

QUAGGA PROJECT ASSOCIATION (INCORPORATED UNDER SECTION 21)

Co-coordinator's Report (incorporating Stud Book Manager's report)

March 2017

ASSETS UPDATE & SECT 21 Co:

- 142 animals in 10 locations
- Cash in bank as per treasurers report

ANIMAL DEATHS:

- Death of 1 stripy animal on the veld at Bontebok Ridge

ANIMAL CAPTURES:

- 14 animals caught and moved off Elandsberg and 2 off Bontebok Ridge and sold to J Griesel of Goudiniweg, Rawsonville.
- Some deaths unfortunately occurred during and after the capture despite the delivery being made nearby.
- Autopsy's where performed but no clear conclusion could be drawn by an independent vet.
- The animals which had survived delivery and the camp that they were in, was also inspected and nothing incorrect could be found at the delivery site.
- Feel that the deaths where related to capture techniques (1 drowning – not enough personnel on the ground) and insufficient capture drugs (long knock down times) and incorrect wakeup procedures (1 broken foot) as well as fairly high temperatures at capture resulted in a loss of 33% of the animals captured
- Consequently we will not be using that game capture team again

Bernards detailed report on 31 Oct 2016 on the capture follows;

- *I have completed part of the planned game captures on Elandsberg and Bontebok Ridge. The capture operations where not as successful as I am accustomed to with 5 of the 16 animals dying in capture or immediately after delivery. The reasons are as follows – 1 male drowned in capture, 1 male culled due to broken foot, 1 female did not wake up from anaesthesia in trailer, 1 female died on veld 1 day after delivery, foal died 3 days after delivery – her mother died in the trailer from anesthesia. The first 2 males and the foal are just bad luck, the 2 females can be because of higher temperatures during capture and the longer knock down times from the drugs used by the capture vet, which were excessive.*
- *The planned operation was not completed (the animals for Stellenbosch University – 3 from Elandsberg and 3 from Pampoenvlei and 1 from Bontebok Ridge, where not captured) as the UnivStell fences where not completed and I was advised by the capture operator that my planned holding camp on Elandsberg was too small, and due the observed losses during the*

capture operation. This will have to be completed early next winter/late autumn 2017.

- *The cost for the capture was R71 136.00 (we had to pay for all 16 captured at R3900 per animal – quote was received before capture operations started)*
- *We paid a vet (Dr Dumpies Trichart) R2114.65 for post mortem of dead delivered animals (no clear result) and inspection of remaining animals at delivery site.*
- *My time pre capture preparing ID sheets and post capture updating records was R1500.00. Capture time was during normal Elandsberg work time.*
- *We charged the buyer R88 236.00 for capture and delivery of 11 animals. (R3000 per male (7 ½ delivered) , R4000 per female (3 delivered) and R3900 capture costs (11 captured).*
- *The capture operation made a profit of R13 485.35, we lost R15 000 due to deaths and R1500 on discount for a very young animal (2 weeks?) caught with its very stripy dam so R16 500 in potential revenue.*
- *Invoice has been generated by Patricia for the 11 animals, Patricia has also paid the capture and vet fees.*

PLANNED MOVEMENTS:

- Planned capture operations on Bontebok Ridge and Pampoenvlei where postponed (due to deaths and continued high temperatures)
- Still need to capture at these locations for delivery to Stellenbosch University once their fencing has been completed
- Three (medium range) animals have been put on a catalogue auction with Wildswinkel. This sale will be happening tomorrow Fri 17th March at Webersburg in Stellenbosch, it will be interesting to see what price they fetch?
 - Mike Gregor had a visit from Peter Knipe who is guy who has registered game breeds under Agriculture.
 - He is keen to register zebra, including the Quagga.
 - Louw Hoffman is on the panel which has been set up by WRSA to resolve the issue of the other breeds and Peter has registered moving from DEA to Agriculture and should be well placed to keep us updated.

QUAGGAS BORN:

- Animals have been born on Elandsberg, Bontebok Ridge, Pampoenvlei and Arc en Ciel during the summer
- The animal numbers and births have not yet been confirmed on Boland Landbou, Vlakkenhuiwel, Wedderwill, Kosierskraal



PE17

Bontebok Ridge

Peter

Emma

2017-02-12



TM17

Arc en Ciel

Tom

Mary

2017-01-01



TK16

Bontebok Ridge

Tim

Katya

2016-12-01



FJ17

Elandsberg

Finch

Julie

2017-01-15

QUAGGA HERD UPDATE

- Below the current herd update as at 13 March 2017

Current Herd as per 01 March 2017

| <u>Now At</u> | <u>QuaggaName</u> | <u>Studboo</u> | <u>Date of Birth</u> | <u>Sire</u> | <u>Dam</u> | <u>Sex</u> | |
|----------------|-------------------|----------------|----------------------|-------------|------------|------------|-----------|
| Arc en Ciel | Jemyma | 84 | 2007-01-10 | Bernard | Truida | F | |
| | Mary | 159 | 2011-12-01 | Tom | Truida | | |
| | Suzanne | 189 | 2013-08-15 | Tom | Jemyma | | |
| | Tamara | 201 | 2014-10-01 | Tom | Mary | | 4 |
| Arc en Ciel | Tom | 60 | 2005-10-15 | Etienne | Marjean | M | |
| | Oliver | 98 | 2008-01-11 | Bernard | Truida | | |
| | Craig | 167 | 2012-01-02 | Tom | Jemyma | | |
| | Fernando | 199 | 2014-10-10 | Tom | Jemyma | | 4 |
| Arc en Ciel | TM16 | 246 | 2016-01-01 | Tom | Mary | M/F | |
| | TJ16 | 234 | 2016-07-25 | Tom | Jemyma | | |
| | OS16 | 247 | 2016-08-01 | Oliver | Suzanne | | |
| | TJ17 | | 2016-08-01 | Tom | Jemyma | | |
| | TM17 | | 2017-01-01 | Tom | Mary | | 5 |
| Total | | | | | | | 13 |
| Boland Landbou | Lucia | 92 | 2008-01-20 | Ike | Marilyn | F | 1 |
| Boland Landbou | Hizette | 112 | 2009-04-04 | Douw | Strelza | M | |
| | DM12 | 198 | 2012-02-02 | Douw | Marylin | | |
| | Lance | 180 | 2012-10-01 | Douw | Lucia | | |
| | DM13 | 184 | 2013-02-02 | Douw | Marylin | | 4 |
| Boland Landbou | HL16 | 237 | 2016-04-06 | Hizette | Lucia | M/F | 1 |
| Total | | | | | | | 6 |
| Bontebok Ridge | Tracy | 18 | 2000-02-14 | Luke | Mariette | F | |
| | Margaret | 33 | 2003-03-22 | Ike | Strelza | | |
| | Katja | 147 | 2011-05-01 | Eric | Nelmarie | | |
| | Emma | 168 | 2012-01-05 | Tim | Tracy | | |
| | TM14 | 208 | 2014-03-01 | Tim | Margaret | | 5 |
| Bontebok Ridge | Tim | 21 | 2003-01-08 | George | Jeanetta | M | |
| | Peter | 139 | 2010-12-28 | Tim | Tracy | | |
| | Jock | 170 | 2012-02-14 | Tim | Margaret | | |
| | Red | 211 | 2014-07-01 | Tim | Tracy | | |

| <u>Now At</u> | <u>QuaggaName</u> | <u>Studboo</u> | <u>Date of Birth</u> | <u>Sire</u> | <u>Dam</u> | <u>Sex</u> | |
|------------------------|-------------------|----------------|----------------------|-------------|------------|------------|-----------------|
| | | | | | | | 4 |
| Bontebok Ridge | Maria | 186 | 2013-06-24 | Tim | Tracy | M/F | |
| | TS15 | 218 | 2015-01-20 | Tim | Stripes | | |
| | TM17 | | 2016-01-24 | Tim | Maria | | |
| | TS16 | 235 | 2016-02-01 | Tim | Stripes | | |
| | JT16 | 236 | 2016-02-10 | Jock | Tracy | | |
| | PM16 | | 2016-12-01 | Peter | Margaret | | |
| | TK16 | | 2016-12-01 | Tim | Katya | | |
| | PE17 | | 2017-02-12 | Peter | Emma | | |
| | | | | | | | 8 |
| | | | | | | | Total 17 |
| Elandsberg Farm | Whity | 25 | 2002-01-08 | Shaun | Jeanetta | F | |
| | Joy | 28 | 2002-09-11 | Luke | Mariette | | |
| | Anna | 73 | 2006-05-10 | George | Leslie | | |
| | Simone | 101 | 2008-12-28 | Duncan | Whity | | |
| | Julie | 127 | 2010-01-06 | Duncan | Joy | | |
| | Corlie | 190 | 2013-09-20 | Troy | Monica | | |
| | | | | | | | 6 |
| Elandsberg Farm | Josh | 64 | 2005-05-12 | Duncan | Whity | M | |
| | FJ11 | 162 | 2011-12-20 | Frank | Jacqui | | |
| | Finch | 169 | 2012-01-05 | Frank | Marlene | | |
| | DJ14 | 209 | 2014-06-01 | Duncan | Joy | | |
| | Julian | 223 | 2015-07-01 | Josh | Julie | | |
| | | | | | | | 5 |
| Elandsberg Farm | JJ11 | 166 | 2011-12-29 | Josh | Jeanetta | M/F | |
| | TE13 | 204 | 2013-12-12 | Troy | Marlene | | |
| | JS14 | 228 | 2014-02-01 | Josh | Simone | | |
| | JJ14 | 210 | 2014-07-01 | Josh | Julie | | |
| | TM15 | 255 | 2015-01-01 | Troy | Marlene | | |
| | JS15 | 256 | 2015-02-01 | Josh | Simone | | |
| | DJ15 | 257 | 2015-06-01 | Duncan | Joy | | |
| | TO15 | 258 | 2015-09-01 | Troy | Monica | | |
| | JJ16 | 259 | 2016-01-01 | Josh | Jeanetta | | |
| | JS16 | 248 | 2016-01-01 | Josh | Simone | | |
| | FJ16 | 247 | 2016-01-01 | Frank | Jacqui | | |
| | DW16 | 261 | 2016-01-01 | Duncan | Whity | | |
| | DJ16 | 260 | 2016-01-01 | Duncan | Joy | | |
| | JJ16 | 262 | 2016-07-01 | Josh | Julie | | |
| | | | | | | | 14 |

| <u>Now At</u> | <u>QuaggaName</u> | <u>Studboo</u> | <u>Date of Birth</u> | <u>Sire</u> | <u>Dam</u> | <u>Sex</u> | Total | 25 |
|----------------------|-------------------|----------------|----------------------|-------------|------------|------------|--------------|-----------|
| Groote Schuur | Gabi | 47 | 2004-11-20 | Paul | Erina | M | | |
| | Gordon | 69 | 2006-01-03 | Paul | Erina | | | |
| | Khumba | 140 | 2010-01-11 | Eric | Ria Rita | | | |
| | Hermon | 158 | 2011-11-12 | Eric | Ria Rita | | | |
| | Enya | 165 | 2011-12-28 | Eric | Lydia | | | 5 |
| | | | | | | | Total | 5 |
| Kosierskraal | Marjean | 19 | 2000-09-18 | Luke | Lulu | F | | |
| | Suzi | 58 | 2005-01-09 | Etienne | Tracy | | | |
| | Nonnie | 179 | 2012-10-01 | Robin | Marjean | | | |
| | Noel | 205 | 2013-12-25 | Robin | Marjean | | | 4 |
| Kosierskraal | Robin | 44 | 2004-01-11 | Luke | Amanda | M | | |
| | Michael | 125 | 2010-10-01 | Frank | Ryna | | | |
| | Vusi | 152 | 2011-08-01 | Robin | Marjean | | | |
| | Spring | 265 | 2016-09-01 | Michael | Nonnie | | | 4 |
| Kosierskraal | Francois | 254 | 2016-05-01 | Robin | Marjean | M/F | | 1 |
| | | | | | | | Total | 9 |
| Pampoenvlei | Elizabeth | 22 | 2001-05-11 | Shaun | Monica | F | | |
| | Rebecca | 34 | 2003-07-20 | George | Leslie | | | |
| | Nicola2 | 68 | 2006-03-01 | Ryan | Meintjie | | | |
| | Rosie | 134 | 2010-08-14 | Ryan | Rebecca | | | |
| | HN16 | 245 | 2016-08-10 | Henry | Nicola2 | | | 5 |
| Pampoenvlei | Henry | 52 | 2005-01-20 | Luke | Elizabeth | M | | |
| | Raulene | 82 | 2007-05-25 | Ryan | Elizabeth | | | |
| | HR15 | 250 | 2015-09-01 | Henry | Rosie | | | 3 |
| Pampoenvlei | RR12 | 176 | 2012-09-15 | Ryan | Rebecca | M/F | | |
| | HR13 | 191 | 2013-09-27 | Henry | Rosie | | | |
| | RE13 | 192 | 2013-10-01 | Ryan | Elizabeth | | | |
| | HN14 | 225 | 2014-08-01 | Henry | Nicola2 | | | |
| | HR14 | 244 | 2014-09-01 | Henry | Rosie | | | |
| | RE14 | 253 | 2014-10-01 | Ryan | Elizabeth | | | |
| | RR14 | 252 | 2014-11-01 | Ryan | Rebecca | | | |
| | HA15 | 251 | 2015-08-01 | Henry | Raulene | | | |

| <u>Now At</u> | <u>QuaggaName</u> | <u>Studboo</u> | <u>Date of Birth</u> | <u>Sire</u> | <u>Dam</u> | <u>Sex</u> | |
|---------------|-------------------|----------------|----------------------|-------------|------------|------------|-----------------|
| Pampoenvlei | HN15 | 226 | 2015-08-01 | Henry | Nicola2 | M/F | |
| | RE15 | 246 | 2015-11-01 | Ryan | Elizabeth | | 10 |
| | | | | | | | Total 18 |
| SMA | Susan | 124 | 2009-01-08 | Douw | Sandra | F | |
| | Frances | 114 | 2009-06-29 | Frank | Marlene | | |
| | Derica | 135 | 2010-01-09 | Douw | Sandra | | |
| | Frederica | 203 | 2013-12-10 | Freddy | Derica | | |
| | Becca | 229 | 2014-04-28 | Niel | Nina | | |
| | Patricia | 215 | 2014-09-22 | Mark | Marriette | | 6 |
| SMA | Freddy | 96 | 2008-04-09 | Etienne | Lydia | M | |
| | Gio | 145 | 2011-04-28 | Robin | Erna | | |
| | Eugene | 194 | 2013-11-05 | Freddy | Francis | | |
| | FF15 | 216 | 2015-01-05 | Freddy | Francis | | |
| | Lucky | 220 | 2015-02-01 | Freddy | Derica | | |
| | FS15 | 221 | 2015-02-16 | Freddy | Susan | | |
| | Ziggy | 263 | 2016-08-01 | Gio | Frederica | | 7 |
| SMA | FD16 | 264 | 2016-03-29 | Freddy | Derica | M/F | 1 |
| | | | | | | | Total 14 |
| Vlakkenhuiwel | Lydia | 59 | 2005-12-10 | Sebastian | Margaret | F | |
| | Ria Rita | 77 | 2006-11-20 | Sebastian | Margaret | | |
| | Nelmarie | 108 | 2009-12-01 | Ettienne | Margaret | | |
| | Elanor | 141 | 2010-05-11 | Eric | Lydia | | |
| | Erita | 181 | 2012-11-01 | Eric | Ria Rita | | |
| | Lyric | 182 | 2013-01-01 | Eric | Lydia | | |
| | Lenette | 206 | 2014-01-11 | Jack | Lydia | | |
| | EE16 | 243 | 2016-07-31 | Ernie | Erita | | 8 |
| Vlakkenhuiwel | Jack | 97 | 2008-09-25 | Tim | Tracy | M | |
| | Ernie | 171 | 2012-05-01 | Eric | Nelmarie | | |
| | JE13 | 202 | 2013-12-06 | Jack | Elanor | | |
| | JN14 | 207 | 2014-02-01 | Jack | Nelmarie | | |
| | JD14 | 213 | 2014-10-01 | Jack | Danelle | | |
| | JL15 | 222 | 2015-02-01 | Jack | Lydia | | |
| | JN15 | 224 | 2015-03-01 | Jack | Nelmarie | | 7 |
| | | | | | | | |

| <u>Now At</u> | <u>QuaggaName</u> | <u>Studboo</u> | <u>Date of Birth</u> | <u>Sire</u> | <u>Dam</u> | <u>Sex</u> | |
|----------------------|-------------------|----------------|----------------------|-------------|------------|------------|------------------------|
| Vlakkenhuiwel | JE15 | 217 | 2015-01-15 | Jack | Elanor | M/F | |
| | JR15 | 219 | 2015-02-01 | Jack | Ria Rita | | |
| | JR16 | 240 | 2016-02-01 | Jack | Ria Rita | | |
| | EL16 | 239 | 2016-02-01 | Ernie | Lyric | | |
| | JL16 | 238 | 2016-02-01 | Jack | Lydia | | |
| | JN16 | 242 | 2016-07-01 | Jack | Nelmarie | | |
| | JE16 | 244 | 2016-07-01 | Jack | Elanor | | 7 |
| | | | | | | | Total 22 |
| Wedderwill | Mariette | 8 | 1994-05-20 | Allan | Lulu | F | |
| | Amanda | 80 | 2001-04-03 | Alex | Melanie | | |
| | Lysie | 90 | 2007-12-28 | Nico | Griet | | |
| | Nina J | 120 | 2009-11-25 | Nico | Mariette | | |
| | Fleur | 143 | 2011-01-11 | Mark | Llysie | | |
| | Kayleigh | 225 | 2015-08-24 | Mark | Amanda | | |
| | Dani | 230 | 2015-10-15 | Mark | Marriette | | 7 |
| | | | | | | | 6 |
| Wedderwill | Mark | 62 | 2005-02-12 | Luke | Mariette | M | |
| | Niel | 106 | 2008-12-12 | Nico | Ashley | | |
| | Ross | 214 | 2014-11-11 | Mark | Lysie | | |
| | Kevin | 227 | 2015-09-20 | Neil | Fleur | | |
| | Phil | 231 | 2015-11-14 | Neil | Nina J | | |
| | Karl | 232 | 2015-11-15 | Mark | Llysie | | |
| | | | | | | | Total 13 |
| | | | | | | | Grand Total 142 |

MARCH TURBULL

- Prof Eric Harley, Bernard & Mike have had an interesting session with March Turnbull, who is known to the QPA. He could be an ideal person to be invited onto the quagga committee, being young (50), knowledgeable, enthusiastic, and, sensible. his Africa Geographic article to be one of the most well balanced articles on the Quagga Project so far.
- He is a journalist who is interested in getting involved in the QP.
- He wrote a great article in the Africa Geographic many years ago and has been out of environmental stuff for a while and is keen to help.
- He may be useful for the managing the PR over the transition phase we find ourselves in.
- I also had a visit from Peter Knipe who is guy who has registered game breeds under Agriculture.
- He is keen to register zebra, including the Quagga.
- If he does its no skin off our nose and will save us quite a bit of hassle.
- Louw is on the panel which has been set up by WRSA to resolve the issue of the other breeds Peter has registered moving from DEA to Agriculture an should be well placed to keep us updated.
- March's coments on the Project;
 - *I think you know that I am strong supporter of the Quagga Project and if I I can be of any use, please let me know. I have time and some skills but what I do not want to do is 'muscle in' or waste your time!*
 - *Speaking from a PR perspective, best of luck with committing to a home for the 'national herd'. I think that will simplify your story tremendously and perhaps clarify the animal husbandry going forward. First Prize may have been a National Park but 'Non-Profit team secures conservancy for third decade of Quagga Project' runs perfectly well.*
 - *I personally don't see any intellectual problem navigating the questions of relevance, colour variants, commercial opportunities, etc. They are all perfectly valid questions which can be answered with varying degrees of certainty.*
 - *The farmers, scientists and conservationists who make up the Quagga Project seem to me to have set themselves a very clear task: can selective breeding support the fascinating scientific theory that everything needed to reproduce a quagga is still alive in the plains zebra population?*

FILMING

- Bernard accompanied 5050 producer Sian Clark and presenter Ashmund Martin to Elandsberg where she filmed Prof Harley and Elandsberg tourism staff and then to Bontebok Ridge for filming of quagga and to Arc en Ciel for filming of close-ups
- March Turnbull assisted with picking them up at the airport and delivering them to Elandsberg and then transporting them back to Cape Town where they filmed at the museum.

PHOTOGRAPHS

- There has been a request from Shaun Benjamin of Arc Images to charge a monthly management fee as he is not making much on royalties – very few international publications have approached him for photographs, while he spends time providing local publications with photographs for free on the QP request
- Cost for hosting and managing – R195.00 per month

SOCIAL MEDIA ISSUES

- QPA is on Facebook, Twitter and website managed by Jerone
- The QP Facebook page has been managed and periodically updated by Jerome of Online Brand Ambassadors with questions being answered by Prof Harley
- Advertised our Instagram account (picture sharing) on our Facebook page and went from 20 to 90 followers overnight
- Amount of correspondence on the email account has reduced and Bernard managing to answer most email correspondence himself
- Ryno Joubert has completed his trip to Cape Town and went to view the animals at Groote Schuur and was very complimentary as to how brown and quagga like they are.

ARTICLES:

- **Quagga Genomes**
 - Eric Harley Believe found a paper that recently came out in which, as part of a general study on equids, is included a complete genome sequence of the quagga! Its a bit technical, but is attached FYI it as it should be put in the quagga archives
 - One interesting point relevant to the question as to whether the quagga had any special attributes (other than its pelage) for which we are not selecting, is an observation that there appears to have been some positive selection in the quagga for a particular gene which might be involved in behaviour modification.
- Interesting mail from a Peter Hodds of UK regarding an early Quagga specimen
 - *I thought you would like to see the attached image. It is a bone section on a standard 3x1 inch microscope slide, circa 1850s, by an, as yet, unidentified mounter.*
 - *I have yet to find evidence of the Quagga referred to as "Quagour", but it is likely to be just a mis-spelling or an archaic variation. I also understand that in the nineteenth-century the term Quagga was sometimes used for the Zebra.*
 - *I can provide an image of the bone structure of this specimen if it is of interest.*
 - *There are a few other slides (not related) by the same mounter that bear the inscribed initials "GLH".*
 - *See slide below*

