

HOPE BROS - KING G & G
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 GRAMPIANS STATION
 PRIVATE BAG
 FAIRLIE

GORDON MCCORMICK

Client Reference: 349812

File: Grampians proposed NB.ovp

Parameter report

Parameter name	Units	Value
Region		High Country (> 300 m)
No Fuel, electricity and other farm inputs		
No Farm capital (structure) inputs		

Block setup summary

Block name	Block type	Effective area (ha)	Relative productivity
Whalesback	Pastoral	431	0.11
Swamp	Pastoral	220	0.12
Top Farm	Pastoral	492	0.13
Grampian Range - No fert	Pastoral	13774	0.14
Ewe Run	Pastoral	400	0.06
Monument Block	Pastoral	3557	0.06
Whalesback Flat	Pastoral	2291	0.06
Pivot A	Pastoral	110	0.06
Pivots B & C	Pastoral	275	0.06
Hut Downs	Pastoral	450	0.06
Total farm area declared as blocks	ha		22000
Relative productivity assessment method			Grazing days
Make all block stock ratios same as farm stock ratios			False

Stock Information: Sheep, beef and deer

Stock unit calculator

Sheep

Dominate breed					Merino
Number of ewes					12500
Ewe weight			kg		57
Number of ewe hogget replacements					3700
Number of rams					2540
Lambing month					October
Weaning month					January
Number of lambs weaned					12200
Hoggets lambed					False
Weaning weight			kg		24
Trading stock:					
Type	Number	Month on	Weigth start (kg)	Month off	Weigth end (kg)
Lambs (wean nonbreeding)	8500	January	24	January	24

Beef

Dominate breed					Hereford
Number of breeding cows					445
Live weight			kg		600
Number of R1 replacements					125
Number of R2 replacements					93

Number of bulls				16	
R2 heifers calved				True	
Weaning month				April	
Trading stock:					
Type	Number	Month on	Weighth start (kg)	Month off	Weighth end (kg)
Weaners (nonbreeding)	300	April	260	April	261

Animal production					
No wool weight entered					
% beef as male					
				9	

Grazing off options for sheep not used
Advanced pasture supplement feeding options for sheep not used

Grazing off options for beef animals not used
Wintering off/animal shelter options for beef animals not used
Advanced pasture supplement feeding options for beef not used

Animal health supplementation used by Non-dairy animals

No animal supplementation has been entered

DCD is not applied
No Wetland information
No supplements added

Block Information

Parameter name	Units	Value
Block name		Whalesback
Area	ha	431
Block type		Pastoral
Topography		Flat
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
Climate		
Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	580
Animals and Pasture		
Sheep	%	100
Merino		True

Block Information

Parameter name	Units	Value
Development status (organic nutrients)		Developed
Pasture type		Ryegrass / white clover

Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown

Soil profile

Olsen P		28
QT K		10
QT Ca		4
QT Mg		16
QT Na		6
Organic S		6.8
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur super 30	Ravensdown super	50
Urea	Ravensdown other	5
No N added in May, June and July		
No soluble P applied in high risk months		

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form			
0	0	0	0			
Super	DAP / DCP	RPR	Other			
0	0	0	0			
K	Sulphate S	Elemental S	Ca	Mg	Na	
0	0	0	0	0	0	

No N added in May, June and July

No soluble P applied in high risk months

Fertiliser P applied within 3 weeks of border dyke irrigation False

No supplements removed from the block

Block Information

Parameter name	Units	Value
Block name		Swamp
Area	ha	220
Block type		Pastoral
Topography		Flat
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
Climate		
Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	580
Animals and Pasture		
Sheep	%	100
Merino		True
Development status (organic nutrients)		Developing
Pasture type		Ryegrass / white clover
Pasture quality		
Pasture digestibility and ME not entered		
Clover levels		Low
Pasture utilisation (%)		Default used
Soil information		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		
Olsen P		20
QT K		11
QT Ca		9
QT Mg		59
QT Na		10
Organic S		6.8
QT SO4	mg/kg	6
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Block Information

Parameter name	Units	Value
Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur super 30	Ravensdown super	50
Urea	Ravensdown other	10
No N added in May, June and July		
No soluble P applied in high risk months		

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form		
0	0	0	0		
Super	DAP / DCP	RPR	Other		
0	0	0	0		
K	Sulphate S	Elemental S	Ca	Mg	Na
0	0	0	0	0	0

No N added in May, June and July

No soluble P applied in high risk months

Fertiliser P applied within 3 weeks of border dyke irrigation

False

No supplements removed from the block

Block Information

Parameter name	Units	Value
Block name		Top Farm
Area	ha	492
Block type		Pastoral
Topography		Rolling
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		

Climate

Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	580

Block Information

Parameter name	Units	Value
Animals and Pasture		
Sheep	%	80
Merino		True
Beef	%	20
Finishing		True
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developing
Pasture type		Ryegrass / white clover

Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown

Soil profile

Olsen P		22
QT K		6
QT Ca		6
QT Mg		26
QT Na		5
Organic S		6
TBK reserve K test		2.15
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur super 30	Ravensdown super	50
Urea	Ravensdown other	10

No N added in May, June and July

No soluble P applied in high risk months

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form
0	0	0	0

Super	DAP / DCP	RPR	Other
0	0	0	0

K	Sulphate S	Elemental S	Ca	Mg	Na
0	0	0	0	0	0

No N added in May, June and July

No soluble P applied in high risk months

Fertiliser P applied within 3 weeks of border dyke irrigation False

No supplements removed from the block

Block Information

Parameter name	Units	Value
Block name		Grampian Range - No fert
Area	ha	13774
Block type		Pastoral
Topography		Steep hill
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
Climate		
Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	1500
Animals and Pasture		
Sheep	%	100
Merino		True
Development status (organic nutrients)		Developed
Pasture type		Unimproved/Tussock grasslands
Soil information		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Stony
Olsen P		3
QT K		5
QT Ca		6
QT Mg		6
QT Na		6
Organic S		.6
QT SO4	mg/kg	.5
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form
0	0	0	0
Super	DAP / DCP	RPR	Other
0	0	0	0

Block Information

Parameter name	Units					Value
	K	Sulphate S	Elemental S	Ca	Mg	Na
	0	0	0	0	0	0
No N added in May, June and July						
No soluble P applied in high risk months						
Fertiliser P applied within 3 weeks of border dyke irrigation						False
No supplements removed from the block						

Block Information

Parameter name	Units	Value
Block name		Ewe Run
Area	ha	400
Block type		Pastoral
Topography		Rolling
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
Climate		
Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	580
Animals and Pasture		
Sheep	%	100
Merino		True
Development status (organic nutrients)		Developing
Pasture type		Ryegrass / white clover
Soil information		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Stony
Olsen P		9
QT K		6

Block Information

Parameter name	Units	Value
QT Ca		6
QT Mg		6
QT Na		5
Organic S		7.9
QT SO4	mg/kg	7
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur super 30	Ravensdown super	50
No N added in May, June and July		
No soluble P applied in high risk months		

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form			
0	0	0	0			
Super	DAP / DCP	RPR	Other			
0	0	0	0			
K	Sulphate S	Elemental S	Ca	Mg	Na	
0	0	0	0	0	0	

No N added in May, June and July

No soluble P applied in high risk months

Fertiliser P applied within 3 weeks of border dyke irrigation

False

No supplements removed from the block

Block Information

Parameter name	Units	Value
Block name		Monument Block
Area	ha	3557
Block type		Pastoral
Topography		Steep hill
Distance from coast	km	80
Profile drainage class		Unknown
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		

Block Information

Parameter name	Units	Value
Climate		
Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	800
Animals and Pasture		
Sheep	%	100
Merino		True
Development status (organic nutrients)		Developing
Pasture type		Unimproved/Tussock grasslands
Soil information		
Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		
Olsen P		6
QT K		5
QT Ca		5
QT Mg		6
QT Na		5
Organic S		4.5
QT SO4	mg/kg	4
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form			
0	0	0	0			
Super	DAP / DCP	RPR	Other			
0	0	0	0			
K	Sulphate S	Elemental S	Ca	Mg	Na	
0	0	0	0	0	0	

No N added in May, June and July

No soluble P applied in high risk months

Fertiliser P applied within 3 weeks of border dyke irrigation

False

No supplements removed from the block

Block Information

Parameter name	Units	Value
Block name		Whalesback Flat
Area	ha	2291
Block type		Pastoral
Topography		Flat
Distance from coast	km	80
Profile drainage class		Unknown
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		

Climate

Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	580

Animals and Pasture

Sheep	%	100
Merino		True
Development status (organic nutrients)		Developing
Pasture type		Unimproved/Tussock grasslands

Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown

Soil profile

Olsen P		6
QT K		5
QT Ca		4
QT Mg		6
QT Na		5
Organic S		6.8
QT SO4	mg/kg	6
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form
0	0	0	0
Super	DAP / DCP	RPR	Other
0	0	0	0

Block Information

Parameter name	Units					Value
	K	Sulphate S	Elemental S	Ca	Mg	Na
	0	0	0	0	0	0
No N added in May, June and July						
No soluble P applied in high risk months						
Fertiliser P applied within 3 weeks of border dyke irrigation						False
No supplements removed from the block						

Block Information

Parameter name	Units	Value
Block name		Pivot A
Area	ha	110
Block type		Pastoral
Topography		Flat
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
Irrigation	mm	550

Irrigation

Border dyke	False
Water source is borderdyke outwash	False

Irrigation nutrient concentrations for block

Irrigation Source	Program default (fixed)						
Irrigation Units	mg/l						
	N	P	K	S	Ca	Mg	Na
	2.5	0.1	1.6	2.5	9.3	2.2	9.5

Climate

Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Moderate
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	580

Animals and Pasture

Sheep	%	80
Merino		True
Beef	%	20

Block Information

Parameter name	Units	Value
Finishing		True
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developed
Pasture type		Ryegrass / white clover

Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown
Soil profile		Shallow
Olsen P		22
QT K		7
QT Ca		7
QT Mg		9
QT Na		7
Organic S		6.8
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur super 30	Ravensdown super	300
Urea	Ravensdown other	400
No N added in May, June and July		
No soluble P applied in high risk months		

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form
0	0	0	0

Super	DAP / DCP	RPR	Other
0	0	0	0

K	Sulphate S	Elemental S	Ca	Mg	Na
0	0	0	0	0	0

No N added in May, June and July	
No soluble P applied in high risk months	
Fertiliser P applied within 3 weeks of border dyke irrigation	False
No supplements removed from the block	

Block Information

Parameter name	Units	Value
Block name		Pivots B & C
Area	ha	275
Block type		Pastoral
Topography		Flat
Distance from coast	km	80
Profile drainage class		Unknown
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		

Climate

Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44.1
Altitude	m	580

Animals and Pasture

Sheep	%	80
Merino		True
Beef	%	20
Finishing		True
Dairy or beef animals have direct access to streams		False
Development status (organic nutrients)		Developed
Pasture type		Ryegrass / white clover

Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown

Soil profile

Olsen P		23
QT K		7
QT Ca		8
QT Mg		9
QT Na		7
Organic S		7.9
QT SO4	mg/kg	7
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur super 30	Ravensdown super	300

Block Information

Parameter name	Units	Value
Urea	Ravensdown other	400
No N added in May, June and July		
No soluble P applied in high risk months		
Fertiliser nutrient forms		
Urea	DAP	Other NH4
0	0	0
NO3 Form		
0		
Super	DAP / DCP	RPR
0	0	0
Other		
0		
K	Sulphate S	Elemental S
0	0	0
Ca	Mg	Na
0	0	0
No N added in May, June and July		
No soluble P applied in high risk months		
Fertiliser P applied within 3 weeks of border dyke irrigation		False
No supplements removed from the block		

Block Information

Parameter name	Units	Value
Block name		Hut Downs
Area	ha	450
Block type		Pastoral
Topography		Rolling
Distance from coast	km	80
Profile drainage class		Well
Poorly drained		False
Mole/tile drained		False
Receives no liquid or solid effluents		
No irrigation applied		
Climate		
Mean annual rainfall	mm	300
Mean annual temperature	°C	9.2
Seasonal variation in rainfall		Low
Annual potential evapotranspiration (PET)		801-950
Seasonal variation in PET		Moderate
Hydrophobic condition		Unknown
Latitude South	°	44
Altitude	m	580
Animals and Pasture		
Sheep	%	100

Block Information

Parameter name	Units	Value
Merino		True
Development status (organic nutrients)		Developing
Pasture type		Unimproved/Tussock grasslands

Soil information

Soil group		Sedimentary
Sand parent material		False
Soil texture		Unknown

Soil profile

Olsen P		9
QT K		7
QT Ca		8
QT Mg		9
QT Na		6
Organic S		7.9
QT SO4	mg/kg	7
TBK reserve K test		Not known
Anion storage capacity or PR		Not known

Block Fertiliser

Fertiliser Calculator

Fertiliser name	Category	Amount (kg/ha/yr)
Sulphur super 30	Ravensdown super	40
No N added in May, June and July		
No soluble P applied in high risk months		

Fertiliser nutrient forms

Urea	DAP	Other NH4	NO3 Form
0	0	0	0

Super	DAP / DCP	RPR	Other
0	0	0	0

K	Sulphate S	Elemental S	Ca	Mg	Na
0	0	0	0	0	0

No N added in May, June and July	
No soluble P applied in high risk months	
Fertiliser P applied within 3 weeks of border dyke irrigation	False
No supplements removed from the block	
