

APPENDIX I

Revised Land Capability Rationale

Table 1
Mottled and Pedaric Brown Sodosol Complex

Test Pit	Class	Primary Limitation	Secondary Limitation	Comment
TP103	6	Subsoils strongly sodic (EAT 1)	Potential salinity hazard, discharge zone	Subsoils highly susceptible to erosion once surface soil disturbed combined with salinity and waterlogging.
TP104	7	Slope 40%	Moderate sodic subsoil	
TP107	6	Slope 25%	Moderate salinity hazard, subsoil mildly sodic	Some rill erosion noted nearby.
TP108	7	Strongly sodic subsoil (EAT of 1)	Slope 15% and moderate salinity hazard	The strongly sodic nature of the subsoil in association with the high slope results in a Class 7. If topsoil is removed gully erosion will result.
TP110	6	Moderate sodic subsoil (EAT of 4)	Slope 10%	The moderate sodic nature of the subsoil with moderate slope results in a Class 6.
TP114	7	Strongly sodic subsoil and salinity hazard	Slopes 18%	Rock outcropping to north and east of location indicators of shallow soil result in class 7 in additional with strongly sodic and saline soil on steep slopes.
TP115	6	Subsoils strongly sodic (EAT 1)	Potentially high salinity, groundwater discharge zone	The strongly sodic nature of the subsoil high salinity potential results in a Class 6.
TP117	6	Slope 15%	Potential subsoil sodicity	Minor sheet erosion noted around location. No subsoil results to determine sodicity.
TP118	7	Slope 25%	Moderate subsoil sodicity	Large cobbles and outcropping rock so reduced capability.
TP120	6	Slope 28%	Moderate sodici subsoils potential	Gully and sheet erosion encountered on slopes around location.
TP121	6	Slope 23% and high subsoil salinity	Sodicity hazard	Minor rill erosion noted around location.

Test Pit	Class	Primary Limitation	Secondary Limitation	Comment
TP122	7	Slope 43%	Sodicity hazard	
TP123	6	Slope 33% and subsoil strongly sodic (EAT of 2)	Potential salinity hazard	Sheet erosion encountered around location.
TP125	6	Strongly sodic subsoil	Slope 13% and salinity hazard	Minor rill erosion encountered at and around location. Sodic soil on steep slopes (10%) results in Class 5 to 6.
TP126	6	Slope 25%	Potential salinity and acidity hazard	Heavily vegetated with no evidence of recent grazing.
TP127	6	Saline subsoil and strongly sodic subsoil	Slope 13%	Subsoils highly susceptible to erosion in conjunction with steep slopes results in Class 5 to 6.
TP130	6	Slope 30% and strongly sodic subsoil (EAT of 2)	Potential salinity and acidity hazard	Gully and sheet erosion encountered to north of location.
TPA2	5	Slope 10% with field indicators of dispersive soil	Potential salinity	Sheet erosion and gully erosion noted indications of sodic subsoil on slopes >10%.

Table 2
Pedlaric Brown Dermosol Complex

Test Pit	Class	Primary Limitation	Secondary Limitation	Comment
TP102	4	Slope 13%	Potential salinity and sodic hazard	Moderate erosion encountered around location particularly along drainage channels.
TP105	6	Slope 30%	Soil acidification hazard	Some evidence of slumping and surface erosion at location.
TP113	6	Slope 20%	Potential salinity and sodic hazard	
TP128	7	Slope 45%	Potential salinity and soil acidification hazard	
TP129	6	Strongly sodic and soil saline	Slope 15%	The strongly sodic nature of the subsoil in slope >10% results in a Class 6. If topsoil is removed gully erosion will result.
TPA8	6	Slope 25%	Potential salinity hazard	

Table 3
Brown Vertosol Complex

Test Pit	Class	Primary Limitation	Secondary Limitation	Comment
TP106	3	Slope 5%	Potential salinity hazard	
TP109	6	Strongly sodic subsoil and salinity hazard	Slope <5%	Potential groundwater discharge zone, near break of slope.
TP112	4	Slope 10%	Potential salinity hazard	
TP119	6	Slope 23%	Potential salinity and acidification hazard	
TPA1	5	Discharge and near break of slope and field indication dispersive soil	Potential salinity hazard	Potential groundwater discharge zone, near break of slope.
TPA3	5	Slope 15% with field indication of dispersive soil	Class 3 salinity hazard	
TP A4	4	Salinity hazard	Field indicators of dispersion	Potential groundwater discharge zone with potential sodic subsoil.
TP A6	5	Slope 10% with soil erosion noted	Potential salinity	
TP A9	4	Potential Salinity hazard	Field indication and soil dispersion	Groundwater discharge zone with potential sodic subsoil.

Table 4
Brown Vertosol Complex

Test Pit	Class	Primary Limitation	Secondary Limitation	Comment
TP 111	7	Strongly sodic subsoil (EAT of 2)	Slope 23%	The strongly sodic nature of the subsoil in association with the high slope results in a Class 7. If topsoil is removed gully erosion will result.
TP 116	6	Slope 25%	Potential salinity hazard	
TP 124	6	Slope 30%	Potential salinity and acidification hazard	
TP 131	8	Slope 60%	Potential salinity hazard	