

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE

PRELIMINARY ANODE DESIGN

$$I_t = \left\{ \frac{C}{1000} \right\} \times \left\{ \frac{1000}{R_e} \times \text{Area} \right\} = \left\{ \frac{\quad}{1000} \right\} \left\{ \quad \right\} =$$

Anode Bed R = _____ ohm cm Anode Selected _____ K = _____

$$I_o = \frac{K}{\text{Anode Bed R}} = \left(\frac{\quad}{\quad} \right) = \quad \text{Number of anodes} = \frac{I_t}{I_o} = \left(\frac{\quad}{\quad} \right)$$

Anode Life: Zinc $Y = \frac{31 (\text{anode weight})}{I_o} = \frac{31 (\quad)}{(\quad)} =$

Magnesium $Y = \frac{47 (\text{anode weight})}{I_o} = \frac{47 (\quad)}{(\quad)} =$

Anode Bed Location(s) _____

Sketch map showing anode bed location(s):

Remarks: