

WORKSHEET for Spray Irrigation Disposal Capital Costs						
FOR PRELIMINARY LEVEL COSTS ONLY						
	Variable					
ENTER variable values	range	example	case 1	case 2	case 3	case 4
A - flow rate (mgd)	1 to 5	1				
B - loading (ft/yr)	5 to 20	10				
C - land type (see note 1)		2				
D - storage time (days)	1 or 2	1				
E - land unit cost (\$/acre)	0 - 10,000	5000				
DETERMINE land parameters	Action					
F - land requirement (acres)	use A, Figures 11.1 & 11.2	110				
G - land clearing unit cost (\$/acre)	see note below	2000				
FIND costs from figures and calculations	Action					
H - land cost (acres * land unit cost), \$	= F * E	550000				
I - land clearing cost (acres * unit cost), \$	= F * G	220000				
J - piping cost, \$	use F, Figures 11.4 & 11.5	112000				
K - sprinkler, valves, control system cost, \$	use F, Figure 11.6	60000				
L - distribution system material cost, \$	= J + K	172000				
M - installed distribution system cost, \$	= 1.8 * L	309600				
N - pump cost, \$	use A, Figure 11.7	25000				
O - storage tank cost, \$	use A * D, Figure 11.8 & 11.9	230000				
P - underdrain cost, \$	= 1.44 * J	161280				
TOTAL	=H+I+M+N+O+P	1495880				
COMMENTS:	note 1:	clearing costs (\$/acre):	1-brush	1000		
			2-sparingly wooded	2000		
			3-medium wooded	4000		
			4-heavily wooded	7000		