

# PCS Mine Stratigraphy

Depth in Feet	Composition	Geological Formation	Geologic Period
+10	Weathered zone sand, silt and clay	Post Croatan	Recent
0	<b>Sea Level</b>		
-10			
-20		—	
-30	Shell bed	Croatan	Pleistocene
-40	Cemented clayey sand	—	2 Million years ago to recent
-50			
-60	Fossiliferous Sandy clay	Yorktown	Pliocene
-70			2-5 Million years ago
-80	Phosphatic clayey sand		
-90	Shelly dolomite (coquina bed)	Unconformmity	Upper Miocene Age
-100	Shelly phosphatic sand		Section missing by erosion
-110			5-15 Million years ago
-120	Ore Zone	Pungo River	Miocene
-130			15-24 Million years ago
-140	Dolomitic zone		
-150	Phosphatic sandy clay (lean ore)	—	
-160	Hard sandy limestone (aquifer)	Castle Hayne (aquifer)	Eocene
-170			34-55 Million years ago
-180			
-190			
-200			