



SUPPLEMENTARY INFORMATION

UNDERSTANDING BULL BREEDING SOUNDNESS
EVALUATION (BBSE) REPORTS
BY THE AUSTRALIAN CATTLE VETS (ACV)

General

A BBSE can include evaluation of the **Scrotum**, other **Physical** attributes, **Crush-side Semen** assessment, laboratory evaluation of **Sperm Morphology**, and in many situations, Serving assessment. All components of a BBSE are important. Semen evaluation is critical because it is a bull's genes that are really the objective in his purchase. Other aspects of a BBSE relate to a bull's ability and willingness to deliver the semen.

Whether there is a requirement or not, semen may also have been submitted for **Sperm Morphology** assessment. If a bull fails such an assessment and, there is evidence of a defect that may persist and impair fertility, this must also be declared.

Scrotum and Physical

ACV standards for **Scrotum** are that the scrotal contents are normal on palpation, and that scrotal size is within normal ranges for the breed, age, and nutrition of the bull.

The standards for **Physical** require compulsory assessment of eight components. If a bull is noted to fail on any of these or any other component of **Physical** he fails this category.

Report Indicators

Tick: All attributes for this component measured were consistent with the ACV standards. No risk factors for reduced fertility were identified during this part of the VBBSE examination.

Q = Qualified: Not all attributes for this component were consistent with the ACV standards but these abnormalities may not necessarily preclude the bulls use. A further comment is provided on the individual BBSE certificate.

The standards for Crush-side Semen and Sperm Morphology

Crush-side Semen evaluation and laboratory evaluation of **Sperm Morphology** are strong indicators of whether a bull is fertile or sub-fertile. If a physically-normal bull is rated as having passed these evaluations, he is expected to be

fertile, ie, if mated, he can impregnate (pregnant at day 42 of gestation) by natural service at least 60% and 90% of 50 normal, cycling, disease-free females within 3 and 9 weeks, respectively.

The ACV has 2 pass levels for semen evaluation. The highest level – Tick – indicates that the bull is fertile with respect to the category assessed and has 60% or higher progressively forward motile sperm. Further, it is very likely that the semen of this bull will be fertile after freezing. The lower level – Q – was introduced to indicate that a bull may be fertile under natural mating, but it is likely his semen is not suitable for freezing. The Q level is given to bulls with between 30 and 59% motile sperm in **Crush-side Semen** evaluation. Bulls have to pass thresholds for eight **Sperm Morphology** categories and 70% or higher normal sperm, as assessed by an accredited sperm morphologist, to gain a tick for this assessment category. For a Q-level pass, this includes having between 50% and 69% normal sperm.

It is possible that physically-normal, Q-level bulls, and especially those close to the lower threshold, may be shown to be less than fully fertile when mated. Such bulls are acceptable under multiple-sire mating, but veterinary advice should be considered before single-sire mating of such bulls.

Bulls in the Gold City catalogue with semen motility in the Q category are required to also have semen morphology test performed.

A Fail on Crush-side Semen or Sperm Morphology

The word morphology means shape. Motility means movement. Research shows that when there is a problem with sperm formation and maturation in the testes, there is an increase in the proportion of defective sperm produced, which results in the bull either being infertile or sub-fertile. Defective sperm have reduced forward motility, and abnormal shape. The selected motility and morphology thresholds are based on research which has investigated the points at which fertilization and embryo survival are compromised.

Changes in semen quality in young bulls

Most bulls reach puberty between 6 months and two years of age. At puberty, a bull is sub-fertile, ie, he can achieve pregnancies, but not at the rate of fertile bulls. After puberty, semen quantity and quality increase until the bull is sexually mature.

Puberty to sexual maturity is a variable time but will usually take at least several months in high-growth bulls. Early in the process, a full range of sperm abnormalities are evident with all decreasing over time. The most persistent abnormality is proximal cytoplasmic droplets (and to a lesser extent pyriform heads), and for this reason this is usually seen as an indicator of immaturity in young bulls (NOT in sexually-mature bulls).

High-energy diets are known to reduce semen quality, especially in young bulls. This is because fat laid down in the scrotum may counter the temperature control mechanisms of the bull, and if testicular temperature rises, semen production is impaired.

Changes in semen quality in sexually-mature bulls

Once bulls are sexually mature and producing satisfactory quality ejaculates, testes function is relatively stable, ie, if the bull is tested 2 months prior to sale and passes a semen evaluation, then, if managed under the same conditions without experiencing conditions that cause problems with function of the testes, there is a high probability (based on research done in northern Australia) that if tested again on the day of sale it would produce an ejaculate containing a similar proportion of normal sperm.

If a bull experiences trauma, fever, inflammation, fat insulation or stress, that are sufficient to impair sperm formation and maturation, semen quality may be affected within days and may persist for months.

It takes about 60 days for a sperm cell to develop and then a further 10 days for it to mature and be available for ejaculation. Therefore, a sperm quality assessment reflects function of the testes in the preceding 70-80 days. Conversely, if a bull experiences problems such as trauma, fever, inflammation, fat insulation or stress, which are sufficient to impair sperm formation, he may produce defective ejaculates for at least 2 months.

If a bull has passed a semen evaluation, and does suffer an event that causes temporary sub-fertility, it is most likely that fertility will be restored once the bull is returned to sound stable management.

When a bull fails on a single examination, it cannot be determined if the abnormal testicular function is permanent, resolving or getting worse. The only way to determine this is to retest the bull. For problems that are apparent at examination, the interval between first and second test can be as short as 3 weeks if the problem is easily treated (eg, case of acute footrot), but generally a period of up to 70 days (10 weeks) is recommended as this will allow for a new generation of sperm to be produced and available for ejaculation.

In some bulls, particularly over fat bulls, the recovery period may be longer. Semen quality will usually improve once bulls start working.

Mouthing

The dentition reported in the supplementary is relevant to the date of inspection which may be performed up to 6 weeks before the sale.

There is evidence that the time taken from emergence to fully erupted of a pair of permanent teeth can be as little as 2 weeks, therefore an additional set may have appeared within the allowable inspection window.

Supplementary Key

AGE=Age in months, POLL/HORN=Poll/Scurr, PP, Horn Status, TH=Permanent Teeth, PH=Physical, CSE=Crush Side Semen Evaluation, %MT=Motile Sperm, MPE=Morphology Evaluation, MP%=%Normal Morphology, NT=Not Tested, NS=Not Supplied

The additional information in these sheets is expressed in the units indicated; WT - kg, EMA - sq cm, RIB FAT - 0 mm, P8 - mm, IMF-%, SC - cm, DOB - Date of Birth

Scanner List by Number

1 Stone, Lonnie (SCS) 2 Kenny, Paul 3 Reid, David

Vet List by Number

1 Pullen, Brad	7 Harriman, Elizabeth	13 Wise, Ced	19 Oliver, Hugh	25 Rae, Stacey
2 Hanssens, Joanne	8 Olsen, Richard	14 Connor, Susan	20 Smith, Damien	26 Teveluwe, Kelli
3 Frankish, Kelli	9 Scott, Katie	15 Sorley, Dianne	21 Hayes, Adam	
4 Kelly, Stephen	10 Solari, Callan	16 Brightman, Ben	22 Bliss, Steven	
5 Seccull, Laura	11 Staunton, James	17 Howlett, Bruce	23 Pelling, Emily	
6 Meewawe, Asela	12 Watter, Kurt	18 Agius, Kevin	24 Brieffies, Brendan	

LOT	POLL/ HORN	AGE	TH	SC	PH	CSE	%MT	MPE	MP%	WT	P8 FAT	RIB FAT	EMA	IMF%	VET	SCAN	ADDITIONAL INFORMATION
RYAN & KIMBERLY PATERSON																	
1	H	22	0	37	✓	✓	✓	NT	NT	846	16	13	140	6	11	1	
2	H	25	2	39	✓	✓	✓	NT	NT	802	9	7	127	3.5	11	1	
3	H	24	0	35	✓	✓	✓	NT	NT	800	12	7	137	5.1	11	1	
BRENTON J THOMAS																	
4	P/S	29	2	43	✓	✓	✓	NT	NT	938	11	8	137	4.7	23	1	
5	H	27	2	37	✓	✓	✓	NT	NT	795	14	10	126	5	23	1	
6	H	32	4	36	✓	✓	✓	NT	NT	990	22	15	134	6.8	23	1	
7	H	34	2	38	✓	✓	✓	NT	NT	1027	16	11	150	6.3	23	1	
PALM CREEK BRAHMANS																	
8	H	25	2	34.5	✓	✓	✓	✓	✓	805	15	9	137	5.3	10	1	
TJ & NJ HARLING																	
9	H	22	0	35	✓	✓	✓	NT	NT	810	13	10	132	4.2	22	1	Registered not Herd
10	H	24	4	39	✓	✓	✓	NT	NT	838	15	11	130	5.9	22	1	
11	H	25	2	35	✓	✓	✓	NT	NT	772	12	8	134	4.6	22	1	
12	H	25	0	36	✓	✓	✓	NT	NT	742	10	7	114	3.7	22	1	
13	H	21	2	32	✓	✓	✓	NT	NT	694	13	9	118	6.7	22	1	
14	WITHDRAWN																
KARMOO PASTORAL COY																	
15	WITHDRAWN																
16	WITHDRAWN																
17	WITHDRAWN																
18	WITHDRAWN																
19	WITHDRAWN																
20	WITHDRAWN																
21	WITHDRAWN																
22	WITHDRAWN																
23	WITHDRAWN																
24	WITHDRAWN																
JC & BLM ATKINSON																	
25	H	36	6	35.5	✓	✓	✓	NT	NT	910	15	10	141	4	10	1	
26	H	35	6	35	✓	✓	✓	NT	NT	716	13	10	120	4.5	10	1	
GLENGARRY CATTLE CO																	
27	H	22	0	32	✓	✓	✓	✓	✓	785	13	9	130	4	3	1	
SCOTT ANGEL & SONS																	
28	H	22	0	32	✓	✓	✓	✓	✓	720	12	9	126	5.2	3	1	
29	H	21	0	33	✓	✓	✓	✓	✓	755	11	8	127	5.4	3	1	
BOYD LEITCH																	
30	H	28	0	36	✓	✓	✓	NT	NT	888	15	10	137	5.2	11	1	
31	H	21	0	39	✓	✓	✓	NT	NT	842	12	9	143	4.9	11	1	
CODY HANSEN & KELLIE PICKERSGILL																	
32	H	25	0	36	✓	✓	✓	NT	NT	902	13	9	140	4.2	11	1	
33	H	23	2	39	✓	✓	✓	NT	NT	852	10	8	141	4.1	11	1	
JASON WAUGH & ARLIE BECKER																	
34	H	25	0	37	✓	✓	✓	NT	NT	760	9	6	130	5.1	13	3	
35	H	25	2	38	✓	✓	✓	NT	NT	830	11	8	136	5.3	13	3	
36	H	24	0	38	✓	✓	✓	NT	NT	800	12	8	135	5.6	13	3	
37	NO LOT																
38	NO LOT																

LOT	POLL/ HORN	AGE	TH	SC	PH	CSE	%MT	MPE	MP%	WT	P8 FAT	RIB FAT	EMA	IMF%	VET	SCAN	ADDITIONAL INFORMATION
JASON & RACHEL LEITCH																	
39	H	25	0	40	✓	✓	✓	NT	NT	978	19	15	155	5.4	11	1	
40	H	24	2	41	✓	✓	✓	NT	NT	876	15	11	150	5.2	11	1	
TRIPLE E																	
41	P/S	27	0	39.5	✓	✓	✓	✓	✓	765	15	11	125	4.8	10	1	
42	H	27	0	34.5	✓	✓	✓	✓	✓	695	10	7	118	4.4	10	1	
43	P/S	27	0	35.5	✓	✓	✓	✓	✓	780	9	6	124	3.6	10	1	
LANCE & KAREN POPE																	
44	H	31	4	35.5	✓	✓	✓	NT	NT	865	10	8	127	4.8	10	1	
45	H	29	4	36	✓	✓	✓	NT	NT	860	10	8	142	5.3	10	1	
46	WITHDRAWN																
47	H	29	2	37	✓	✓	✓	NT	NT	650	11	7	108	3.8	10	1	
48	H	31	4	38	✓	✓	✓	NT	NT	765	10	8	134	3.9	10	1	
49	WITHDRAWN																
50	WITHDRAWN																
51	WITHDRAWN																
PETER & SUE HAMMER																	
52	P/S	36	4	39	✓	✓	✓	NT	NT	905	16	12	145	3.7	10	1	
53	H	36	6	40	✓	✓	✓	NT	NT	925	15	11	148	5.3	10	1	
54	H	32	2	35	✓	✓	✓	NT	NT	840	14	10	138	4.7	10	1	
55	H	33	2	35	✓	✓	✓	NT	NT	875	13	9	138	4.4	10	1	
56	WITHDRAWN																
57	H	25	0	35	✓	✓	✓	NT	NT	765	11	8	128	5	10	1	
58	WITHDRAWN																
59	WITHDRAWN																
CARRINYAH PASTORAL COY																	
60	P/S	22	0	34	✓	✓	✓	NT	NT	780	16	12	140	6.3	1	1	
61	P/S	24	0	36	✓	✓	✓	NT	NT	810	14	10	146	5.2	1	1	
62	P/S	24	0	36	✓	✓	✓	NT	NT	830	10	8	141	5.1	1	1	
JASON BARTOLO																	
63	P/S	28	4	35	✓	✓	✓	NT	NT	920	12	9	148	5	1	1	
64	P/S	27	4	36	✓	✓	✓	NT	NT	950	18	15	150	5.7	1	1	
65	P/S	27	4	38	✓	✓	✓	NT	NT	760	9	6	138	4.5	1	1	
KRYSTLE BARTOLO																	
66	P/S	27	4	36	✓	✓	✓	NT	NT	840	26	17	134	6.8	1	1	
67	P/S	27	4	40.5	✓	✓	✓	NT	NT	870	17	12	144	6	1	1	
XMS BRAHMANS																	
68	WITHDRAWN																
69	WITHDRAWN																
70	H	34	4	37.5	✓	✓	✓	✓	✓	830	9	6	137		10	1	
71	P/S	27	0	38	✓	✓	✓	✓	✓	702	6	4	116		10	1	
RICHARD & SALLY ANNE OLSEN																	
72	WITHDRAWN																
73	WITHDRAWN																
RIVERLEA GRAZING PTY LTD																	
74	P/S	34	2	41	✓	✓	✓	✓	✓	985	13	10	142	5.6	3	3	
SCOTT ANGEL & SONS																	
75	P/S	22	0	37	✓	✓	✓	✓	✓	770	7	5	131	3.8	3	1	
76	H	21	0	35	✓	✓	✓	✓	✓	765	8	6	127	4.4	3	1	

LOT	POLL/ HORN	AGE	TH	SC	PH	CSE	%MT	MPE	MP%	WT	P8 FAT	RIB FAT	EMA	IMF%	VET	SCAN	ADDITIONAL INFORMATION
77	P/S	21	0	35	✓	✓	✓	✓	✓	775	12	8	127	4.1	3	1	
CHRISTOPHER WILKES																	
78	H	25	0	38	✓	✓	✓	NT	NT	703	13	10	131	5.1	15	2	
THE WAIRUNA BRAHMAN STUD																	
79	P/S	26	0	40	✓	✓	✓	✓	✓	-	16	12	128	6.4	17	1	
TROY D LINDSAY																	
80	H	31	2	41	✓	✓	✓	NT	NT	982	13	11	144	5.2	18	2	
81	H	33	2	36	✓	✓	✓	NT	NT	892	13	11	138	4.8	18	2	
82	H	29	2	40	✓	✓	✓	NT	NT	704	14	12	134	4.5	18	2	
83	WITHDRAWN																
84	H	31	2	41	✓	✓	✓	NT	NT	834	15	12	141	5.5	18	2	
85	H	29	2	39	✓	✓	✓	NT	NT	794	15	13	138	5.6	18	2	
86	WITHDRAWN																
87	H	25	2	37	✓	✓	✓	NT	NT	714	12	10	130	4.2	18	2	
PM & AL FINGER																	
88	H	29	2	38	✓	✓	✓	F	F	-	12	10	128	5.3	24	1	
89	H	29	4	37	✓	✓	✓	✓	✓	-	8	6	127	3.6	24	1	
90	H	29	4	39	✓	✓	✓	Q	Q	-	10	7	120	4	24	1	
WILSON GRAZING (BATANDRA)																	
91	P/S	31	2	39	✓	✓	✓	Q	Q	838	11	8	141	5.4	2	3	
92	NO LOT																
93	NO LOT																
KC MALONEY																	
94	-	35	6	38	✓	✓	✓	✓	✓	802	19	13	136	5.6	17	1	
95	-	35	4	42	✓	✓	✓	✓	✓	824	24	16	126	5.6	17	1	
96	-	35	4	37	✓	✓	✓	✓	✓	790	15	11	129	5	17	1	
97	-	35	2	38	✓	✓	✓	✓	✓	868	19	12	128	6.3	17	1	
GI BRAHMAN STUD P/L																	
98	P/S	35	4	39	✓	✓	✓	✓	✓	972	10	8	141	5.4	7	1	
99	P/S	35	4	41	✓	✓	✓	✓	✓	944	12	8	137	6.4	7	1	
KELVIN & LIBBY HARRIMAN																	
100	WITHDRAWN																
MR JESSE ATKINSON																	
101	H	30	2	39	✓	✓	✓	F	F	913	20	15	144	6.1	7	1	
102	H	32	2	38	✓	✓	✓	Q	Q	870	15	10	141	4.7	7	1	Parent Verified
103	H	29	2	39.5	✓	✓	✓	Q	Q	855	13	9	138	4.8	7	1	
ALLAN FORD																	
104	H	24	0	37.5	✓	✓	✓	✓	✓	694	11	10	133	4.5	15	2	
105	H	23	0	37.5	✓	✓	✓	✓	✓	688	16	13	137	5.9	15	2	
MATTHEW & ANNA SLAUGHTER																	
106	P/S	28	2	38	✓	✓	✓	NT	NT	954	11	7	133	4.6	13	1	
107	P/S	28	2	38	✓	✓	✓	NT	NT	844	9	5	124	3.6	13	1	
108	P/S	25	2	40	✓	✓	✓	NT	NT	832	13	8	130	4	13	1	
109	H	25	2	35	✓	✓	✓	NT	NT	816	10	8	136	4.1	13	1	
110	P/S	28	2	39	✓	✓	✓	NT	NT	812	11	7	124	4.4	13	1	
111	P/S	25	2	36	✓	✓	✓	NT	NT	778	13	10	120	4.8	13	1	
STEVEN PALMER																	
112	P/S	25	2	41	✓	✓	✓	✓	✓	832	8	7	127	4.4	25	3	SKP1221M - Sire: Neslo Ulrich De Manso (PS) NES4312M, Homozygous Polled (PP)

LOT	POLL/ HORN	AGE	TH	SC	PH	CSE	%MT	MPE	MP%	WT	P8 FAT	RIB FAT	EMA	IMF%	VET	SCAN	ADDITIONAL INFORMATION
113	WITHDRAWN																
114	H	22	0	35	✓	✓	✓	✓	✓	714	10	6	125	4.6	25	3	
SP, RM, L & N RULE																	
115	P/S	31	4	41	✓	✓	✓	✓	✓	992	13	9	146	5.7	6	1	
116	P/S	31	4	40	✓	✓	✓	✓	✓	880	11	8	139	4.7	6	1	
117	P/S	33	4	39	✓	✓	✓	✓	✓	872	8	6	133	3.7	6	1	
118	P/S	31	4	40	✓	Q	F	Q	Q	824	11	9	140	4.9	6	1	
119	P/S	33	4	43	✓	✓	✓	✓	✓	890	14	12	131	5.8	6	1	
120	P/S	32	4	39	✓	✓	✓	✓	✓	950	12	8	144	5	6	1	
121	P/S	33	4	37	✓	✓	✓	✓	✓	862	10	8	135	5.7	6	1	
122	P/S	31	2	40	✓	✓	✓	✓	✓	830	11	9	131	5.8	6	1	
123	P/S	31	2	35	✓	✓	✓	✓	✓	754	10	7	130	4	6	1	
124	P/S	30	4	38	✓	✓	✓	✓	✓	740	10	7	130	4.1	6	1	
THE WAIRUNA BRAHMAN STUD																	
125	P/S	26	2	35	✓	✓	✓	✓	✓	-	11	9	135	4.9	17	1	
126	WITHDRAWN																
NP DUDARKO																	
127	WITHDRAWN																
128	P/S	36	4	40.5	✓	✓	✓	NT	NT	900	8	6	145	3.7	26	1	
129	P/S	33	4	37	✓	✓	✓	NT	NT	868	9	7	145	3.8	26	1	
130	P/S	33	2	39.5	✓	✓	✓	NT	NT	958	13	10	143	5.5	26	1	
131	WITHDRAWN																
132	H	38	4	44	✓	✓	✓	NT	NT	914	11	9	142	5.4	26	1	
133	H	37	4	40	✓	✓	✓	NT	NT	956	10	8	148	3.2	26	1	
134	-	31	2	38.5	✓	✓	✓	NT	NT	922	11	8	148	4.9	26	1	
135	-	27	2	35.5	✓	✓	✓	NT	NT	906	9	6	146	4.8	26	1	
GP DUDARKO																	
136	-	28	4	35.5	✓	✓	✓	NT	NT	958	8	7	154	4.6	26	1	
137	-	26	2	38	✓	✓	✓	NT	NT	902	11	8	148	4.9	26	1	
138	-	28	4	40	✓	✓	✓	NT	NT	914	10	7	145	5	26	1	
139	-	27	4	39	✓	✓	✓	NT	NT	918	11	8	152	4.8	26	1	
140	-	27	2	37.5	✓	✓	✓	NT	NT	944	8	5	144	5.3	26	1	Identifier should be 16995
141	-	33	2	39	✓	✓	✓	NT	NT	774	13	9	137	5.2	26	1	Replacement Herd Bull -(PS) - Animal id 17209 - DOB 02/06/2021 - 29 Mths
JC & BLM ATKINSON																	
142	P/S	37	6	37.5	✓	✓	✓	NT	NT	905	12	10	147	3.9	10	1	
RED STONE BRAHMANS																	
143	P/S	23	0	33.5	✓	✓	✓	NT	NT	633	6	4	108	3.6	10	1	
144	P/S	23	0	36	✓	✓	✓	NT	NT	645	8	6	110	4.7	10	1	
145	H	19	0	36	✓	✓	✓	NT	NT	595	8	5	104	3.6	10	1	
CHRISTOPHER WILKES																	
146	P/S	19	0	39	✓	✓	✓	NT	NT	832	15	11	134	5.3	15	2	
CRAIG POLSEN																	
147	P/S	25	0	38	✓	✓	✓	NT	NT	751	11	8	128	4.2	11	1	
148	P/S	25	0	39	✓	✓	✓	NT	NT	737	10	8	123	4.6	11	1	
NIOKA BRAHMANS																	
149	P/S	25	2	42	✓	✓	✓	✓	✓	877	12	9	137	6.8	21	1	
150	P/S	24	0	38	✓	✓	✓	✓	✓	798	15	11	132	6.1	21	1	
151	P/S	25	2	38	✓	✓	✓	✓	✓	770	18	12	128	6.2	21	1	

LOT	POLL/ HORN	AGE	TH	SC	PH	CSE	%MT	MPE	MP%	WT	P8 FAT	RIB FAT	EMA	IMF%	VET	SCAN	ADDITIONAL INFORMATION
152	P/S	22	0	39	✓	✓	✓	✓	✓	719	16	11	117	5.7	21	1	
153	H	29	2	41	✓	✓	✓	✓	✓	914	10	7	144	5.3	21	1	
154	P/S	25	2	37	✓	✓	✓	✓	✓	823	12	9	131	4.8	21	1	
HALIFAX BRAHMANS																	
155	WITHDRAWN																
156	P/S	25	2	41	✓	✓	✓	✓	✓	813	14	10	128	6.3	21	1	
157	P/S	24	2	38	✓	✓	✓	✓	✓	741	11	9	130	5.4	21	1	
158	P/S	25	0	36	✓	✓	✓	✓	✓	754	15	12	135	6.7	21	1	
W & S PICKERSGILL																	
159	H	24	0	39	✓	✓	✓	NT	NT	732	19	14	132	6.3	11	1	
160	H	23	0	42	✓	✓	✓	NT	NT	928	17	12	149	5.8	11	1	
J & B BESLEY																	
161	WITHDRAWN																
162	P/S	31	4	35	✓	✓	✓	NT	NT	842	10	7	148	4.6	8	1	
163	-	20	0	38	✓	✓	✓	NT	NT	818	11	9	138	4.1	8	1	
164	P/S	22	0	32.5	✓	✓	✓	NT	NT	708	14	10	135	5.5	8	1	
165	WITHDRAWN																
166	WITHDRAWN																
167	-	30	2	42	✓	✓	✓	NT	NT	846	11	8	138	4.5	8	1	
RIVERLEA GRAZING PTY LTD																	
168	H	23	2	43	✓	✓	✓	✓	✓	852	9	7	140	4.8	3	3	
JD & PA MOONEY																	
169	H	31	4	43	✓	✓	✓	NT	NT	848	14	11	138	5.9	20	2	
170	P/S	30	4	41	✓	✓	✓	NT	NT	846	15	12	139	5.9	20	2	
171	P/S	27	2	43.5	✓	✓	✓	NT	NT	790	12	9	128	4.5	20	2	Sire: CLUKAN BUTCH 350/7 (IVF) (PS) CKN350/7M
GI BRAHMAN STUD P/L																	
172	P/S	33	4	40	✓	✓	✓	✓	✓	822	12	9	128	5	7	1	
173	P/S	34	4	41	✓	✓	✓	✓	✓	876	13	8	131	4.6	7	1	
174	WITHDRAWN																
175	P/S	23	2	38	✓	✓	✓	✓	✓	712	12	10	112	6.1	7	1	
KELVIN & LIBBY HARRIMAN																	
176	P/S	24	2	38	✓	✓	✓	✓	✓	814	11	8	138	4.1	7	1	
SKYVIEW BRAHMANS																	
177	P/S	28	2	39.5	✓	✓	✓	✓	✓	810	10	7	127	4.7	24	1	
178	P/S	29	2	38.5	✓	✓	✓	✓	Q	764	12	10	121	5.4	24	1	
179	H	28	4	36.5	✓	✓	✓	✓	Q	774	13	10	125	4.1	24	1	
180	P/S	29	4	35	✓	✓	✓	✓	✓	734	12	10	121	5.4	24	1	
WILSON GRAZING (BATANDRA)																	
181	P/S	34	4	41	✓	✓	✓	Q	Q	918	10	7	148	4.7	2	3	
182	P/S	27	2	40	✓	✓	✓	Q	Q	770	13	10	138	6.2	2	3	
183	P/S	27	2	40	✓	✓	✓	Q	Q	790	13	11	132	5.1	2	3	
184	WITHDRAWN																
K HILLS & FG SKINNER																	
185	-	25	0	37.5	✓	✓	✓	✓	✓	738	9	6	130	5.3	19	3	Brand: NK Conjoined under scroll
186	P/S	24	0	41.5	✓	Q	Q	✓	✓	676	10	7	128	5.8	19	3	
187	P/S	23	0	38.5	✓	✓	✓	✓	✓	658	8	6	127	4.8	19	3	

LOT	POLL/ HORN	AGE	TH	SC	PH	CSE	%MT	MPE	MP%	WT	P8 FAT	RIB FAT	EMA	IMF%	VET	SCAN	ADDITIONAL INFORMATION
MIDWAY BRAHMANS																	
188	P/S	32	4	42.5	✓	✓	✓	Q	Q	818	12	10	136	6	10	1	
189	P/S	33	4	36.5	✓	✓	✓	✓	✓	802	9	7	135	5	10	1	
190	H	26	2	38	✓	✓	✓	✓	✓	764	10	6	130	4.5	10	1	
191	WITHDRAWN																
192	WITHDRAWN																
HARRISON & GENEVIEVE MCCARTHY																	
193	P/S	27	2	40	✓	✓	✓	✓	✓	834	14	11	140	5.1	15	2	
194	WITHDRAWN																
CHRISTOPHER R MCCARTHY																	
195	P/S	26	2	39.5	✓	✓	✓	✓	✓	796	12	9	136	4.4	15	2	
196	P/S	28	2	38	✓	✓	✓	✓	✓	782	16	13	137	5.9	15	2	
197	P/S	24	0	39	✓	✓	✓	✓	✓	814	15	13	143	5.8	15	2	
198	P/S	23	0	34	✓	✓	✓	✓	✓	636	15	12	133	4.8	15	2	
BW & GJ KIRKWOOD																	
199	P/S	31	2	39.5	✓	✓	✓	Q	Q	830	10	8	134	5.1	10	1	
200	P/S	28	2	38.5	✓	✓	✓	✓	✓	824	11	9	134	4.5	10	1	
201	P/S	27	2	43.5	✓	✓	✓	✓	✓	782	14	10	131	5.1	10	1	
202	H	24	0	38.5	✓	✓	✓	✓	✓	790	11	8	136	4.2	10	1	
203	-	25	0	37.5	✓	✓	✓	✓	✓	728	12	9	128	4.7	10	1	Name Somerview Nelson 20/22 (PS) Tattoo 20/22
204	WITHDRAWN																
205	-	24	0	34	✓	✓	✓	Q	Q	808	16	11	128	5.3	10	1	
206	-	24	0	33	✓	✓	✓	Q	Q	738	14	12	125	6.3	10	1	
207	-	24	2	34	✓	✓	✓	✓	✓	728	16	15	122	6.9	10	1	
EGO PARTNERSHIP																	
208	P/S	26	0	39	✓	✓	✓	✓	✓	832	16	13	142	5.7	15	2	
209	H	24	2	38	✓	✓	✓	✓	✓	816	11	10	141	4.7	15	2	
210	P/S	23	0	37	✓	✓	✓	✓	✓	758	13	11	140	5.1	15	2	
211	P/S	27	2	35	✓	✓	✓	✓	✓	786	13	10	139	5.1	15	2	
212	WITHDRAWN																
PETER TUXWORTH																	
213	P/S	23	0	35	✓	✓	✓	✓	✓	776	13	11	138	5	15	2	
214	P/S	27	2	39	✓	✓	✓	✓	✓	758	13	10	136	4.8	15	2	
215	P/S	29	2	36.5	✓	✓	✓	✓	✓	794	15	12	141	5	15	2	
JARVARNIE CATTLE CO																	
216	WITHDRAWN																
217	WITHDRAWN																
218	WITHDRAWN																
219	WITHDRAWN																
ALLAN FORD																	
220	P/S	27	2	39	✓	✓	✓	✓	✓	784	12	10	139	5.9	15	2	
SHANNON BARTOLO																	
221	P/S	27	4	38.5	✓	✓	✓	NT	NT	850	13	10	137	6.7	1	1	
222	-	30	4	40	✓	✓	✓	NT	NT	950	13	10	148	4.8	1	1	
CLAYTON G BARTOLO																	
223	P/S	25	2	37.5	✓	✓	✓	NT	NT	780	13	10	140	5.7	1	1	
224	P/S	24	2	37	✓	✓	✓	NT	NT	800	18	14	137	7.1	1	1	
225	P/S	24	2	35	✓	✓	✓	NT	NT	800	9	7	130	3.3	1	1	