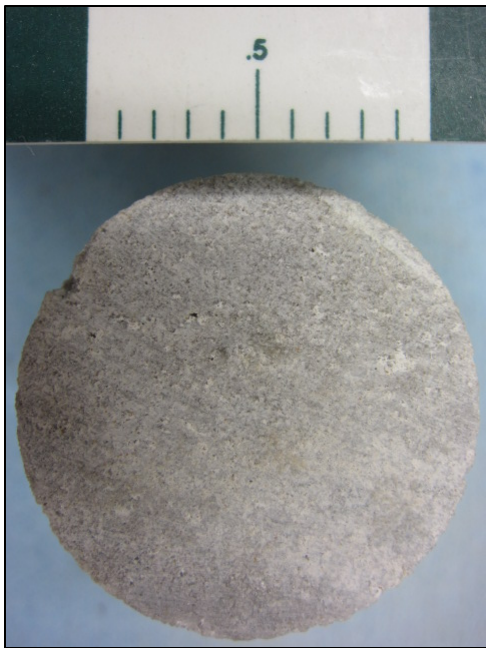
28-38
4778.3'



28-43
4790.1'

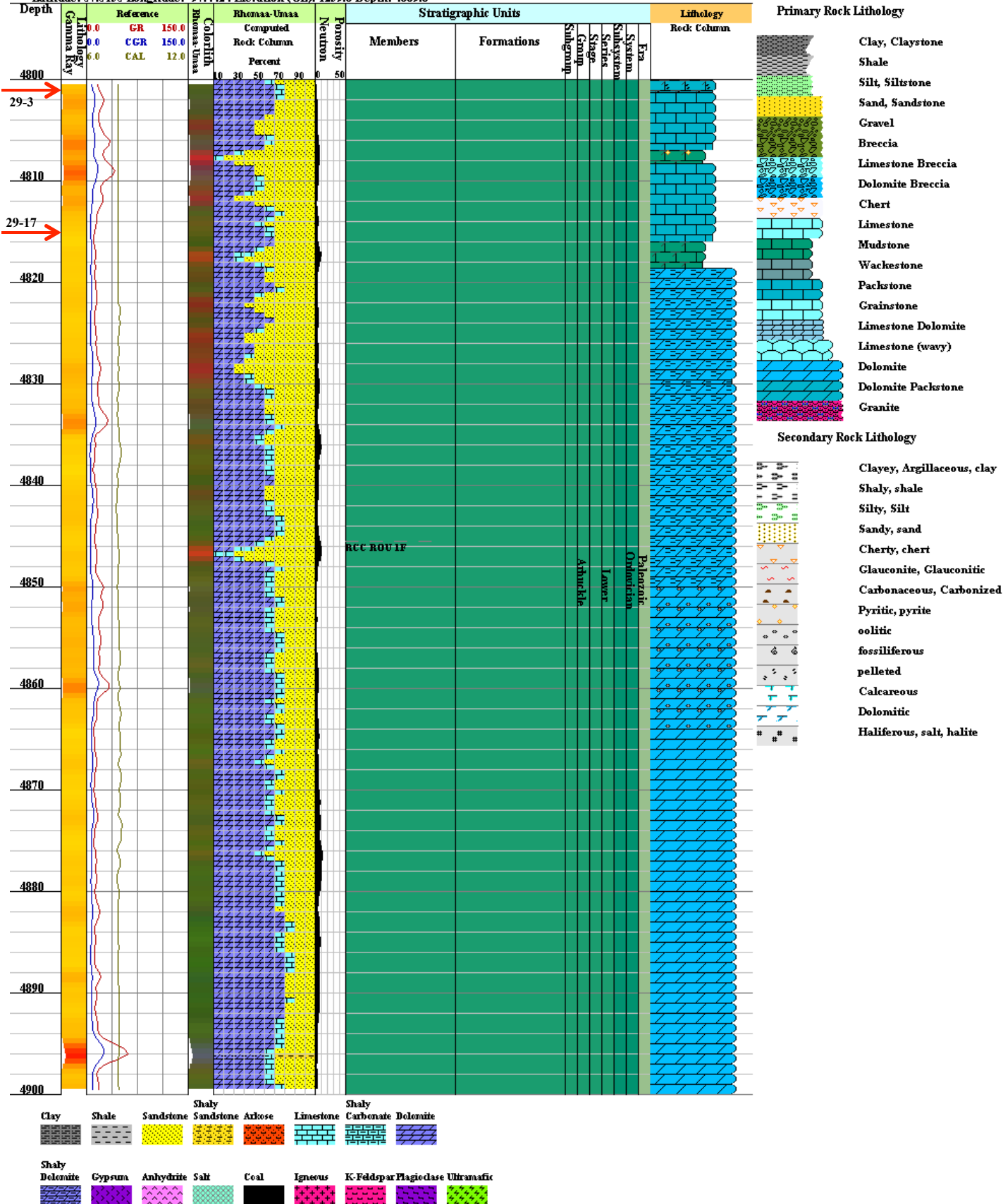


28-47
4794.1'



Wellington KGS 1-32 (15-191-22591) T: 31S R: 1W S: 32

Latitude: 37.3153 Longitude: -97.4424 Elevation (GL): 1259.0 Depth: 4669.0



4799

4802

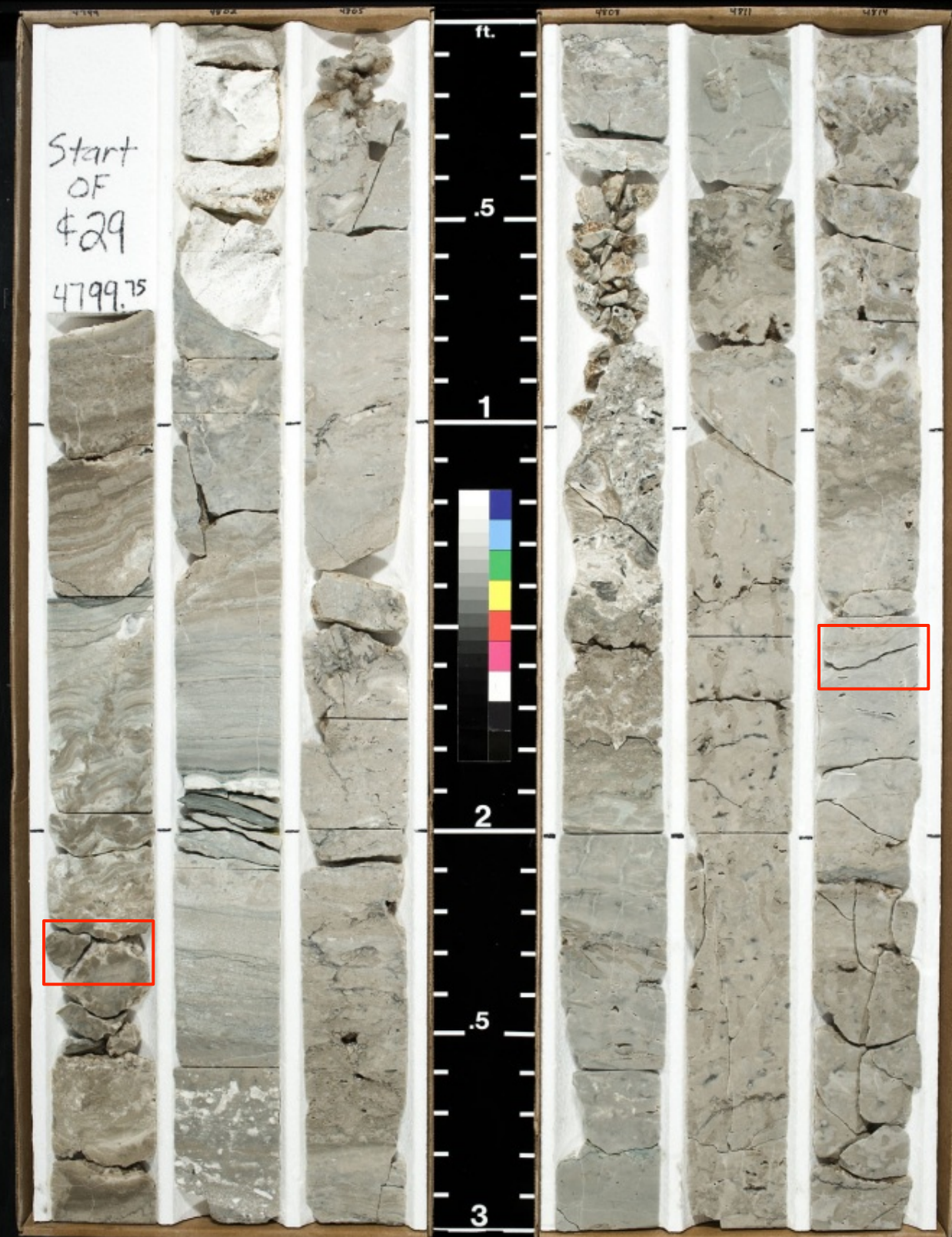
4805

CORE 29

4808

4811

4814

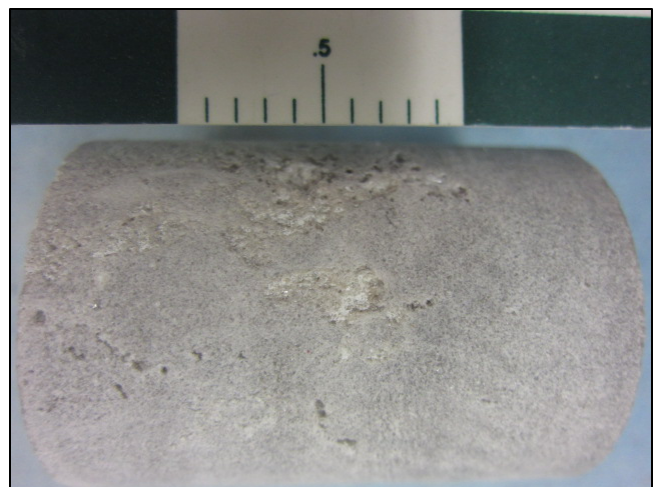
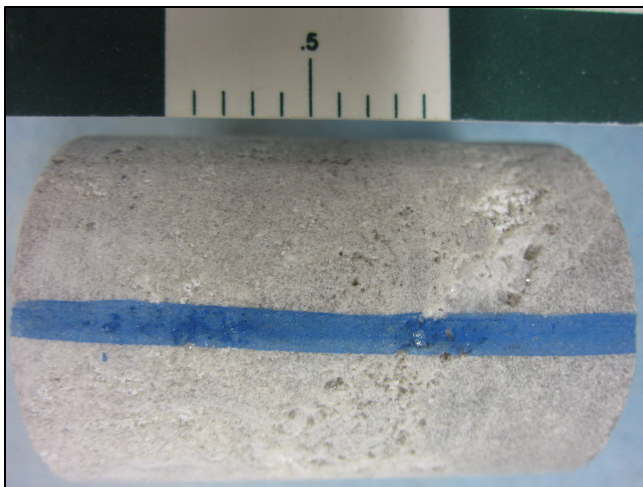
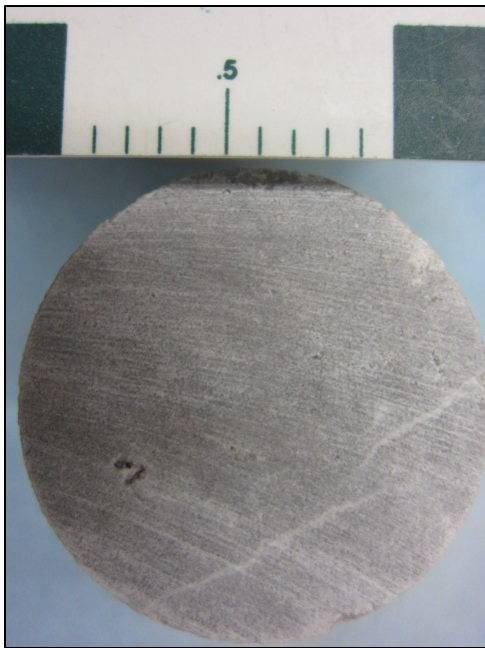


4817

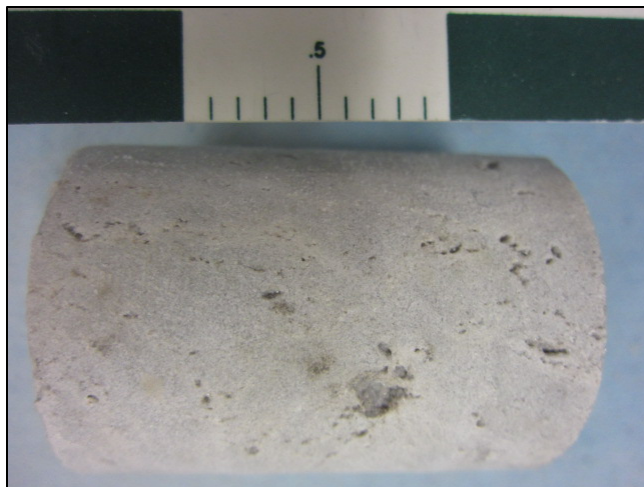
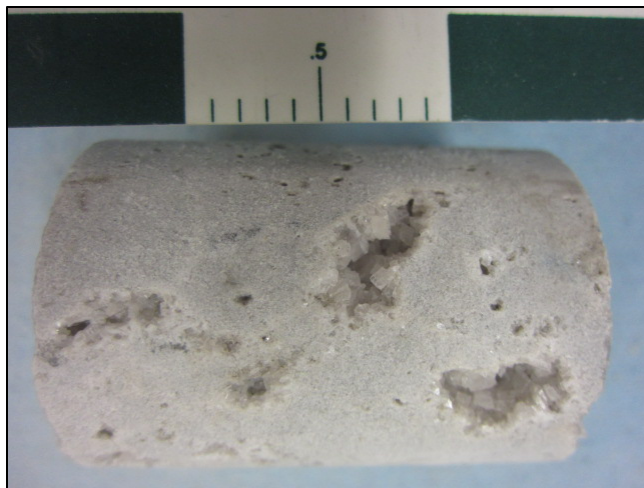
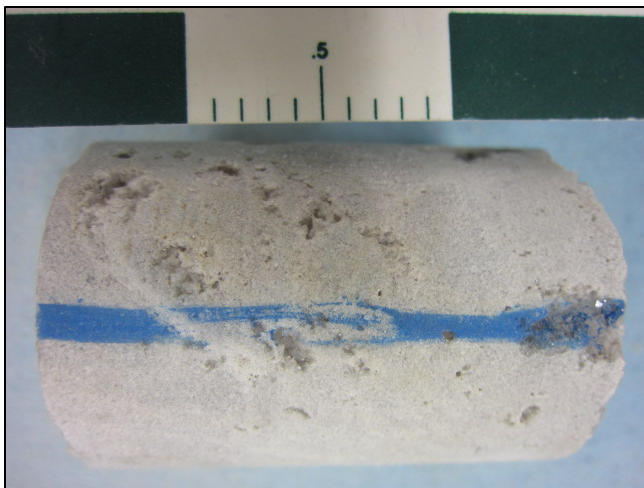
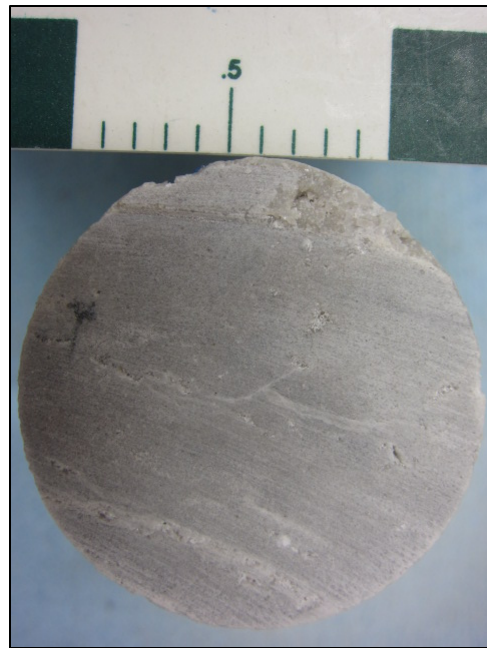
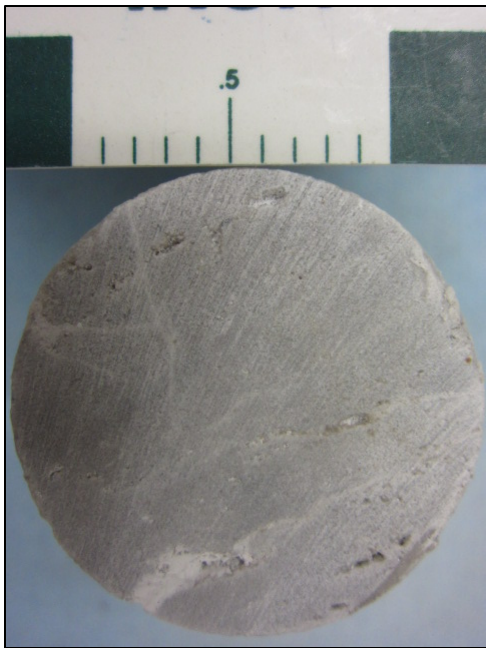
CORE 29

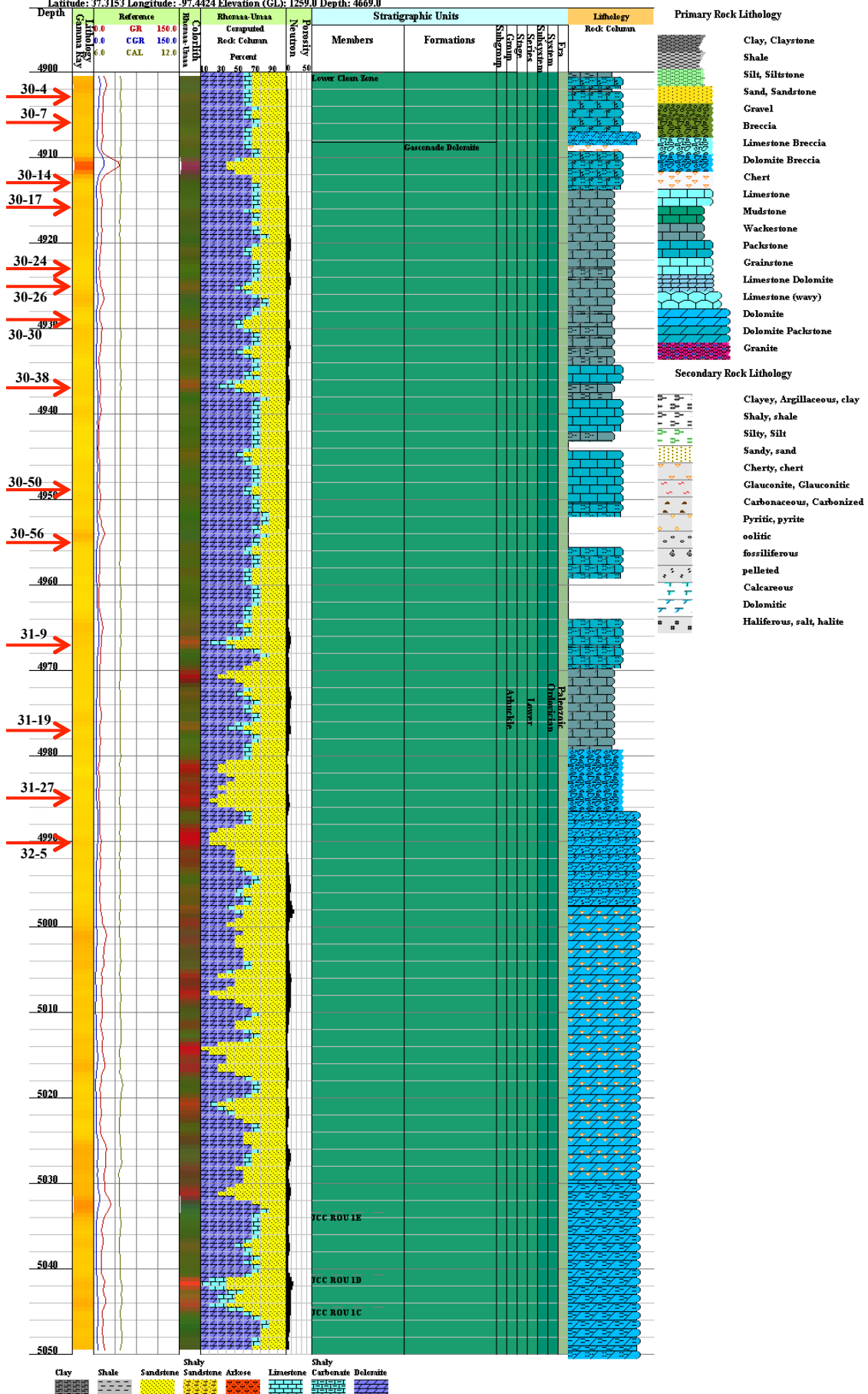


29-3
4801.3'



29-17
4815.6'





4900

4903

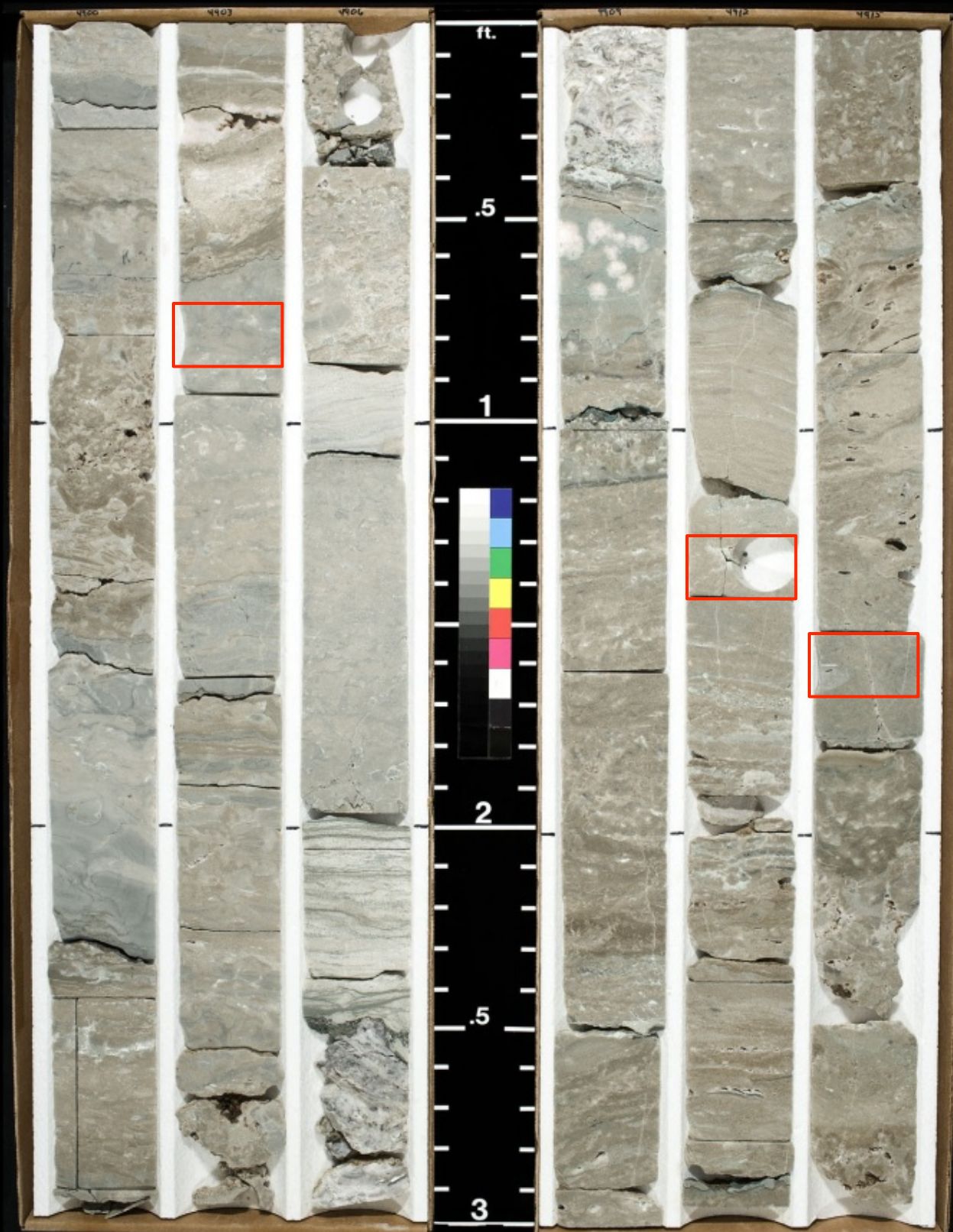
4906

CORE 30

4909

4912

4915



4918

4921

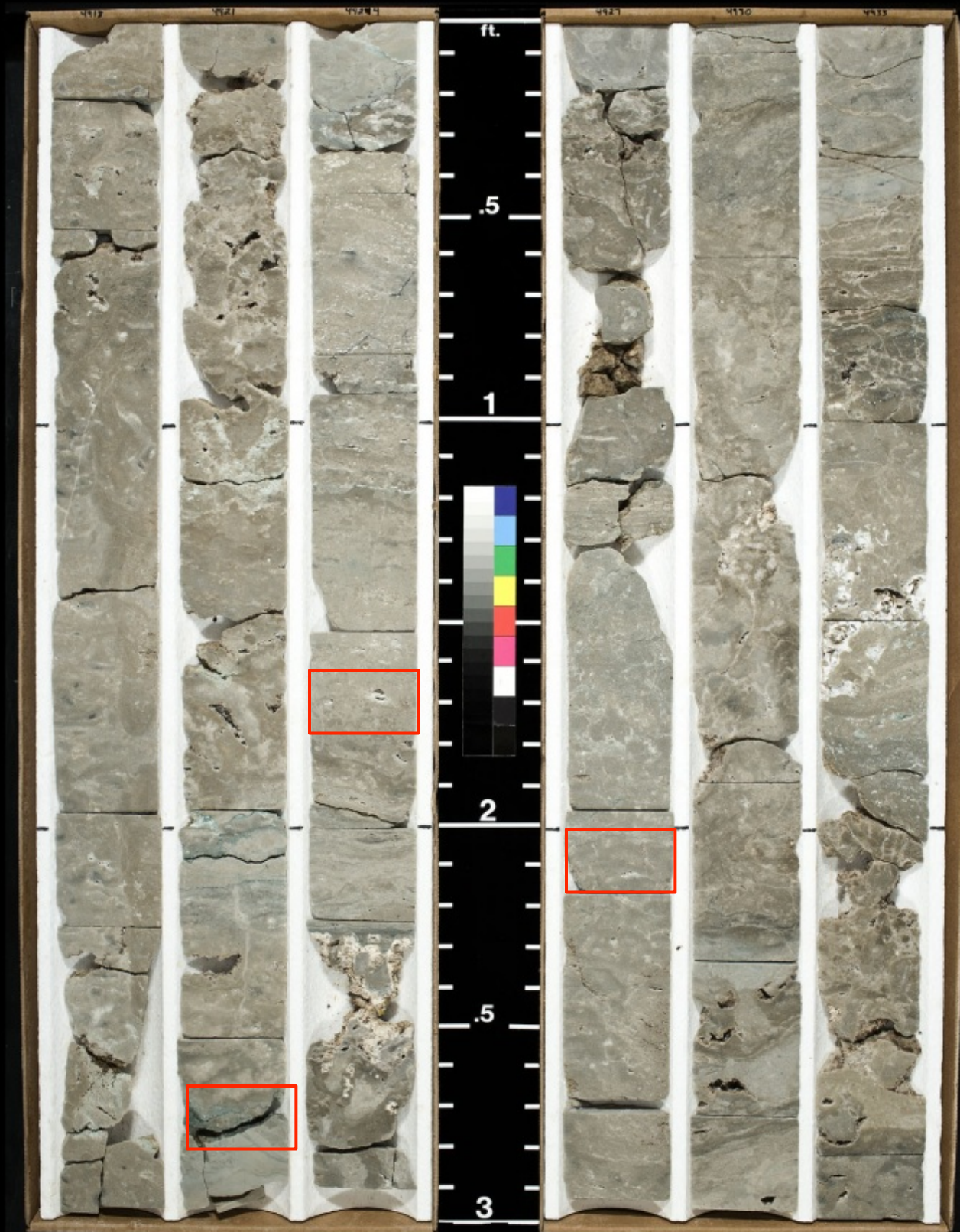
4924

CORE 30

4927

4930

4933



4936

4939

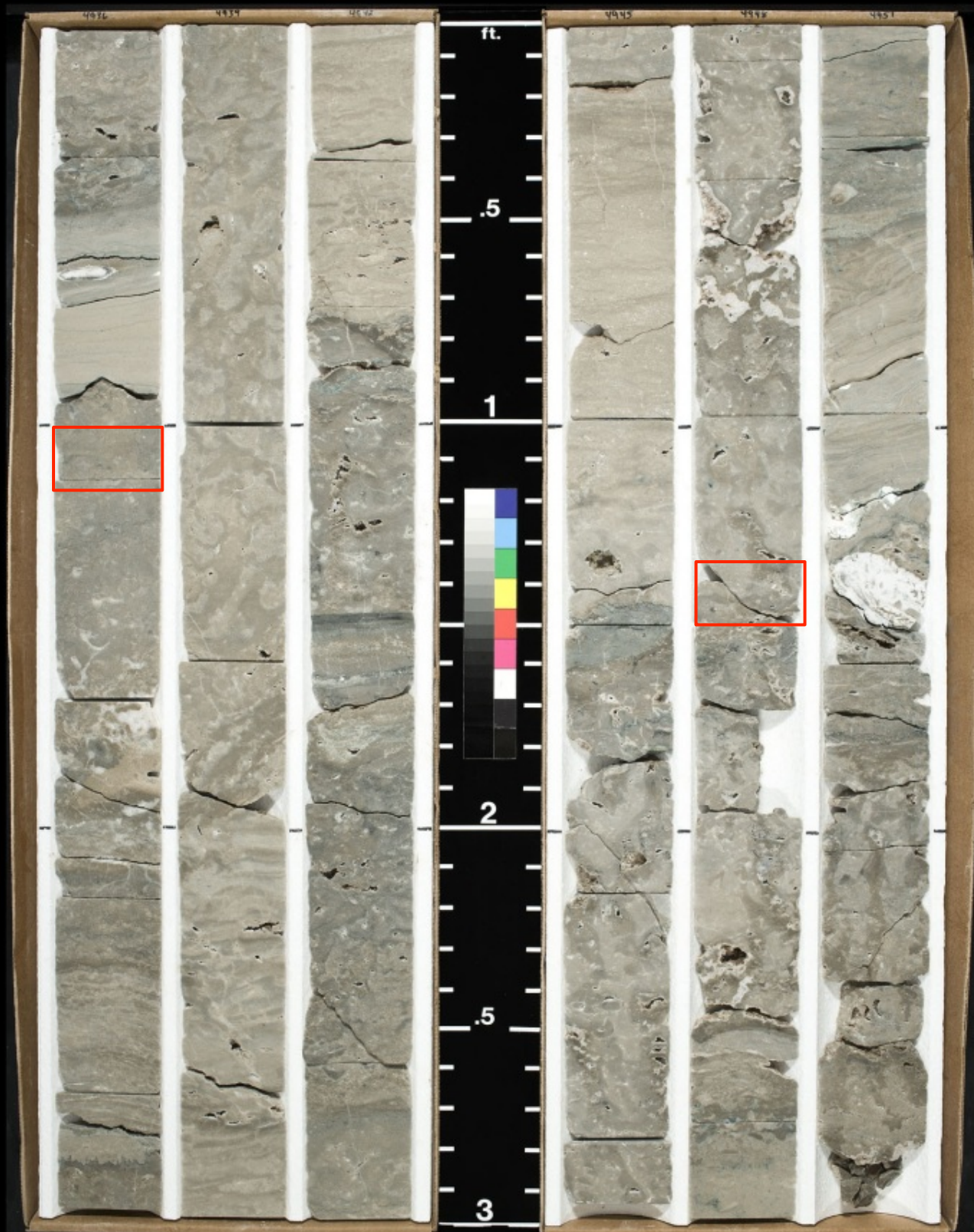
4942

CORE 30

4945

4948

4951



4954

4957

CORE 30



4959

4962

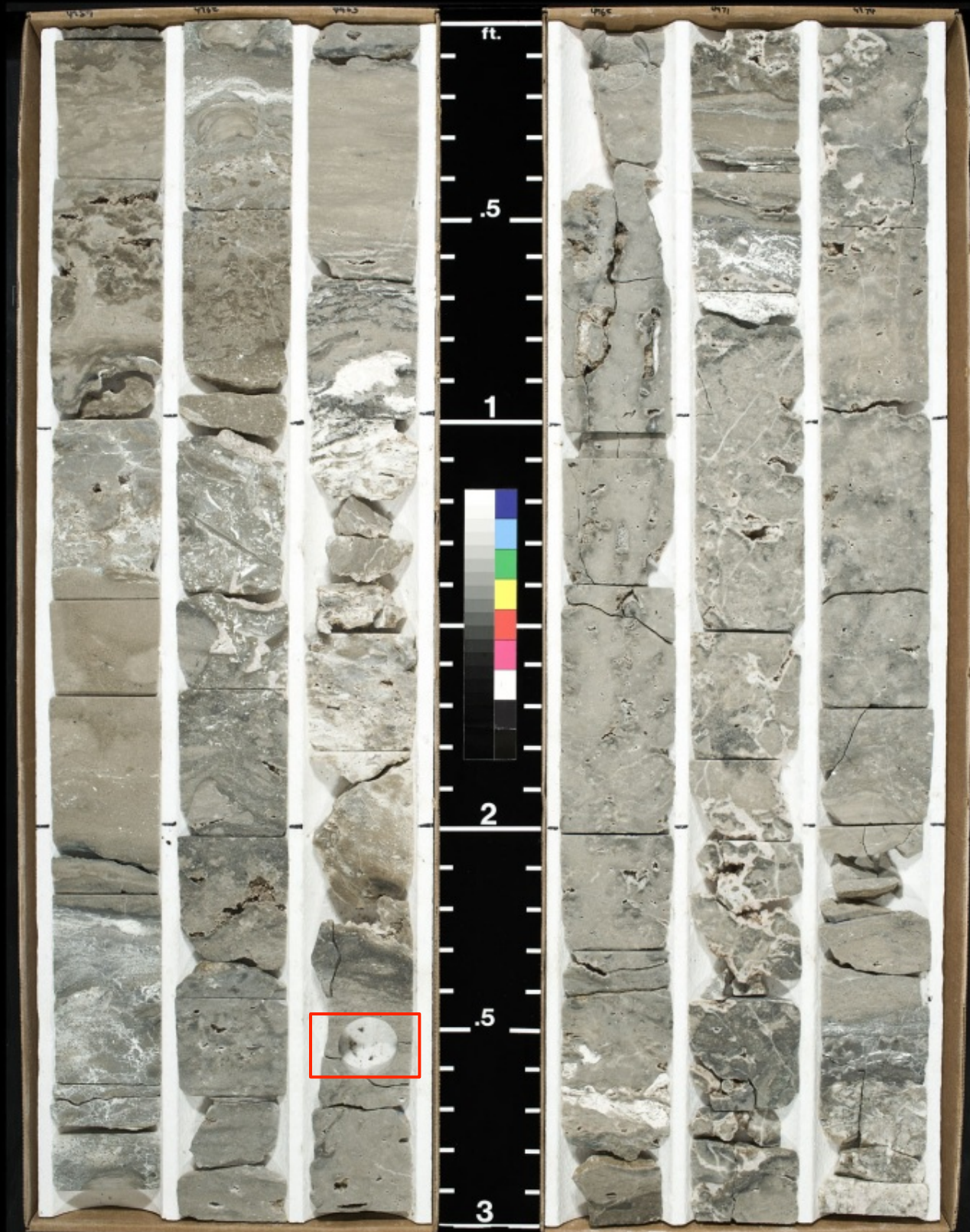
4965

CORE 31

4968

4971

4974



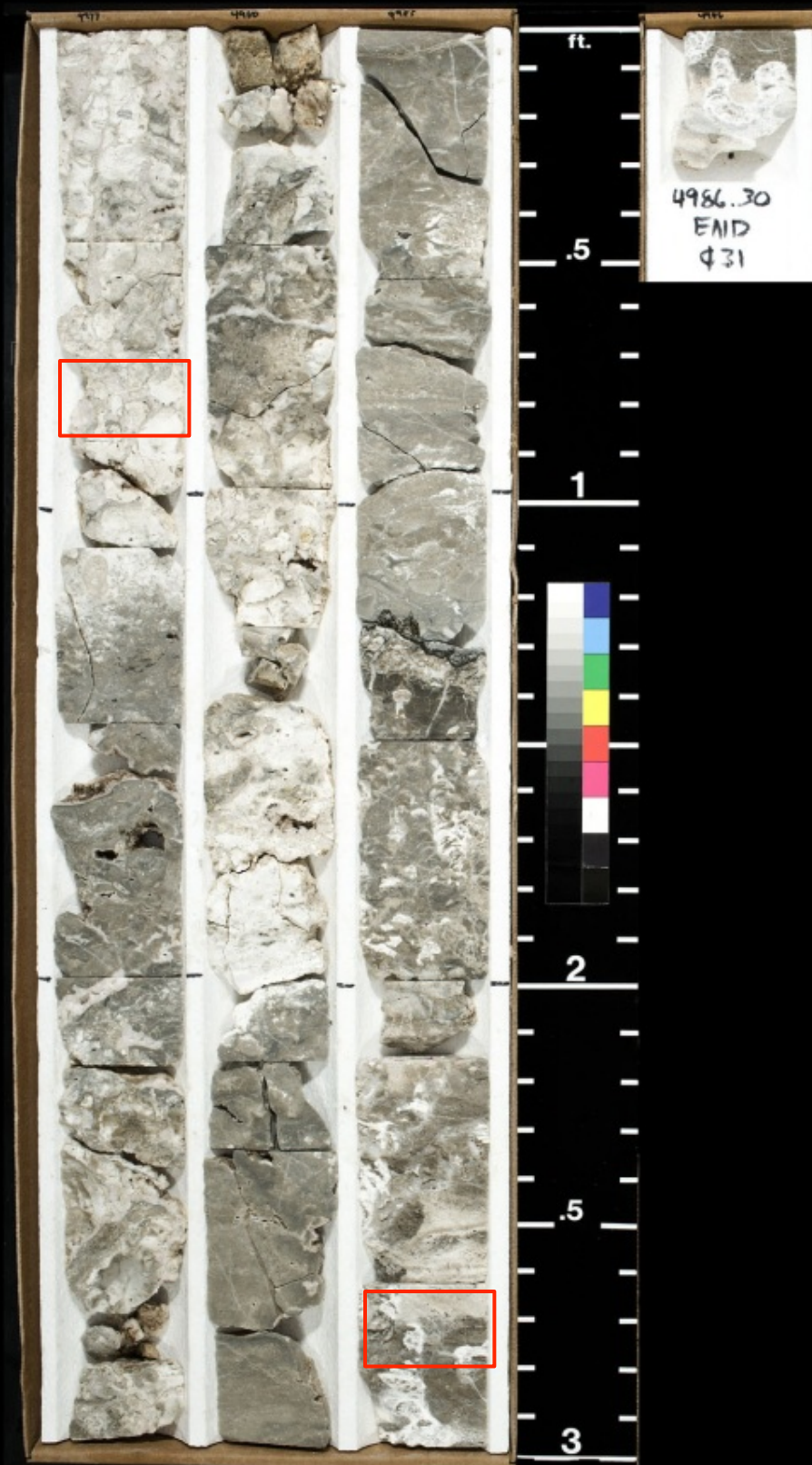
4977

4980

4983

CORE 31

4986



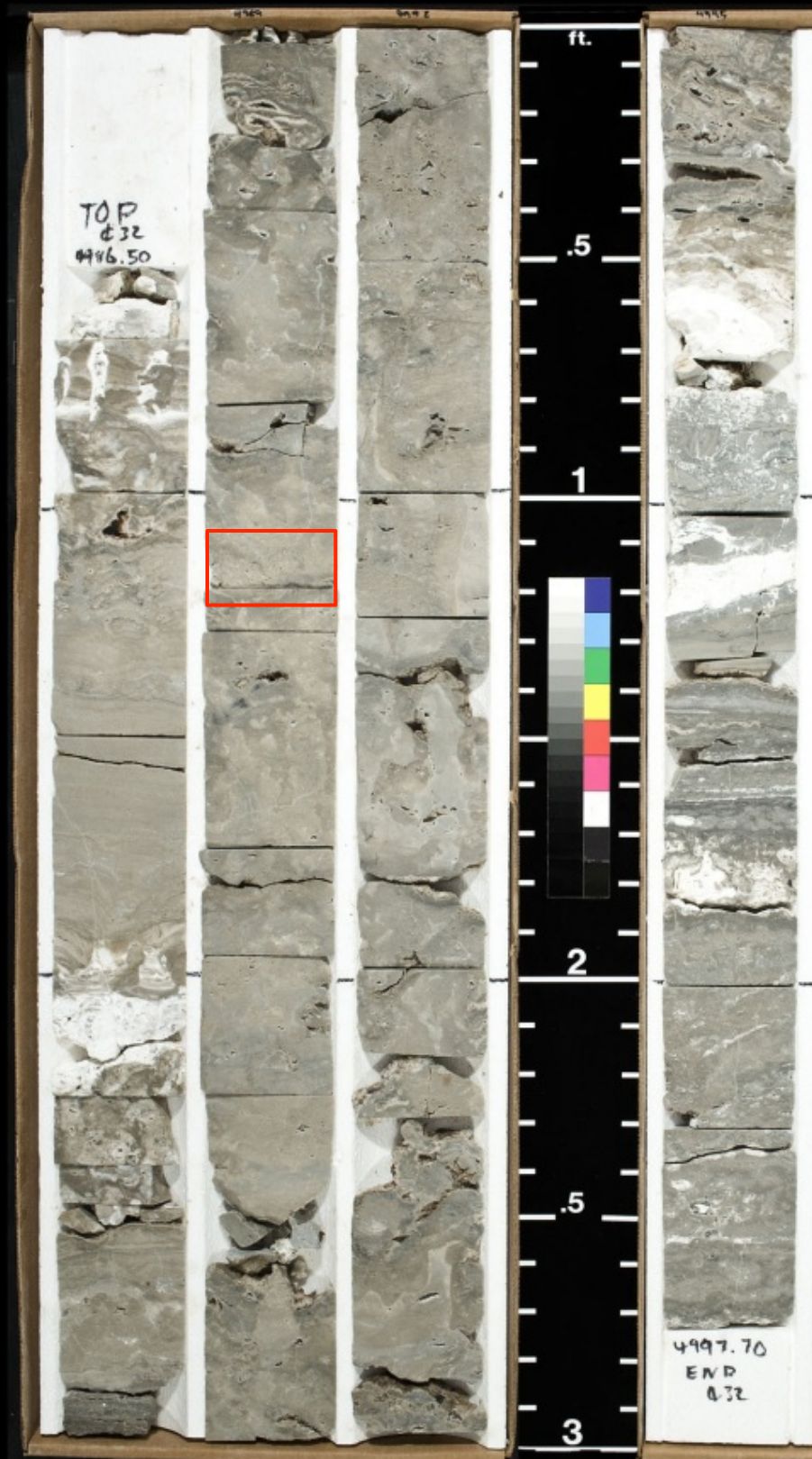
4986

4989

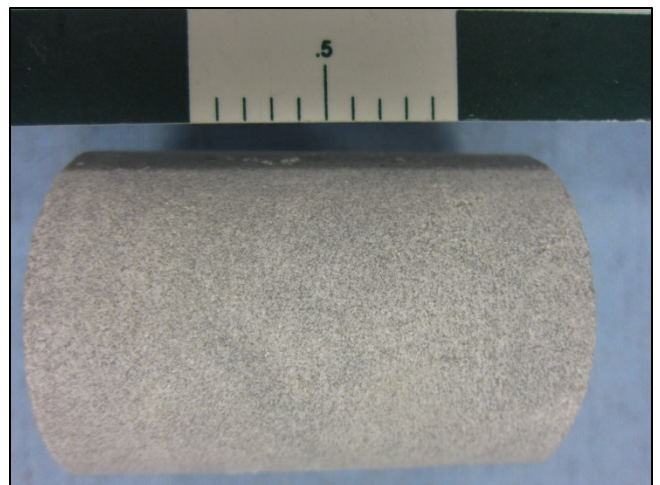
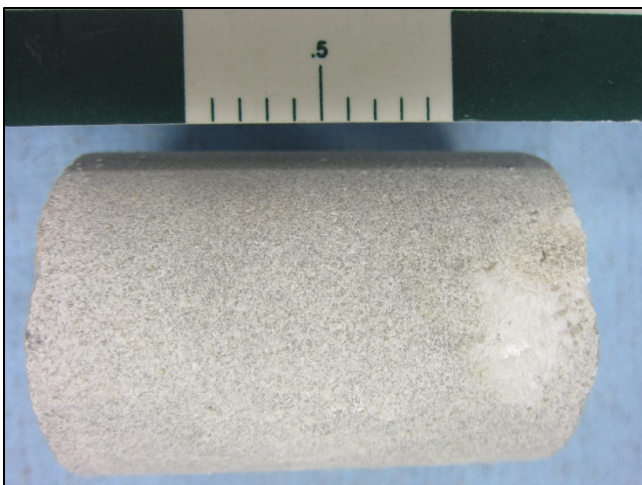
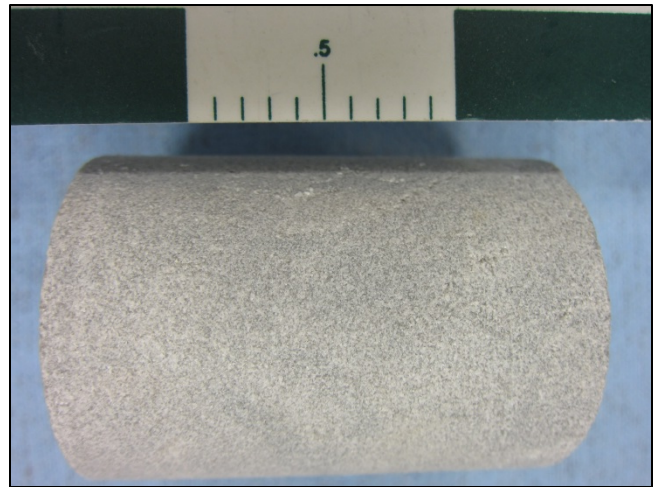
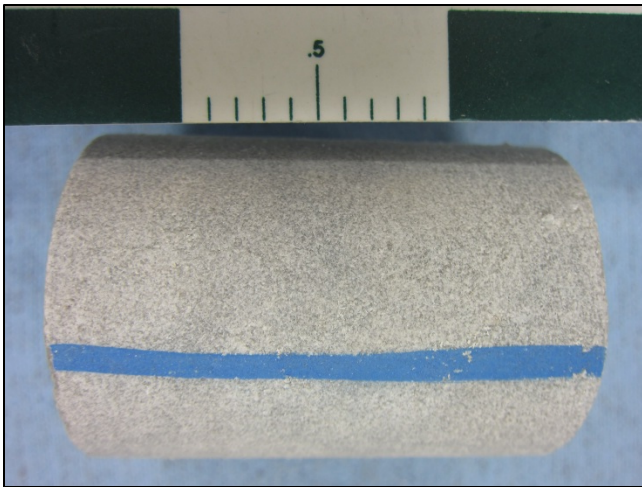
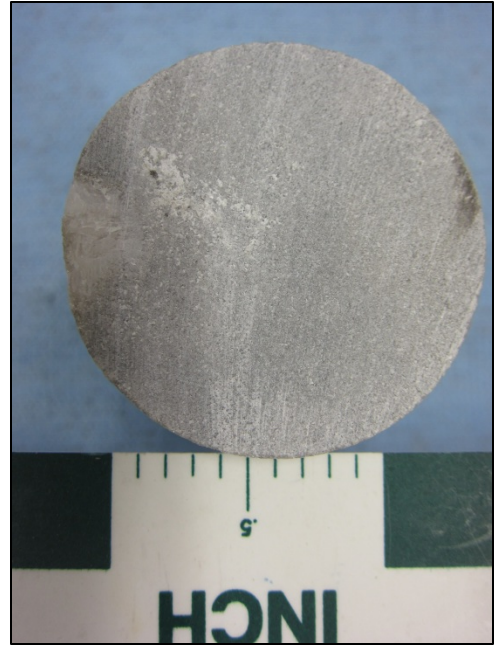
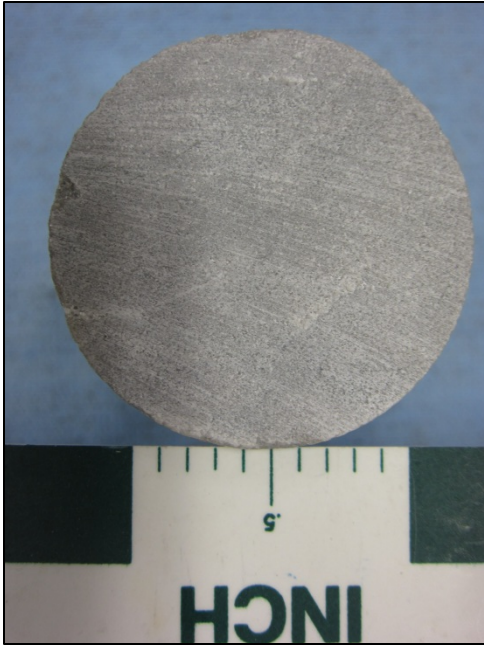
4992

CORE 32

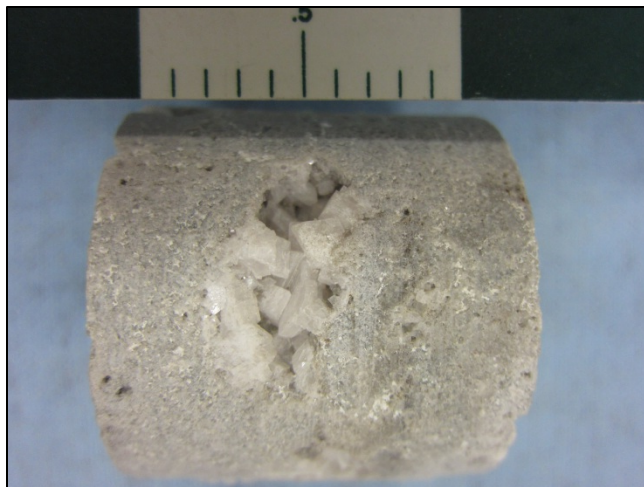
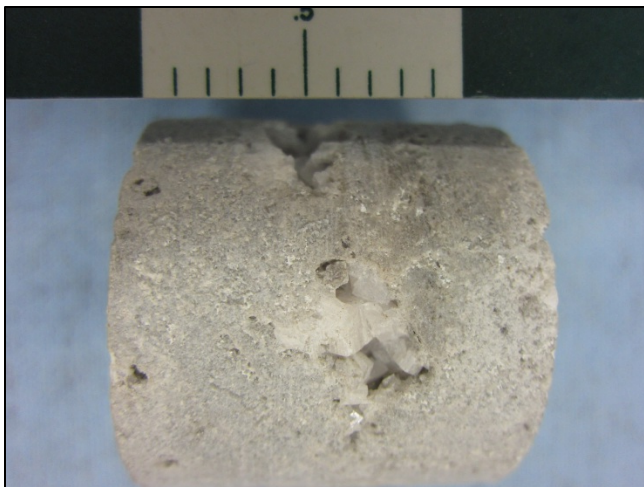
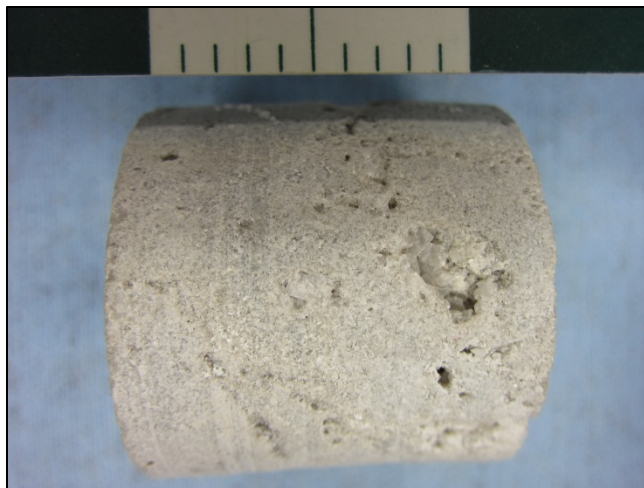
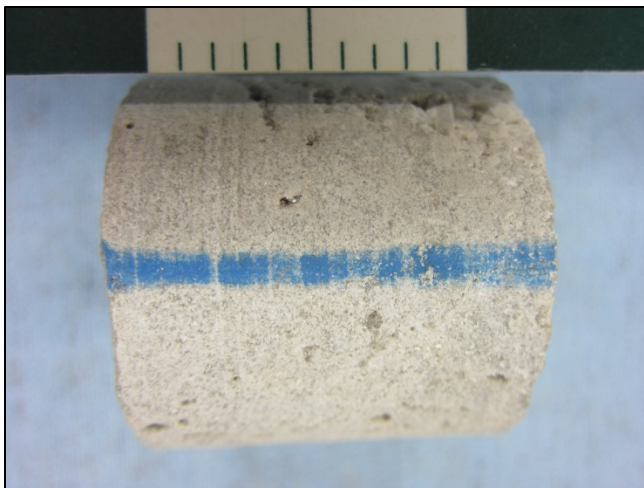
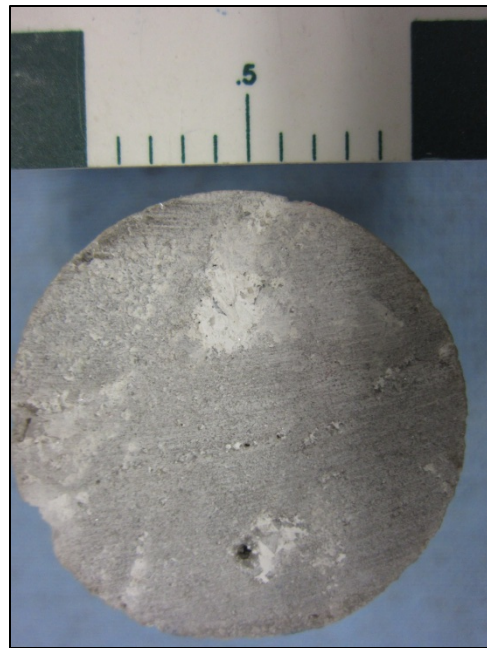
4995



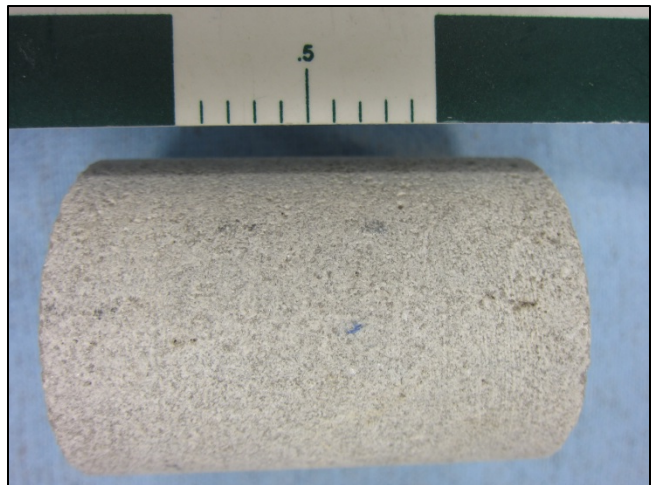
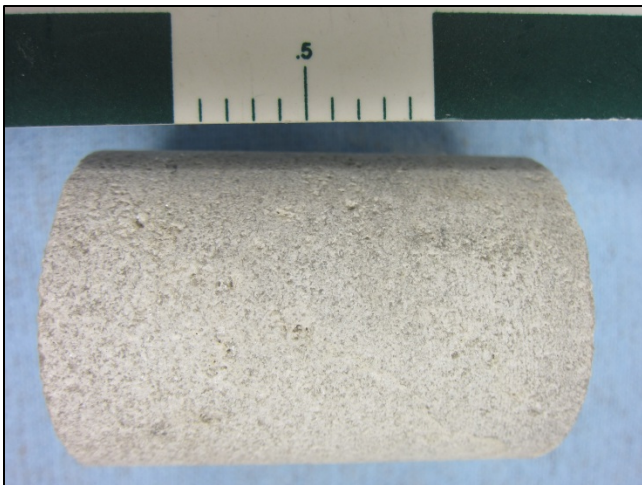
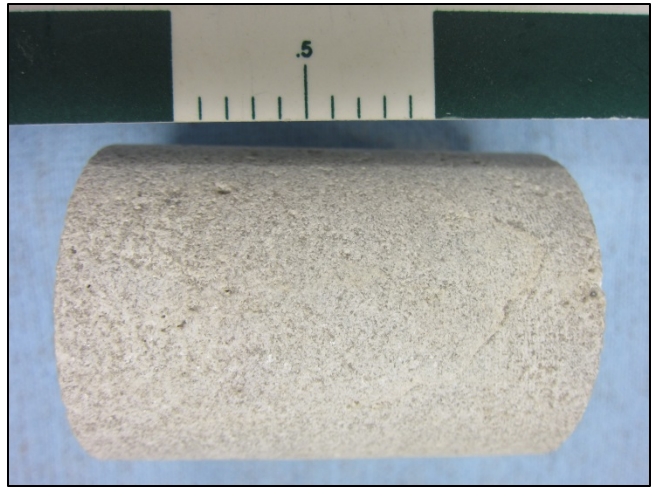
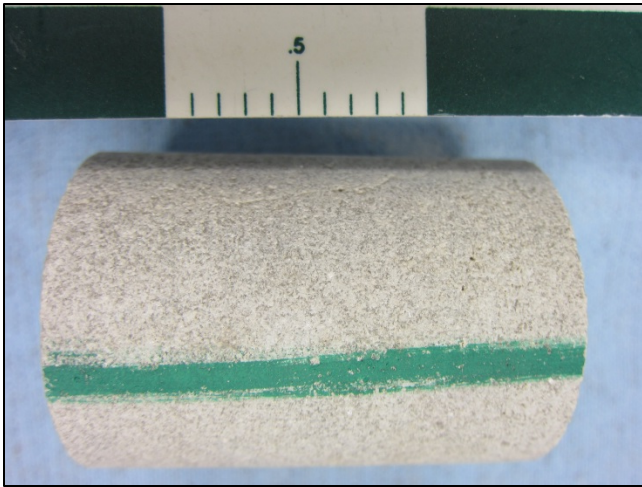
30-4
4903.8'



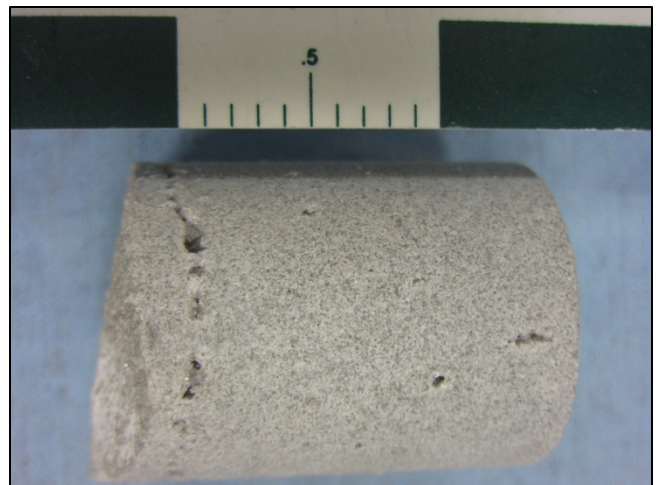
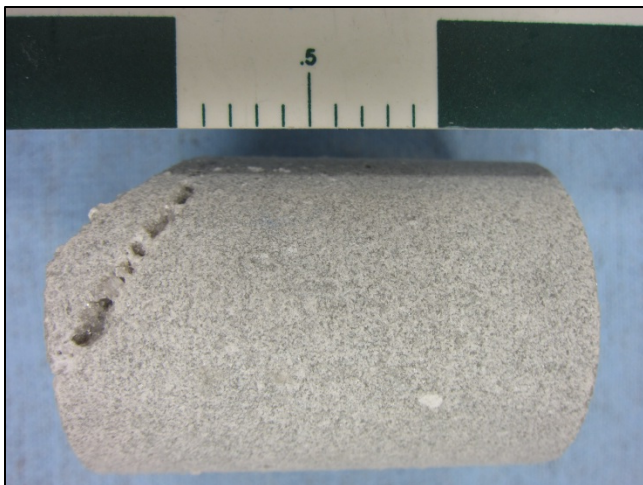
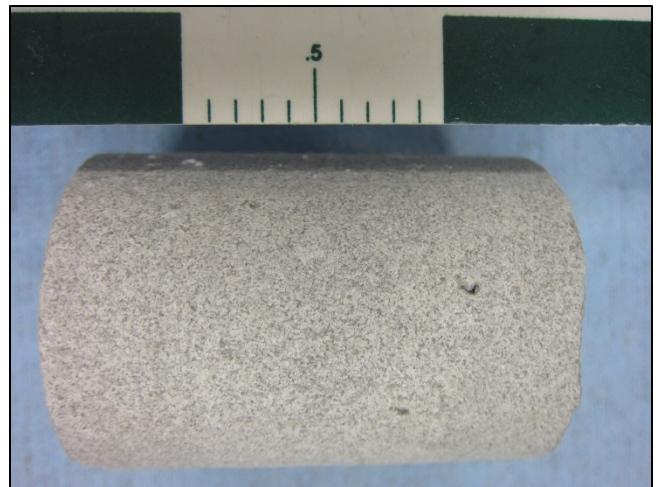
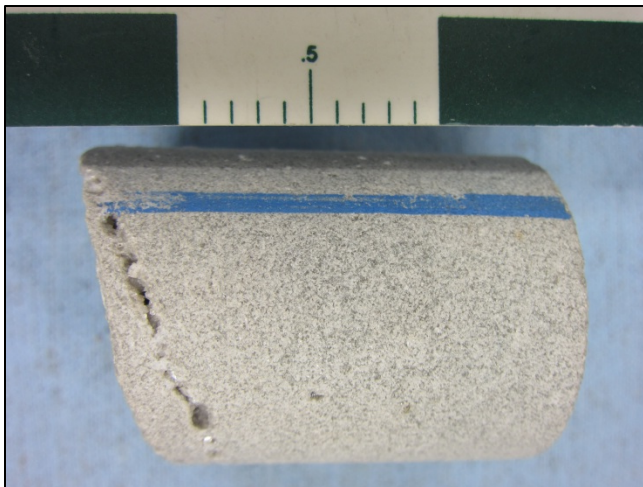
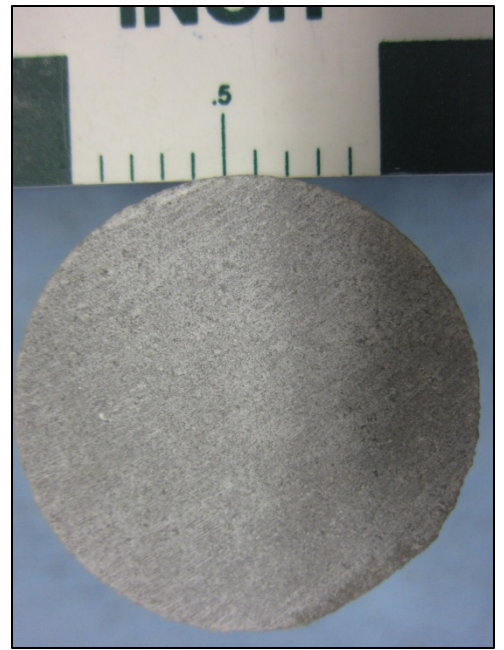
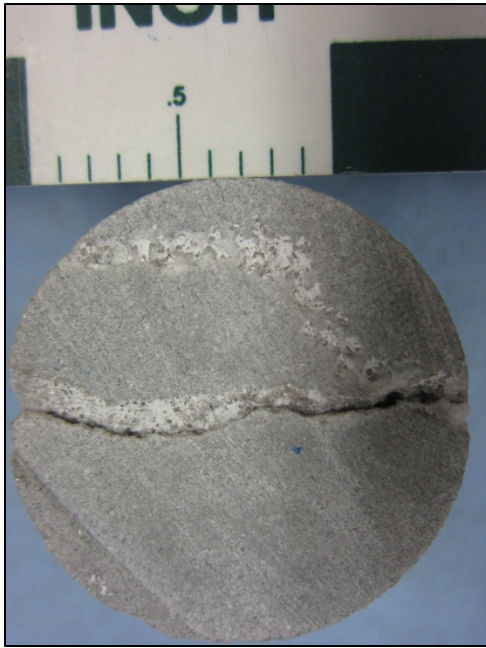
30-7
4906.4'



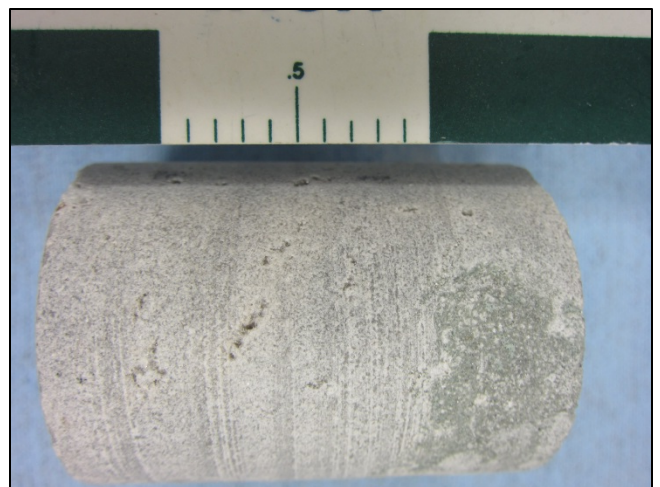
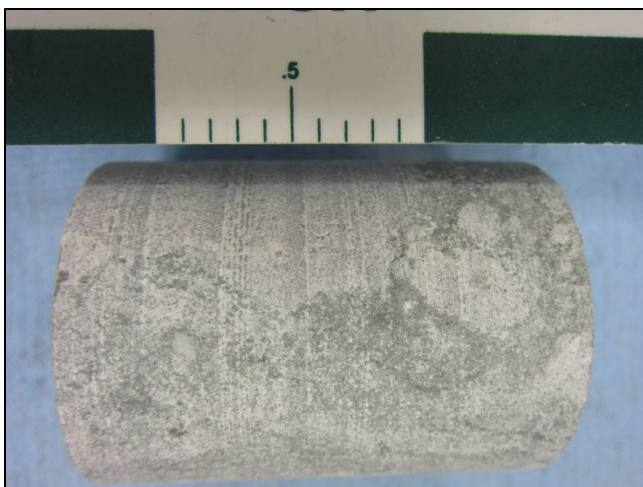
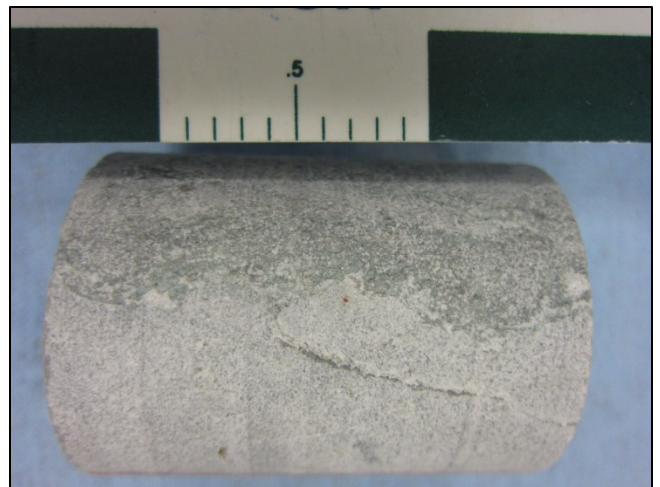
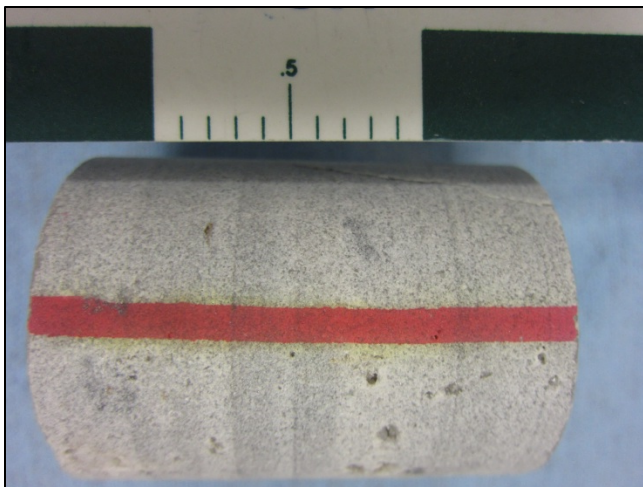
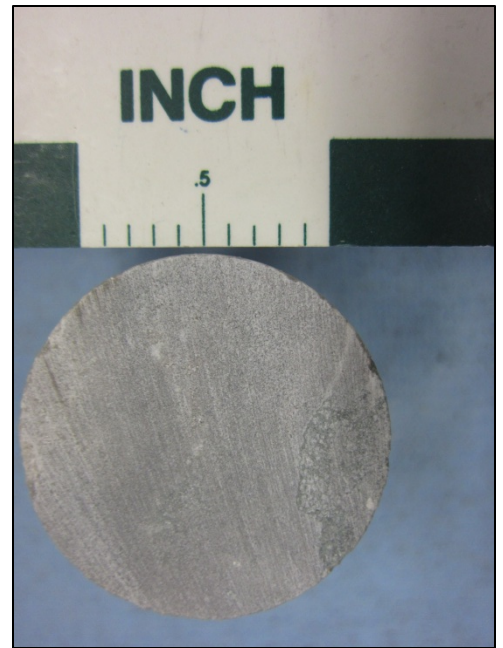
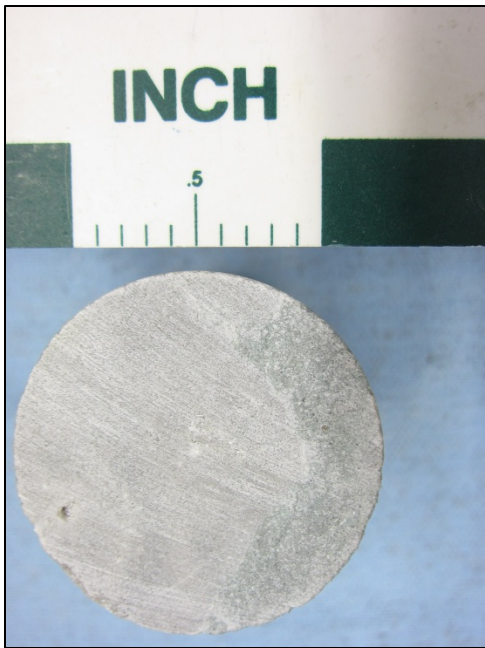
30-14
4913.4'



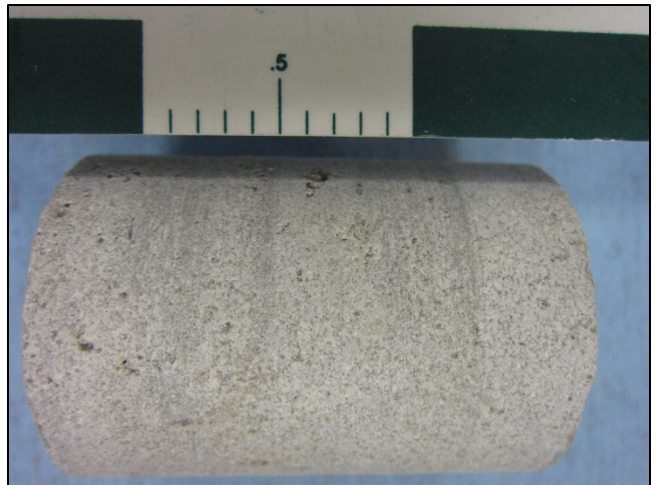
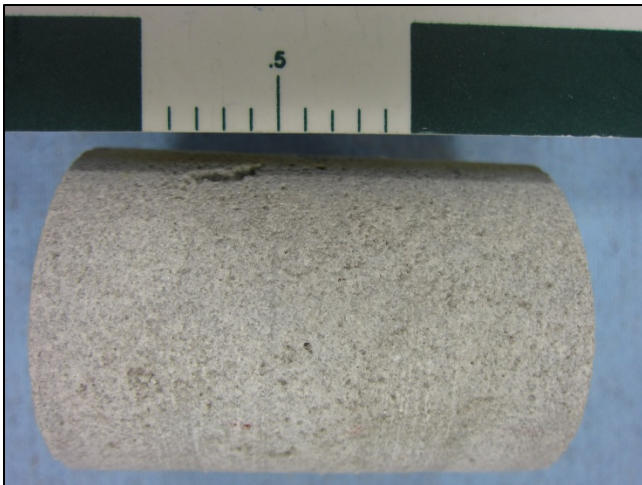
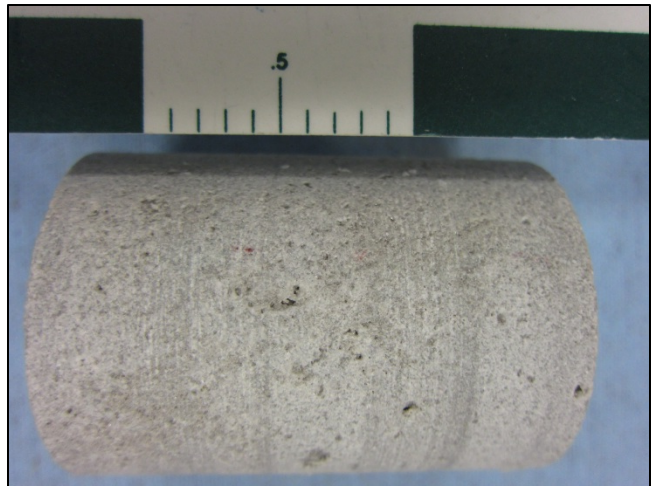
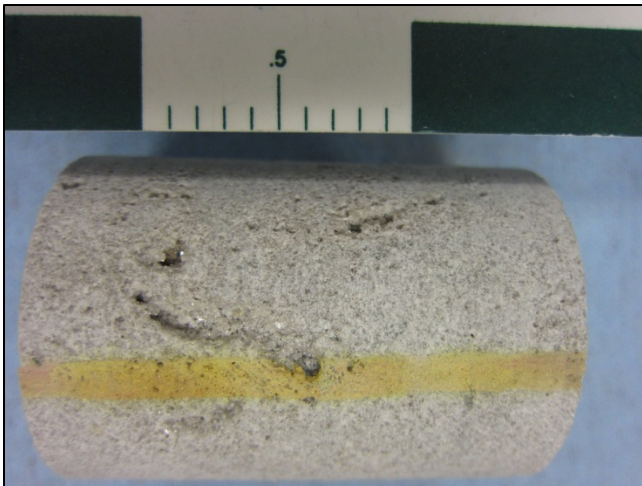
30-17
4916.6'



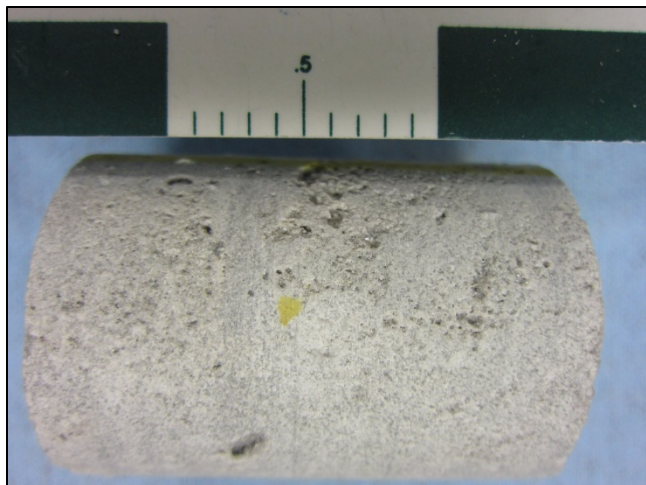
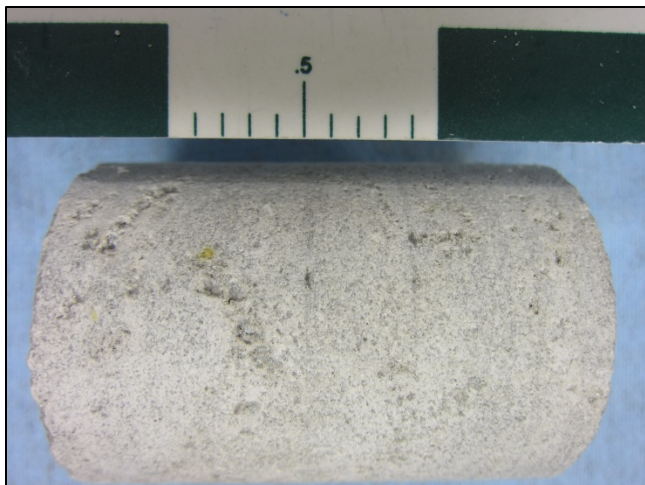
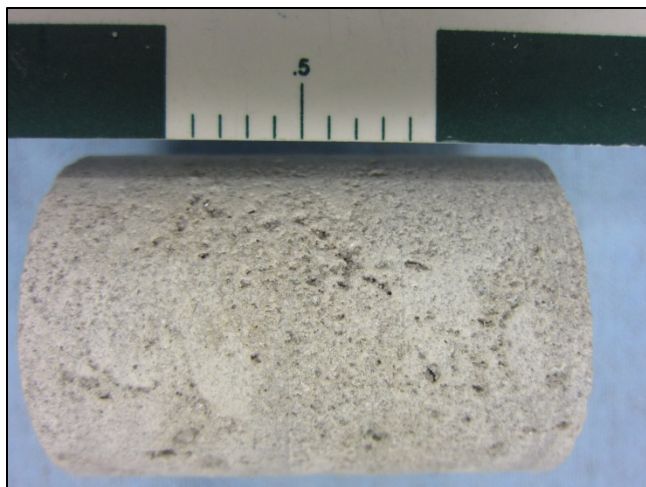
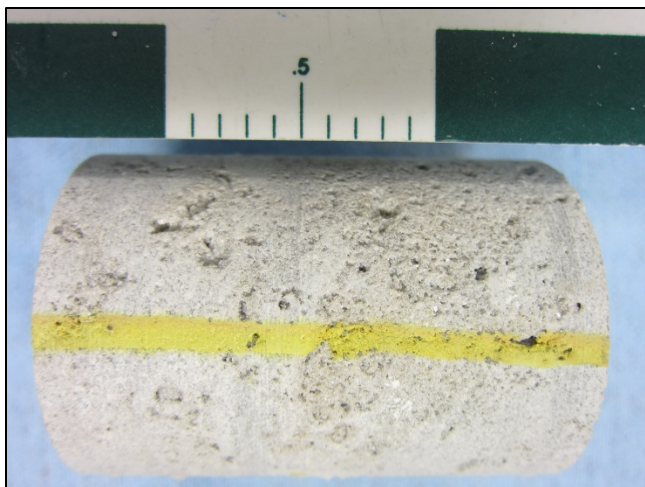
30-24
4923.7'



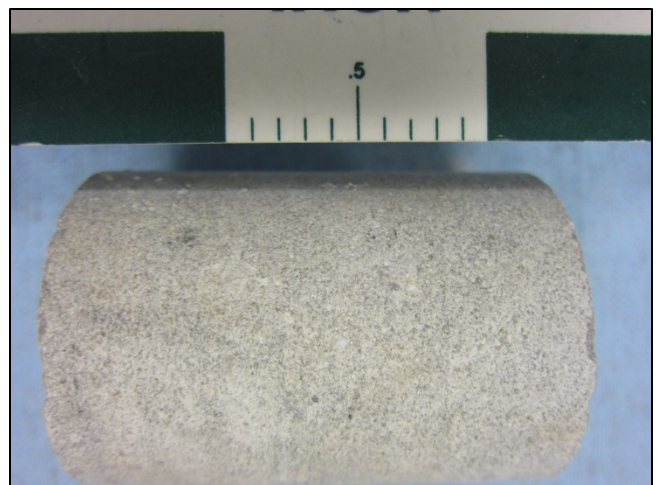
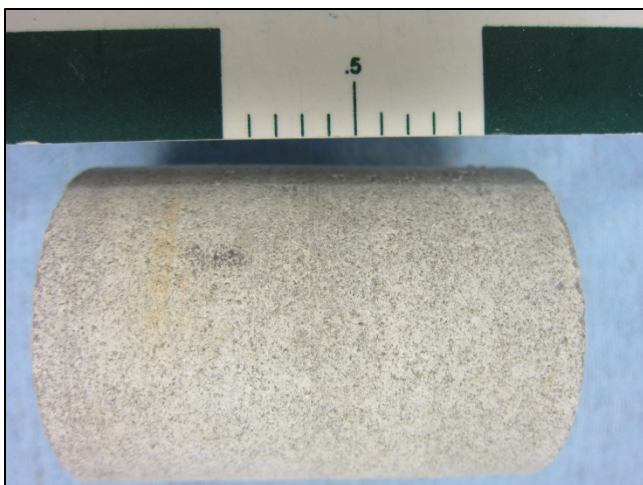
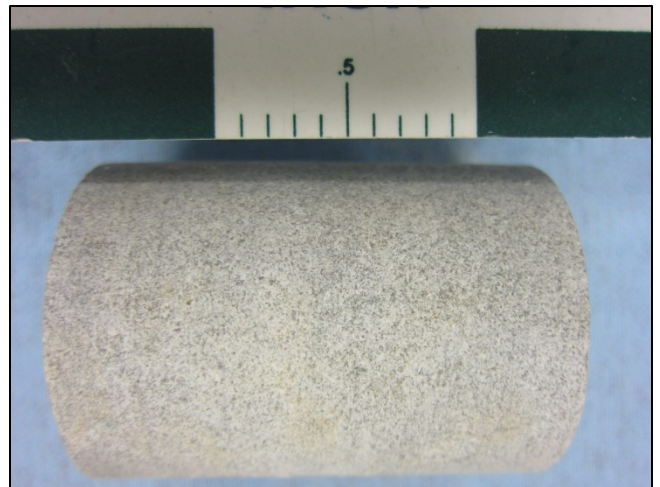
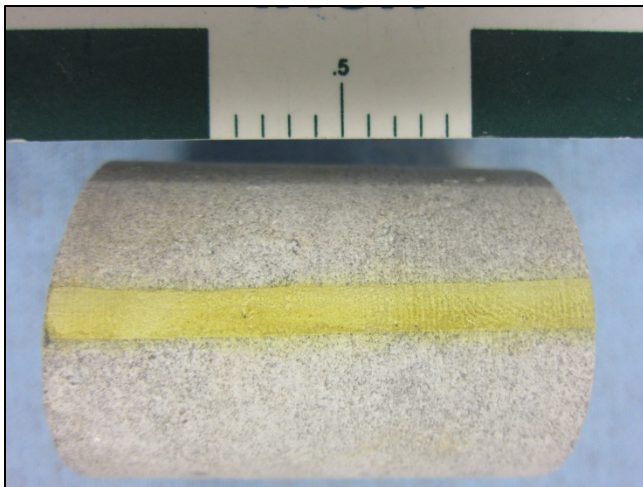
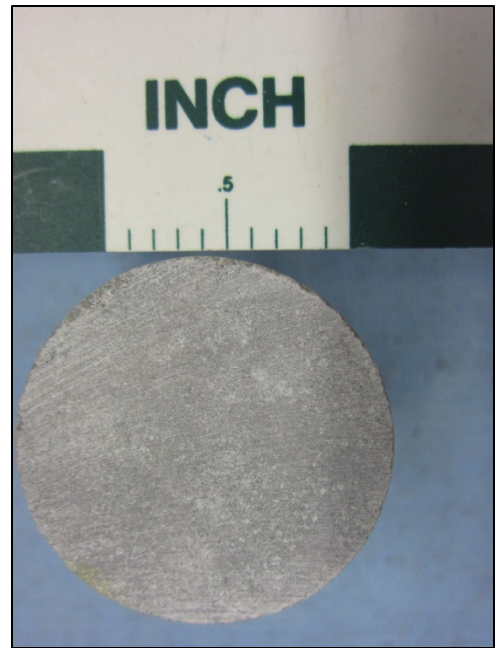
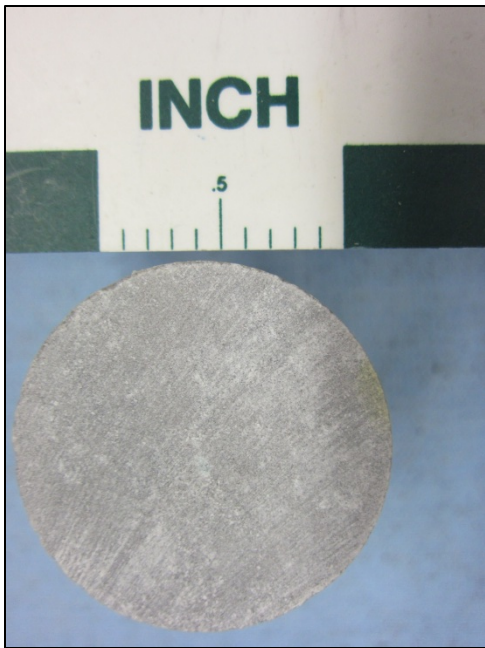
30-26
4925.7'



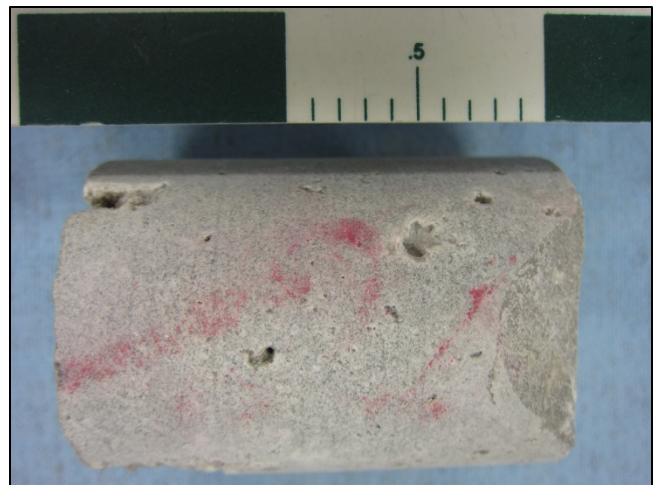
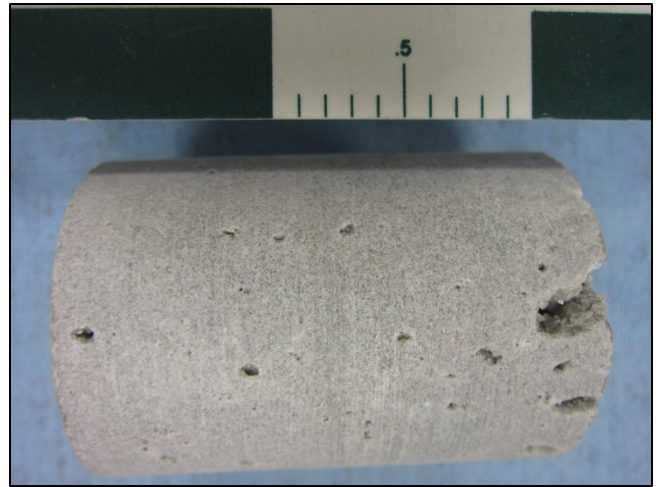
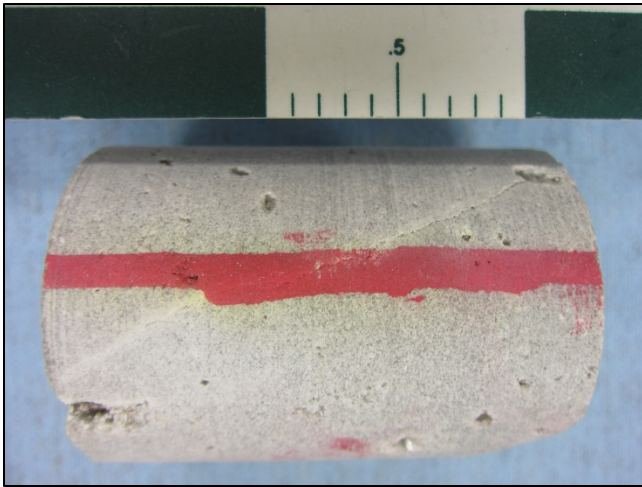
30-30
4929.1'



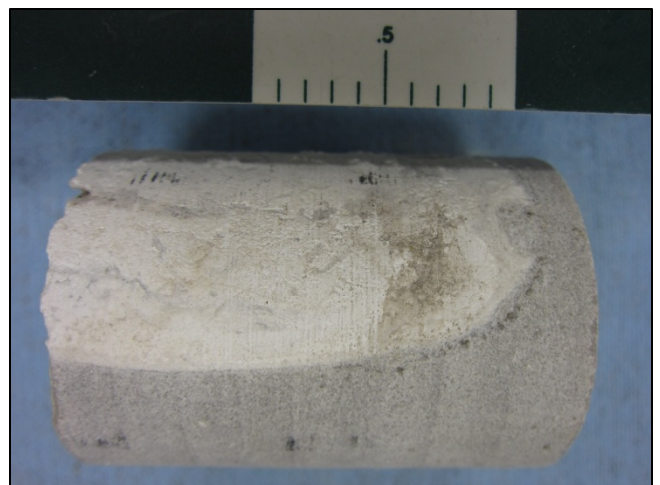
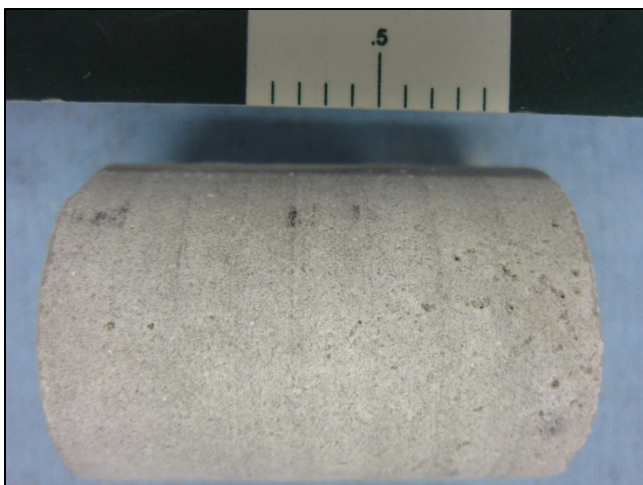
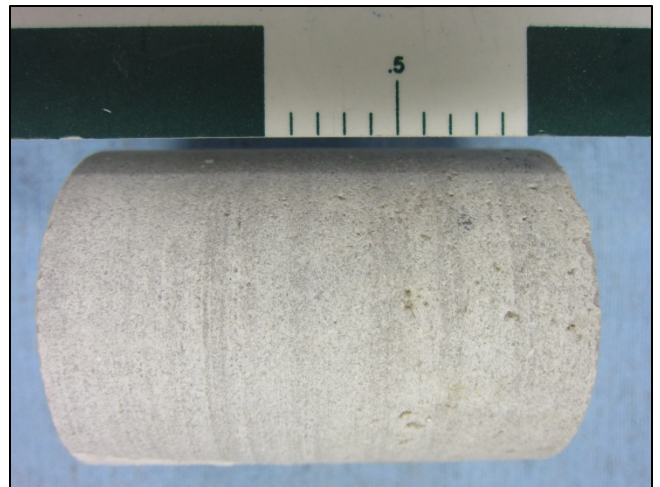
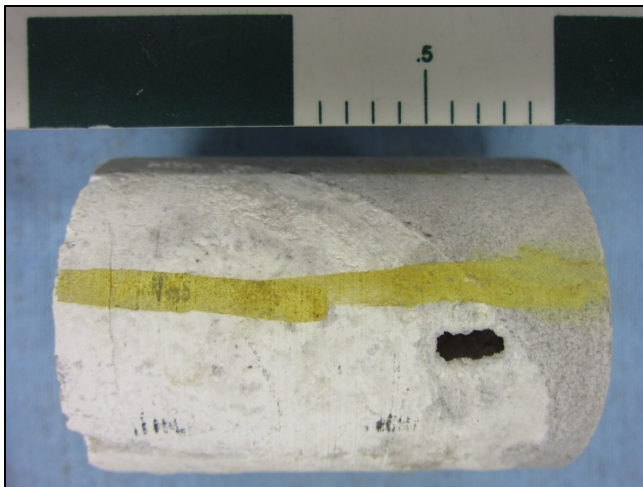
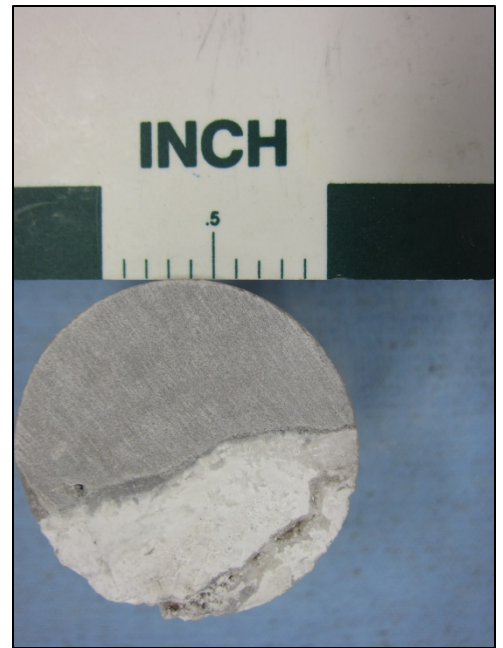
30-38
4937.1'



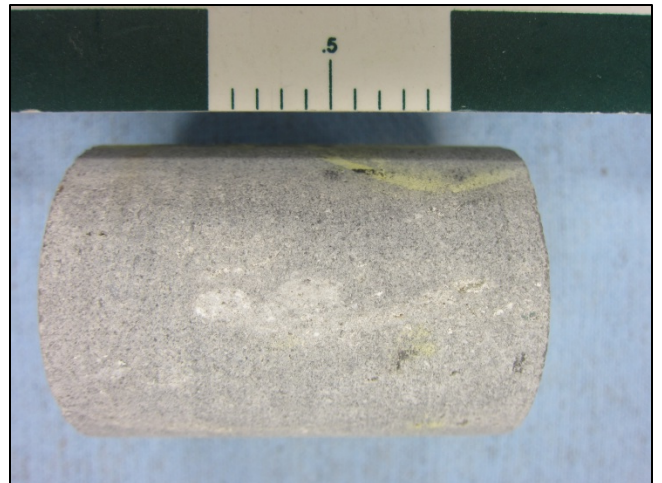
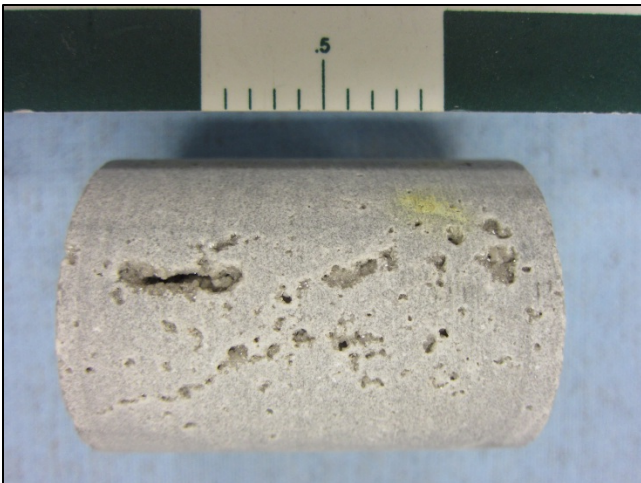
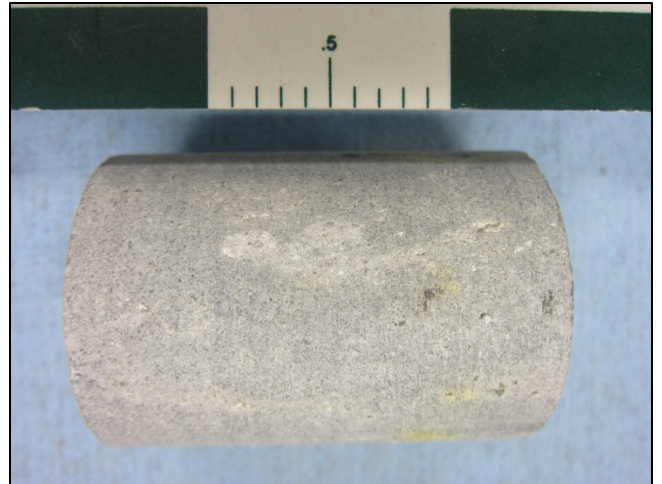
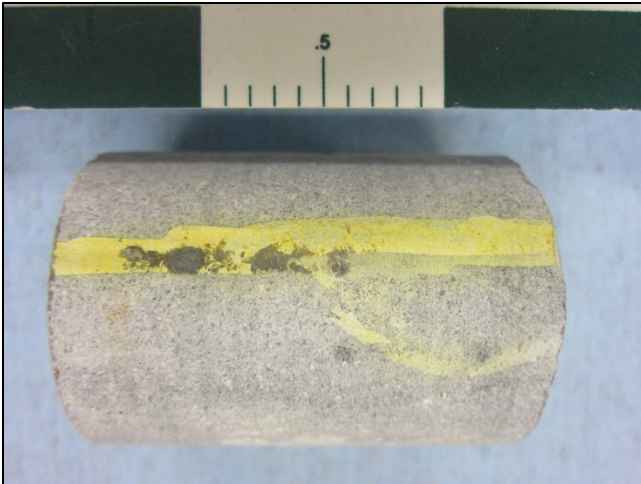
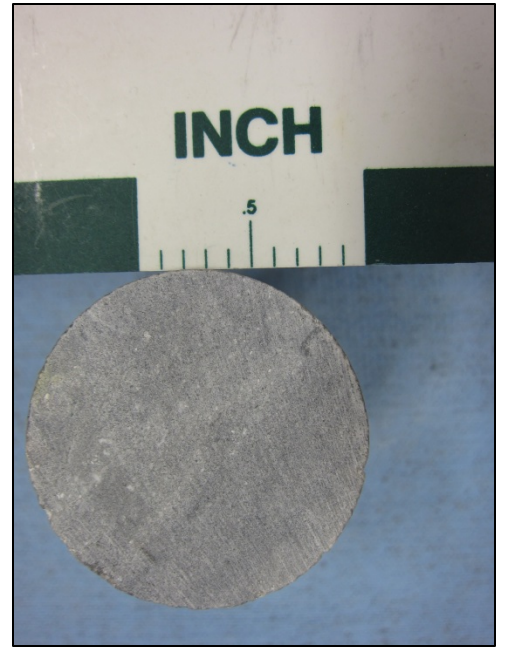
30-50
4949.4'



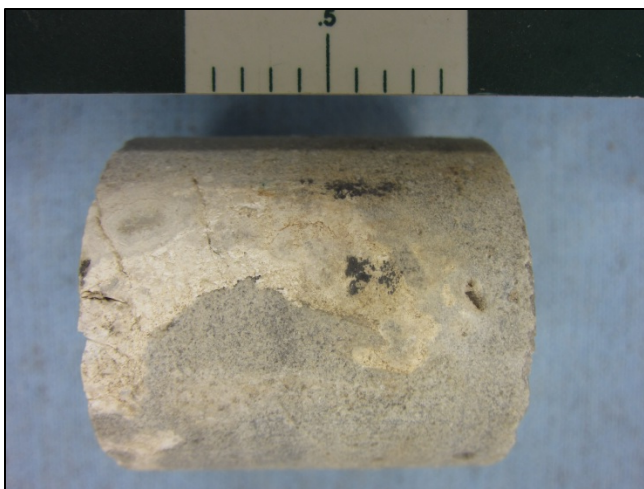
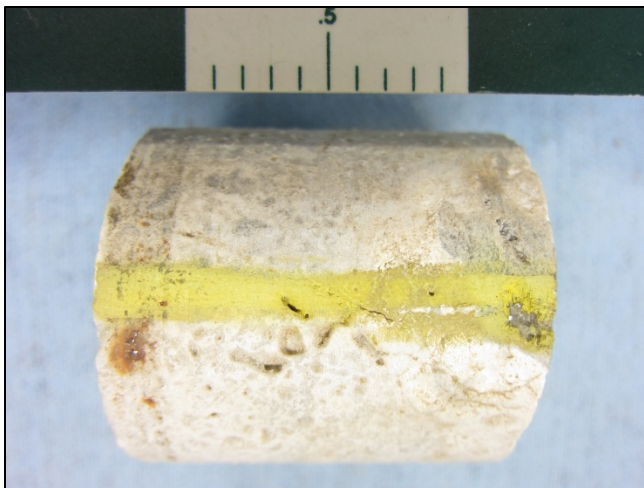
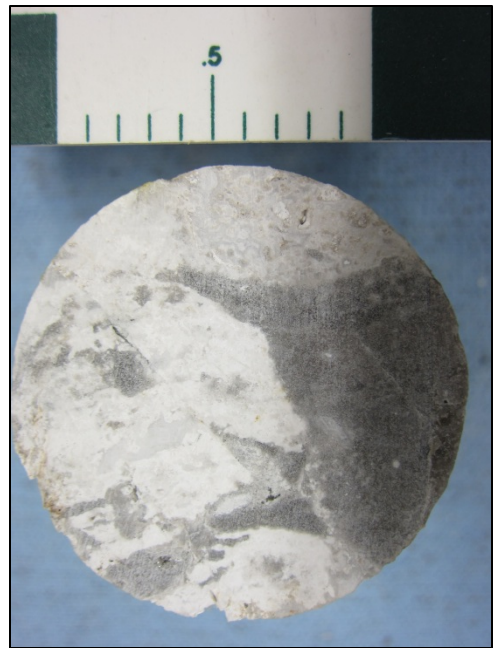
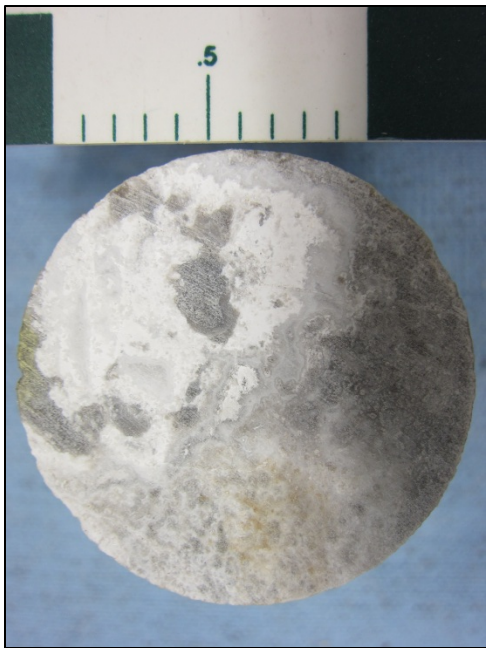
30-56
4955.9'



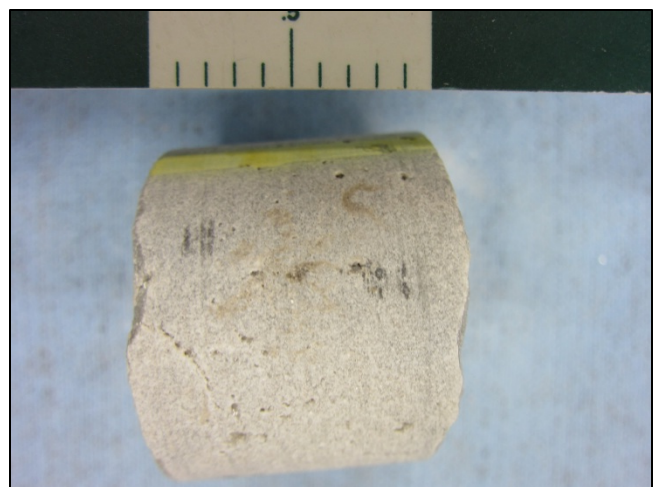
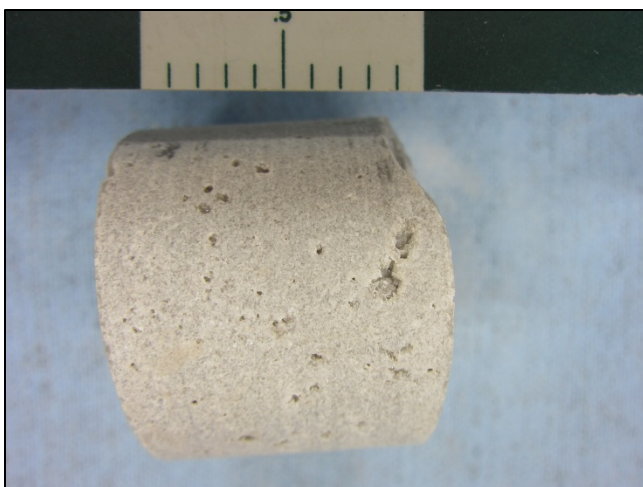
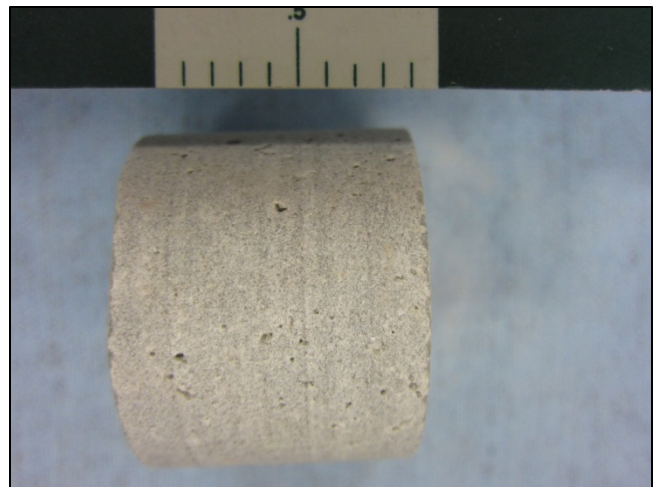
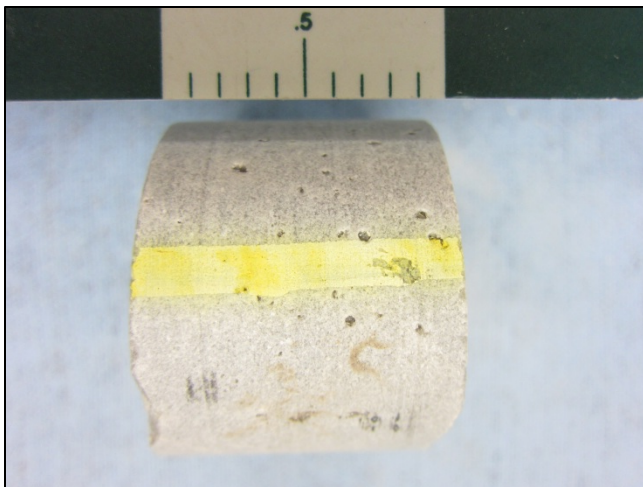
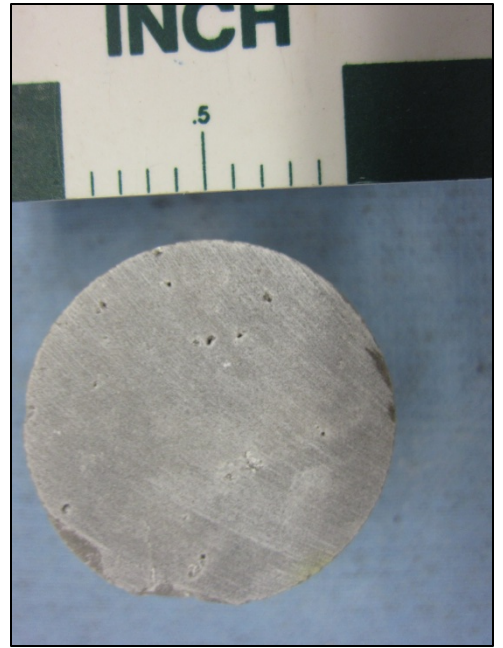
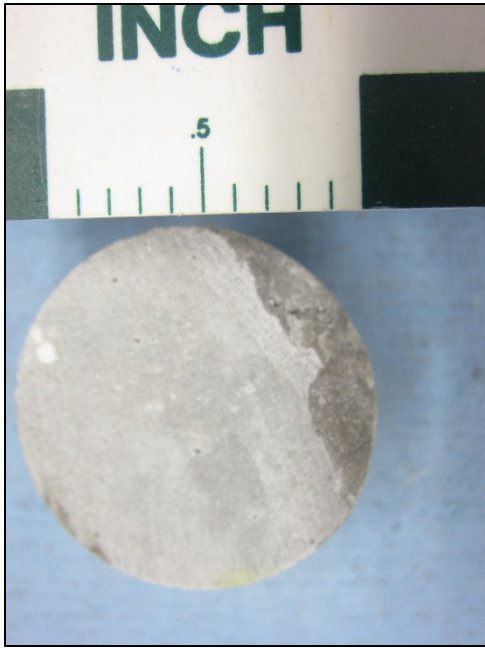
31-9
4967.4'



31-27
4985.8'



32-5
4990.1'





5050

5053

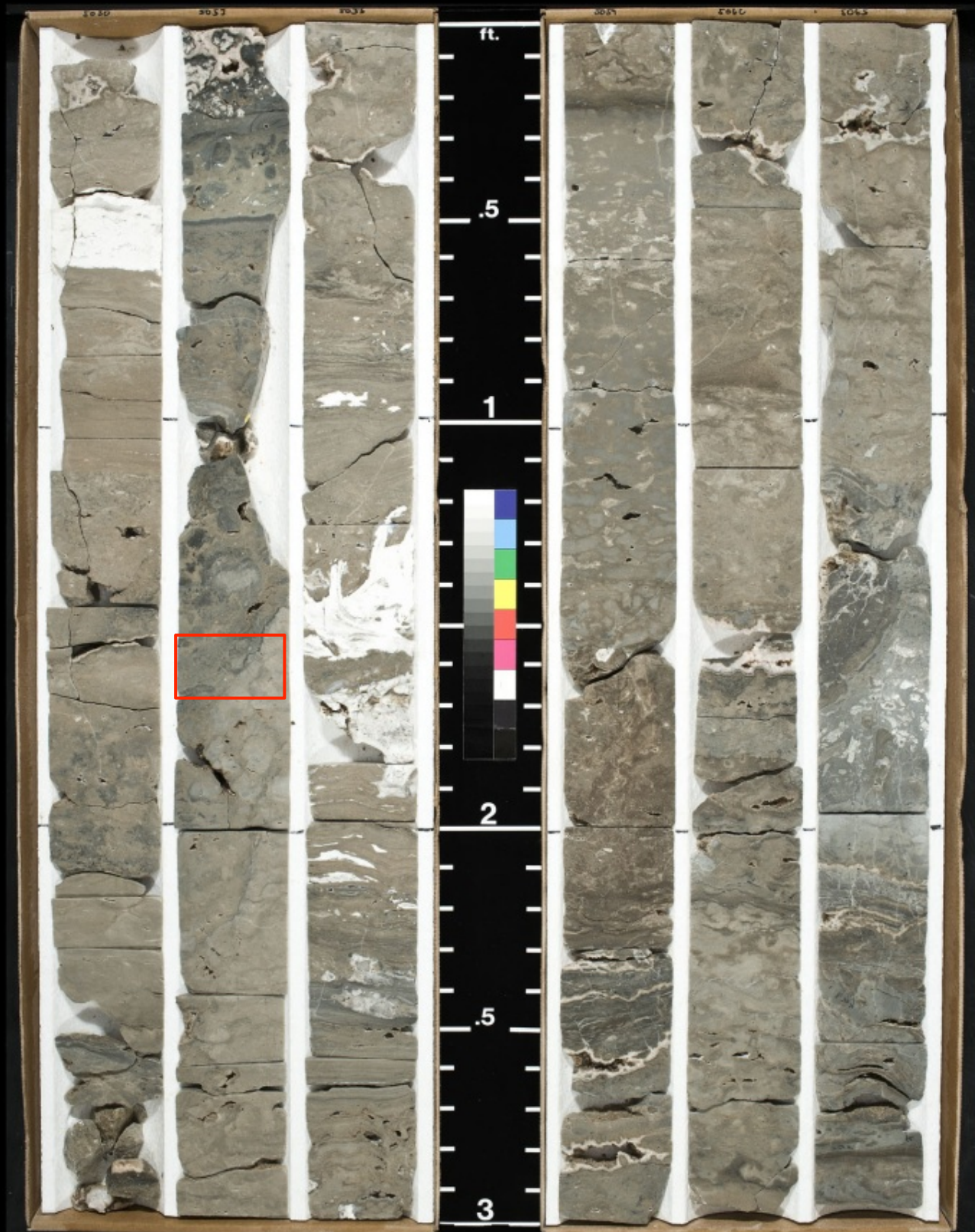
5056

CORE 33

5059

5062

5065



5068

5071

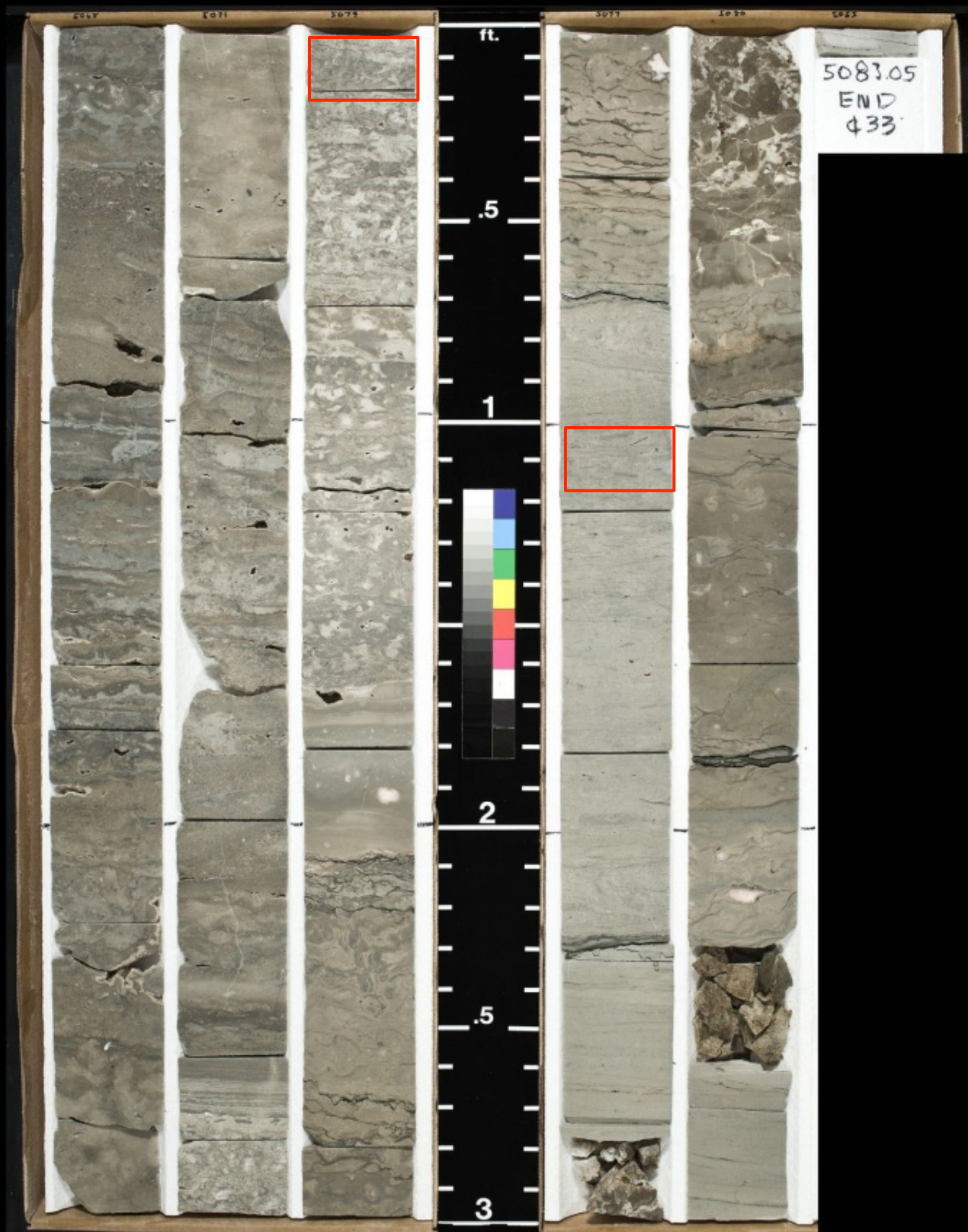
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CORE 33

5077

5080

5083



5083

5086

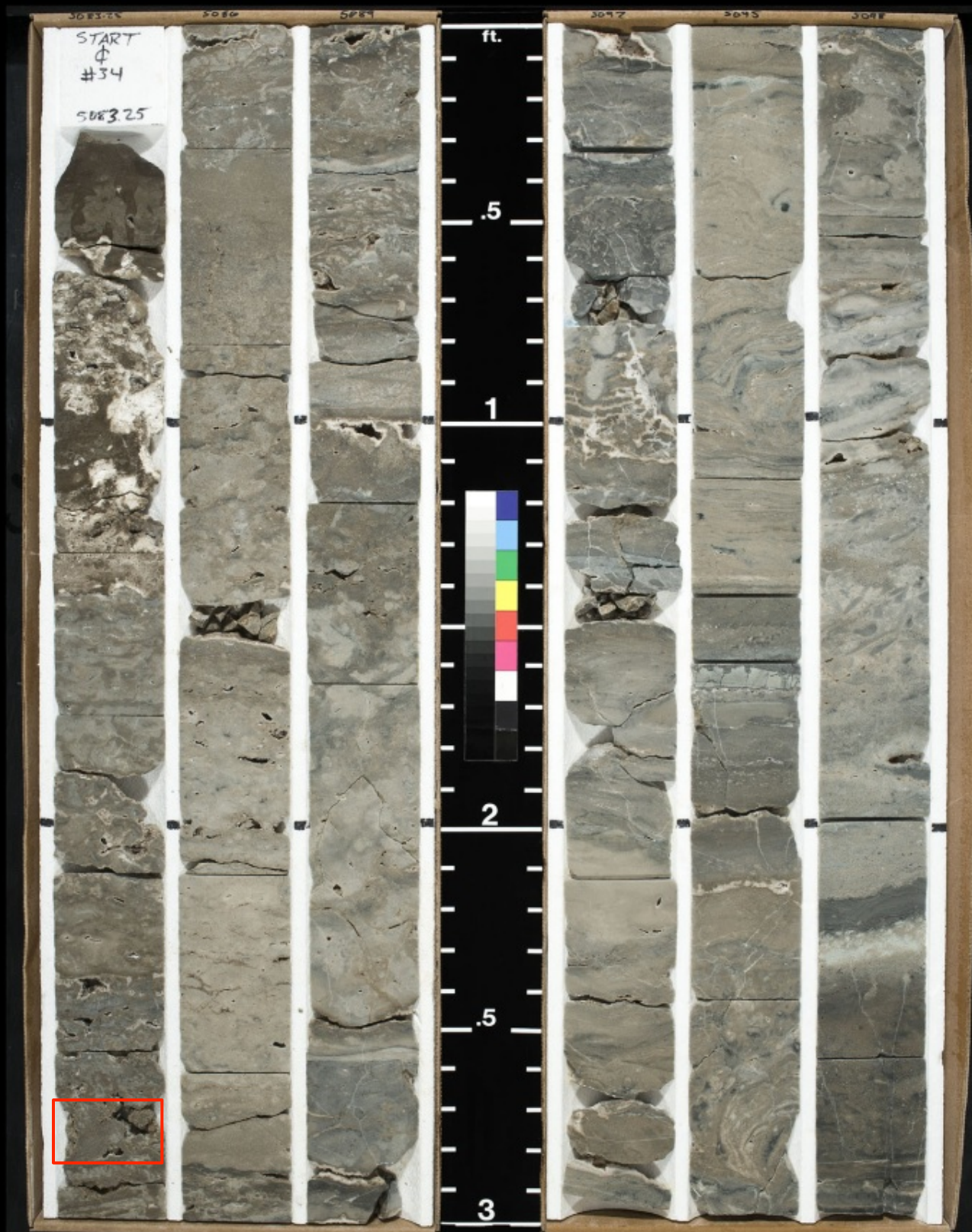
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CORE 34

5092

5095

5098



5101

5104

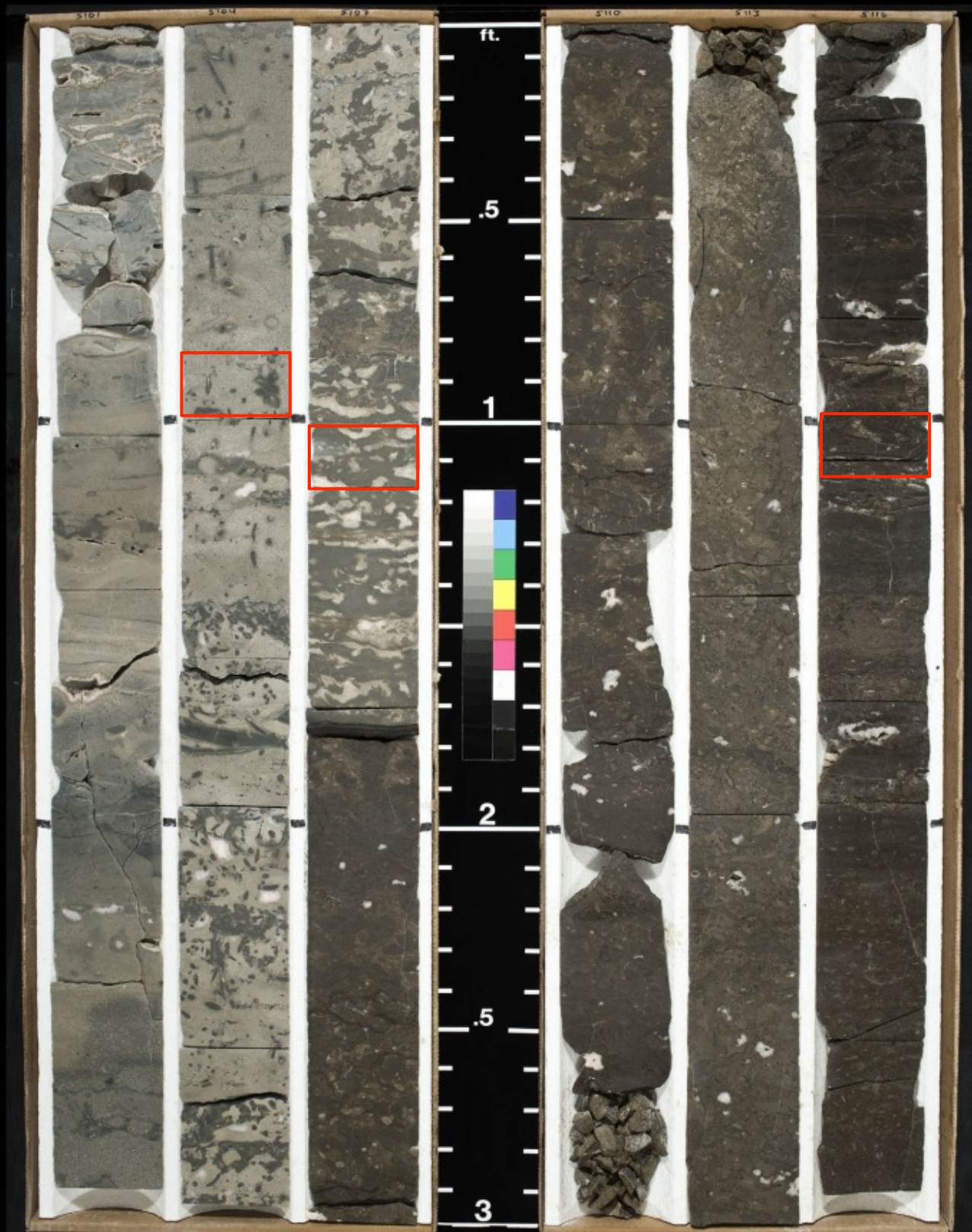
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CORE 34

5110

5113

5116



5119

5122

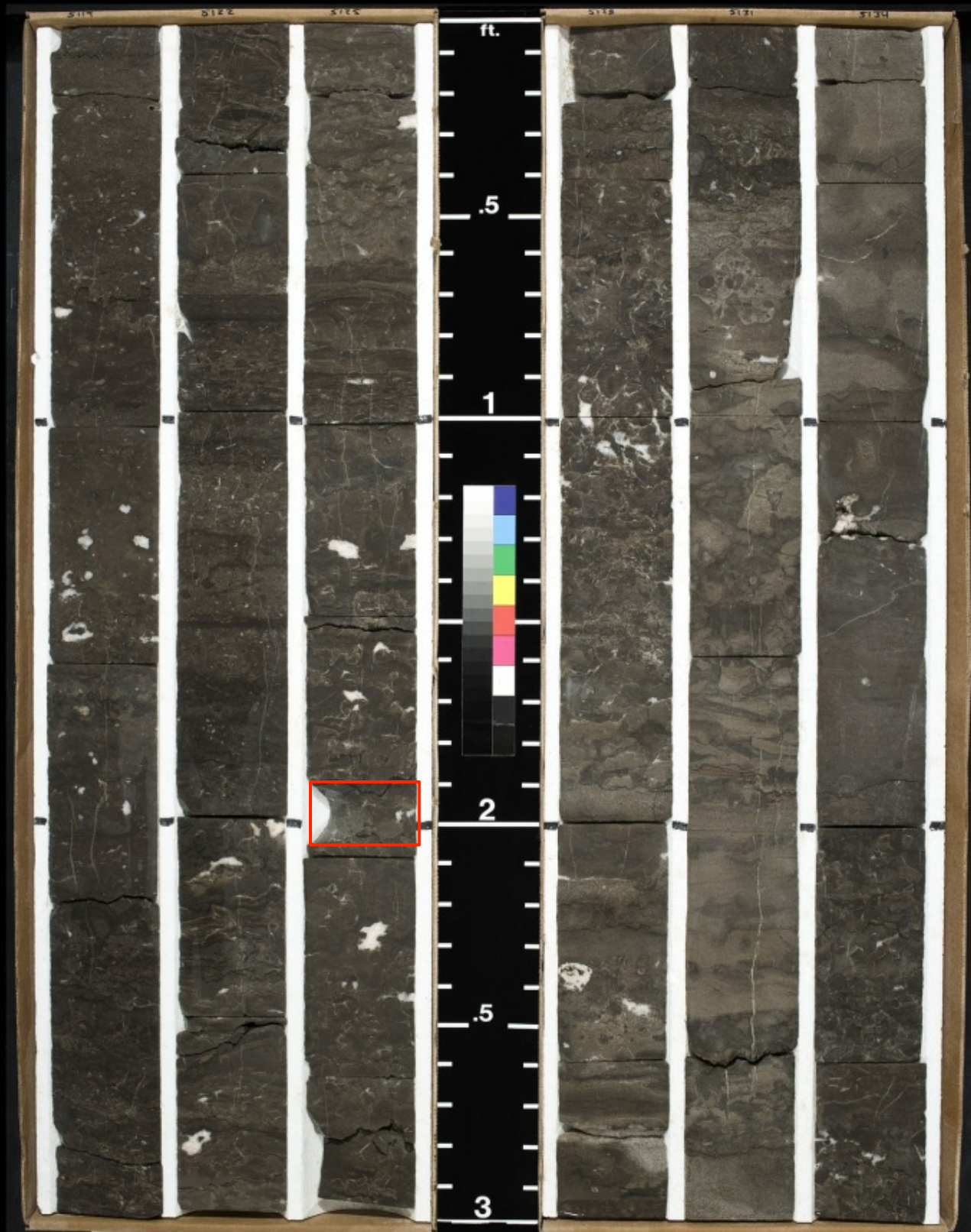
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CORE 34

5128

5131

5134

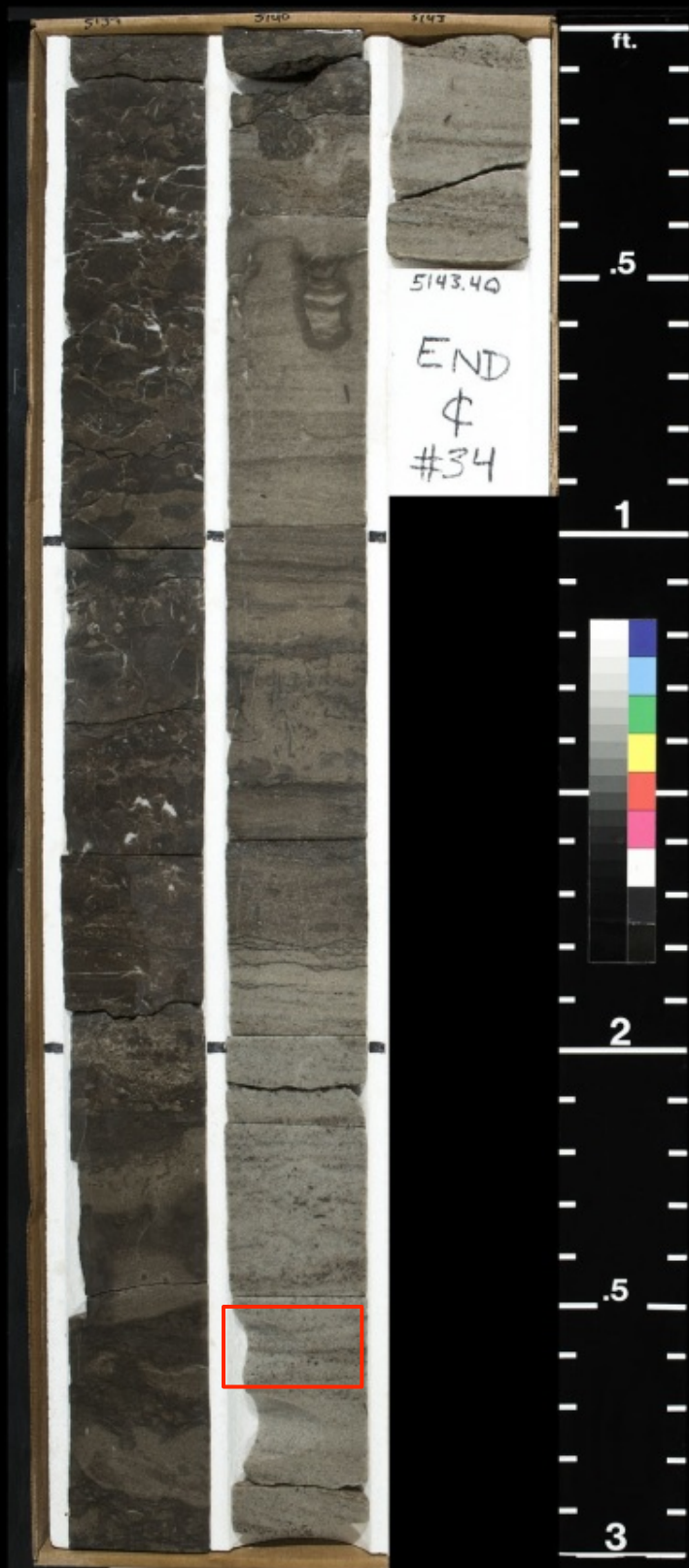


5137

5140

5143

CORE 34



5143

5146

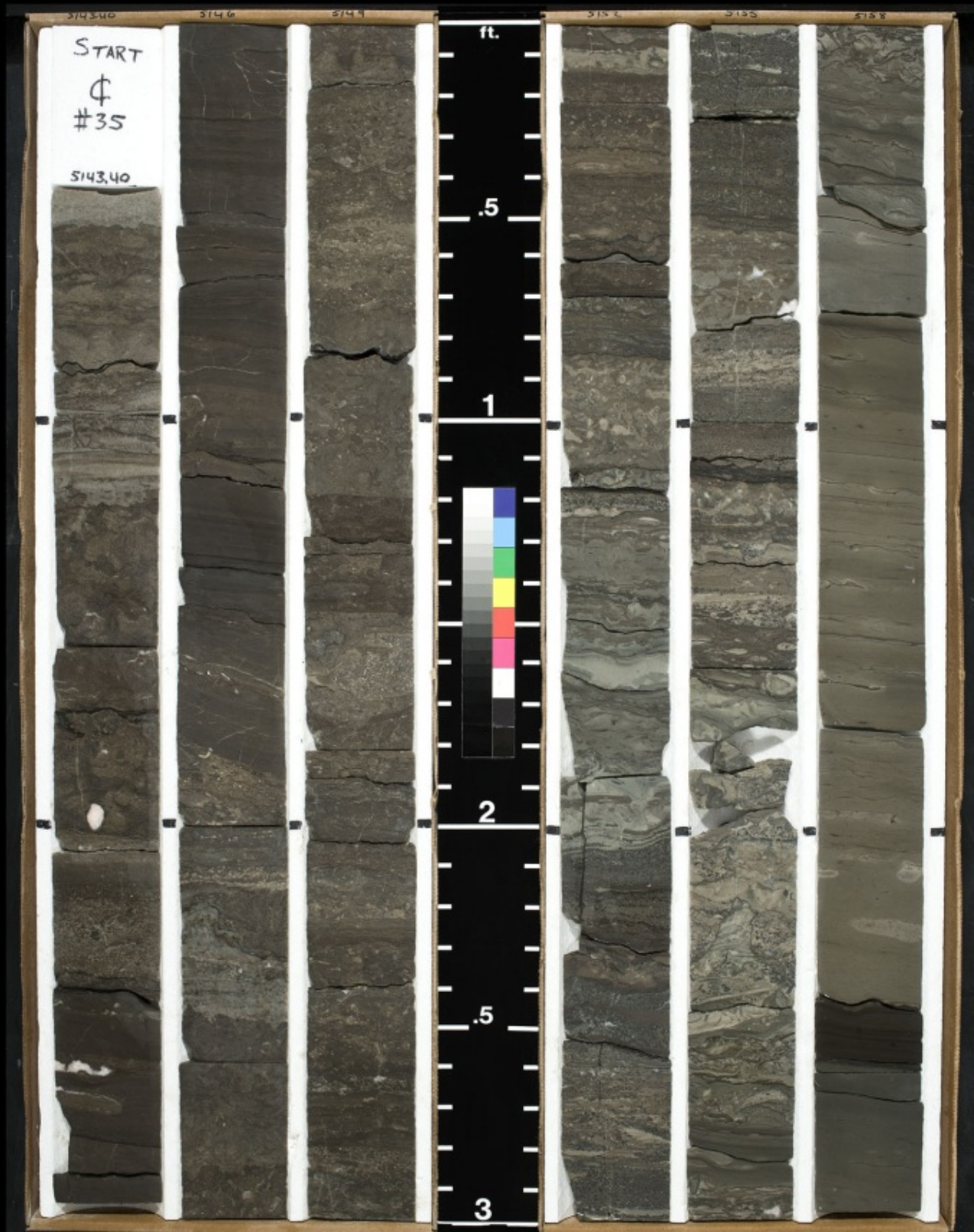
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CORE 35

5152

5155

5158



5161

5164

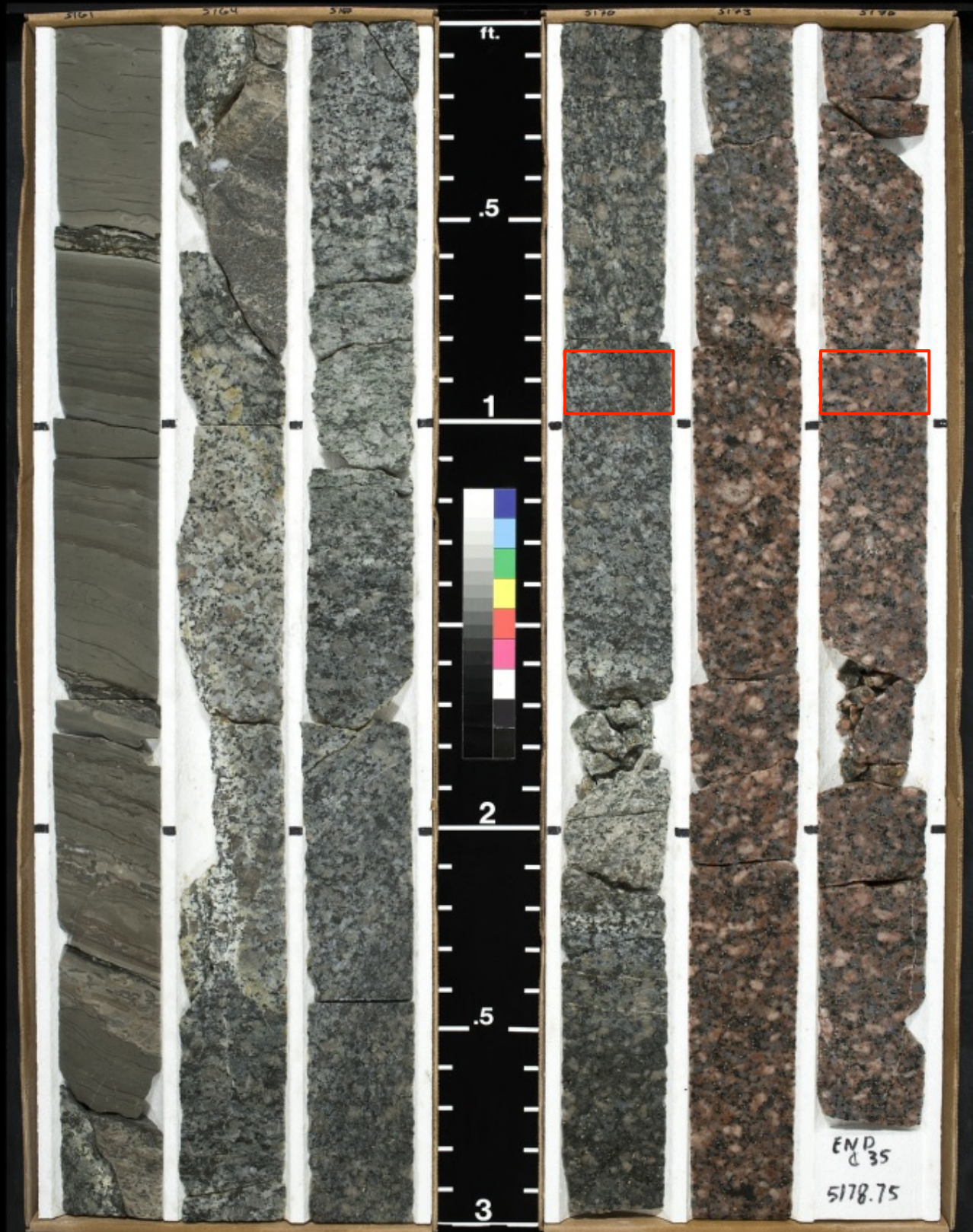
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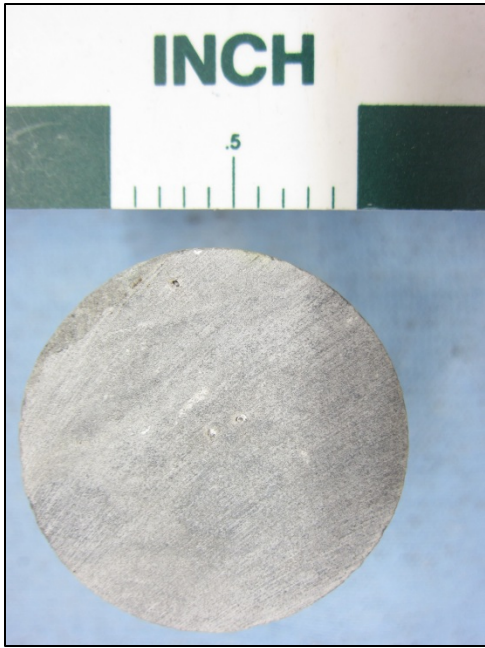
CORE 35

5170

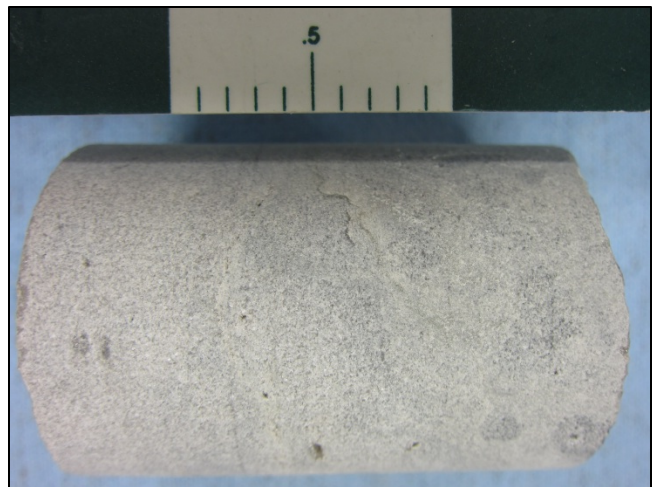
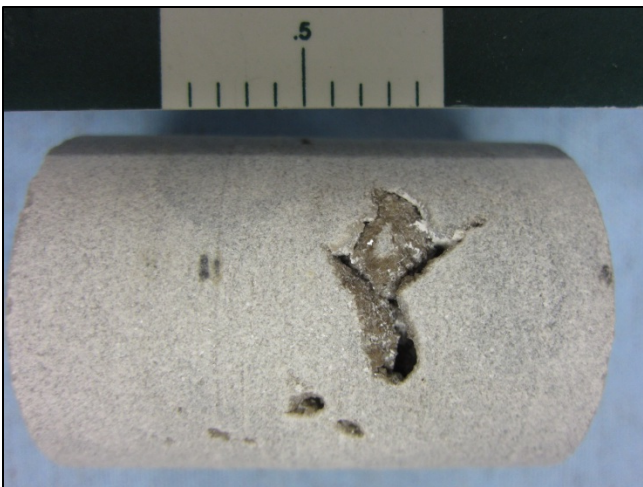
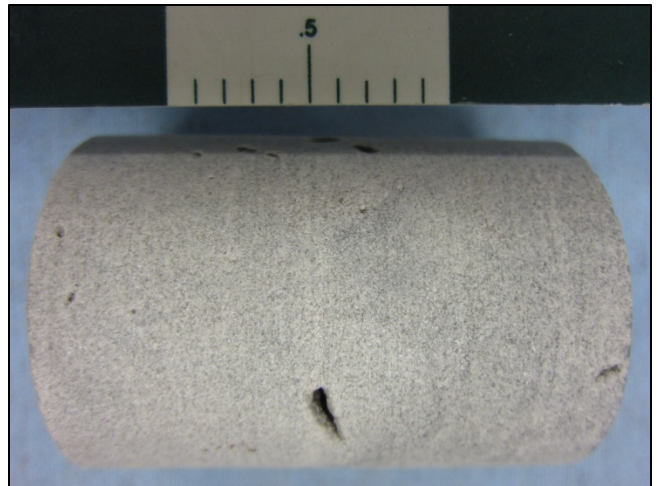
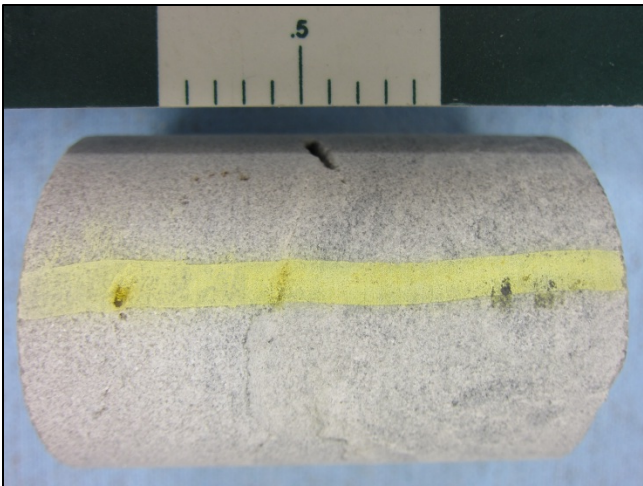
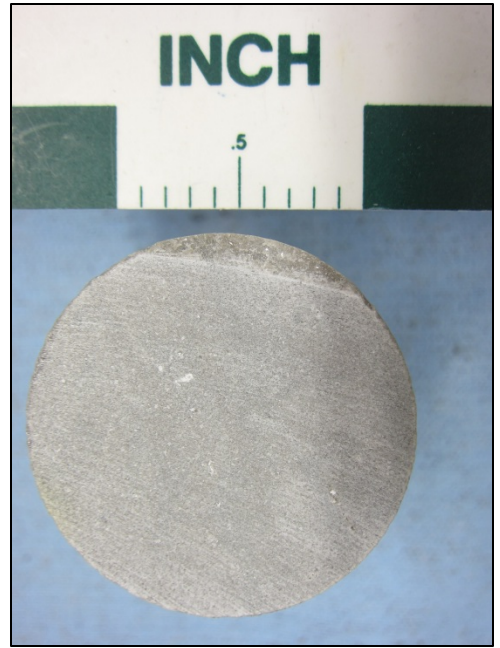
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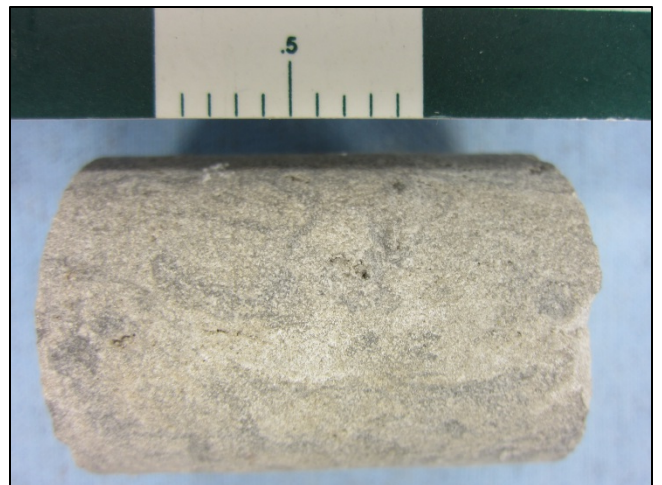
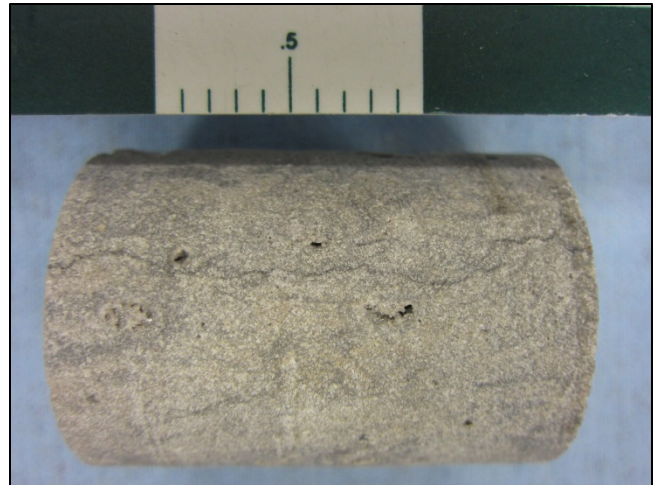
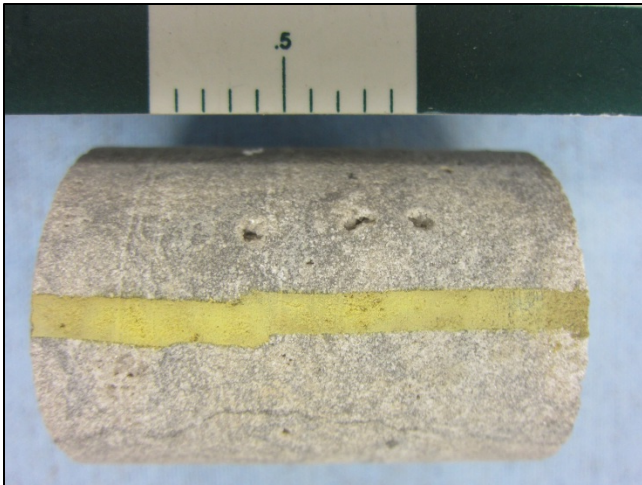
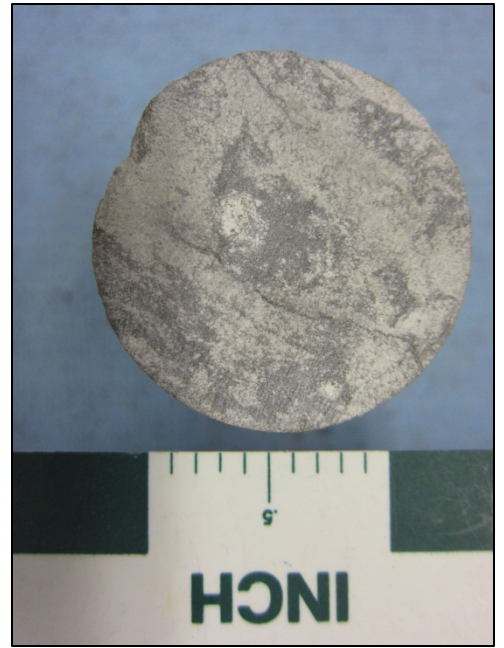
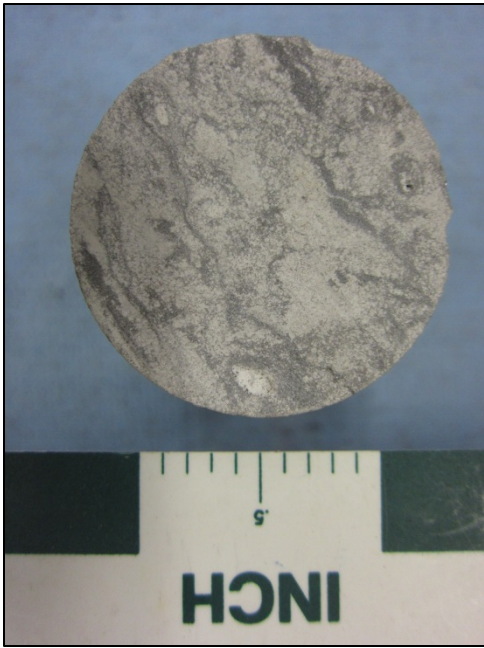




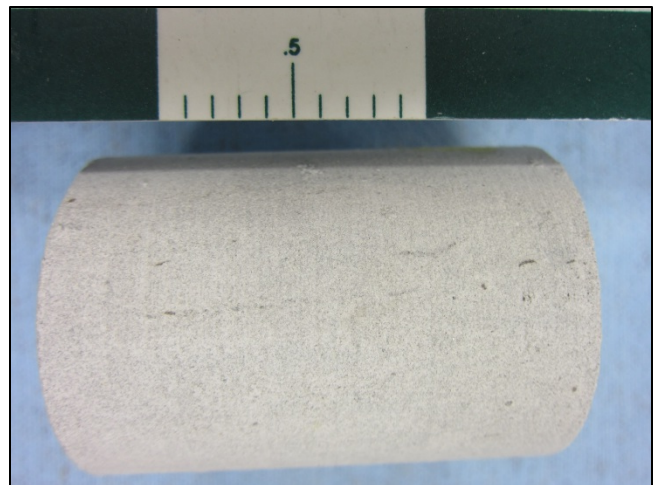
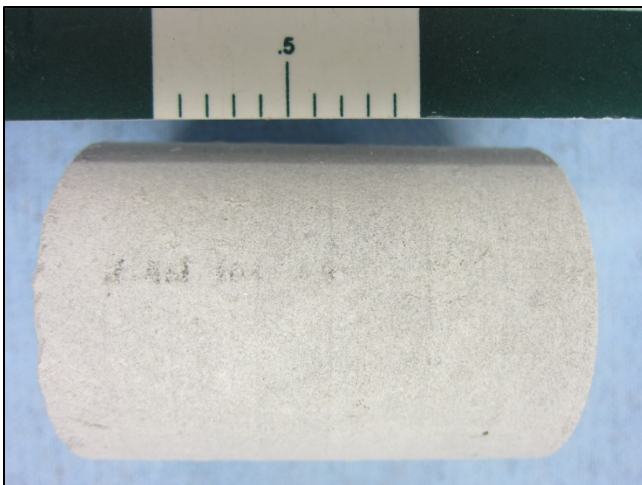
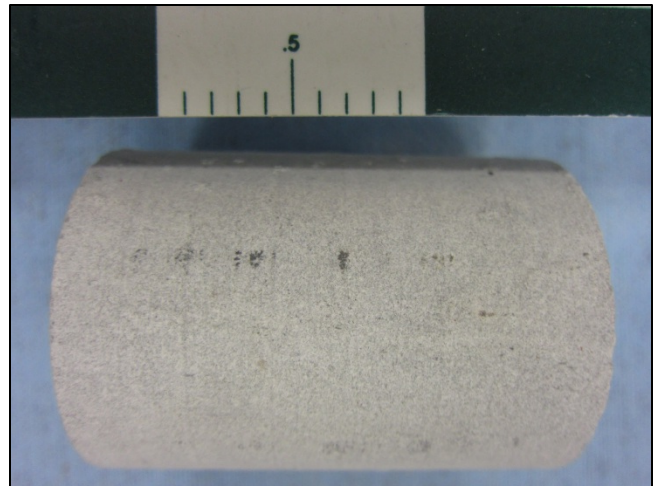
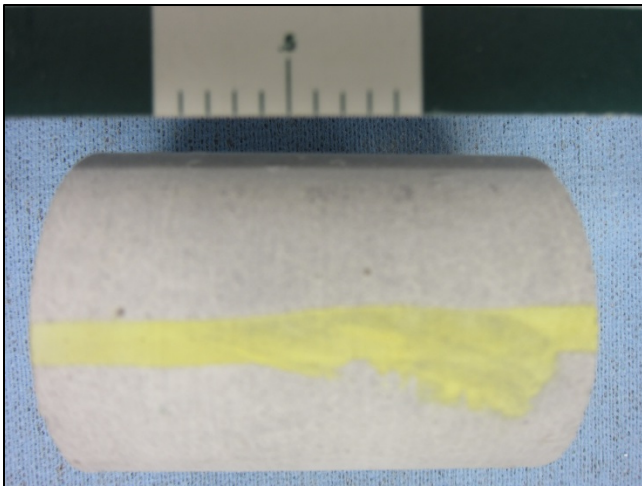
33-5
5054.6'



33-25
5074.1'

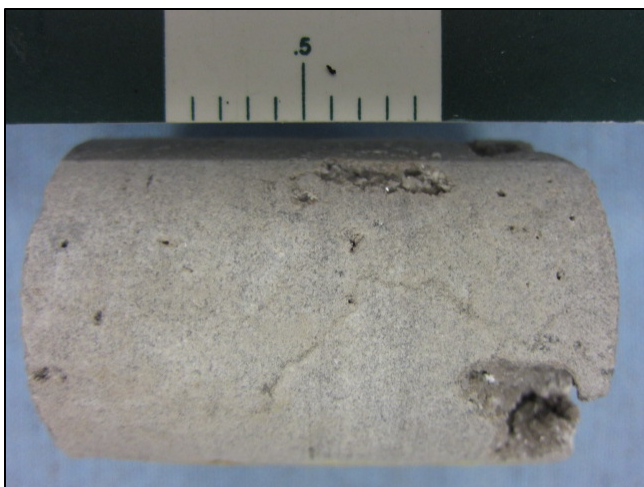
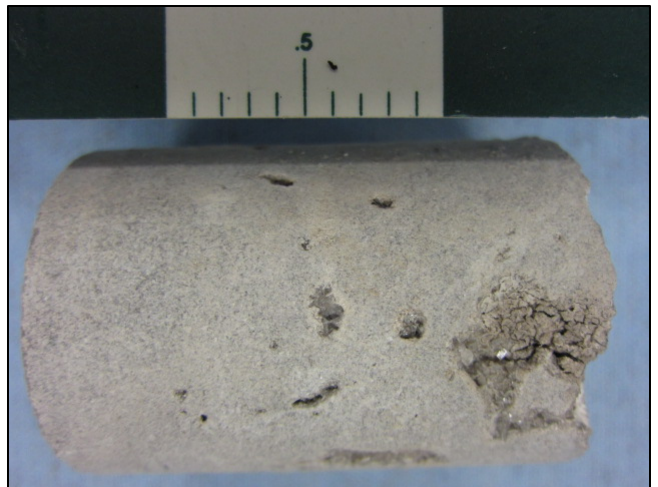
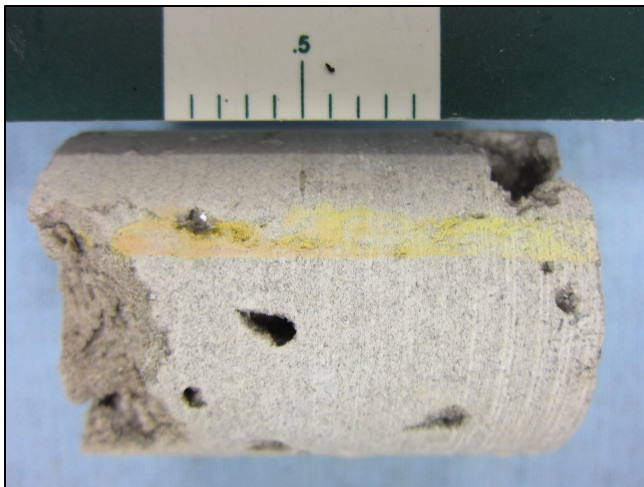
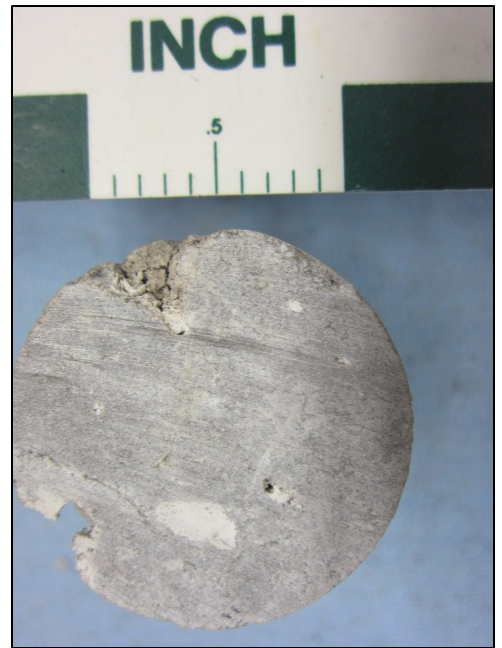


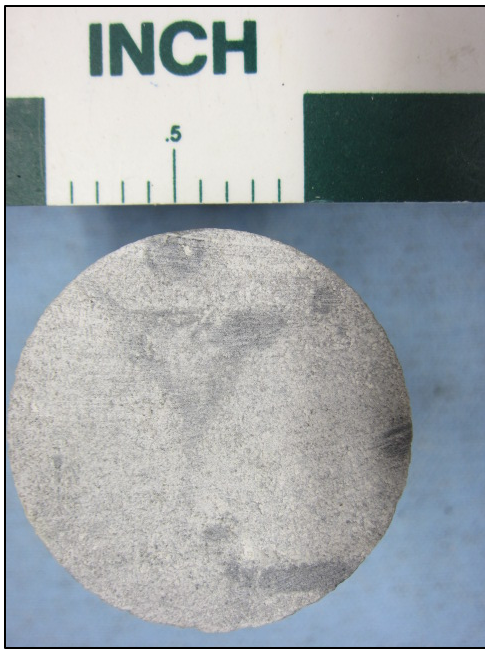
33-29
5078.1'



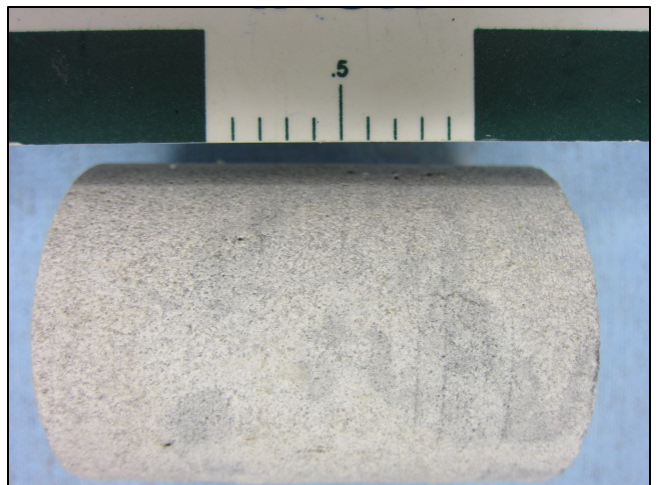
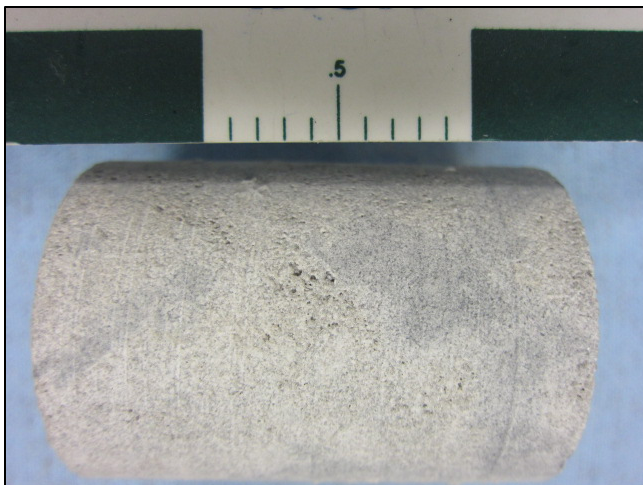
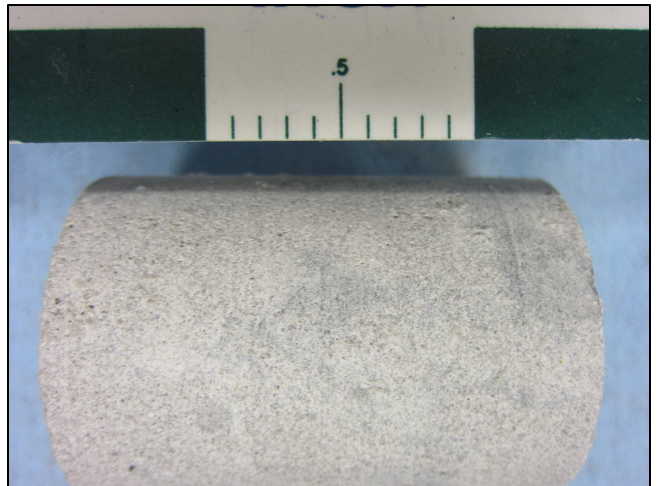
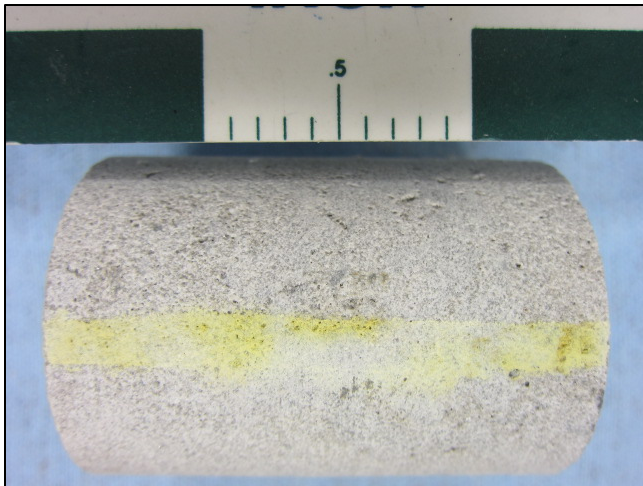
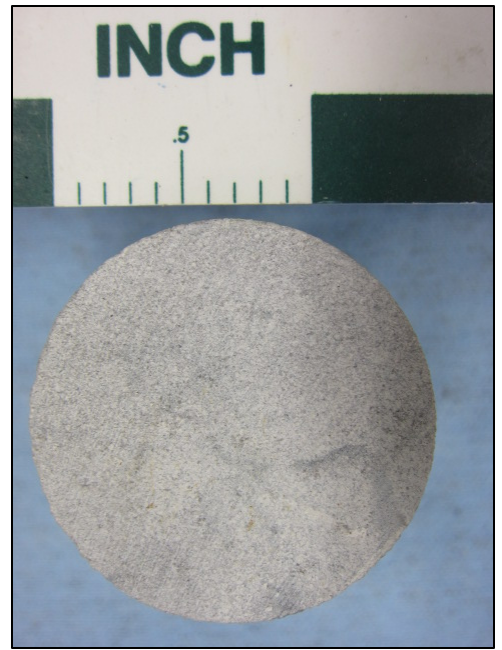


34-3
5085.8'

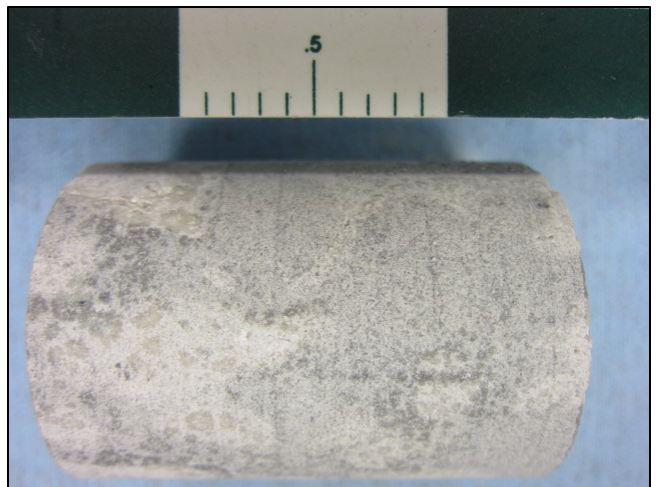
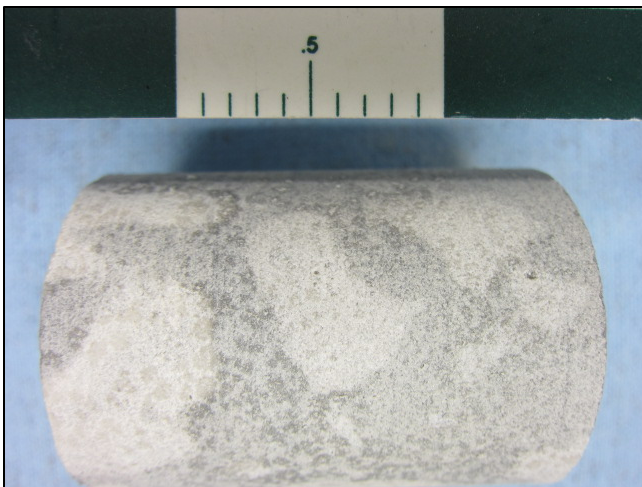
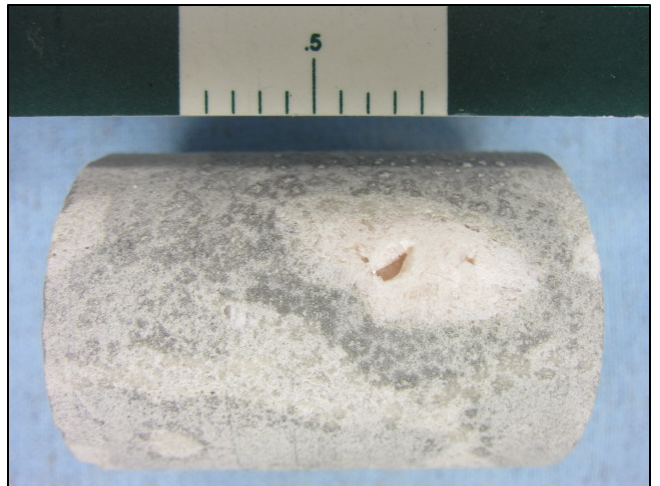
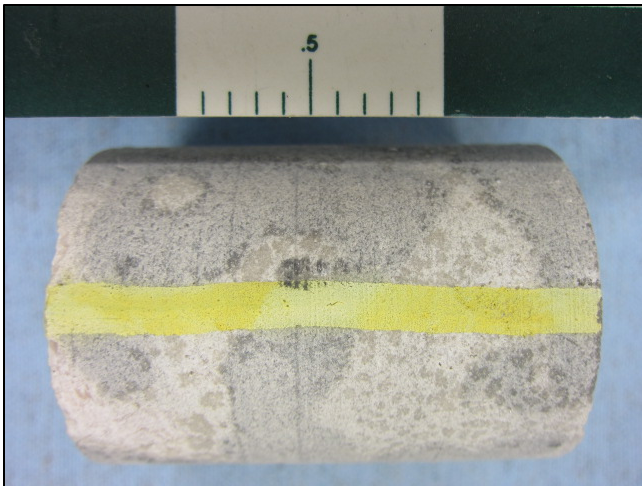




34-22
5104.9'

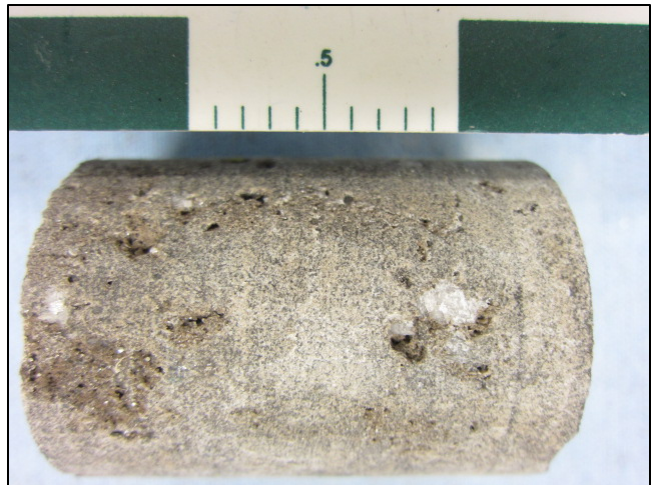
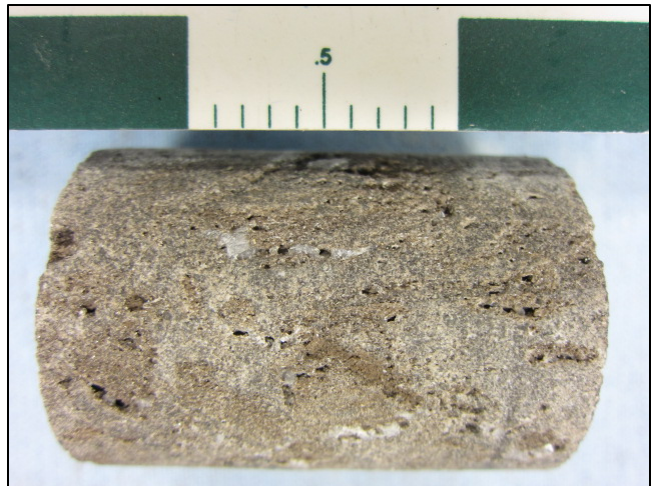
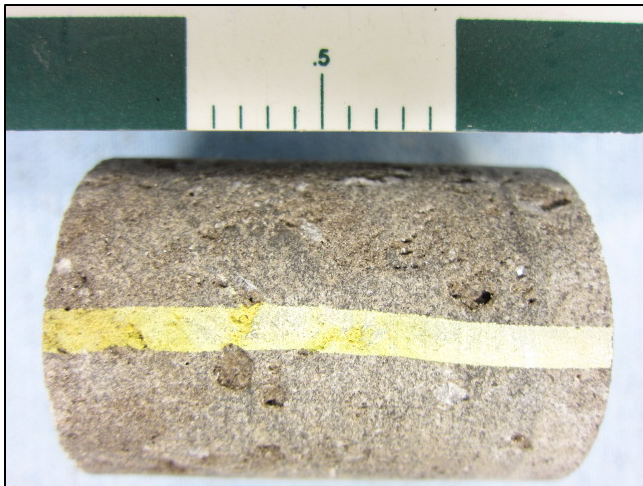


34-26
5108.1'

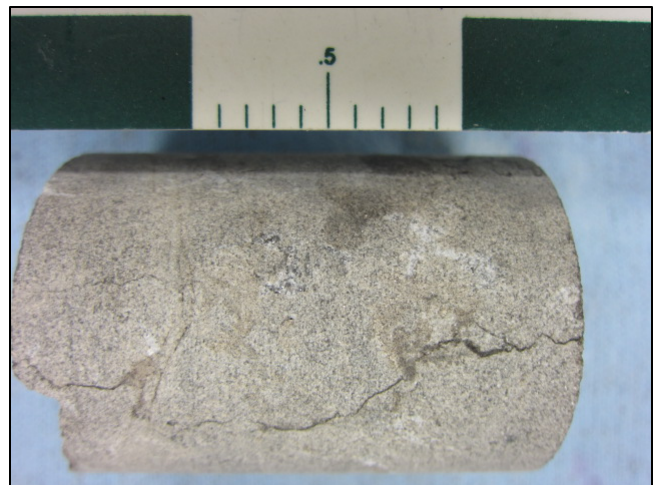
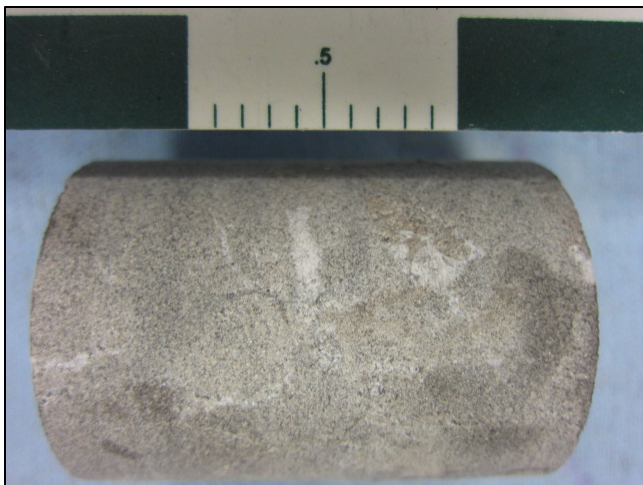
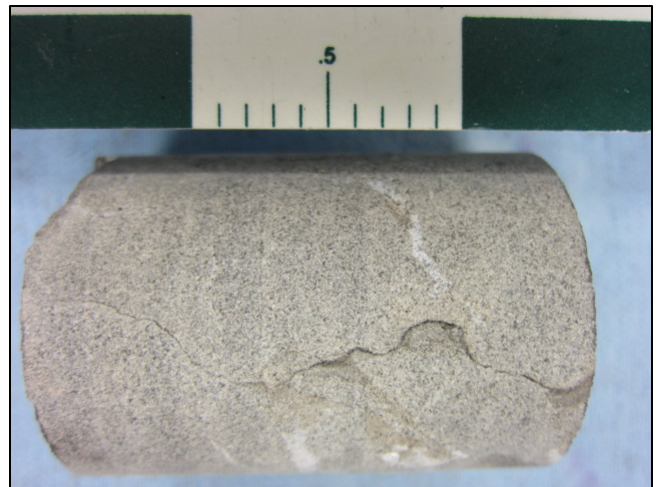
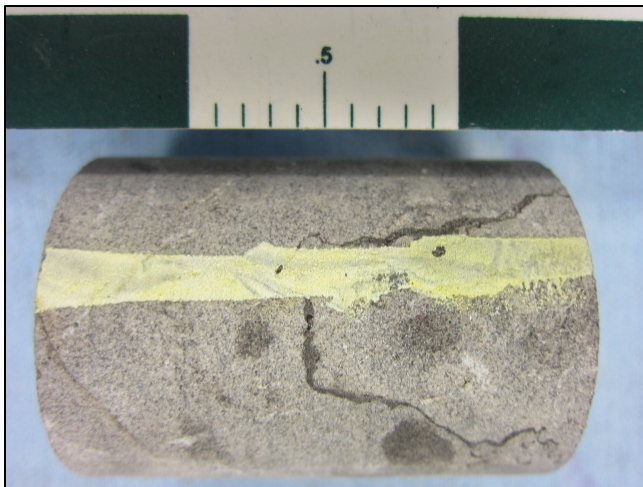
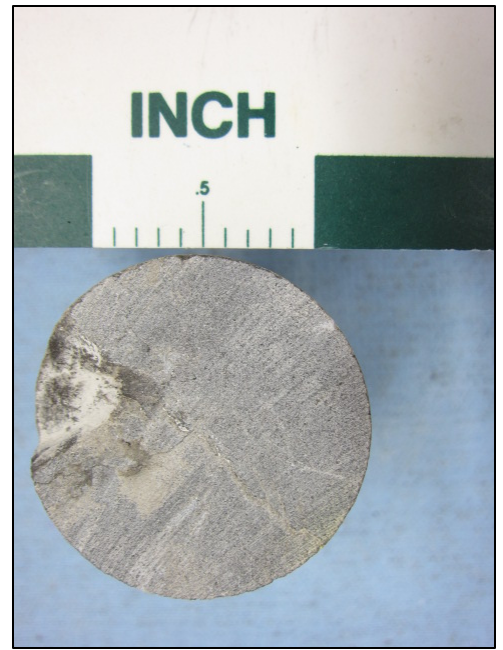




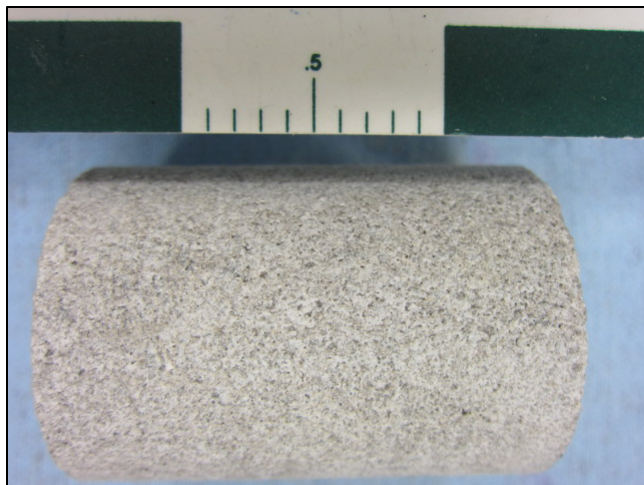
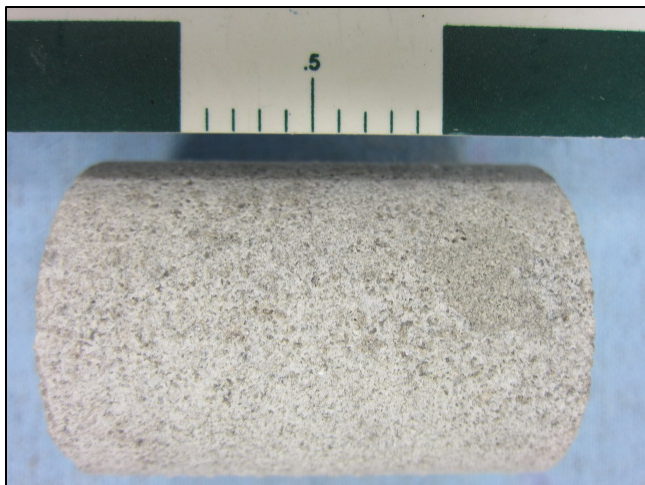
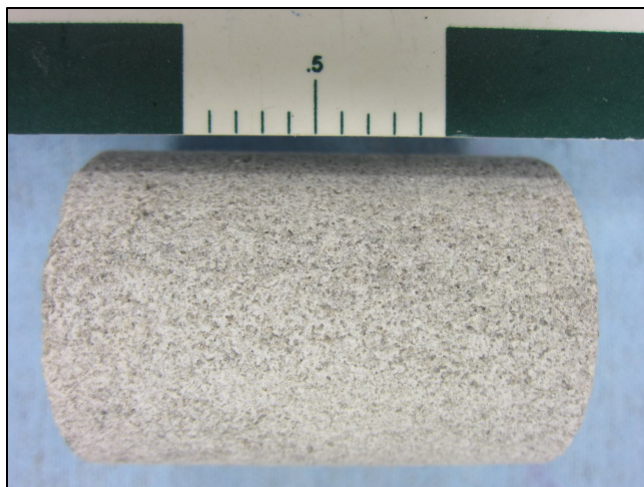
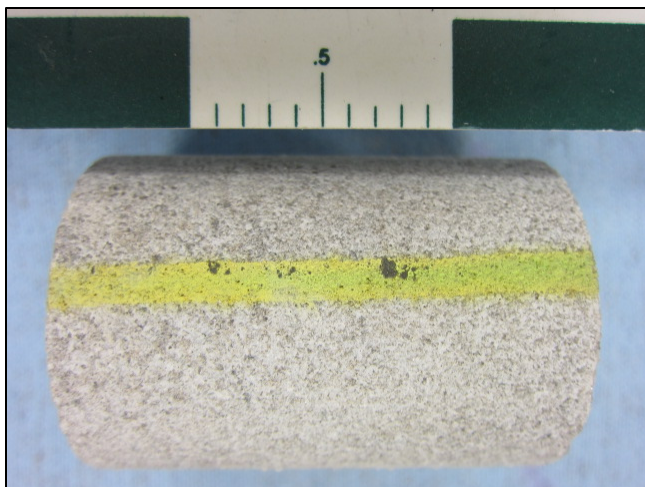
34-35
5117.0'



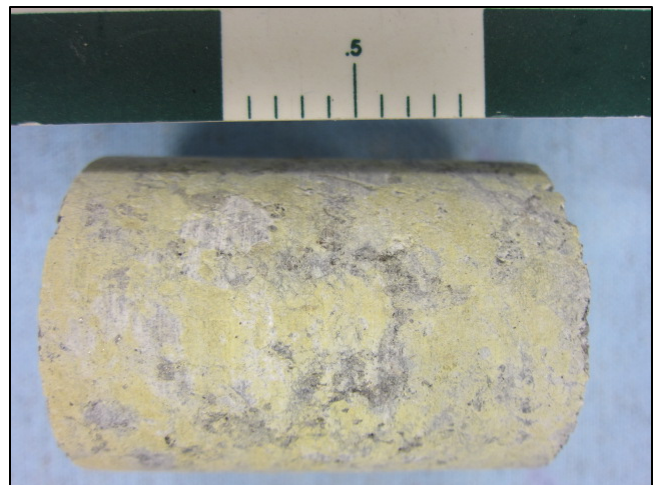
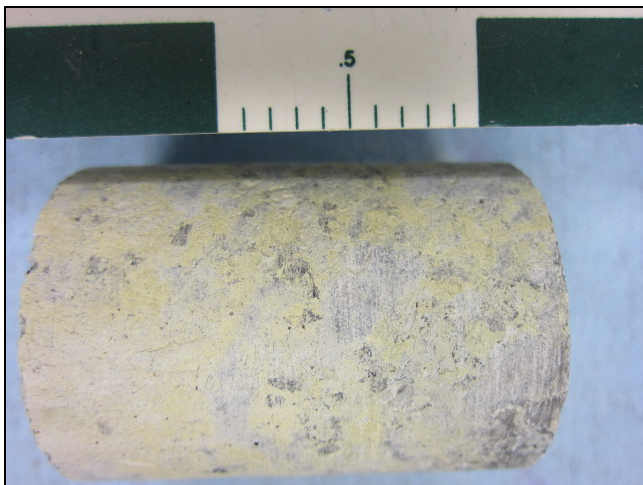
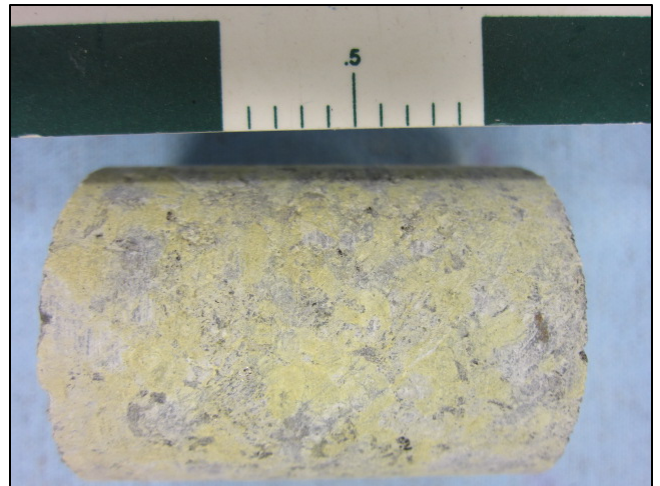
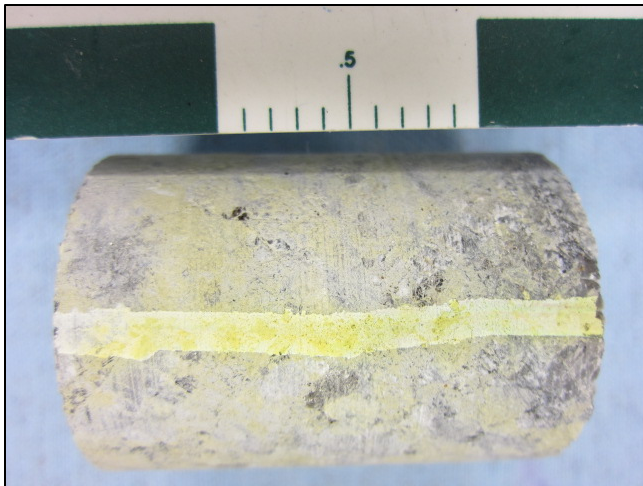
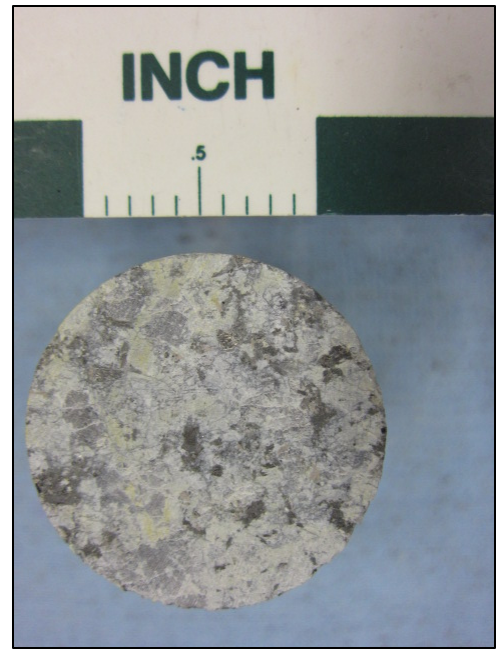
34-45
5127.0'



34-60
5142.65'



35-28
5170.9'



35-34
5176.9'

