

Symbols in parenthesis refer
to GSA Rock color chart

City Obs. Well #1

37Q-
CHA-480

- 0-22 Sand, yellowish gray (5Y 7/2), fine in size, composed of angular to subangular, slightly Fe stained gtz. Also very small amount of black, heavy mineral present (Magnetite or ilmenite?)
- 22-32 Sand, mostly yellowish gray (5Y 7/2), mostly fine in size but some medium, composed of angular to subangular (fine size) with some subrounded (medium size) gtz that is very slightly Fe stained. Some heavy mineral and mica flakes present.
- 32-42 Sand, as above, some highly Fe stained gtz grains, ~~with~~ greater % of medium size grains which are subangular to subrounded.
- 42-52 Sand, light olive gray (5Y 6/1), color due to presence of small amount of clay^{and silt size particles} forming cement. otherwise sand is as above
- 52-62 Sand, as above (including clay^{+ color}), ~~to~~ higher % of fine size than above.
- 62-72 Sand, as above, mostly fine in size.
- 72-82 Sand, light olive gray (5Y 6/1), size ranges from very fine to coarse, subang. to subrounded with the degree of roundness increasing with size. larger amount of clay^{and silt size particles} than above. Shell fragments present.
- 82-92 Sand, as above, with increase in amount of clay add a ~~small~~ ^{small} amount of very coarse ~~g~~ gtz grains.

City Obs. Well #1

- 92-102 Sand and clay, as above with a large amount of very coarse $9\frac{1}{2}$ grains.
- 102-118 Sand and clay, as above with increase in $10\frac{1}{2}$ grains to granule size. $9\frac{1}{2}$ grains are usually subrounded but may be subang. to subrounded.
- 118-128 Clayey silt, light olive gray when dry (5Y 5/2) and grayish olive (10Y 4/2) when wet., mixed with calcareous material ^{pale yellowish green (10Y 8/2)} containing a high % of silt size sand grains. The clayey silt is also calcareous. The silt size particles are angular $9\frac{1}{2}$ grains. Small polished phosphatic grains are present in small amounts as well as some mica.
- 128-138 Argillaceous silt, Pale olive (10Y 6/2), calcareous, slightly micaceous, Olive gray (5Y 3/2) when wet.
- 138-150 Argillaceous Silt, as above.
- 150-160 Argillaceous Silt, as above.
- 160-170 Argillaceous Silt, as above.
- 170-~~178~~¹⁷⁹ Argillaceous Silt, as above but grayish olive (10Y 4/2) when ~~wet~~ dry and olive gray (5Y 3/2) when wet.
- 179-190 Argillaceous Silt, as above.
- 190-192. Argillaceous Silt, as above with an increase in grain size of ~~silt size~~ some $9\frac{1}{2}$ grains to fine sand size and ~~an~~ an increase in phosphatic material
- 190-200 Argillaceous silt, as above with 60-80% pale yellowish green (10Y 8/2) ^(xtals of calcite or ardo.) marly material containing fine to silt size

qtz grains. Subang. - subrounded.

200-210 Argillaceous silt and calcareous marly material, pale olive (10Y 6/2) in intimate mixture. Some ~~are~~ subang to subsd. fine qtz grains and rounded polished phosphatic grains dk brown in color.

210-220 Argillaceous silt, as above, but calcareous material generally absent. Color, as above, as well, as phosphate and sand grains

220-230 Argillaceous silt, as above

230-240 Argillaceous silt, as above, with ~~some~~ ^{calcareous} calcareous marly material ~~with sand~~ (10-30%) ^{with} ~~crystals~~ crystals of clay size

240-250 Highly calcareous marly material, pale olive (10Y 6/2). color is probably darker due to presence of drilling mud. Very fine grained with small amount of silt ^{size} and very fine sand size qtz grains and some phosphatic grains.

250-260 Highly calc. marly material, as above, with some hard white crystalline l.s., and larger phosphatic grains. containing qtz inclusions

260-265 Highly calc. marly material, as above, and crystalline limestone, very light gray (N/8). very fine sand size qtz grains, subrd. to rd., present. Very small amount of phosphatic material

265-267 Highly calc. nearly mal. and crystalline l.s., as above.

267-275 Limestone and very fine sand size qtz grains.

Limestone is ~~very~~ white and cherty. qtz grains are

subang to subbd. Nm foss.

275-280 Limestone and sand, as above, but l.s. is slightly more crystalline appearing saccharine at times.

Slightly fossiliferous

280-285 Limestone and sand, as above.

285-290 Limestone and sand, as above, but a large decrease in the amount of sand present.

290-295 Limestone, yellowish gray (54 8/1), very finely saccharine and calcitized, some silt size clear qtz grains. Fossiliferous

295-300 Limestone, as above.

300-305 Limestone, as above.

305-310 Limestone, as above, but ~~slightly~~ less saccharine in appearance

310-315 Limestone, as above

315-320 Limestone, yellowish gray (54 7/2), very fine grained with a high degree of calcification causing larger kts. qtz grains from silt to medium sand size (subang-subbd.) present in small %. Some phosphatic material. Sparsely foss.

320-325 Limestone, as above, but less calcified & sandy and much more foss.

Base of Tampa?

325-330 Limestone, as above.

330-335 Limestone, yellowish gray (5Y 7/1), very calcified giving a very finely granular appearance under microscope. Small amount of very fine sand size ~~gt~~ to silt size ~~gt~~ grain. Very Foss.

335-340 Limestone, as above.

341-345 Limestone, as above.

345-349 Limestone, as above.