

## **Effectiveness of commercial harvesting in controlling feral-pig populations**

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**Table S1.** Density estimates from aerial surveys undertaken on QMDC study sites. Average densities are shown for years (2008 and 2009) where multiple surveys (n=3) were completed.

Site	Date surveyed	Density (pigs km <sup>-2</sup> )	SE	CV%
Crowders Creek	Nov 2007	4.34	1.72	39.69
	Mar 2008	1.65	0.88	53.28
	Aug 2008	2.10	1.41	67.00
	Nov 2008	0.48	0.36	74.40
	<i>Average (2008)</i>	<i>1.41</i>	<i>0.57</i>	<i>40.09</i>
	Apr 2009	2.20	1.29	58.45
	Aug 2009	0.34	0.33	96.80
	Nov 2009	2.55	2.07	81.37
	<i>Average (2009)</i>	<i>1.70</i>	<i>0.82</i>	<i>48.34</i>
	Apr 2010	2.55	1.36	53.36
Kindon	Nov 2007	1.20	0.95	78.68
	Mar 2008	1.01	0.88	87.10
	Aug 2008	1.40	0.79	56.82
	Nov 2008	1.01	0.73	72.40
	<i>Average (2008)</i>	<i>1.14</i>	<i>0.47</i>	<i>40.77</i>
	Apr 2009	0.51	0.37	73.32
	Aug 2009	0.51	0.50	99.49
	Nov 2009	0.95	0.59	62.52
	<i>Average (2009)</i>	<i>0.66</i>	<i>0.29</i>	<i>43.94</i>
	Apr 2010	1.71	0.55	31.86
Minnel	Nov 2007	0.48	0.53	111.05
	Mar 2008	0.53	0.44	83.54
	Aug 2008	0.64	0.64	100.00
	Nov 2008	0.00	0.00	
	<i>Average (2008)</i>	<i>0.39</i>	<i>0.26</i>	<i>66.46</i>
	Apr 2009	2.63	1.20	45.74
	Aug 2009	1.90	1.16	60.93
	Nov 2009	2.74	1.55	56.53
	<i>Average (2009)</i>	<i>2.42</i>	<i>0.76</i>	<i>31.33</i>
	Apr 2010	1.33	0.59	44.66
Nindigully	Nov 2007	0.00	0.00	
	Mar 2008	0.05	0.05	100.95
	Aug 2008	1.28	1.08	83.87
	Nov 2008	0.86	0.87	101.06
	<i>Average (2008)</i>	<i>0.73</i>	<i>0.46</i>	<i>63.13</i>
	Apr 2009	0.79	0.69	87.01
	Aug 2009	0.00	0.00	
	Nov 2009	0.40	0.36	91.68
	<i>Average (2009)</i>	<i>0.40</i>	<i>0.26</i>	<i>65.56</i>
	Apr 2010	0.59	0.31	52.78
Southwood	Nov 2007	0.93	0.59	62.97
	Mar 2008	4.44	2.02	45.56
	Aug 2008	2.43	1.46	60.06
	Nov 2008	0.98	0.50	50.61
	<i>Average (2008)</i>	<i>2.62</i>	<i>0.85</i>	<i>32.39</i>
	Apr 2009	1.86	1.06	57.08
	Aug 2009	1.58	1.05	66.35

	Nov 2009	2.89	1.33	45.93
	<i>Average (2009)</i>	<i>2.11</i>	<i>0.67</i>	<i>31.55</i>
	Apr 2010	3.51	1.64	46.67
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Talwood	Nov 2007	0.53	0.37	68.72
	Mar 2008	0.64	0.67	104.90
	Aug 2008	1.17	0.58	49.41
	Nov 2008	0.80	0.56	70.02
	<i>Average (2008)</i>	<i>0.87</i>	<i>0.35</i>	<i>40.14</i>
	Apr 2009	1.60	1.07	66.94
	Aug 2009	2.13	1.87	87.71
	Nov 2009	1.75	1.07	61.03
	<i>Average (2009)</i>	<i>1.83</i>	<i>0.80</i>	<i>43.85</i>
	Apr 2010	1.54	0.63	41.07
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**Table S2.** Density and average density estimates from aerial surveys undertaken on regional study sites in period immediately prior to and during the study period. Note: no averages provided where only one survey completed.

Site	Year surveyed	Density (pigs km <sup>-2</sup> )	SE	CV%
Barcaldine	2006	0.56	0.49	86.59
	2007	1.13	0.81	71.07
	2008	1.65	0.96	58.19
	2009	0.03	0.03	100.64
	2010	0.27	0.16	60.42
	<i>Average</i>	<i>0.73</i>	<i>0.27</i>	<i>37.14</i>
Blackall	2006	0.82	0.29	35.99
	2007	0.99	0.33	33.19
	2008	1.35	0.64	47.20
	2009	1.33	0.61	46.33
	2010	1.08	0.38	35.45
	<i>Average</i>	<i>1.11</i>	<i>0.21</i>	<i>19.07</i>
Bollon	2005	0.41	0.17	40.73
	2007	0.26	0.18	69.49
	2009	1.17	0.57	49.03
	2010	0.54	0.25	46.92
	<i>Average</i>	<i>0.59</i>	<i>0.17</i>	<i>28.32</i>
Charleville	2006	0.32	0.12	35.47
	2007	0.54	0.54	100.16
	2009	0.16	0.13	81.46
	2010	0.25	0.24	96.96
	<i>Average</i>	<i>0.32</i>	<i>0.15</i>	<i>48.51</i>
Charters Towers	2006	0.32	0.33	102.61
	2009	1.39	1.89	135.76
	<i>Average</i>	<i>0.86</i>	<i>0.95</i>	<i>110.35</i>
Cloncurry	2006	0.85	0.54	63.21
	2008	0.06	0.05	91.45
	<i>Average</i>	<i>0.45</i>	<i>0.18</i>	<i>39.74</i>
Cunnamulla	2006	0.43	0.39	90.23
	2008	0.58	0.35	60.22
	2010	0.52	0.30	58.94
	<i>Average</i>	<i>0.58</i>	<i>0.20</i>	<i>34.99</i>
Duchess	2006	0.06	0.05	99.24
Emerald	2010	0.07	0.07	106.63
Hughenden	2005	0.16	0.13	83.90
	2009	0.07	0.07	100.65
	2010	0.23	0.24	103.46
	<i>Average</i>	<i>0.15</i>	<i>0.09</i>	<i>61.75</i>
Hungerford	2005	0.38	0.26	67.65
	2007	0.57	0.29	51.82
	2009	0.79	0.26	33.02
	2010	1.46	0.75	51.64
	<i>Average</i>	<i>0.80</i>	<i>0.22</i>	<i>27.78</i>
Inglewood	2005	0.68	0.37	54.96
	2007	0.94	0.97	103.40
	2010	0.03	0.03	100.18

	<i>Average</i>	<i>0.55</i>	<i>0.12</i>	<i>22.66</i>
Injune	2005	0.27	0.27	100.39
	2008	0.20	0.20	100.53
	2010	0.73	0.78	106.02
	<i>Average</i>	<i>0.40</i>	<i>0.28</i>	<i>70.53</i>
Julia Creek	2006	0.73	0.44	60.16
	2008	0.32	0.17	53.37
	2010	0.48	0.20	41.33
	<i>Average</i>	<i>0.51</i>	<i>0.17</i>	<i>33.53</i>
Longreach	2005	1.50	0.83	55.67
	2007	0.91	0.28	30.49
	2009	0.76	0.55	72.52
	2010	0.60	0.31	51.19
	<i>Average</i>	<i>0.94</i>	<i>0.27</i>	<i>28.72</i>
Quilpie	2006	0.03	0.03	100.61
	2008	1.08	0.60	55.67
	2010	0.27	0.12	45.71
	<i>Average</i>	<i>0.76</i>	<i>0.20</i>	<i>26.91</i>
Roma	2006	0.96	0.43	44.64
	2007	0.23	0.25	109.16
	2009	0.71	0.34	48.37
	2010	0.88	0.57	64.22
	<i>Average</i>	<i>0.70</i>	<i>0.21</i>	<i>29.76</i>
Taroom	2005	0.20	0.20	101.00
	2010	0.13	0.01	8.95
	<i>Average</i>	<i>0.16</i>	<i>0.10</i>	<i>60.54</i>
Westmar	2006	1.53	0.55	35.96
	2008	2.07	0.99	47.99
	2010	1.50	0.53	35.63
	<i>Average</i>	<i>1.70</i>	<i>0.42</i>	<i>24.62</i>
Windorah	2006	0.24	0.16	64.70
	2007	0.40	0.40	99.54
	2008	0.03	0.03	100.51
	2009	1.01	0.61	60.58
	2010	0.08	0.06	74.27
	<i>Average</i>	<i>0.35</i>	<i>0.15</i>	<i>42.62</i>
Winton	2006	0.38	0.19	50.85
	2008	0.17	0.21	123.64
	2010	0.26	0.14	54.47
	<i>Average</i>	<i>0.27</i>	<i>0.11</i>	<i>39.20</i>