lilimestane with 30% parosity with change in majer taple gobby trom 9m to 50 m 1) change in density trom saturated to un saturales Best = f(1-Ve) + St Vf using limestone &= 2200 Kg/m3 Junsat = 2200(1-,3) = 1540 kg/m3 Bsat = 2200(1-,3) +1000(.3) = 1840 kg/m3 There is a 300 kg/m³ change in density. 2) change in gravity from dry to wet season Using an infinite horizontal slab slab with a thickness of 18m for the change in water table 9= 2TG DBh = 2.26 x10 m/s2 And DB = 300kg/m3 so the change in gravity due to an 19m vise in water Luble with a 300kg/m³ increase in density is draund 0.226 m (5al. d. The plot of changing density with P-wave Velocity by the Drake-Nate carre for a basin with increasing Wave relocity with depth shows a change in density from 1.635 g/cm² at the surface to 1.782 g/cm at 5km depth. This makes sense ds material tends to be more dense with increasing 3. The Density given from the livear fit to the plot of the X and Y equations is around also kg/m.