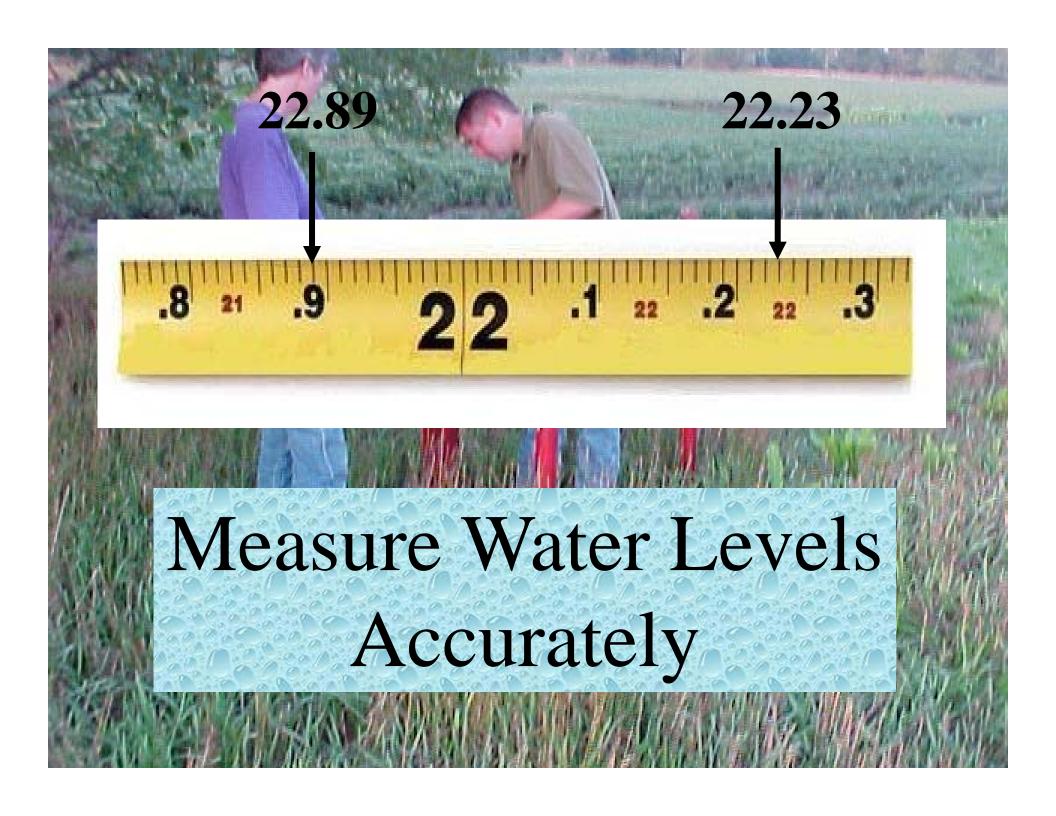
## Groundwater Monitoring and Protocols

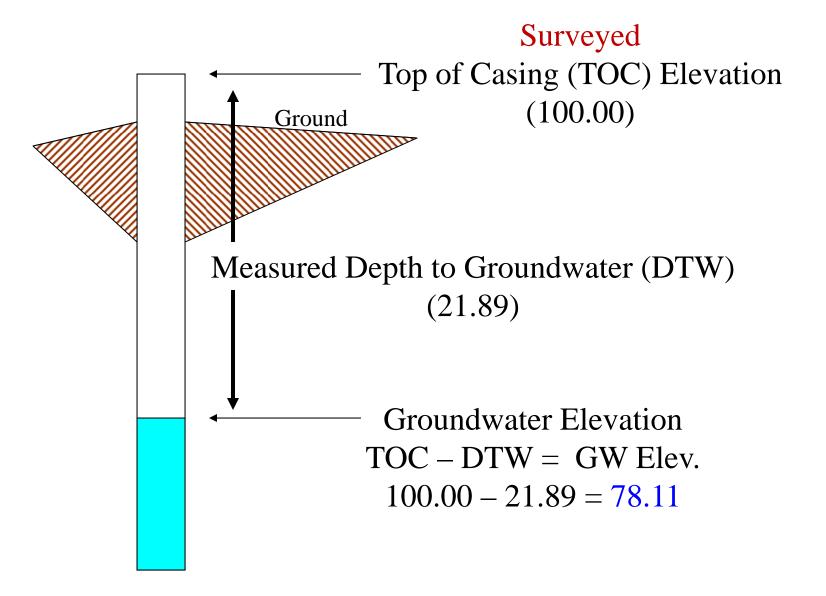




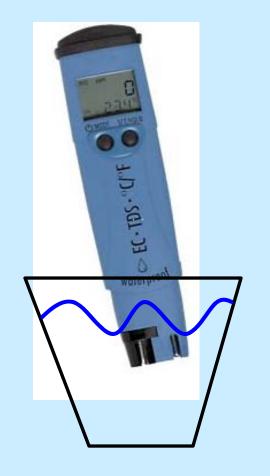




## Converting water level to water elevation



## Collecting Field Parameters



**Stabilized** – 2 consecutive readings within 10% of each other (pH, conductivity, temp.).

#### **Example**

Temperature =  $12^{\circ}$  C

Calculate 10%  $12 \div 10 =$ **1.2** 

Calculate range 12 - 1.2 = 10.8

12 + 1.2 = 13.2

Next 2 temperatures should fall between

**10.8** and **13.2** 

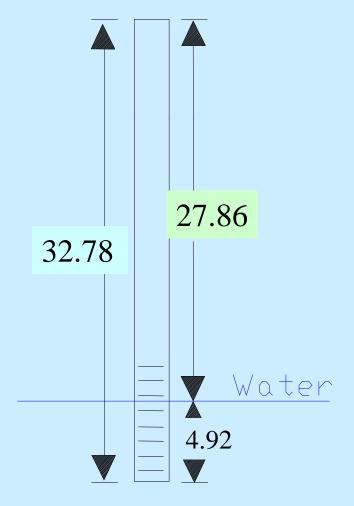
in order to be stabilized

Must be done for low flow and purging methods



# Calculating Well Volume

$$32.78 - 27.86 = 4.92$$



### 2-inch diameter well casing

4.92 ft x 0.17 gal/ft = 0.8 gals

0.8 gals x 3 = 2.4 gals

0.8 gals x 5 = 4.0 gals

Volume of Schedule 40 PVC Pipe	
Pipe Diameter	Gallon/Linear Foot
2-inch	0.17
4-inch	0.66
6-inch	1.5
8-inch	2.6



- •Long Screens
- •Large Dia. Casing
- •Discrete Sample

11.29.2011





