64-10
Plate IV

COLUMNAR SECTION A

Arcturus Formation
Radar Ridge
Sec 4 & 5, T 17N, R 61E
White Pine Co., Nevada
July, 1962
P. J. Borosh
1 inch = 20 feet

Pk
Pa
3,224'

?Anodictya?
?...ryia sp.
productoid brachiopod, large
...sella sp.
crinoid columnal, large

?Anodictya?
...iferellina sp.
Composita cf. C. subtilita (Hall)
productoid brachiopod
...sella sp.

ramose bryozoan
crinoid columnal, small

neoproductoid brachiopod
scaphopod, tiny
Euphemitopsis multinodosus Yochelson
Bellerophon (Bellerophon) sp.
Straparolius (Euomphalus) n. sp.
Taosia sp.
Meekospira sp.
Nucula sp.
Polidevcia sp.
?Schizodus sp.
pectenoid
mytiloid
?parallelodontid pelecypod
crinoid columnals, small

Omphalotrochus?
? Nucula sp.
pelecypods indet., small

turbinate gastropod, small
pelecypods, indet., small

scaphopod
pelecypod, indet. probably includes
?Nucula and Polidevcia

A307 2.5' ls, bioclas, yell gry (5 Y 7/2) wthrs sl ltr + gryr, crs-gr, thn bd, few cht lens (1" wide) yell gry (5 Y 7/2) + vy lt gry (N8) wthrs same
A306 13.5' ls, vy lt gry bn (10 YR 7/2) wthrs lt gry (N7) to lt gry bn (10 YR 6/2), fn to med-gr, massive
A305 7' cov, float from above
A304 4.5' ls, salmon (5 YR 7/4) to buff (10 YR 7/4) wthrs about same, grades to vy lt gryish bn (5 YR 7/2) wthrs lt gry (N7), fn to vy fn-gr at top, thn bd
A303 5.5' ls, vy lt gry bn (10 YR 7/2) wthrs lt gry (N7) to lt gry bn (10 YR 6/2), fn-gr, bds 1'-1.5', minor cht lens at base, yell gry (5 Y 7/2) to vy lt gry (N8) wthrs same
A302 40'± siltst, calc, bn red (10 R 5/6) with vy minor irreg wht bnds + patches (1"-2" wide) wthrs same, crs-gr, some ls in lower pt yell gry (5 Y 7/2) to grnish gry (10 Y 6/2) wthrs sl yellr, med-gr, sl vuggy, sl silty, unit prob contains some gyp, not expos on sectn line + prob not present, but expos nearby
A301 10'+ ls, vy lt gry bn (10 YR 7/2) wthrs sl ltr with some org (10 YR 6/6) staining on fractures, fn-gr, mainly platy some thn bd, at 6' bd (4" thick) olive gry (5 Y 6/2) wthrs yell gry (5 Y 7/2) med-gr with mod strong petro odor, upper pt chty with lt to dk bn wthrg bnds (1/2"-2" wide) separated by ls layers (2"-5")
A300 9' cov, float like below
A299 8.5' ls, lt gry bn (10 YR 6/2) wthrs ltr (5 Y 6/2) to pale buff (sl ltr than 10 YR 8/6), thn bd, some platy, faint lamin in many bds
A298 1.5' siltst, calc, buff (10 YR 7/4) wthrs org buff (10 YR 7/6) with few streaks of org (10 YR 6/6), crs-gr, almost fn-gr ss
A297 4.5' ls, med gry bn (10 YR 5/2) wthrs lt bn gry (10 YR 6/2 to 5 YR 6/1), med-gr, thn bd to platy, platy ls wthrs sl ltr, prob sl dolmtic
A296 8' cov, float like above
A295 .5' ls, lt gry bn (10 YR 6/2) wthrs ltr (5 Y 6/2) to pale org buff (sl ltr than 10 YR 8/6) platy
A294 6' cov, ls float vy lt red bn (10 YR 6/4) to lt yell bn (10 YR 6/4) wthrs sl ltr, fn-gr, shaly
A293 10' ls, pale buff (10 YR 8/4) wthrs buff (10 YR 7/4) some with org pink (10 R 7/4) patches, at top vy lt gry (N8) wthrs same, fn to med-gr, platy to shaly
A292 8' ls, lt gry bn (10 YR 6/2) wthrs gry buff (betwn 10 YR 6/2 + 7/4), med-gr thn bd, minor platy ls near base, base lamin + wthrg to lt olive gry (5 Y 6/2) in pt
A291 11' cov, yell soil zone, apparently siltst
A290 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr, expos in hole
A289 22.5' cov, 0'-9.5' ls float pale buff (10 YR 8/4) wthrs buff (10 YR 7/4) with some org pink (10 R 7/4) patches, platy to shaly + some like F-288; 9.5'-22.5' yell soil zone apparently siltst
A288 2.5' ls, lt gry bn (10 YR 6/2) wthrs sl ltr (5 Y 6/2) to pale org buff (sl ltr than 10 YR 8/6), fn-gr, thn bd, lamin
A287 11' cov, ls float like below, prob in place
A286 35' ls, yell gry (betwn 5 Y 7-6/2) wthrs ltr (5 Y 7/2), with some lt bn red (near 10 R 6/4) patches on wthr surface, fn-gr, thn bd to platy
A285 65' cov, ls float, pale buff (10 YR 8/4) becomes ltr downward, about 1/2 wthrs buff (10 YR 7/4) + 1/2 org pink (10 R 7/4), fn-med-gr, platy + shaly chips; at about 15'-40' (across gully to N) pale red soil zone underlain by calc siltst wthrg med bn red (near 10 R 5/6) with some narrow irreg wht bnds + mottlings, minor amt wthrs pale yell to apple grn, in upper pt of soil zone some ls float yell gry (5 Y 7/2) to grnish gry (10 Y 6/2) wthrs sl yellr (betwn 5 Y 7/2 + 10 YR 7/4), med-gr, sl vuggy, sl silty, bds at least 4"
A284 11' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to lt olive gry (5 Y 6/1), fn-gr, thn bd, thicker bds along strike to N

3,019'

?Meekospira
?parallelodontid pelecypod

Reticulatia sp.
Plagioglypta sp., large
scaphopod, small
Euphemitopsis multinodosus Yochelson
Bellerophon (Bellerophon) parvicristus Yochelson
Straparollus (Euomphalus) n. sp.
Naticopsis sp.
Taosia sp.
Meekospira sp.
?Nucula spp.
Schizodus sp.
Metacoceras sp.

Bellerophon sp.
"Taosia" sp., large
?Meekospira sp.
?Nucula sp.
Polidevcia sp.
pelecypods indet.
Metacoceras sp.

high-spired gastropods, indet.

Bellerophon (?Pharkidonotus) sp.
Straparollus (Euomphalus) sp.
?Omphalotrochus sp.
Naticopsis (Jedria) sp.
"Taosia" sp., large
?Meekospira sp.
pelecypod and ?pelecypod frags.

scaphopods, large
Bellerophon (?Pharkidonotus) sp.
pelecypod frags.

Plagioglypta sp.
Bellerophon sp.
Warthia? sp.
Straparollus (Euomphalus) n. sp.
Taosia sp.
Meekospira sp.
Nucula sp.

scaphopod, genus indet., tiny
Euphemitopsis multinodosus Yochelson
Straparollus (Euomphalus) n. sp.
Taosia sp.
Meekospira sp.
Polidevcia sp.
Nucula spp.
?Schizodus sp.
Permophorus sp.

scaphopod, indet.
Euphemitopsis multinodosus Yochelson
Straparollus (Euomphalus) n. sp.
Glabrocingulum sp.
Taosia sp.
Meekospira sp.
high-spired gastropod, indet.
Nucula spp.
Polidevcia sp.
Permophorus sp.
crinoid columnal

scaphopod, indet., small
Euphemitopsis multinodosus Yochelson
Straparollus (Euomphalus) n. sp.
Taosia sp.
Nucula spp.
Polidevcia sp.
?Schizodus sp.
Permophorus sp.
Metacoceras sp.
crinoid columnals

?Meekospira sp.
pelecypod indet., small

Bellerophon sp.
Nucula sp.
pelecypod frags.

Nucula sp.
?Parallelodon sp.
Schizodus-like pelecypod
pelecypod frags.

bellerophontacean gastropod
Myalina (Orthomyalina) sp.

Echinoconchus? sp.

A283 69' cov, ls float, lt gry bn (10 YR 6/2) wthrs lt bn gry (10 YR 6/2 to 6/1), platy, below 39' increasing amt of float with great deal at 29'
A282 1' ls, lt olive gry (5 Y 6/2) wthrs yell gry (5 Y 7/2), med-gr, mod strong petro odor
A281 9' ls, lt gry bn (10 YR 6/2) wthrs buff (10 YR 7/4), fn-gr, platy, dkr + thn bd at base
A280 9' cov, float mostly like below
A279 2.5' ls, lt gry bn (10 YR 6/2) wthrs same to lt olive gry (5 Y 6/1), med-gr, thn bd
A278 6.5' cov,
A277 6' ls, med gry bn (10 YR 5/2) wthrs sl ltr, fn-med-gr, bds 6" at top grades to 1" at base
A276 9' ls, pale buff (between 10 YR 8/2 + 7/4) to gry pink (10 R 6/2) wthrs sl dkr, bds 1"-2" to platy, gradat'l below, contains much fossil trash
A275 4' ls, gry buff (between 10 YR 6/2 + 7/4) wthrs sl ltr, fn-gr, platy to shaly
A274 3.5' ls, lt olive gry (5 Y 6/2) wthrs yell gry (5 Y 7/2), med-gr, thn bd, mod strong petro odor
A273 3' cov, yell soil zone, apparently siltst
A272 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, pale olive grn (5 Y 6/4) when damp
A271 1' cov, yell soil zone, apparently siltst
A270 3.5' ls, lt gry bn (10 YR 6/2) wthrs sl ltr (5 Y 6/2) to pale org buff (sl ltr than 10 YR 8/6), fn-med-gr, thn bd some platy, lamin in many bds, one bd vuggy prob breccia
A269 5' ls, med gryish bn (10 YR 5/2) wthrs sl ltr, fn-med-gr, thn bd, grades up to gry buff (betwn 10 YR 6/2 + 7/4) wthrg sl ltr, fn-gr, platy to shaly at top
A268 9' cov, yell soil zone, apparently siltst
A267 1' siltst, buff (10 YR 7/4) wthrs sl ltr, crs-gr, expos in hole
A266 8' cov, yell soil zone, apparently siltst
A265 5.5' ls, at base med gry bn (10 YR 5/2) wthrg sl ltr, fn to med-gr grades upward to yell gry (betwn 5 Y 7/2 + 6/4) wthrs ltr (5 Y 7/2) fn-gr, thn bd to platy at top
A264 60.5' cov, abundant float, 0'-18' platy ls float like below 18'-56' vy faint yell soil zone + small ls chips pale buff (10 YR 8/4) wthrs buff (10 YR 7/4) with about 1/2 with org pink (10 R 7/4) patches, fn to med-gr, prob mainly siltst, 56'-60.5' ls, vy lt gry (N8) wthrs lt yell gry (5 Y 7/1)
A263 6' ls, vy lt gry bn (10 YR 7/2) wthrs same, thn bd, some platy
A262 18' cov, platy float like above + below
A261 3' ls, lt olive gry (5 Y 6/3) wthrs ltr (5 Y 7/2), fn-gr, platy
A260 12' cov, float like below
A259 16' ls, lt olive gry (betwn 5 Y 7/2 + 6/4) wthrs ltr (5 Y 7/2), fn-gr, platy
A258 5.5' ls, lt olive gry (5 Y 6/1) wthrs sl ltr, med-gr, bds 1"-6"
A257 4' ls, lt gry bn (10 YR 6/2) wthrs ltr (5 Y 6/2) to pale org buff (10 YR 8/6), bds 1"-6"
A256 9.5' cov, float like above + below
A255 7' ls, lt gry bn (10 YR 6/2) wthrs gry buff (betwn 10 YR 6/2 + 7/4), fn to med-gr, thn bd, at top platy + yellr
A254 8.5' cov, yell soil zone, apparently siltst, with upper 2' platy ls float
A253 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr, expos in hole
A252 5.5' cov, yell soil zone, apparently siltst, basal 1' float like below
A251 1' ls, lt olive gry (5 Y 6/3) wthrs ltr (5 Y 7/2), fn-gr, platy
A250 8.5' cov, pale yell soil zone, apparently siltst, top 1' float like above
A249 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr, expos in hole
A248 17' cov, pale yell soil zone, apparently siltst
A247 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr, expos in hole
A246 11.5' cov, yell soil zone, apparently siltst, + some ls float like A-244
A245 2' ls, lt gry bn (10 YR 6/2) wthrs sl ltr (5 Y 6/2) to pale org buff (sl ltr than 10 YR 8/6), fn-med-gr, bds 1"-6"
A244 26' ls, lt olive gry (betwn 5 Y 7/2 + 6/4) wthrs ltr (5 Y 7/2) ltr gry towards base, fn-gr, mainly platy with some thn bd, gradat'l above
A243 4' cov,
A242 6.5' ls, lt gry bn (10 YR 6/2) wthrs sl ltr (5 Y 6/2) to pale org buff (sl ltr than 10 YR 8/6), fn-gr, bds 1"-2", one 6" bd of brecciated frags (1"-2"), similar breccias seen in similar bds above
A241 1' cov,
A240 .5' ls, lt olive gry (5 Y 6/2) wthrs yell gry (5 Y 7/2), med-gr, 6" bd, mod strong petro odor
A239 10' ls, lt olive gry (betwn 5 Y 7/2 + 6/4) wthrs ltr (5 Y 7/2) grades downward to lt gry bn (10 YR 6/2) wthrg sl ltr (5 Y 6/2) to pale org buff (10 YR 8/6) in basal 2', thn bd, chty with lt to dk bn wthrg bnds (1/2"-2" wide) separated by ls (1"-5" wide), one 2" layer of Euphemites coquina
A238 10' cov, float like below
A237 10.5' ls, vy lt gry bn (10 YR 7/2) wthrs gry buff (betwn 10 YR 6/2 + 7/4), fn-gr, bds 1"-2", locally lamin + lt gry bn (10 YR 6/2) wthrg sl ltr to pale org buff (10 YR 8/6), some bds of Euphemites coquina
A236 6.5' cov, float like below
A235 1' ls, lt gry bn (10 YR 6/2) wthrs same to sl ltr (5 YR 6/1), med-gr, bds 1"
A234 1.5' cov, float like below
A233 2.5' ls, gry buff (betwn 10 YR 6/2 + 7/4) wthrs sl ltr, fn-gr, platy to shaly
A232 3' ls, lt gry bn (10 YR 6/2) wthrs sl gryr, fn to med-gr, thn bd
A231 4' cov, yell soil zone, apparently siltst
A230 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr, expos in hole
A229 4' cov, yell soil zone, apparently siltst
A228 10' ls, lt olive gry (betwn 5 Y 7/2 + 6/4) wthrs ltr (5 Y 7/2) with some lt red bn (10 R 6/4) patches, fn-gr, platy
A227 4' cov, yell soil zone, apparently siltst
A226 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr, expos in hole
A225 11.5' cov, 0'-2.5' ls float like below except lt gry bn (10 YR 6/2) fresh; rest yell soil zone, apparently siltst
A224 3' ls, vy lt gry bn (10 YR 7/2) wthrs gry buff (betwn 10 YR 6/2 + 7/4), fn-gr, thn bd, lamin
A223 10.5' cov, top 3' platy ls float
A222 5' ls, vy pale buff (10 YR 8/2) to pale org buff (pale 10 YR 8/6) wthrs buff (10 YR 7/4) to org pink (10 R 7/4), fn-gr, massive, vuggy, boxwork in pt
A221 18' cov, terrace float
A220 1' carb, silicifd, may be in place, med dk gry (N5) wthrs pinkish gry (5 YR 8/1) to org pink (10 R 7/4), fn-gr
A219 136' cov, terrace float
A218 2' ls, lt gry bn (10 YR 6/?) wthrs sl ltr, med-gr, bds 3"-4"
A217 175' cov, terrace float, possible outcrop of a productid bearing ls at 115'-115', prob float

2,190'

?Euphemitopsis sp.
Polidevcia sp.

?Euphemitopsis sp.
Straparollus (Euomphalus) sp.
Polidevcia sp.
Nucula sp.
Schizodus sp.

brachiopod, indet., small

Euphemitopsis sp.
Polidevcia sp.
Schizodus-like pelecypods
pelecypod frags.

Plagioglypta sp.
?Euphemitopsis sp.
?Astartella sp.
pectenoid pelecypod
echinoderm debris
algae?

high spired gastropod?
Polidevcia sp.
Schizodus-like pelecypod

Bellerophon cf. B. (B.) parvicristus Yochelson

ostracods?

A216 6' ls, lt gry bn (10 YR 6/2) wthrs gry buff (betwn 10 YR 6/2 + 7/4), fn to med-gr, bds 1"-6", grades at top to lt olive gry (betwn 5 Y 7/2 + 6/4) wthrg ltr (5 Y 7/2) + platy
A215 32' ls, vy lt gry bn (10 YR 7/2) wthrs gry buff (betwn 10 YR 6/2 + 7/4), fn-gr, bds 1"-2"
A214 2' cov, float like above
A213 1.5' ls, vy lt gry bn (10 YR 7/2) wthrs pale buff (betwn 10 YR 8/2 + 7/4), fn-gr, platy, prob silty
A212 2' ls, med gry bn (10 YR 5/2) wthrs olive gry (5 Y 5/1), yell at base, thn bd
A211 77' cov, terrace float
A210 3.5' ls, gry buff (betwn 10 YR 6/2 + 7/4) wthrs sl ltr, fn-gr, platy
A209 14' cov, 0'-10' yell soil zone, apparently siltst, rest ls float like above
A208 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr, expos in hole
A207 64' cov, top 20' yell soil zone, apparently siltst, rest mainly ls float like below
A206 14' ls, lt gry bn (10 YR 6/2) wthrs gry buff (betwn 10 YR 6/2 + 7/4), fn-med-gr, bds 1"-14", grades at top to lt olive gry (betwn 5 Y 7/2 + 6/4) wthrg ltr (5 Y 7/2)
A205 2' ls, gry buff (betwn 10 YR 6/2 + 7/4) wthrs sl ltr, fn-gr, platy
A204 1' cov,
A203 14' ls, lt gry bn (10 YR 6/2) wthrs gry buff (betwn 10 YR 6/2 + 7/4), fn to med-gr, bds 1"-2", dense
A202 2' cov,
A201 9' ls, lt olive gry (5 Y 6/1) wthrs same, fn to med-gr, bds 2"-1'
A200 2' cov,
A199 12' ls, lt olive gry (5 Y 6/1) to sl dkr, wthrs same, fn-gr, bds 8"-1', crude wavy lamin; top 1' lt gry bn (10 YR 6/2) wthrs sl ltr (5 Y 6/2) to pale org buff (10 YR 8/6), thnr bds; basal 6' ledge former
A198 .5' ls, vy lt gry (N?) wthrs lt yell gry (5 Y 7/1), platy
A197 6' cov, yell soil zone, apparently siltst
A196 1' siltst, calc, buff (sl yellr than 10 YR 7/4), wthrs sl ltr, crs-gr, expos in hole
A195 10.5' cov, yell soil zone, apparently siltst
A194 13' ls, lt olive gry (5 Y 6/1) wthrs same, fn to med-gr, platy with some thn bds, at base some thn bds lt gry bn (10 YR 6/2) wthrg lt olive gry (5 Y 6/1) with small (1/2") patches of calcite xls (1/4") + sl lamin, few 1' bds wthr buff (10 YR 7/4) + may be silicifd
A193 53' cov, 0'-32' ls float like below, top 21' pale yell soil zone, apparently siltst
A192 5' ls, lt olive gry (5 Y 6/1) wthrs same, fn to med-gr, bds 2"-1', at top scattrd small wht patches of calcite
A191 4' cov,
A190 2' ls, dk bn gry (5 YR 4/1) wthrs med gry (N6) to lt olive gry (5 Y 6/1), fn-gr, thn bd, shaly at top, one ltr silty bn bd with some small patches of coarse calcite
A189 20.5' cov, very pale yell soil zone, apparently siltst
A188 1' ls, wht (N9) wthrs vy lt gry (N8), crs-gr, prob rexlized
A187 13' cov, misc ls float, platy + thn bd
A186 5' ls, lt olive gry (5 Y 6/1) wthrs same, fn to med-gr, bds 4"-6", grades upward to lamin ls lt gry bn (10 YR 6/2) wthrs ltr
A185 7' cov,
A184 1' ls, med bn gry (5 YR 5/1) wthrs lt olive gry (5 Y 6/1), fn-gr, thn bd
A183 11.5' cov,
A182 3' ls, lt gry bn (10 YR 6/2) wthrs gry buff (betwn 10 YR 6/2 + 7/4), fn-gr, bds 1"-14"
A181 32' cov, float like below
A180 2' ls, lt olive gry (betwn 5 Y 7/2 + 6/4) wthrs yell gry (5 Y 7/2), fn-gr, thn bd to platy
A179 13' ls, lt olive gry (5 Y 6/1) wthrs same, fn-gr, bds 1'-3', basal 3' platy, irreg patches + lens of silicifd fossil trash
A178 1.5' cov, ls float, gry buff (betwn 10 YR 6/2 + 7/4) wthrs sl ltr, fn-gr, platy
A177 1' ls, lt gry bn (10 YR 6/2) wthrs sl ltr (5 Y 6/2) to pale org buff (10 YR 8/6), fn-gr, bds 1"-4", some platy
A176 10' cov, yell soil zone, apparently siltst
A175 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr, expos in hole
A174 23.5' cov, 0'-13.5' ls float like below, top 10' yell soil zone, apparently siltst
A173 4.5' ls, lt olive gry (5 Y 6/1) wthrs same, fn-gr, thick bd
A172 1.5' cov, float like above
A171 19.5' ls, yell gry (5 Y 7/2) with some sl dkr patches, wthrs same, fn to med-gr, bds 1"-6", few platy horizons, vy tough, mod strong petro odor, one small cht lens
A170 9.5' cov, yell soil zone, apparently siltst, + float like below
A169 2' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, platy some thn bd, few layers of crs-gr calcite
A168 8' cov, yell soil zone, apparently siltst
A167 4' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to lt olive gry (5 Y 6/1), fn to med-gr, vuggy, vugs lined with org (10 YR 6/6) crs-gr calcite
A166 1' cov, yell soil zone, apparently siltst
A165 1' clayst, calc, gry yell (betwn 5 Y 7/2 + 8/4), wthrs about same
A164 26.5' cov, 0'-25.5' ls float like A-162, top 11' yell soil zone, apparently siltst
A163 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr, gradat'l below
A162 22.5' ls, yell gry (5 Y 7/2) to sl dkr, wthrs same, fn to med-gr, bds 4"-3' with thicker bds changing to 6"-1' bds along strike, few scattrd irreg cht nods at 6' med gry bn (10 YR 5/2) wthrg lt bn (5 YR 6/4)
A161 2' cov, yell soil zone, apparently siltst
A160 1' siltst, calc, grnish buff (betwn 10 YR 7/4 + 5 Y 6/4) wthrs sl ltr to yell gry (5 Y 7/2) crs-gr, expos in hole
A159 21.5' cov, top 18' yell soil zone, apparently siltst, with float like above, rest float like below
A158 5' ls, yell gry (5 Y 7/2) to sl dkr, wthrs same to lt olive gry (5 Y 6/1), fn to med-gr, bds 6"-1', lt olive gry wthrg bds prob silty
A157 13' cov, float like above + below
A156 11' ls, yell gry (5 Y 7/2) to sl dkr, wthrs same to lt olive gry (5 Y 6/1), fn to med-gr, bds 1'-1 1/2', lt olive gry wthrg bds prob silty
A155 5' ls, lt gry bn (10 YR 6/2) wthrs vy pale buff (10 YR 8/2), fn-gr, prob sl dolmtic
A154 3' cov,
A153 5' ls, lt olive gry (betwn 5 Y 7/2 + 6/4) wthrs yell gry (5 Y 7/2), fn-gr, bds 1" to platy
A152 4' ls, yell gry (5 Y 7/2) to sl dkr, wthrs same to lt olive gry (5 Y 6/1), fn to med-gr, bds 6"-1', some bds prob silty, gradat'l above
A151 1' cov, platy calc siltst float, buff (10 YR 7/4) wthrs sl ltr, crs-gr
A150 1.5' ls, olive gry (5 Y 5/1) wthrs yell gry (5 Y 7/2), fn-gr, bds 3"
A149 40' cov, top 8.5' calc siltst float buff (10 YR 7/4) wthrs sl ltr, crs-gr, rest platy ls float from below

1,430'
U. Mb.
L. Mb.
1,421'

fusulinids (to S.)
sponge?
ramose bryozoans, small (to N.)
fenestrate bryozoans (to N.)
Omphalotrochus whitneyi (Meek)
Composita cf. C. subtilita (Hall)
crinoid columnals

Schubertella sp. (to S.)
staffellid undet. (to S.)
Pseudofusulina? (to S.)
Omphalotrochus sp.
crinoid columnal
echinoid spines

brachiopod, small
Omphalotrochus sp.
murchisoniid gastropod
pseudozygopleurid gastropod
cf. Astartella sp.
cf. Polidevcia sp.
Spirorbis-like worm tube
echinoid plates

echinoid spines, smooth

echinoid spines, spiny, and plates

Lithostrotion-like coral
echinoid spines, smooth, and plates

Composita cf. C. subtilita (Hall)
dictyoclostid brachiopod frag.
Omphalotrochus cf. O. whitneyi (Meek)
crinoid columnals
echinoid spines, large smooth and spiny, and plates

Lithostrotion-like coral, small

ramose bryozoans, large
echinoid spines, smooth, and plates
some spines with encircling bryozoa

ramose bryozoans, large
fenestrate bryozoans
echinoid spines

ramose bryozoans, large
echinoid spines, smooth

ramose bryozoans, large
echinoid spines, smooth

ramose bryozoans, large
fenestrate bryozoans
echinoid spines, smooth

A148 19' ls, yell gry (5 Y 7/2) with 0'-8' med gry bn (10 YR 5/2) wthrs same to lt olive gry (5 Y 6/1); top 2/3 some silty bnds buff (sl dkr than 10 YR 7/4) wthr sl dkr (10 YR 6/4), fn to med-gr, bds 6"-1 1/2', few scattrd small irreg cht nods med dk gry (N4) wthr med bn (5 YR 4/4), few silicifd fossil trash layers wthr like cht, basal 8' ledge former
A147 6' cov, float from above, prob siltst like below
A146 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr
A145 32' cov, ls, dolo + calc siltst float similar to below; dolo yell gry (5 Y 7/2) wthrs buff (10 YR 7/4), fn-gr
A144 2.5' calc siltst + silty dolmtic ls, gry yell (betwn 5 Y 7/2 + 8/4) wthrs yell gry (5 Y 7/2), fn-gr siltst, bds 1" to platy, gradat'l betwn siltst + ls
A143 3.5' cov,
A142 2.5' ls, yell gry (5 Y 7/2) to sl dkr wthrs same to lt olive gry (5 Y 6/1), fn to med-gr, bds 6"-1', some prob silty
A141 13.5' cov, float like above + below
A140 2' ls, like A-138
A139 1' cov,
A138 2' ls, yell gry (sl dkr than 5 Y 7/2) wthrs ltr (5 Y 7/2) to lt olive gry (5 Y 6/1), fn to med-gr, bds 6"-1', some prob silty
A137 16' siltst, dolmtic, gry yell (betwn 5 Y 7/2 + 8/4) wthrs yell gry (5 Y 7/2), med-gr
A136 4' ls + minor silty ls, yell gry (5 Y 7/2) to sl dkr, wthrs same to lt olive gry (5 Y 6/1), fn to med-gr, bds 6"-1'; at 2' bd with few cht nods (3"-4" diam) dk gry bn (5 YR 4/1) wthrs sl ltr, basal 1' sl speckled with wht calcite spots (1 mm diam) 1/4"-1/2" apart
A135 49' cov, float like above + below
A134 20.5' ls + minor silty ls, yell gry (5 Y 7/2) to some sl dkr wthrs same to lt olive gry (5 Y 6/1) with few silty buff (10 YR 7/4) bnds, fn to med-gr, med bd; two resistant ls bds form low ledges sl dkr with no noticeable silt, med gry bn (10 YR 5/2) wthr same to sl ltr: 0'-4.5' with cht lens at top, lower pt to whole bd may be speckled with scattrd wht calcite spots (1-4 mm) 1-12/sq. inch, "speckled" bd, 15.5'-18' interrupted cht lens (1"-1.5" wide) near base of bd lt gry (N7) wthrs same to pale red bn (10 R 5/4)
A133 3' cov, some float like below
A132 3' siltst, dolmtic, gry yell (betwn 5 Y 7/2 + 8/4) wthrs yell gry (5 Y 7/2), fn-gr
A131 2' cov, float like above
A130 2' ls, lt gry bn (10 YR 6/2) wthrs yell gry (5 Y 7/2) fn-gr, med bd, faintly speckled with wht calcite
A129 32.5' cov, mainly siltst float
A128 3' siltst, dolmtic, gry yell (betwn 5 Y 7/2 + 8/4) wthrs yell gry (5 Y 7/2), fn-gr, thn bd to platy, mod strong petro odor
A127 2' cov,
A126 4' ls, med gry bn (10 YR 5/2) wthrs same to yell gry (5 Y 7/2), fn-gr, med bd, some silty ls at top, expos 50' S of sectn line + could possibly be repetition of A-124
A125 7.5' cov,
A124 1' ls, med gry bn (10 YR 5/2) wthrs same to yell gry (5 Y 7/2) in places, fn-gr 1' bd
A123 17.5' cov, ls + siltst float
A122 1' siltst, dolmtic, gry yell (betwn 5 Y 7/2 + 8/4) wthrs yell gry (5 Y 7/2), fn-gr, thn bd to platy, mod strong petro odor
A121 51' cov, ls + siltst float
A120 4.5' siltst, dolmtic, like A-122
A119 9' cov, siltst + ls float
A118 .5' siltst, calc, buff (10 YR 7/4) with streaks of lt red bn (10 R 6/4) wthrs sl ltr, fn-gr, few minute (1/2-1 mm) tabular vugs
A117 7' ls, med gry bn (sl ltr than 10 YR 5/2), wthrs same to yell gry (5 Y 7/2) in places, fn-gr, med bd, with faint lt calcite speckles
A116 13' cov, mainly ls with some siltst float
A115 3' ls, like A-117
A114 38' cov, mainly ls some siltst float
A113 12.5' ls, med gry bn (sl ltr than 10 YR 5/2) wthrs same to yell gry (5 Y 7/2) locally fn-gr, bds 6"-2 1/2', with faint calcite speckles; in middle of unit 2' of silty ls yell gry (5 Y 7/2) wthrs same to lt olive gry (5 Y 6/1), fn to med-gr, betwn 10'-11' cht nods (about 3" x 6") occur about every 1' med gry (N5) wthr med bn (5 YR 4/4)
A112 31.5' cov, ls + sl siltst float
A111 12.5' ls, lt gry bn (10 YR 6/2) to sl dkr wthrs same to med gry (N6) + some lt olive gry (5 Y 6/1) at top, fn-gr, bds 1 1/2'-3'; at 11' scattrd cht nods (1"-3" diam) lt gry (N7) wthr same to med bn (5 YR 4/4); betwn 3'+7' scattrd irreg chts + some silicifd fossils med gry bn (10 YR 5/2) wthrg sl yellr (5 YR 5/6); at base faint speckling of scattrd wht calcite spots (1-4 mm), basal 5'-7' forms prominent ledge
A110 1' ls, lt gry bn (10 YR 6/2) to sl dkr, wthrs same to med gry (N6), fn-gr, thn bd, sl dkr + fnr-gr than A-111 vy faint lamin on wthr surface, non resistant, grades to calc siltst, like in A-108, at base
A109 2' cov, prob like below
A108 9.5' siltst, dolmtic, gry yell (betwn 5 Y 7/2 + 8/4) wthrs yell gry (5 Y 7/2), crs-gr, thn bd, mod strong petro odor, grades to calc siltst at top buff (10 YR 7/4) with streaks of lt red bn (10 R 6/4) wthrs sl ltr
A107 29' cov, prob like above, scattrd expos to S
A106 7.5' ls, lt gry bn (10 YR 6-7/2) wthrs same to lt olive gry (5 Y 6/1) med-gr, bds 6"-3'
A105 8.5' siltst, dolmtic, gry buff (10 YR 7/3 wthrs same to buff (10 YR 7/4), med-gr, bds about 1', platy at top
A104 6.5' cov, prob like above
A103 4.5' ls, dolmtic, silty, vy pale buff (10 YR 8/2) wthrs same to sl dkr, fn-gr, bds 2"-6", at top grades to dolmtic siltst like A-105
A102 1.5' cov,
A101 7.5' siltst, calc, gry buff (10 YR 7/3) to buff (10 YR 7/4) wthrs same to sl yellr, med-gr, bds 1"-1'
A100 9' cov, prob like above
A99 1' siltst, calc, gry buff (10 YR 7/3) to buff (10 YR 7/4) wthrs same to sl yellr, med-gr, platy
A98 10.5' ls, sl dolmtic, sl silty, vy pale buff (10 YR 8/2) to wht wthrs same to sl dkr, fn-gr, bds 4"-1'
A97 27' cov, platy + some thn bd ls + silty ls float like A-96 + 94, some cht nods wthrg lt bn (5 YR 6/4)
A96 1.5' ls, silty, vy pale buff (10 YR 8/2) to pale buff (10 YR 8/4) wthrs same to yell gry (5 Y 7/2), fn-gr, bds 4"
A95 5' cov, float like above + below
A94 25.5' ls + silty ls, ls lt gry bn (10 YR 6-7/2) wthrs sl ltr, fn-gr, bds 6"-2' mainly 1'; betwn 18.5'-19.5' some irreg nods + bnds of cht med gry (N6) wthrs lt bn (5 YR 6/4); silty ls vy pale buff (10 YR 8/2) to pale buff (10 YR 8/4) wthrs same to yell gry (5 Y 7/2), fn-gr, bds 4"; mainly ls, silty ls near top
A93 1' siltst, calc, sandy, buff (10 YR 7/4) to pale org buff (10 YR 8/6) wthrs sl ltr, crs-gr, with scattrd well rounded frosted med-gr sand grains, platy to thn bd, mainly 1/2" bds
A92 18.5' cov, mainly platy siltst float like above + below
A91 2' siltst, dolmtic, lt gry yell (betwn 5 Y 7/2 + 8/4) wthrs about same (5 Y 7/2), fn-gr, mod strong petro odor
A90 11' cov, prob siltst like above
A89 21' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 1 1/2'-7', basal 1.5' faintly speckled with calcite spots (1-2 mm) about 4/sq.-inch, few horizons with scattrd irreg cht nods (1"-6" diam) med gry (N6) wthrs med bn (5 YR 4/4), some horizons with abundant fossil trash
A88 7' cov, prob ls like below
A87 .5' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, 6" bd, vy faintly speckled with small wht calcite spots
A86 33.5' cov, platy ls float vy lt gry bn (10 YR 7/2) wthrs vy pale buff (10 YR 8/2) to yell gry (5 Y 7/2), with much bioclas debris
A85 1.5' siltst, calc, buff (10 YR 7/4) to pale org buff (10 YR 8/6), crs-gr, bds 1"-4", few scattrd organic frags
A84 14.5' cov, platy ls float like A-86
A83 13' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), med-gr, med bd, grades to bioclas locally
A82 23.5' ls, silty ls + calc siltst, ls lt gry bn (10 YR 6-7/2) wthrs lt gry (N7) to yell gry (5 Y 7/2) to buff (10 YR 7/4), med-gr, yell gry to buff wthrg ls fn-gr with scattrd crs grains of calcite; calc siltst buff (10 YR 7/4) to pale org buff (10 YR 8/6) wthrs sl ltr, crs-gr, bds 1"-4"; silty ls gradat'l; thn to med bd, gradat'l contacts
A81 6' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), med-gr; med bd, grades to bioclas locally
A80 4' cov, float like above + platy to thn bd silty ls float
A79 1' ls, like A-81

64-10
Plate 4

670'

ramose bryozoans, large
dictyoclostid brachiopod frags.
echinoid spines, smooth, and plates

fasciculate coral
horn coral?, small
Composita subtilita (Hall)
echinoid spines, smooth and spiny

fasciculate coral, small
Composita subtilita (Hall)
Omphalotrochus sp.
echinoid spines and plates

fasciculate coral
fenestrate bryozoa
Composita sp.
Orbiculoidea sp. (to S.)
Omphalotrochus cf. O. whitneyi (Meek)
crinoid columnals
echinoid spines, smooth and spiny, and plates

Omphalotrochus sp.
crinoid columnals
echinoid spines, spiny

echinoid spines

crinoid columnals, small
echinoid spines, small

fasciculate coral
crinoid columnals, small
echinoid spines, spiny, and plates

Reticulatia sp.
Composita subtilita (Hall)
euomphalacean gastropod?
Astartella? sp.
crinoid columnal
echinoid spines, spiny, and plates

brachiopod frags.
echinoid spines

colonial corals, tiny
?Composita frags.
Bellerophon sp.
Straparollus (Euomphalus) cf. S. (E.) pernodosus (Shumard)
Omphalotrochus aff. O. whitneyi (Meek)
echinoid spines and plate

Composita subtilita (Hall)
Straparollus (Euomphalus) sp.
crinoid columnals
echinoid spines and plates

horn coral, small
Composita subtilita (Hall)
Punctospirifer cf. P. kentuckensis (Shumard)
Strophomenid frag.
crinoid columnal, small
echinoid spines, spiny and large, and plates

Pa
Pr
0'

A78 1.5' cov,
A77 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, crs-gr
A76 22' cov, top 11.5' chips like above, rest mainly float like below
A75 15' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 4"-2', minor small (1"-2" diam) cht nods
A74 15.5' cov, float like above
A73 8.5' siltst, dolmtic, gry buff (betwn 10 YR 7/4 + 5 Y 7/2) wthrs buff (10 YR 7/4), med-gr, bds 1/2"-1"
A72 2.5' cov, float like above
A71 21' ls, sl dolmtic, vy pale buff (sl dkr than 10 YR 8/2) wthrs sl dkr to pale buff (betwn 10 YR 8/2 + 7/4), fn-med-gr
A70 14.5' cov, prob like below
A69 1' siltst, dolmtic, gry buff (betwn 10 YR 7/4 + 5 Y 7/2) wthrs buff (10 YR 7/4), med-gr, bds 1"
A68 16.5' cov, prob like above
A67 8.5' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 1'-3', some 3"-1', scattrd irreg banded cht lens lt gry (N7) to lt gry bn (10 YR 6/2) wthrs same to med bn (5 YR 5/6), near top some sl silty bnds, wthr yell gry
A66 6.5' ss, calc, lt gry bn (10 YR 6/2) wthrs sl ltr, fn to med-gr, fairly well sorted well rounded frosted qtz grains, bds 1'-2'
A65 4' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 1'
A64 13' cov, float like above + below + some calc siltst float vy pale buff (10 YR 8/2) wthrs sl dkr, med-gr
A63 32.5' ls, vy lt gry bn (10 YR 7/2) wthrs same to yell gry (5 Y 7/2), fn-med-gr with few "floating" rounded calcite grains (1/2-1 mm diam), thn bd with some platy bds, mainly 1" bds on wthrd outcrop with some bds coalescing to form 1' bds along strike, at base fn-gr + wthrs ltr
A62 5' cov, prob like below
A61 1.5' siltst, sl dolmtic, pale buff (betwn 10 YR 8/2 + 7/4) wthrs same to sl ltr, med-gr, bds 1"
A60 8' cov, float like above
A59 13.5' ls, dolmtic, vy pale buff (sl dkr than 10 YR 8/2) wthrs sl ltr, fn-gr, bds 3"-8", basal pt has rough silicifd areas (3"-5" diam) lt gry bn (10 YR 6/2) wthrg med gry bn (5 YR 5/6), series of shallow depressions along top, possibly collapse over unit above
A58 9.5' dolo, calc, silty, lt olive gry (5 Y 6/1) wthrs same to yell gry (5 Y 7/2) with few silty buff (10 YR 7/4) bnds, fn-gr, basal half 4"-1' bds with irreg silty bnds, top 1/2-1" lamin bds with laminae wthrg differentially, prob silty + nonsilty laminae
A57 19' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 4"-3', few silty bnds in basal 4' + one in middle, 12.5'-15' cht nods (2"-6") med gry (N6) wthr vy pale buff (10 YR 8/2) to lt bn (5 YR 6/4) gradat'l above
A56 13' cov, mainly float like above, some like below + prob like below
A55 5' ss + calc siltst, ss vy lt gry bn (10 YR 7/2) wthrs buff (10 YR 7/4), vy fn-gr, grades to siltst, bds 1"-3", calc cement, 4" silty ls bd in middle similar to A-57
A54 7.5' cov, float from above + below
A53 62.5' ls, silty ls + calc siltst, ls med bn gry (betwn N6 + 10 YR 6/2) wthrs sl ltr, med to fn-gr, bds 4"-2'; silty ls similar wthrs with yell gry (5 Y 7/2) to buff (10 YR 7/4) streaks + bnds; siltst like A-55; basal 25' mainly ls
A52 7.5' cov,
A51 1' ls, silty, yell gry (5 Y 7/2) wthrs ltr, fn-gr, bds 2"
A50 15' cov, float similar to below, wthrs yellr, crs-gr, some may be dolmtic
A49 1.5' siltst, calc, pale buff (betwn 10 YR 8/2 + 7/4) wthrs buff (10 YR 7/4), med-gr, bds 1"-1'
A48 22.5' cov, float mainly like below
A47 3' ls, lt gry bn (10 YR 6/2) wthrs yellish med gry (betwn N6 + 5 Y 6/1), med-gr, 2 1/2' bd
A46 8.5' cov,
A45 11' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 2'-3', few bnds with irreg cht nods (2"-4" diam) lt gry bn (10 YR 6/2) wthrs lt bn (5 YR 6/4)
A44 5' cov,
A43 1' siltst, calc, pale buff (betwn 10 YR 8/2 + 7/4) wthrs buff (10 YR 7/4), med-gr, bds 1"-2"
A42 23.5' cov, mainly float from above
A41 3.5' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 6"-1 1/2'
A40 1' cov,
A39 8.5' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 4"-1', some silty zones near base
A38 4' cov, calc siltst float
A37 1' ls, med gry bn (10 YR 4/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), 1' bd, some wht calcite speckles (1-2 mm) locally
A36 51' cov, ls + some calc siltst float, siltst vy pale buff (10 YR 8/2) wthrs same to buff (10 YR 7/4), med-gr, 1" slabs
A35 4' silty ls + some ss, silty ls med bn gry (betwn N6 + 10 YR 6/2) wthrs yell gry (5 Y 7/2) to buff (10 YR 7/4), med to fn-gr, bds 4"-2'; ss lt gry bn (10 YR 6/2) wthrs yell gry (5 Y 7/2), vy fn-gr, well rounded frosted grains, calc cement, well indurated, 6" bd
A34 8' cov, ls + silty ls float
A33 1' ls, silty, wht (N9) wthrs yell gry (5 Y 7/2), fn-gr, 10" bd
A32 23' cov, ls, silty ls + ss float
A31 20' ls + silty ls, lt to vy lt gry bn (10 YR 6-7/2) wthrs med gry (N6) to yell gry (5 Y 7/2) (in silty ls), fn to med-gr, bds 6" to 4' (at top), silty bnds increase towards base, chty with nods + lens med gry (N6) wthrg vy pale buff (10 YR 8/2) to med bn (5 YR 5/6), also irreg bnds of silicifd echinoid spines + fossil trash wthrs med bn (5 YR 5/6), base of "Corwenia" zone at top with vy few fasciculate corals expos
A30 6.5' siltst, calc, lt gry bn (10 YR 6/2) wthrs vy lt gry bn (10 YR 7/2) to buff (10 YR 7/4) med-gr, bds 1', gradat'l contacts
A29 3' ls + silty ls, lt to vy lt gry bn (10 YR 6-7/2) wthrs med gry (N6) to yell gry (5 Y 7/2) (in silty ls), fn to med-gr, bds 6"-1', layers with cht nods + lens med gry (N6) wthr vy pale buff (10 YR 8/2) to med bn (5 YR 5/6)
A28 2' cov,
A27 6.5' siltst, calc, pale buff (betwn 10 YR 8/2 + 7/4) wthrs buff (10 YR 7/4) med-gr, bds 1"-1'
A26 19.5' cov, siltst + ls float
A25 2' ls, med gry bn (10 YR 4/2) wthrs sl ltr to med gry (N6), fn-gr, 2' bd
A24 4.5' cov,
A23 11' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn to med-gr bds 6"-1 1/2', at base 6" of siltst vy pale buff (10 YR 8/2) wthrs buff (10 YR 7/4)
A22 3' cov,
A21 .5' ls, med gry bn (10 YR 5/2) wthrs vy lt gry bn (10 YR 7/2), fn-gr, 6" bd
A20 8.5' cov,
A19 4.5' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 1'-2', few small (1"-2" diam) irreg cht nods lt gry (N7) wthr lt olive gry (5 Y 6/1)
A18 2' cov,
A17 5.5' calc siltst-silty ls, gry buff (10 YR 7/3) wthrs same to buff (10 YR 7/4), fn-gr, bds 2"-6"
A16 6.5' ls, med gry bn (10 YR 4/2) wthrs sl ltr to med gry (N6), fn to med-gr, bds 4"-6"
A15 2.5' siltst, calc, vy pale buff (sl dkr than 10 YR 8/2) wthrs same, fn-gr, bds 1"-2"
A14 1.5' cov,
A13 9.5' ls, lt gry bn (10 YR 6/2) wthrs lt gry (N7) to yell gry (5 Y 7/2), fn-gr, bds 1'-2', few small (1"-2" diam) irreg cht nods lt gry (N7) wthrs lt olive gry (5 Y 6/1), minor silty bnds near base
A12 2.5' siltst, calc, vy lt gry bn (10 YR 7/2) wthrs yell gry (5 Y 7/2) to buff (10 YR 7/4) fn-gr, bds 1"-2", few 1 mm calcite grains, gradat'l contacts
A11 15.5' ls + silty ls, lt to vy lt gry bn (10 YR 6-7/2) wthrs med gry (N6) to yell gry (5 Y 7/2), fn-gr, bds 4"-2', some with cht nods + lens med gry (N6) wthrs vy pale buff (10 YR 8/2) to med bn (5 YR 5/6)
A10 4' siltst, vy lt gry bn (10 YR 7/2) wthrs yell gry (5 Y 7/2) to buff (10 YR 7/4), crs-gr, bds 3"-1', calc cement
A9 2' siltst, vy lt bnish gry (betwn 10 YR 7/2 + N8) wthrs same, crs-gr, lamin, laminae differentially wthrd
A8 36' siltst, calc, vy lt gry bn (10 YR 7/2) wthrs yell gry (5 Y 7/2) to buff (10 YR 7/4), crs-gr finer near base, bds 1"-4", betwn 23'-27.5' buff (10 YR 7/4) wthrs sl ltr, minor amt silty ls
A7 12.5' cov, siltst float
A6 1' siltst, calc, buff (10 YR 7/4) wthrs sl ltr, bds 1"
A5 3.5' cov, float like below
A4 1' siltst, calc, vy pale buff (sl dkr than 10 YR 8/2) wthrs same, fn-gr, 1' bd, may be sl dolmtic
A3 23.5' cov, basal 1/2 with platy calc siltst float buff (10 YR 7/4) wthrs sl ltr
A2 1' siltst, calc, vy lt gry bn (10 YR 7/2) wthrs yell gry (5 Y 7/2) to buff (10 YR 7/4)
A1 6' ls, sl dolmtic, lt gry (N7) wthrs same to vy lt gry (N8), fn-gr, bds 3"-8", vy few irreg cht nods vy lt gry bn (10 YR 7/2) wthr lt bn (5 YR 6/4)