

Depth	Stratigraphic Units					Rock Color	Lithology Rock Column	Sedimentary Structures	Fossils	Remarks
	Members	Formations	Subgroup	Group	System					
425	Hutchinson Salt	Wilmington								2.58 Clay shale magnesian medium-gray has lighter gray laminae of siltstone and
0.33 Halite rock										
0.25 Clay shale magnesian										
0.42 Clay shale magnesian										
0.25 Clay shale magnesian										
1.25 Anhydrite rock										
0.58 Halite rock very light gray										
4.17 Clay shale magnesian dark-blue-gray contains subhedral crystals of halite and small nodules of anhydrite (Halite 20 percent.)										
1.0 Halite rock argillaceous										
7.0 Halite rock anhydritic light-gray and amber-colored in layers ranging from 1 to 10 in. in thickness moderately coarse grained (1/4-1/2 in.) contains a layer of medium-gray clay shale one-half inch thick 6 in. below top of unit. (Halite 95-96 percent.)										
1.25 Clay shale magnesian										
7.17 Halite rock argillaceous and anhydritic very light gray has thin, thick of dark-gray clay medium grained (1/4-1/2 in.) but contains scattered patches of recrystallized halite in grains as much as three-fourths inch in diameter. (Halite 95-97 percent.)										
0.17 Anhydrite rock										
0.17 Anhydrite rock										
8.75 Halite rock anhydritic and argillaceous moderately coarse grained (1/4-1/2 in.) markedly banded very light gray to amber-colored and grayish-black light-colored bands contain anhydrite and darker colored halite in clay. Thickness of bands ranges from 2 to 1 in. (Halite 97 percent.)										
0.50 Clay shale magnesian										
0.58 Clay shale magnesian										
0.17 Clay shale magnesian										
0.25 Halite rock anhydritic										
1.92 Anhydrite rock microcrystalline										
3.25 Halite rock polyhalitic and anhydritic white moderately coarse grained (1/4-1/2 in.) has light-amber-colored patches										
0.33 Clay shale magnesian										
0.50 Clay shale magnesian										
3.33 Halite rock argillaceous and sparingly anhydritic light-gray has numerous grayish-black bands as										
0.08 Clay shale magnesian										
0.84 Clay shale magnesian										
0.25 Halite rock										
1.67 Halite rock argillaceous and sparingly										
5.42 Halite rock argillaceous and sparingly anhydritic medium-coarse grained (1/8-1/4 in.) light-gray and amber-colored has numerous grayish-black										
0.42 Anhydrite rock										
1.08 Clay shale magnesian										
5.42 Halite rock argillaceous and polyhalitic moderately coarse grained (1/4-1/2 in.) but contains patches of recrystallized halite grains as much as 1 in. across very light gray to light										
1.00 Halite rock										
2.17 Halite rock argillaceous medium-grained (
2.0 Magnesite rock silty medium-brownish-gray to										
1.50 Halite rock argillaceous and anhydritic										
8.0 Halite rock argillaceous and sparingly anhydritic medium-coarse grained (1/4-1/2 in.) white and very light gray has grayish-black bands ranging from 1 to 4 in. in thickness and spaced from 6 to 8 in. apart. (Halite 95-97 percent.)										
1.0 Clay shale magnesian										
0.33 Halite rock										
2.75 Halite rock argillaceous and sparingly anhydritic coarse grained										
0.17 Clay shale magnesian										
0.17 Clay shale magnesian										
0.25 Clay shale magnesian										
0.50 Anhydrite rock										
2.66 Magnesite rock silty macrocrystalline brownish-gray contains some fairly large										
0.25 Anhydrite rock										
6.25 Halite rock argillaceous and sparingly anhydritic moderately coarse grained (1/4-1/2 in.) very light gray has sharply defined grayish-black bands ranging from 1 to 6 in. in thickness and 4 to 8 in. apart. (Halite 95-97 percent.)										
1.25 Clay shale magnesian										
2.58 Halite rock argillaceous and sparingly anhydritic medium-										
0.17 Clay shale magnesian										
0.25 Clay shale magnesian										
0.18 Clay shale magnesian										
0.58 Anhydrite rock halitic										
0.25 Clay shale magnesian										
0.18 Clay shale magnesian										
0.50 Clay shale magnesian										
2.92 Halite rock argillaceous and sparingly anhydritic medium-grained (1/8-1/4 in.) has patches of										
0.08 Clay shale magnesian										
0.17 Anhydrite rock										
0.17 Clay shale magnesian										
9.75 Halite rock argillaceous and anhydritic medium-coarse grained to moderately coarse grained (1/8-1/2 in.) white light-gray and buff-colored has grayish-black bands averaging one-fourth inch thick and from 1/2 to 4 in. apart. (Halite 95-97 percent.)										
4.33 Halite rock anhydritic coarse-grained (1/2-1 1/2 in.) white and buff-colored. (Halite 98 percent.)										
2.75 Halite rock anhydritic medium-grained (1/4-1/2 in.) buff-colored to white. (Halite 95-97 percent.)										
0.58 Anhydrite rock very										
0.08 Clay shale dolomitic										
0.08 Shale dolomitic silty										
0.17 Halite rock										
0.84 Halite rock										
0.25 Anhydrite rock										
0.08 Clay shale magnesian										
8.92 Halite rock anhydritic and argillaceous coarse grained (1/2-1 1/2 in.) and for the most part recrystallized white to very light gray has a few narrow widely separated grayish-black bands. (Halite 97 percent.)										
0.92 Clay shale dolomitic										
5.08 Halite rock anhydritic and sparingly argillaceous moderately coarse grained (1/4-3/4 in.) white has light-gray mottling in places. (Halite 95-97 percent.)										
2.50 Halite rock anhydritic medium-grained (1/4-1 in.) buff-colored to										
0.33 Anhydrite rock										
0.42 Clay shale dolomitic										
1.33 Dolomite rock										
0.50 Anhydrite rock										
2.42 Halite rock anhydritic and argillaceous medium-grained (1/8-1/4 in.) has patches of										
0.33 Anhydrite rock										
0.17 Magnesite rock										
0.58 Anhydrite rock										
1.58 Halite rock argillaceous and sparingly										
1.17 Clay shale dolomitic										
0.17 Anhydrite rock										
0.33 Anhydrite rock										
0.50 Anhydrite rock										
3.50 Dolomite rock silty macrocrystalline soft earthy medium-light-gray contains small patches of halite and										
2.08 Anhydrite rock macrocrystalline light-gray										
0.50 Anhydrite rock										
2.67 Clay shale silty medium-gray dolomite rock										
4.0 Anhydrite rock macrocrystalline light-gray has silty laminae of dark-gray dolomite rock at a depth of 726 ft. contains a 6-in. layer in										
1.84 Clay shale dolomitic dark-gray has medium gray										
1.42 Anhydrite rock										
0.58 Anhydrite rock										
1.42 Clay shale dolomitic										

Primary Rock Lithology

- Clay, Claystone
- Shale
- Dolomite
- Anhydrite
- Salt, Halite, haliferous

Secondary Rock Lithology

- Clayey, Argillaceous, clay
- Shaly, shale
- Silty, Silt
- Pyritic, pyrite
- fossiliferous
- Dolomitic
- Anhydritic, anhydrite
- Haliferous, salt, halite

Fossils

- Fresh Water (F)
- Brackish Water (B)
- Marine (M)
- (F) Few
- (M) Many
- (B) Broken
- ☉ - Macrofossils
- ☉ - Pelecypods

Sedimentary Structure Symbols

Depositional Structures

- Lamination
- Parallel Laminations
- Stratification
- Horizontal bedding

Deformational Structures

- Flame structure
- Load casts
- Drag folds (sedimentary)
- Nodules
- Pseudomorphs

Erosional Structures

- Convex Top and Flat Bottom

Palaeozoic
 Permian
 Cherokee
 Sumner