J.L.F.

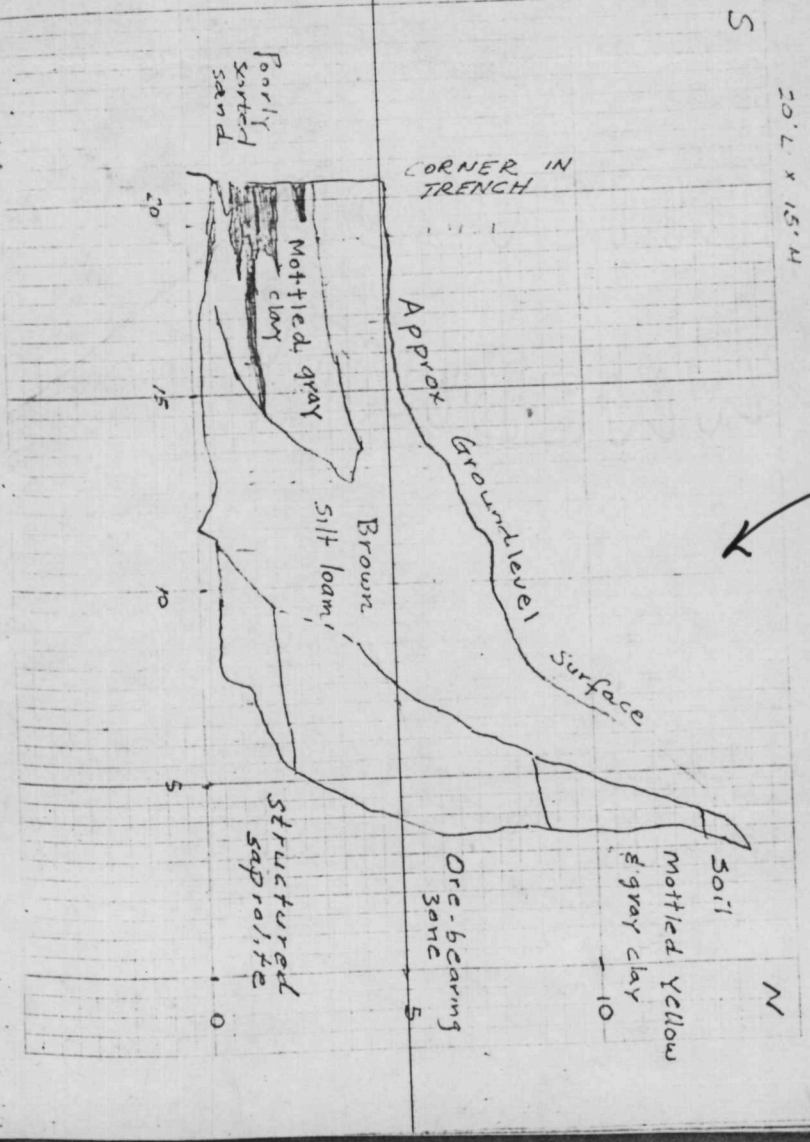
FIELD NOTES

CHECK 12

Feature 1. Trench 3 (Entry)

Check 12 Feature 1

North-south trench near entry



west wall Trench 3 Check 12

1. "Topsoil" — 6"-15" thk

2. Y. brn, brn, & gy mottled clay; gy clay occurs more or less discrete ovoid lenses or irregular bands, generally lmd
Dk. y. or (10YR 6/6) to mod brn (5YR 4/4), locally p. ol (10Y 5/2) V. lt. gy (N8) - md. gy (N5) lmd.

Upper half unit mainly dk. y. or; mod. gradation etc

Gy lenses orient. 080/90 35°
335/90 5°

Y. or clay zone 4½' thk no. end trench 3

3. Mottled md dk gy (N4), bk. red (5R 2/2), lt. ol. brn. (5Y 5/6) & dk y. or (10YR 6/6) clay. - dk red zones contain disseminated to nodular iron ore

Thk: 6'4"

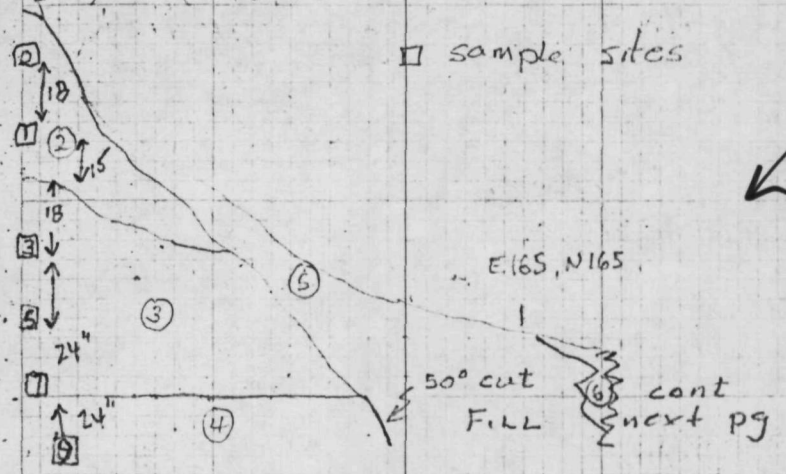
4 Bedded saprolite; altg dk gy (N3), lt ol gy (5Y 5/2), & mod. y. or. (10YR 7/6) banded clay; bnds 1/4 - 1" thk, pl.

AUG 20, 1979

Check 12 Feature 1A

Trench 3:

East wall



East wall trench

Iron zones irr bds 2½" thk max particularly lower 2½-3' of interval.

③ Stratigraphic units

5 sample sites & mos.

subhoriz – abruptly trunc. south end by unit 5

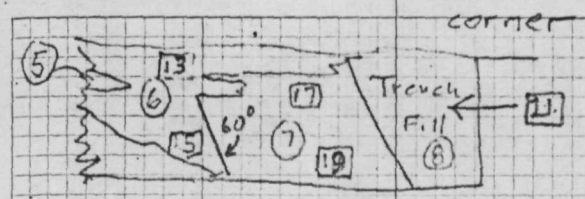
(5) Mottled to mixed yell. gy (5Y7/2), dk y. brn (10YR 4/2) & lt. ol. gy (5Y6/1) silty clay w/ ang. chips & frags, wthd. ol. grn bnd. phyl. – mixed zone – fill
Thk 0-4'; overlies & truncates units 2, 3, 4

South end interfingers w/ poorly banded ol. gy clay, lies both above & below clay.

(6) Clay lens ca 6' long, up to 10-12 thk, Md dk gy (N4) & y. gy (5Y7/2) to dusky y. (5Y6/4) bnd clay; bnds. undulating to pl., 1/4-1" thk

Truncated by, but partially overlies sand (fill) unit

At base 12-15" lenses dusky y (5Y6/4) poorly bnd w/ lt. ol. gy (5Y5/2) clay



(7) Poorly sorted sand; truncates main body of clay on south; truncated itself by trench fill (8) to depth 4+ ft. contains well-rnd. sm. flat pebbles & lg. ang. frags 1/4-1" max diam. Md. ol gy (5Y4/2) to dk. y. or (10YR6/6); 4-6" int. md. dk gy. (N4) sandy clay. [19] sample

(8) Mixed clay - sand trench fill thk 5'-6 1/2' ~~thk~~; bottoms in sandy zone

FIELD NOTES
J.L.F.
Check 12
Feature 2
Ore Mine

I Topsoil - ca 0.5' thk; sm. chips & frags charcoal abndt.; rich blk color

II Loam - dusky y. brn. (10YR 2/2) moist; dk to v.dk y. brn (10 YR 4/2 - 3/2) dry loam w/ ang. granules & v.c. sand

III Y. brn clay - saprolite; fr. Harpers phyl. gy. or (10YR 7/4) - dk y. or (10YR 6/6) uppermost 1"-2", gy red (10R 4/2); grades below into lt. brn (5YR 5/6)

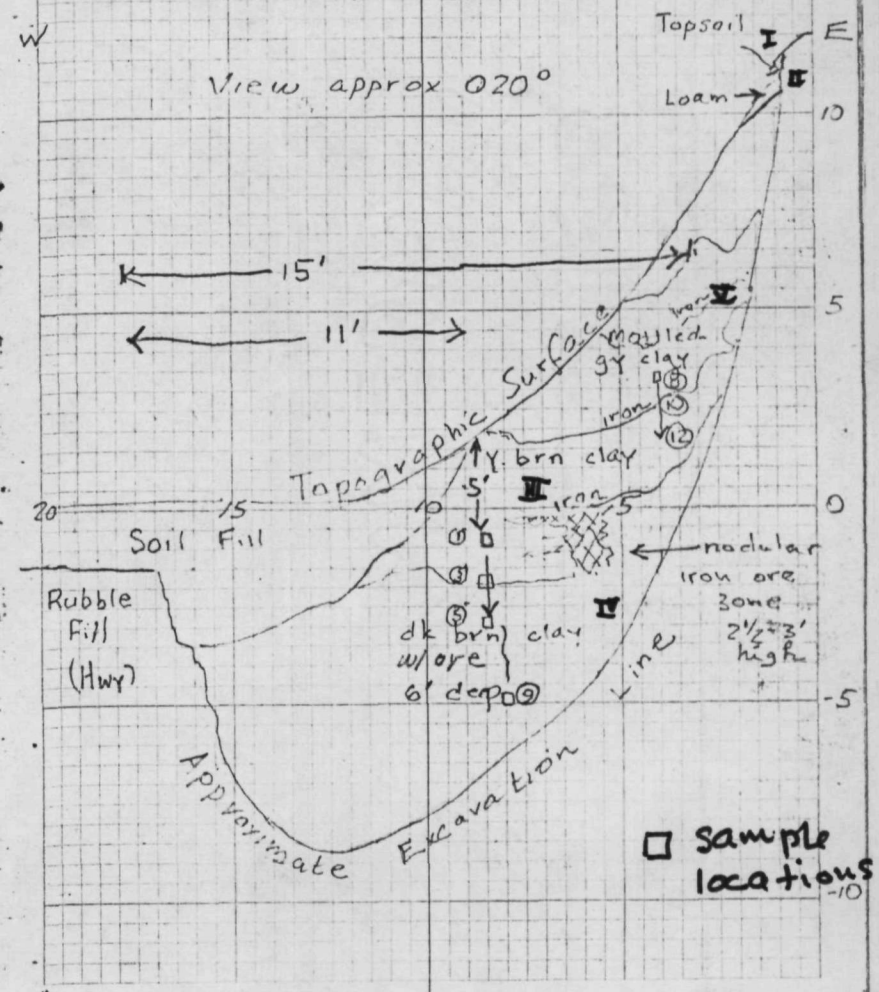
IV dk brn clay - mottled dk yell. or (10YR 6/6), and gy brn (5YR 3/2) & dusky brn (5YR 2/2) w/ nod, concretionary, and irs vuggy iron ore; some ang. milky qtz frags mainly conc. top of ore zone

lowest part; less ore, lt. brn (5YR 5/6) to mod. brn. (5YR 4/4) abndt. phyllite chip lower part

AUG 17, 1979

CHECK 12 FEATURE 2

Trench 1 Location: East wall supposed iron mine; northeast jtc Catoctin Hollow Road and U.S. Route 15



Samples	Type	Loc
12-2-T1 (1)	yellow clay	depth 45"; 12" above dk brn clay & ore zone
5' vert below land surf		
(3)	iron zone	
(5)	brn clay 15-16" below iron zone & ctc. yellow clay	
7½' below land surf. (8)	mottled gray clay ca 15" above iron	
(10)	iron zone	
(12)	yellow clay ca 15" below iron zone	

* Gy clay - mottled to streaked lt. ol. gy (5Y5/2), md lt gy (N) to md. dk gy (N), & gy orange (10YR7/4)

num. sm. plates, chips dk gy phyllitic rx. (ls?)

Trench 2

Check 12

Feature 2

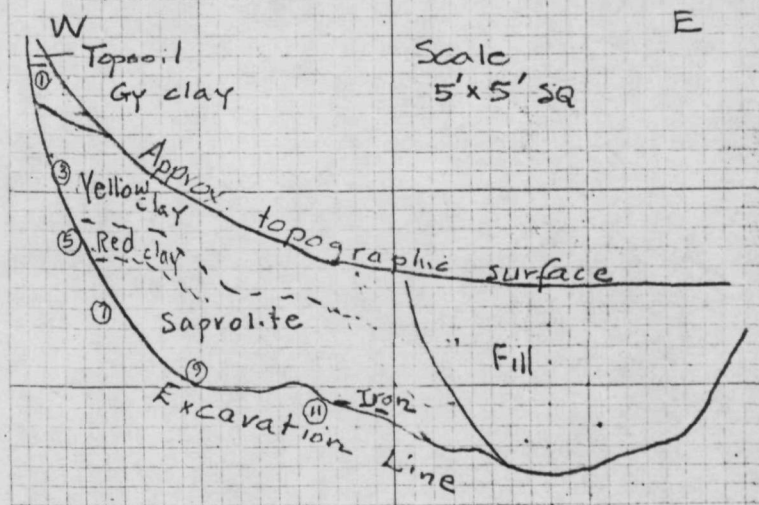
10" topsoil

+16" mottled gy clay - sharp ctc w/ y. brn. sandy loam, sample 24" DLS

+28 grad ctc w/ mottled red brn "clay" sample +24

red clay sample +16

Substrate (saprolite structured) sample +24

saprolite sample +24

iron zone - weak development sample +33