

## IRRIGATION SYSTEM INVENTORY WORKSHEET

LANDOWNER NAME \_\_\_\_\_ DATE \_\_\_\_\_ PREPARED BY \_\_\_\_\_

Field Or Unit \_\_\_\_\_ Area Irrigated \_\_\_\_\_ (Acres)

LOCATION: \_\_\_\_\_ 1/4 Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ County: \_\_\_\_\_

USGS Topographic map attached       Detailed Field Survey/Topographic Map attached       Aerial photo attached

USGS QUAD Name: \_\_\_\_\_ Quarter Quad (NW, NE, SE, SW): \_\_\_\_\_

NEPA Evaluation Completed (Y/N) \_\_\_\_\_ Will a wetland be affected by this irrigation system? (Y/N) \_\_\_\_\_

### Water Supply Inventory

Water source:  Ground Water     Surface Water     Irrigation Canal Company (if applicable):  
 \_\_\_\_\_

Amount of water available: \_\_\_\_\_ ft<sup>3</sup>/sec    \_\_\_\_\_ gpm    \_\_\_\_\_ acre\*in    Seasonal variation or limit \_\_\_\_\_

Is a flow measuring device maintained and used? (Y/N) \_\_\_\_\_ Type \_\_\_\_\_

Water Quality Limitation(s):  
 \_\_\_\_\_

Chemical and/or Biological Water Analysis is attached (Analysis is required for micro Irrigation)

### Soils Data

Soil Series	USDA Surface Textural Class	Available water capacity, AWC (in, Cumulative)					Depth to <sup>1</sup>		Intake Family
		0-1 ft.	1-2 ft.	2-3 ft.	3-4 ft.	4-5 ft.	Inhibiting layer (ft)	Water table (ft)	

<sup>1</sup>  Actual observed depth in the field       From Soil Survey

Uniformity of Slopes:  Constant     Variable      Minimum Slope \_\_\_\_\_%      Maximum Slope \_\_\_\_\_%

### Crop and Irrigation Requirements

Crops	Root zone depth (ft)	Total AWC (in)	Management allowed depletion (%)	Max Net replacement (in)	Peak daily ET (in)	Seasonal Net Irrigation Requirements (in)	
						Normal Year 50% Chance	Dry Year 75% Chance

Crop Rotation: \_\_\_\_\_

Cultivation and other cultural practices: \_\_\_\_\_

Attach printout of Irrigation Water Requirements (IWR) computer program showing Seasonal Net Irrigation Requirements (NIR), or, attach a copy of the *Crop Consumptive Use Curve(s)* as found in Chapter 4 of the National Irrigation Guide, Nebraska Supplement.