



145.0  
145.0

140.6  
140.6

150.0  
150.0

155.0

ROCK-COLOR CHART

Labeling  
Bags: Same  
Boxes: Same  
Cores: Same  
Cores: Same





170.4'

170.0'  
170.0'

165.0  
165.0'

160.0  
160.0

155.0  
155.0

COMPANY 7107 PROPERTY \_\_\_\_\_  
NX-NQ HOLE NO. R-09-23 BOX NO. 30 f  
INTERVAL 155.0' TO 170.4'  
07-187900

R.Q.D. \_\_\_\_\_  
SAWED \_\_\_\_\_  
SAMPLED \_\_\_\_\_  
OTHER \_\_\_\_\_





COMPANY **F107** PROPERTY  
 RICHMOND HOLE No. **R-09-23B2** BOX No. **34f**  
 INTERVAL **155.0'** to **07-187900**

ROCK SAVED  
 SAMPLED  
 OTHER

**R-09-23B2**  
**170'0**  
**C54**  
**175'0**

**LeverLock**  
**25'**

**Lubri-Loc**  
**3.7M**

**175.0'**

**Labeling Samples and Core Boxes** Page 3

Box: Sample ID (R-09-23B2-S01), Depth, EA, Date, Logger  
 Box: Sample ID (R-09-23B2-C01), Depth, EA, Date, Logger  
 Core Box: Sample ID (R-09-23B2-C01), Depth, EA, Date, Logger  
 Core Box: Boring #, Depth, EA, Date, Logger, Box 1 of \_\_\_\_\_

**Example Soil Description:**

Group Name, Group Symbol, Consistency/Apparent Density, Color, Moisture, % cobbles or boulders, % silt, Particle Size Range, Angularity, Shape, Plasticity, Bedding (unconformity, stratified, etc.), Cementation, Description of Cobbles & Boulders, Additional Comments (alluvium, maric, etc.)

\*Silty sand with gravel (SM), medium dense, yellowish brown (10YR5.4), moist, 2% cobbles, 5% boulders, 30% silt, fine to coarse gravel (<2.5"), subrounded, elongate, nonplastic, cementation, weakly cemented, hard granitic & schist rock fragments Alluvium fill.

**Example Rock Description:**

[Rock Name, Rock Grain Size, (Formation Name), Bedding Spacing and Dip, Color, Fracture Weathering, Relative Strength of Intact Rock (lab test), Rock Hardness, Condition (Weathering, Splitting, Healing, Roughness), Slaking, Odor, Additional Comments]

\*Sedimentary Rock: Mudstone (Tongue Fm.), thinly bedded, beds dip 20 degrees, yellowish brown (10YR5.4), moderately weathered, (strength - lab testing), moderately closely spaced (0.1 to 0.3'), fractures dip 15 to 20 degrees and 75-85 degrees, (moderately open, partly healed (<50%) with silica and calcite, thinly lined with FeO, stepped to moderately rough, some smooth).

(Rock grain size: very coarse >9.5 mm, coarse 4.75 to 9.5 mm, medium 0.8 to 4.75 mm, fine 0.075 to 0.425 mm, siltstone <0.075 mm)

check  
 6/17/70  
 Sample  
 found  
 not  
 present  
 7.30 a.m.

**LIFETIME**



R-09-23B2  
175.0'  
C55  
180.0'

COMPANY: 7107 PROPERTY: 177-8 TO: 404  
ADDRESS: R-09-23B2 BOX NO. 404  
INTERVAL: 177-8 TO: 404  
LOG NO. 09-187400  
SAMPLED: \_\_\_\_\_  
OTHER: \_\_\_\_\_

Labeling Samples and Core Boxes  
Reg. Sample ID: (R-09-23B2-001) Depth, SA, Date, Logger  
Flow Sample ID: (R-09-23B2-001) Depth, SA, Date, Logger  
Core Box Sample ID: (R-09-23B2-001) Depth, SA, Date, Logger  
Core Box: (Depth, SA, Date, Logger, Box 1 of ...)

Example Soil Description:  
(Group Name, Group Symbol, Consistency (Apparent) Density, Color, Moisture, % cobbles or boulders, % sand, Particle Size Range, Angularity, Shape, Flattening, Rocking (Amount) (Some, moderate, none), Cementation, Description of Cables & Boulders, Additional Comments (alluvium, matrix, etc.))  
"Silty sand with gravel (SM), medium dense, yellowish brown (10YR5/4), moist, 2% cobbles, 2% boulders, 8% silt, fine to coarse gravel (<2.3"), subrounded, elongate, angular, cementation, weakly cemented, hard granite & schist rock fragments abundant"

Example Rock Description:  
(Rock Name, Rock Grain Size, (Formation Name), Bedding Spacing and Dip, Color, Fracture, Weathering, Relative Strength of Intact Rock (lab test), Rock Hardness, Fracture Density and Dip, Fracture Spacing, Discontinuity Types, Discontinuity Condition, Weathering, Settling, Healing, Roughness), Staking, Color, Additional Comments)  
"Sedimentary Rock - Mudstone (Type III), thinly bedded, both dip 20 degrees, yellowish brown (10YR5/4), moderately weathered, (strength - lab testing) moderately hard, intensely fractured (SI to 0.7), fractures dip 15 to 20 degrees and 75-85 degrees, closely spaced (SI to 0.7) fractures continuous to discontinuous, moderately thin (1-2 mm), moderately open, partly healed (SM) with silica and calcite, thinly lined with FeO, stepped to moderately rough, some smooth  
break, med strong, strong, very strong - qualitative strength)

(Rock grain size: very coarse >6.5 mm, coarse 4.75 to 6.5 mm, medium 2.0 to 4.75 mm, fine 0.6 to 2.0 mm, siltstone <0.075)











193.5

183.4

185.0

195

COMPANY 710 T PROPERTY \_\_\_\_\_  
 NX-NQ HOLE NO R-09-Z332 BOX NO. 5 of  
 INTERVAL 183.4' TO \_\_\_\_\_

R.Q.D. 07-178900  
 SAWED \_\_\_\_\_  
 SAMPLED \_\_\_\_\_  
 OTHER \_\_\_\_\_

J. Pratt



195.0  
195.0

2050'

201.0

210.0

Geological Society of America  
ROCK-COLOR  
CHART

with genuine Munsell® color chips



210.017  
1-17-19





220.0

219.5

215.0  
215.0

210.0  
210.0

J.P.

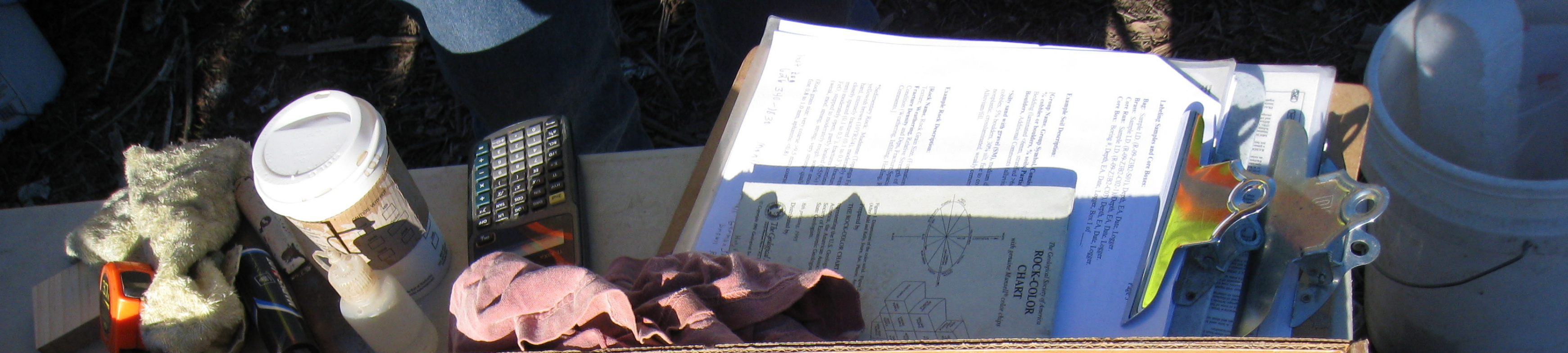
1-17-09

COMPANY R-09-23B2 PROPERTY 710T  
NX-NQ HOLE NO 1 BOX NO. 70f  
INTERVAL 210.0 TO 220.0

07-187900

R.Q.D. \_\_\_\_\_  
SAWED \_\_\_\_\_  
SAMPLED \_\_\_\_\_  
OTHER \_\_\_\_\_





2300

Depth: 227.8-228.4

227.0

225.5

221.0

220



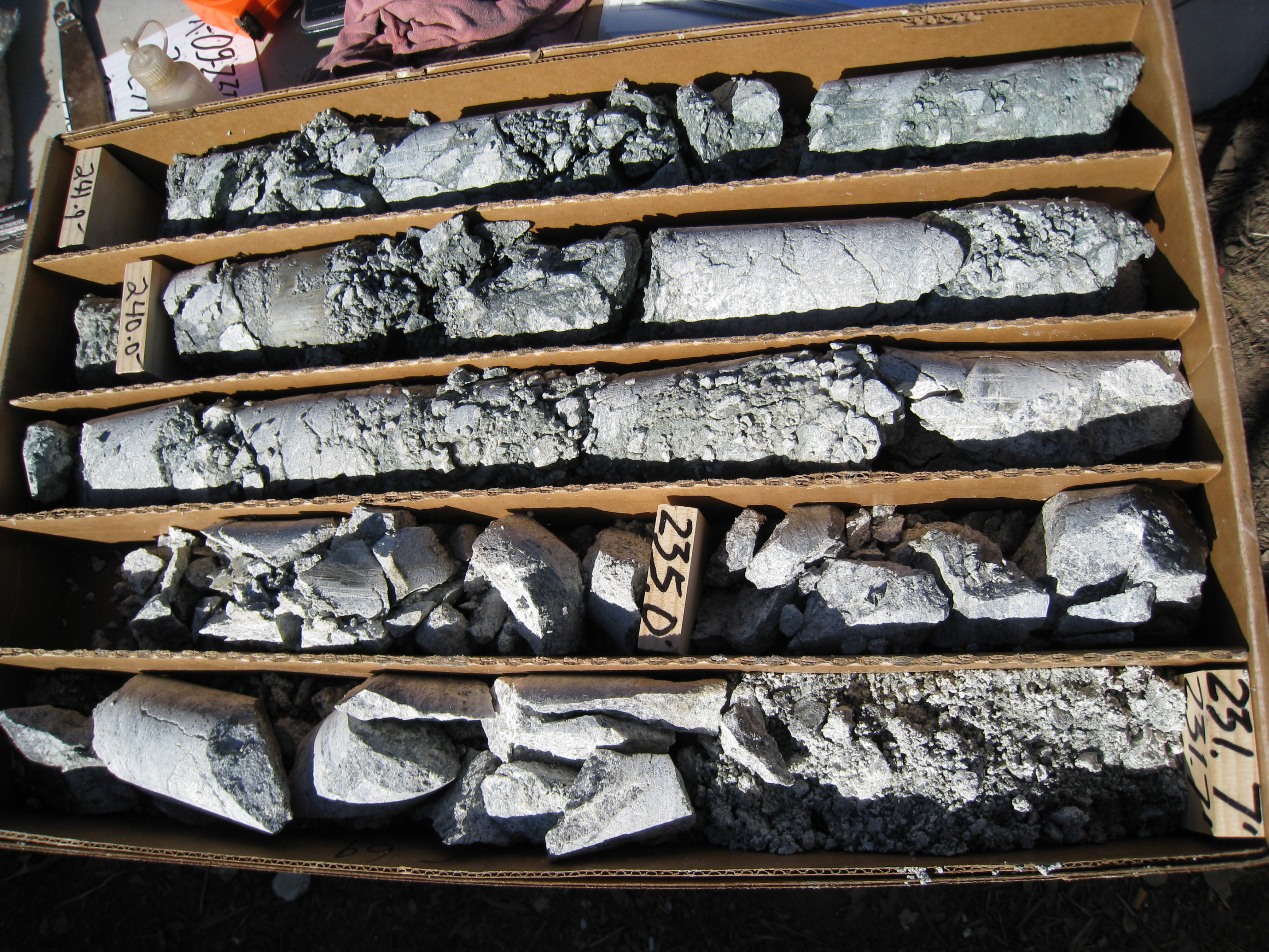
11-09-77  
211

241.9

240.0

235.D

231.7  
231.7







0097382

253.0'

251.0'

250.0'

249.0'  
0.642

246.8'  
246.8'

243.0'

241.9'





265.0'



DEPTH: 261.0 - 265.0  
07-187902

260.0'



255.0'



253.0'  
253.0'





275.0'

273.0'

269.0'

265.0'

C87

99

