CRS Water Benefit Calculator Data Collection Form

General Information

Date: _____

Name: _____

Kebele:_____

Hillside Data

Latitude:_____

Longitude:_____

Soil Texture[1]:_____

Bulk Density (g/m^3):_____

Soil Depth (cm)[2]:_____

Plot Data

Name:_____

Slope (%):_____

Width (m):_____

Length (m):_____

Residue[3]:_____

Optional Inputs

*Infitration Rate (mm/hr):*_____

*Soil Organic Matter (%):*_____

Notes:

Plot Configuration[4] (circle one): Existing / Future Scenario

Cell Length (m)

Transect 1		Transect 2		Transect 3		Transect 4		Transect 5		Transect 6	
T1 Width(m):_____		T2 Width(m):_____		T3 Width(m):_____		T4 Width(m):_____		T5 Width(m):_____		T6 Width(m):_____	
C1 (m)____		C1 (m)____		C1 (m)____		C1 (m)____		C1 (m)____		C1 (m)____	
C2 (m):___		C2 (m):___		C2 (m):___		C2 (m):___		C2 (m):___		C2 (m):___	
C3 (m):___		C3 (m):___		C3 (m):___		C3 (m):___		C3 (m):___		C3 (m):___	
C4 (m):___		C4 (m):___		C4 (m):___		C4 (m):___		C4 (m):___		C4 (m):___	
C5 (m):___		C5 (m):___		C5 (m):___		C5 (m):___		C5 (m):___		C5 (m):___	
C6 (m):___		C6 (m):___		C6 (m):___		C6 (m):___		C6 (m):___		C6 (m):___	
C7 (m):___		C7 (m):___		C7 (m):___		C7 (m):___		C7 (m):___		C7 (m):___	
C8 (m):___		C8 (m):___		C8 (m):___		C8 (m):___		C8 (m):___		C8 (m):___	
C9 (m):___		C9 (m):___		C9 (m):___		C9 (m):___		C9 (m):___		C9 (m):___	
C10 (m):___		C10 (m):___		C10 (m):___		C10 (m):___		C10 (m):___		C10 (m):___	
C11 (m):___		C11 (m):___		C11 (m):___		C11 (m):___		C11 (m):___		C11 (m):___	
C12 (m):___		C12 (m):___		C12 (m):___		C12 (m):___		C12 (m):___		C12 (m):___	
C13 (m):___		C13 (m):___		C13 (m):___		C13 (m):___		C13 (m):___		C13 (m):___	
C14 (m):___		C14 (m):___		C14 (m):___		C14 (m):___		C14 (m):___		C14 (m):___	
C15 (m):___		C15 (m):___		C15 (m):___		C15 (m):___		C15 (m):___		C15 (m):___	
C16 (m):___		C16 (m):___		C16 (m):___		C16 (m):___		C16 (m):___		C16 (m):___	

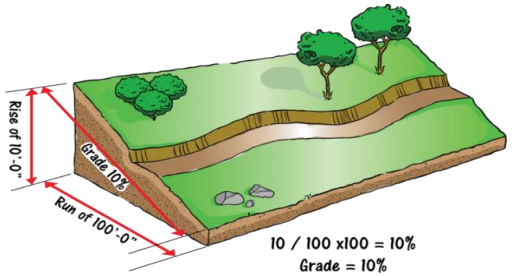
1. USDA Textures: sand, loamy sand, sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay, and clay
2. Soil Depth represents the depth of the soil profile (from the surface to the parent material, bedrock, or the layer of obstacles for roots) that is readily available for storing infiltrated water.
3. Residue is refers to the crop material that is left in a particular area following harvesting of the crop and is classified at low, medium, or high
4. See Land Cover Key on backside of form for filling in Transect Cells

CRS WBC Landuse Codes

These codes are shorthand for filling in transect cells on the WBC Data Collection Form

Bare Soil	BS
Ground Cover (<10%)	GC10
Ground Cover (10-20%)	GC20
Ground Cover (20-30%)	GC30
Ground Cover (30-40%)	GC40
Ground Cover (40-50%)	GC50
Ground Cover (50-60%)	GC60
Ground Cover (60-70%)	GC70
Ground Cover (70-80%)	GC80
Ground Cover (80-90%)	GC90
Ground Cover (90-100%)	GC100
Maize/Sorghum	MS
Small Grain	SG
Chat	CH
Bench+Maize/Sorghum	BMS
Bench+Small Grain	BSG
Bench+Chat	BCH
Trees (young)	TY
Trees (mature)	TM
Microbasin (young)	MY
Microbasin (mature)	MB
Grass Strip	GS
Panting Pit	PP
Level Fanya Juu	FJ
Bund (Rock)	BR
Bund (Grass)	BG
Private (Bare Soil)	PBS
Private (Residue)	PR
Private (Residue+y. crops)	PRYC
Private (Residue+m. crops)	PRMC

Calculate Slope/Grade



A. Bottom of plot elevation: _____

B. Top of plot elevation:_____

C. Distance between elevation points:_____

Slope = (B-A)/C x 100%

Slope:_____