

Waite Concrete Products, LLC  
Anti-buoyancy: 1500 Gallon Tank  
Minimum Cover-18"

The following is a list of methods that may be used, as additional precautions, to insure tank submergence in area with high ground water.

1. Require a minimum cover of 18" where there is high groundwater.
2. After setting the tank, pour an additional thickness of concrete over the tank top 3" minimum extending a minimum of 12" beyond the sides of the tank.
3. Concrete buoyancy blocks secured with stainless steel cables placed over tank.

Calculations in feet:	Tank:	Cover:
Length	10	10
Width	6.25	6.25
Height	5.50	1.50
Volume	232.03	63.28
Water Weight	21485	
Tank Weight	13,600	
Weight to Balance (lb)	6959	
Weight to Cover (lb)	7023	

Density:

62.43 Water (lb/ft3)  
1.35 Soil Factor (typical bulk density)  
84.28 Soil (lb/ft3)  
2.21 Concrete Factor  
8.24 Concrete (lb/ft3)