

LAND CONDITION ASSESSMENT

Smoky Creek Solar Farm

Appendix B



Client: RPS Australia East Pty Ltd


Range Environmental Consultants
266 Margaret Street
Toowoomba Q 4350
T 07 4620 0148
E admin@rangeenviro.com.au


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Appendix B: Land Degradation Features (Dunn Property)


Erosion feature I.D	Description		Photograph
D_EF_1	Type of erosion feature	Gully	
	Lease Area	E	
	Landform	Simple slope	
	Location	Downgradient of Dam7	
	Soil Type (Muller, 2008)	Earlsfield	
	ALC (Thompson)	Class A	
	Soil Condition:	Cracking clay soils	
	Gully head coordinate	Latitude: -24.043813 Longitude: 150.405252	
	Maximum gully depth (m)	1.6	
	Maximum width (m)	11	
	Length (m)	170	
	Description	Contributing causes include concentrated flow from upgradient dam and limited groundcover.	
D_EF_4	Type of erosion feature	Erosion of bank of watercourse	
	Lease Area	E	
	Landform	Watercourse	
	Location	Northern bank	
	Soil Type (Muller, 2008)	Earlsfield	
	ALC (Thompson)	Class A	
	Soil Condition:	Cracking clay soils	
	Start of feature coordinate	Latitude: -24.043743 Longitude: 150.406647	
	Maximum depth (m)	1.3	
	Maximum width (m)	Not applicable	
	Length (m)	45	


Erosion feature I.D	Description	Photograph
	<p>Description</p> <p>Contributing factors to the erosion of the northern bank of a watercourse include unstable ground surface condition and sidewall (low groundcover).</p>	
D_EF_3	Type of erosion feature	Anthropogenic
	Lease Area	E
	Landform	Crest
	Location	Downgradient of cattle yards
	Soil Type (Muller, 2008)	Kokotungo
	ALC (Thompson)	ALC C
	Soil Condition:	Texture contrast soils, sodic subsoil and shallow topsoil.
	Top of feature coordinate	Latitude: -24.0407578 Longitude: 150.408544
	Maximum depth (m)	2 m at cutting for vehicle access
	Maximum width (m)	90
	Length (m)	120


Erosion feature I.D	Description	Photograph
	<div> <div>Description</div> <div>Unstable sidewalls and limited upgradient groundcover.</div> </div>	
D_Rill_1	Type of erosion feature	Rill
	Lease Area	E
	Landform	Simple slope
	Location	Formed from cattle track
	Soil Type (Muller, 2008)	Annandale
	ALC (Thompson)	Class A
	Soil Condition:	Cracking clay soils
	Rill head coordinate	Latitude: -24.047835 Longitude: 150.418234
	Maximum depth (m)	0.4
	Maximum width (m)	3
	Length (m)	310


Erosion feature I.D	Description		Photograph
	Description	Rill erosion with head formed at cattle track. Gently inclined sidewalls.	
D_DF_1	Type of erosion feature	Erosion of bank of watercourse	
	Lease Area	E	
	Landform	Watercourse	
	Location	Banks	
	Soil Type (Muller, 2008)	Earlsfield & Annandale	
	ALC (Thompson)	Class A	
	Soil Condition:	Cracking clay soils	
	Start of feature coordinate	Latitude: -24.048862 Longitude: 150.415501	
	Maximum depth (m)	1.5	
	Maximum width (m)	8	
	Length (m)	935	
	Description	Contributing factors to the erosion of some banks of the watercourse	


Erosion feature I.D	Description		Photograph
		include unstable ground surface conditions and sidewalls (low groundcover). Evidence of lateral bank erosion at some locations.	
D_EF_7	Type of erosion feature	Extensive erosion	
	Lease Area	F	
	Landform	Watercourse and lower slope	
	Location	North of Dodson Road surrounding Dam9	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	ALC A	
	Soil Condition:	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Start of feature coordinate	Latitude: -24.05323 Longitude: 150.424797 Note: Start of feature at Dodson Road	
	Maximum depth (m)	2.5	
	Maximum width (m)	280	
	Length (m)	290	
	Description	Contributing causes include concentrated flow from upgradient watercourses and dams, groundcover and dispersive subsoils.	
D_DF_3	Type of erosion feature	Gully & watercourse	
	Lease Area	E & F	


Erosion feature I.D		Description	Photograph
	Landform	Watercourse and lower slope	
	Location	Downgradient of Dam9	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	ALC A	
	Soil Condition:	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Head of gully coordinate	Latitude: -24.0484 Longitude: 150.425296	
	Maximum depth (m)	Range from <0.5->2	
	Maximum width (m)	50	
	Length (km)	1.56	
	Description	Contributing causes include concentrated flow from upgradient watercourses and dams, groundcover and dispersive subsoils. Unstable sidewalls and limited upgradient groundcover. Evidence of lateral bank erosion at some locations.	
D_DF_6	Type of erosion feature	Erosion of banks of watercourse & rill	
	Lease Area	G2	
	Landform	Watercourse & lower slope	
	Location	Gully erosion formed at upgradient property east of the site and extended onto the site.	
	Soil Type (Muller, 2008)	Clancy	

Erosion feature I.D	Description		Photograph
	ALC (Thompson)	Class A	
	Soil Condition:	Cracking clay soils	
	Top of feature coordinate	Latitude: -24.043093 Longitude: 150.437625	
	Maximum depth (m)	1	
	Maximum width (m)	8	
	Length (m)	230	
	Description	Contributing factors to the erosion of some banks of the watercourse include low groundcover and cattle traffic.	
D_Gully_3	Type of erosion feature	Gully	
	Lease Area	G2	
	Landform	Watercourse & lower slope	
	Location	Gully erosion formed at downgradient extent of Dam10	
	Soil Type (Muller, 2008)	Clancy	
	ALC (Thompson)	Class A	
	Soil Condition:	Cracking clay soils	
	Gully head coordinate	Latitude: -24.04213 Longitude: 150.43515	
	Maximum gully depth (m)	1.5	
	Maximum width (m)	10	

Erosion feature I.D		Description	Photograph
	Length (m)	135	
	Description	Contributing factors to the erosion include low groundcover, concentrated flow from the dam and cattle traffic.	
D_DF_4	Type of erosion feature	Erosion of banks of watercourse	
	Lease Area	G2	
	Landform	Watercourse, upper to lower slopes	
	Location	Gully erosion formed at upgradient property north of the site and extended onto the site.	
	Soil Type (Muller, 2008)	Santo	
	ALC (Thompson)	Class C	
	Soil Condition:	Friable non-cracking clay or clay loam soils	
	Start of feature coordinate	Latitude: -24.038453 Longitude: 150.435185	


Erosion feature I.D		Description	Photograph
	Maximum depth (m)	1	
	Maximum width (m)	14	
	Length (m)	450	
	Description	Contributing factors to the erosion included low groundcover and steep slope. Unstable sidewalls and limited upgradient groundcover.	
D_EF_5	Type of erosion feature	Gully	
	Lease Area	G2	
	Landform	Upper slopes and crest	
	Location	Lateral bank erosion from watercourse.	
	Soil Type (Muller, 2008)	Santo	
	ALC (Thompson)	Class C	
	Soil Condition:	Friable non-cracking clay or clay loam soils	
	Head of gully coordinate	Latitude: -24.038453 Longitude: 150.435185	
	Maximum depth (m)	3	
	Maximum width (m)	20	
	Length (m)	140	


Erosion feature I.D	Description	Photograph
	<p>Description</p> <p>Contributing factors to the erosion included low groundcover, steep slope and sodic subsoils. Unstable sidewalls and limited upgradient groundcover.</p>	
D_DF_2	Type of erosion feature	Erosion of banks of watercourse
	Lease Area	G2
	Landform	Watercourse and lower slopes.
	Location	Erosion formed from watercourse originating upgradient property north of the site and extended onto the site.
	Soil Type (Muller, 2008)	Kokotungo
	ALC (Thompson)	ALC A
	Soil Condition:	Texture contrast soils, sodic subsoil and shallow topsoil.


Erosion feature I.D	Description	Photograph
	Top of feature coordinate	Latitude: -24.036238 Longitude: 150.421
	Maximum depth (m)	3
	Maximum width (m)	16
	Length (m)	450
	Description	Contributing factors to the erosion included low groundcover, steep slope and sodic subsoils. Unstable sidewalls and limited upgradient groundcover.
		





Appendix C: Land Degradation Features (Fenech Property)


Erosion feature I.D	Description		Photograph
F_Rill_1	Type of erosion feature	Rill	
	Lease Area	C	
	Landform	Lower slope	
	Location	Adjoining Dodsons Road	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class C	
	Soil Condition:	Friable non-cracking clay or clay loam soils	
	Rill head coordinate	Latitude: -24.044339 Longitude: 150.400246	
	Maximum depth (m)	0.5	
	Maximum width (m)	30	
	Length (m)	110	
	Description	Contributing factors to the erosion included low groundcover and cattle traffic.	
F_EF_1	Type of erosion feature	Erosion of banks of watercourse and lateral bank erosion and gullies.	
	Lease Area	G2	
	Landform	Watercourse	
	Location	Watercourse from property to the east across Dodsons Road	
	Soil Type (Muller, 2008)	Kokotungo & Kokotungo-Greycliffe complex	
	ALC (Thompson)	Class A & C	
	Soil Condition:	Friable non-cracking clay or clay loam soils and cracking clay soils.	
	Top of feature coordinate	Latitude: -24.043596 Longitude: 150.401046	



Erosion feature I.D	Description		Photograph
	Maximum depth (m)	1.5	
	Maximum width (m)	14	
	Length (m)	2.1 km	
	Description	<p>Contributing factors to the erosion included low groundcover, concentrated flow from dams, including upgradient, cattle traffic and sodic subsoils at some locations.</p> <p>Unstable head and sidewalls and limited upgradient groundcover.</p>	


Erosion feature I.D	Description		Photograph
F_EF_3	Type of erosion feature	Gully	
	Lease Area	C	
	Landform	Lower slope	
	Location	Adjoining Dodsons Road	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class C	
	Soil Condition:	Friable non-cracking clay or clay loam soils	
	Head of gully coordinate	Latitude: -24.041294 Longitude: 150.399831	
	Maximum depth (m)	0.6	
	Maximum width (m)	8	
	Length (m)	20	
	Description	Contributing factors to the erosion included low groundcover and sodic subsoils. Unstable head and sidewalls and limited upgradient groundcover.	
F_Gully_3	Type of erosion feature	Gully	
	Lease Area	C	
	Landform	Simple slope	
	Location	Adjoining Dodsons Road	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition:	Friable non-cracking clay or clay loam soils	
	Head of gully coordinate	Latitude: -24.034123 Longitude: 150.382404	
	Maximum depth (m)	0.6	
	Maximum width (m)	6	
	Length (m)	40	


Erosion feature I.D	Description		Photograph
	Description	Contributing factors to the erosion included low groundcover and concentrated flow from upgradient dam.	
F_Gully_1	Type of erosion feature	Gully	
	Lease Area	C	
	Landform	Simple slope	
	Location	Upgradient of dams	
	Soil Type (Muller, 2008)	Greycliffe (including Melonhole Phase)	
	ALC (Thompson)	ALC C	
	Soil Condition:	Cracking clay soils	
	Head of gully coordinate	Latitude: -24.034631 Longitude: 150.378544	
	Maximum depth (m)	0.6	
	Maximum width (m)	10	
	Length (m)	20	

Erosion feature I.D	Description		Photograph
	Description	Contributing factors to the erosion included low groundcover and cattle traffic.	
F_Gully_2	Type of erosion feature	Gully	
	Lease Area	C	
	Landform	Simple slope	
	Location	Upgradient of dams	
	Soil Type (Muller, 2008)	Greycliffe (including Melonhole Phase)	
	ALC (Thompson)	ALC C	
	Soil Condition:	Cracking clay soils	
	Head of gully coordinate	Latitude: -24.035096 Longitude: 150.3784	
	Maximum depth (m)	1	
	Maximum width (m)	6	
	Length (m)	10	

Erosion feature I.D	Description		Photograph
	Description	Contributing factors to the erosion included low groundcover and cattle traffic. Unstable head and sidewalls and limited upgradient groundcover.	
F_DF_2	Type of erosion feature	Erosion of banks of watercourse and lateral bank erosion and gullies	
	Lease Area	D2	
	Landform	Watercourse and lower slopes.	
	Location	Watercourse from the western portion of the property	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	ALC C	
	Soil Condition:	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Top of feature coordinate	Latitude: -24.026443 Longitude: 150.390647	


Erosion feature I.D	Description		Photograph
	Maximum depth (m)	0.3	
	Maximum width (m)	2	
	Length (m)	80	
	Description	Contributing factors to the erosion included low groundcover, sodic subsoils and cattle tracking.	
F_DF_1	Type of erosion feature	Erosion of banks of watercourse and lateral bank erosion	
	Lease Area	D1 & D2	
	Landform	Watercourse and lower slopes.	
	Location	Erosion formed from watercourse originating upgradient property to the east across Dodsons Road.	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	ALC C	
	Soil Condition:	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Top of feature coordinate	Latitude: --24.030501 Longitude: 150.402416 Head of secondary watercourse Latitude: --24.033482 Longitude: 150.399922	


Erosion feature I.D		Description	Photograph
F_Gully_4	Maximum depth (m)	0.5-2	
	Maximum width (m)	5-15	
	Length (km)	1.8	
	Description	Contributing factors to the erosion included low groundcover, cattle tracking and sodic subsoils. Unstable head and sidewalls (including of banks) and limited upgradient groundcover.	
	Type of erosion feature	Gully	
	Lease Area	D2	
	Landform	Upper slope	
	Location	East of Dodsons Road	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	ALC C	
	Soil Condition:	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Gully head coordinate	Latitude: --24.028504 Longitude: 150.401092	
	Maximum depth (m)	1.2	
	Maximum width (m)	3	
	Length (m)	175	
	Description	Contributing factors to the erosion included contour banks and sodic subsoils. Unstable head and sidewalls (including of banks) and limited upgradient groundcover. Secondary gullies formed.	


Erosion feature I.D	Description	Photograph
		






Appendix D: Land Degradation Features (Maynard Property)


Erosion feature I.D	Description		Photograph
M_Gully_1	Type of erosion feature	Gully	
	Lease Area	A	
	Landform	Plain	
	Location	North of Dam17	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Gully head coordinate	Latitude: -24.067906 Longitude: 150.377679	
	Maximum depth (m)	0.5	
	Maximum width (m)	10	
	Length (m)	120	
	Description	Contributing factors to the erosion included contour banks and sodic subsoils. Unstable head and sidewalls (including of banks) and limited upgradient groundcover.	
M_Gully_2	Type of erosion feature	Gully	
	Lease Area	A	
	Landform	Plain	
	Location	Upgradient of Dam18	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	


Erosion feature I.D	Description		Photograph
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Gully head coordinate	Latitude: -24.06052 Longitude: 150.387346	
	Maximum depth (m)	1.5	
	Maximum width (m)	18	
	Length (m)	460	
	Description	<p>Contributing factors to the erosion included contour banks and sodic subsoils.</p> <p>Unstable head and sidewalls (including of banks) and limited upgradient groundcover.</p> <p>Secondary gullies formed along contour banks.</p> <p>Gully includes several secondary heads.</p>	



Erosion feature I.D		Description	Photograph
M_Gully_3	Type of erosion feature	Gully	
	Lease Area	A	
	Landform	Open depression	
	Location	Upgradient of Dam18	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	


Erosion feature I.D	Description		Photograph
	Gully head coordinate	Latitude: -24.06088 Longitude: 150.388281	
	Maximum depth (m)	0.5	
	Maximum width (m)	8	
	Length (m)	80	
	Description	Contributing factors to the erosion included contour banks and sodic subsoils.	
M_Gully_4	Type of erosion feature	Gully	
	Lease Area	A	
	Landform	Lower slope	
	Location	Upgradient of Dam18	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Gully head coordinate	Latitude: -24.059453 Longitude: 150.382186	
	Maximum depth (m)	1	
	Maximum width (m)	6	


Erosion feature I.D		Description	Photograph
M_Gully_5	Length (m)	25	
	Description	Contributing factors to the erosion included contour banks and sodic subsoils. Unstable head and sidewalls (including of banks) and limited upgradient groundcover.	
	Type of erosion feature	Gully	
	Lease Area	A	
	Landform	Plain	
	Location	Upgradient of Dam18	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Gully head coordinate	Latitude: -24.059343 Longitude: 150.380686	
	Maximum depth (m)	0.5	
	Maximum width (m)	5	
	Length (m)	20	
	Description	Contributing factors to the erosion included contour banks and sodic subsoils. Unstable head and sidewalls (including of banks) and limited upgradient groundcover.	
M_Gully_6	Type of erosion feature	Gully	
	Lease Area	A	
	Landform	Simple slope	


Erosion feature I.D	Description		Photograph
	Location	Downgradient of Dam18	
	Soil Type (Muller, 2008)	Gleycliffe, melonhole phase	
	ALC (Thompson)	Class C	
	Soil Condition	Texture contrast soils, sodic subsoil.	
	Gully head coordinate	Latitude: -24.058761 Longitude: 150.37833	
	Maximum depth (m)	1	
	Maximum width (m)	8	
	Length (m)	70	
	Description	Contributing factors to the erosion included low groundcover and sodic subsoils. Unstable head and sidewalls (including of banks) and limited upgradient groundcover.	
M_EF_1	Type of erosion feature	Gully	
	Lease Area	A	
	Landform	Simple slope	
	Location	Upgradient of drainage feature	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	


Erosion feature I.D	Description		Photograph
	Gully head coordinate	Latitude: 24.065114 Longitude: 150.391657	
	Maximum depth (m)	0.5	
	Maximum width (m)	5	
	Length (m)	48	
	Description	Contributing factors to the erosion included low groundcover, steep slope and sodic subsoils.	
M_Sheet_2	Type of erosion feature	Sheet erosion	
	Lease Area	A	
	Landform	Crest	
	Location	Upgradient of Dam14	
	Soil Type (Muller, 2008)	Spier & Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	


Erosion feature I.D	Description		Photograph
	Top of sheet coordinate	Latitude: -24.064506 Longitude: 150.389563	
	Maximum depth (m)	NA	
	Maximum width (m)	110 (north to south)	
	Length (m)	190 (east to west)	
	Description	Contributing factors to the sheet erosion include unstable ground surface condition, low groundcover and cattle tracking.	
M_Sheet_3	Type of erosion feature	Sheet	
	Lease Area	A	
	Landform	Simple slope	
	Location	Upgradient of Dam14 and drainage feature (M_DF_1)	
	Soil Type (Muller, 2008)	Spier	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Top of sheet coordinate	Latitude: -24.069642 Longitude: 150.38928	
	Maximum depth (m)	NA	


Erosion feature I.D	Description		Photograph
M_DF_1	Maximum width (m)	180 (east to west)	
	Length (m)	290 (north to south)	
	Description	Contributing factors to the sheet erosion include unstable ground surface condition, low groundcover and cattle tracking.	
	Type of erosion feature	Erosion of banks of watercourse and lateral bank erosion and gullies.	
	Lease Area	A	
	Landform	Watercourse	
	Location	Erosion of banks of watercourse	
	Soil Type (Muller, 2008)	Spier & Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Start of feature coordinate	Latitude: -24.068399 Longitude: 150.392243 Note: start of feature at eastern lease boundary	
	Maximum depth (m)	6	
	Maximum width (m)	90	
	Length (km)	1.8	
	Description	Contributing factors to the erosion included low groundcover, concentrated flow, cattle traffic, shallow topsoil and sodic subsoils. Unstable head and sidewalls and limited upgradient groundcover causing lateral bank erosion.	


Erosion feature I.D	Description	Photograph
	Significant gully erosion adjoining dam.	


Erosion feature I.D	Description		Photograph
			
M_DF_2	Type of erosion feature	Sheet	
	Lease Area	A	
	Landform	Open depression adjoining watercourse	
	Location	East of drainage feature	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Top of feature coordinate	Latitude: -24.070707 Longitude: 150.384056	


Erosion feature I.D	Description		Photograph
		Note: top of feature measured on northern head	
	Maximum depth (m)	NA	
	Maximum width (m)	65	
	Length (m)	395	
	Description	Contributing factors to the erosion included low groundcover, cattle traffic, shallow topsoil and sodic subsoils.	
M_Gully_7	Type of erosion feature	Gully	
	Lease Area	B1 & B2	
	Landform	Simple slope	
	Location	South of Dodson's Road	
	Soil Type (Muller, 2008)	Earlsfield	
	ALC (Thompson)	Class A	
	Soil Condition	Friable non-cracking clay or clay loam soils	
	Top of gully coordinate	Latitude: -24.052188 Longitude: 150.411517	


Erosion feature I.D	Description		Photograph
	Maximum depth (m)	1	
	Maximum width (m)	4	
	Length (m)	70	
	Description	Contributing factors to the erosion included low groundcover and cattle traffic.	
M_Gully_8	Type of erosion feature	Gully	
	Lease Area	B2	
	Landform	Simple slope	
	Location	Upgradient of drainage feature (M_DF_3)	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	


Erosion feature I.D	Description		Photograph
	Top of gully coordinate	Latitude: -24.059255 Longitude: 150.413334	
	Maximum depth (m)	1	
	Maximum width (m)	20	
	Length (m)	205	
	Description	Contributing factors to the erosion included low groundcover, cattle traffic, steep slopes, shallow topsoil and sodic subsoils.	
M_Gully_9	Type of erosion feature	Gully	
	Lease Area	B2	
	Landform	Simple slope	
	Location	East of cattleyard2	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	


Erosion feature I.D		Description	Photograph
	Top of feature coordinate	Latitude: -24.061241 Longitude: 150.423583	
	Maximum depth (m)	0.5	
	Maximum width (m)	9	
	Length (m)	35	
	Description	Contributing factors to the erosion included low groundcover, cattle traffic, shallow topsoil and sodic subsoils.	
M_Rill_10	Type of erosion feature	Rill	
	Lease Area	B2	
	Landform	Simple slope	
	Location	West of Dam11	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Top of feature coordinate	Latitude: -24.061072 Longitude: 150.428054	
	Maximum depth (m)	0.4	
	Maximum width (m)	8	
	Length (m)	80	


Erosion feature I.D	Description	Photograph
	<div> <div>Description</div> <div>Contributing factors to the erosion included low groundcover and cattle traffic.</div> </div>	
M_Rill_11	Type of erosion feature	Gully
	Lease Area	B2
	Landform	Simple slope
	Location	South of Dam11
	Soil Type (Muller, 2008)	Kokotungo
	ALC (Thompson)	Class A
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.


Erosion feature I.D	Description		Photograph
	Top of gully coordinate	Latitude: -24.063676 Longitude: 150.425923	
	Maximum depth (m)	0.4	
	Maximum width (m)	8	
	Length (m)	35	
	Description	Contributing factors to the erosion included low groundcover and cattle traffic.	
M_Gully_12	Type of erosion feature	Gully	
	Lease Area	B2	
	Landform	Simple slope	
	Location	Southern portion of lease area B2	
	Soil Type (Muller, 2008)	Bluff	
	ALC (Thompson)	Class C	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Top of feature coordinate	Latitude: -24.06644 Longitude: 150.418547	
	Maximum depth (m)	0.6	
	Maximum width (m)	10	


Erosion feature I.D	Description		Photograph
	Length (m)	65	
	Description	Contributing factors to the erosion included low groundcover, cattle traffic, steep slopes, shallow topsoil and sodic subsoils.	
M_Gully_13	Type of erosion feature	Gully	
	Lease Area	B2	
	Landform	Simple slope	
	Location	Southern portion of lease area B2	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Top of feature coordinate	Latitude: -24.065527 Longitude: 150.42116	


Erosion feature I.D		Description	Photograph
	Maximum depth (m)	0.5	
	Maximum width (m)	10	
	Length (m)	110	
	Description	Contributing factors to the erosion included low groundcover, cattle traffic, steep slopes, shallow topsoil and sodic subsoils.	
M_DF_3	Type of erosion feature	Erosion of banks of watercourse and lateral bank erosion	
	Lease Area	B2	
	Landform	Watercourse and open depression.	
	Location	Central portion of lease area B2	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Top of feature coordinate	Latitude: -24.053879 Longitude: 150.423404 Note: start of feature at northern lease area B2 boundary	
	Maximum depth (m)	1	
	Maximum width (m)	170	


Erosion feature I.D	Description		Photograph
	Length (km)	1.2	
	Description	<p>Incorporates Dam22.</p> <p>Contributing factors to the erosion included low groundcover, concentrated flow, cattle traffic, shallow topsoil and sodic subsoils. Unstable head and sidewalls and limited upgradient groundcover causing lateral bank erosion.</p> <p>Extends north onto Dunn property.</p>	


Erosion feature I.D	Description		Photograph
			
M_EF_2	Type of erosion feature	Minor gully	
	Lease Area	B2	
	Landform	Open depression	
	Location	North east of Dam12	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	
	Top of feature coordinate	Latitude: -24.059245 Longitude: 150.42395	


Erosion feature I.D	Description		Photograph
	Maximum depth (m)	0.5	
	Maximum width (m)	40	
	Length (m)	640	
	Description	Contributing factors to the erosion included low groundcover, cattle traffic, steep slopes, shallow topsoil and sodic subsoils.	
M_EF_3	Type of erosion feature	Minor gullying along watercourse	
	Lease Area	B2	
	Landform	Watercourse and open depression.	
	Location	Upgradient of Dam11	
	Soil Type (Muller, 2008)	Kokotungo	
	ALC (Thompson)	Class A	
	Soil Condition	Texture contrast soils, sodic subsoil and shallow topsoil.	

Erosion feature I.D	Description		Photograph
	Top of feature coordinate	Western head Latitude: -24.066466 Longitude: 150.426898 Eastern head Latitude: -24.065877 Longitude: 150.430585	
	Maximum depth (m)	0.5	
	Maximum width (m)	90	
	Length (m)	565	
	Description	Contributing factors to the erosion included concentrated flow, low groundcover, cattle traffic, shallow topsoil and sodic subsoils.	
M_EF_4	Type of erosion feature	Gully	
	Lease Area	B2	
	Landform	Open depression	
	Location	North of access track	
	Soil Type (Muller, 2008)	Bluff	
	ALC (Thompson)	Class C	
	Soil Condition	Cracking clay soils	
	Top of feature coordinate	Latitude: -24.064725 Longitude: 150.433094	
	Maximum depth (m)	0.4	
	Maximum width (m)	4	
	Length (m)	10	

Erosion feature I.D		Description	Photograph
M_Gully_14	Description	Contributing factors to the erosion included concentrated flow along access track, cattle traffic, shallow topsoil and sodic subsoils.	
	Type of erosion feature	Gully	
	Lease Area	B2	
	Landform	Open depression adjoining watercourse	
	Location	West of drainage feature (M_DF_4) and parallel to a contour bank	
	Soil Type (Muller, 2008)	Clancy	
	ALC (Thompson)	Class A	
	Soil Condition	Cracking clay soils	
	Top of feature coordinate	Latitude: -24.059087 Longitude: 150.435579	
	Maximum depth (m)	1.2	
	Maximum width (m)	6	
	Length (m)	30	
	Description	Contributing factors to the erosion included steep slope, low sidewall and base groundcover, contour banks and cattle traffic.	
M_Gully_15	Type of erosion feature	Gully	
	Lease Area	B2	
	Landform	Open depression	
	Location	Upgradient of drainage feature (M_DF_4)	

Erosion feature I.D	Description		Photograph
	Soil Type (Muller, 2008)	Clancy	
	ALC (Thompson)	Class A	
	Soil Condition	Cracking clay soils	
	Top of feature coordinate	Latitude: -24.060447 Longitude: 150.439223	
	Maximum depth (m)	2	
	Maximum width (m)	6	
	Length (m)	95	
	Description	Contributing factors to the erosion included steep slope, concentrated flow, low sidewall groundcover, contour banks and cattle traffic.	
M_Gully_16	Type of erosion feature	Gully	
	Lease Area	B2	
	Landform	Simple slope	
	Location	South-west of powerlines	
	Soil Type (Muller, 2008)	Santo	
	ALC (Thompson)	Class C	
	Soil Condition	Cracking clay soils	
	Top of feature coordinate	Latitude: -24.064806 Longitude: 150.442652	

Erosion feature I.D	Description		Photograph
	Maximum depth (m)	1	
	Maximum width (m)	7	
	Length (m)	75	
	Description	Contributing factors to the erosion included steep slope, contour banks and cattle traffic.	
M_DF_4	Type of erosion feature	Erosion of banks of watercourse and lateral bank erosion	
	Lease Area	B2	
	Landform	Open depression/ watercourse	
	Location	South of Dodson Road	
	Soil Type (Muller, 2008)	Clancy	
	ALC (Thompson)	Class A	
	Soil Condition	Cracking clay soils	

Erosion feature I.D	Description		Photograph
	Start of feature coordinate	Latitude: -24.060367 Longitude: 150.440836 Note: start of feature at eastern lease boundary	
	Maximum depth (m)	1.-1.2	
	Maximum width (m)	10	
	Length (m)	860	
	Description	Contributing factors to the erosion included concentrated flow, low groundcover and cattle traffic.	