










Project: Scenario 1					
Constraint	Low (0)	Low-Moderate (1)	Moderate (2)	Moderate-High (3)	High (4)
Effluent Quality (A)	Advanced Secondary effluent (with disinfection) and contractual service agreement	Secondary effluent (with disinfection) and contractual service agreement	Secondary treated effluent. No disinfection and/or irregular servicing	Screened primary effluent (WCS or outlet filter fitted)	Primary effluent
Rating	✓				
Slope (B)	0-6% (surface application) 0-10% (subsurface application)	11-15% (subsurface application)	7-10% (surface application) 16-20% (subsurface application)	21-30% (subsurface application)	>10% (surface application) >30% (subsurface application)
Rating	✓				
Application Method (C)	Shallow subsurface application	Subsoil application (zero storage)	Subsoil application (minor storage)	Covered surface application	Surface spray application
Rating	✓				
Flood Potential (D)	Above 1 in 20-year flood contour	--	--	--	Below 1 in 20-year flood contour
Rating	✓				
Geology / Soil (E)	Category 3 and 4 soils, low porosity regolith, deep, uniform soils	Category 2 to 5 soils, low porosity regolith, deep soils	Category 2 to 5 soils, moderate porosity regolith, moderate soil depth	Category 2 to 5 soils, high porosity regolith, shallow soils or fractured rock	Category 1 and 6 soils, fractured rock, gravel aquifers, high porosity regolith
Rating					✓
Direction of Fall (F)	EAA downgradient of surface water body, property boundary, recreational area	EAA downgradient of surface water body, property boundary. Upgradient of recreational area	--	EAA upgradient of surface water body, property boundary. Downgradient of recreational area	EAA upgradient of surface water body, property boundary, recreational area
Rating					✓
Surface Water Pollution Hazard (G)	Category 1 to 3 soils no surface water downgradient within 100m; low rainfall area	Category 1 to 3 soils no surface water downgradient within 50m; low rainfall area	Category 1 to 6 no surface water downgradient within 50m; moderate rainfall area	Category 4 to 6 soils permanent surface water >50m down gradient; moderate rainfall area	Category 4 to 6 soils permanent surface water <50m down gradient; high rainfall; high resource/ environmental value
Rating			✓		
Drainage (H)	Category 1 and 2 soils. No visible signs of seepage or saturation	Free-draining topsoil. Minor mottling noted in subsoils	Mottling noted in subsoil with no signs of surface saturation	Mottled clay subsoil. No visible surface saturation. Low lying area	Low lying area. Visible surface saturation. Moisture tolerant vegetation
Rating	✓				
Groundwater Pollution Hazard (I)	Category 5 and 6 soils, low resource or environmental value	Category 3 and 4 soils, lower resource or environmental value	Category 1 to 4 soils, moderate resource or environmental value	Category 3 and 4 soils, higher resource or environmental value	Category 1 and 2 soils, gravel aquifers, high resource or environmental value
Rating			✓		
Landform (J)	Hill crests, convex side slopes, and plains	--	Concave side slopes and footslopes	--	Drainage plains and incised channels
Rating	✓				
Relative Constraint Contribution	0	0	4	0	8

Site Features	Relevant Constraints		Low Range (m)		High Range (m)	Total Constraint Score	Applicable Buffer (m)	STS EAA downslope	Prim EAA upslope
Property Boundaries	3	A,B,C	1.5		15	0	1.5	1.5	6
Buildings	3	A,B,C	2		6	0	2.0	2	3.4
Path / Walkway	3	B,D,E	1.5		6	4	3.0	3	3
Swimming Pool / Recreational Area / Market Garden	3	A,C,F	3		15	4	7.0	3	11
In-ground Water tanks and Services	2	A,F	3		15	4	9.0	3	13.5
Permanent Surface Water	7	A,B,C,D,F,G,H	50		100	6	60.8	53.6	67.9
Intermittent Waters, Farm Dams, Open Drainages and Depressions	7	A,B,C,D,F,G,H	15		40	6	20.4	16.8	24
Bore / Well	3	A,E,I	15		100	6	57.5	57.5	78.8
Groundwater	6	A,C,E,H,I,J	0.6		1.5	6	0.9	0.9	1
Bedrock / Hardpan	3	A,C,I	0.6		1.5	2	0.8	0.8	1.1