

**Appendix** Summary of ducks marked with transmitters at Poyang Lake, Jiangxi Province, China in January-February, 2015.

Tag	Farm No.	County	Sex	Breed	Type	Husbandry	Days (D)	Messages	Fixes (F)	Successful Fixes (%) <sup>1)</sup>	MCP (m <sup>2</sup> )	Likely Outcome
4103	24	Nanchang	Female	Domestic	Layer	Caged	17	17	43	84.3	7400	Battery exhausted
4105	23	Nanchang	Female	Mallard	Layer	Free-ranging with daily return	21	19	34	54.0	21200	Battery exhausted
4117	14	Nanchang	Male	Domestic	Broiler	Free-ranging with daily return	22	21	35	53.0	5200	Battery exhausted
4118	28	Nanchang	Female	Domestic	Broiler	Free-ranging with daily return	11	5	7	21.2	7000	Battery exhausted (shortened indoors)
4135	1	Jinxian	Female	Domestic	Broiler	Unrestricted (long distance) free-ranging	6	5	16	88.9	2450000	Unknown
4136	12	Nanchang	Female	Mallard	Broiler	Caged	24	21	35	48.6	1700	Battery exhausted
4142	16	Xinjian	Male	Domestic	Broiler	Free-ranging	1	1	2	66.7	N/A	Tag removed
4149	20	Xinjian	Male	Muscovy	Broiler	Caged	17	14	24	47.1	2200	Battery exhausted (shortened indoors)
4152	4	Yugan	Male	Domestic	Broiler	Free-ranging	31	23	72	77.4	26700	Transported, battery exhausted
4154	25	Nanchang	Female	Domestic	Layer	Free-ranging with daily return	19	18	22	38.6	6040	Battery exhausted
4155	13	Nanchang	Female	Mallard	Broiler	Caged	35	34	99	94.3	1240	Battery exhausted
4156	6	Yongxiu	Female	Domestic	Broiler	Caged	16	16	13	27.1	270	Transported, tag removed between 12-15 Jan
4157	20	Xinjian	Male	Muscovy	Broiler	Caged	18	14	21	38.9	775	Battery exhausted (shortened indoors)
4158	6	Yongxiu	Male	Domestic	Broiler	Caged	19	17	23	40.4	10400	Battery exhausted
4159	5	Yugan	Female	Domestic	Layer	Free-ranging with daily return	23	22	63	91.3	147000	Battery exhausted
4161	21	Xinjian	Female	Domestic	Layer	Caged	9	8	16	59.3	2900	Transported, battery exhausted (shortened indoors)
4162	19	Xinjian	Female	Domestic	Layer	Free-ranging with daily return	4	4	4	33.3	N/A	Transported, tag removed
4164	8	Yongxiu	Female	Domestic	Broiler	Free-ranging with daily return	19	19	25	43.9	14300	Battery exhausted
4165	27	Nanchang	Female	Domestic	Layer	Caged	19	15	26	45.6	3110	Battery exhausted, (shortened indoors)
4169	24	Nanchang	Female	Domestic	Layer	Caged	20	19	29	48.3	2780	Battery exhausted (shortened indoors)
4170	7	Yongxiu	Female	Domestic	Broiler	Free-ranging	15	12	14	31.1	49200	Transported, battery exhausted
4171	6	Yongxiu	Male	Domestic	Broiler	Caged	25	25	41	54.7	19300	Transported, tag removed

4172	17	Xinjian	Female	Domestic	Layer	Free-ranging with daily return	22	19	20	30.3	11000	Battery exhausted
4173	3	Yugan	Male	Domestic	Broiler	Free-ranging	30	29	65	72.2	268000	Battery exhausted
4174	28	Nanchang	Female	Domestic	Broiler	Free-ranging with daily return	11	6	10	30.3	4870	Battery exhausted (shortened indoors)
4175	7	Yongxiu	Male	Domestic	Broiler	Free-ranging	27	25	66	81.5	19300	Transported, tag removed
4176	11	Nanchang	Female	Domestic	Layer	Free-ranging with daily return	16	14	22	45.8	4800	Battery exhausted
4177	23	Nanchang	Female	Domestic	Layer	Caged	2	2	5	83.3	352	Unknown
4178	25	Nanchang	Female	Domestic	Layer	Caged	16	16	47	97.9	985	Battery exhausted
4179	26	Nanchang	Female	Domestic	Layer	Free-ranging with daily return	23	18	46	66.7	3980	Battery exhausted
4180	10	Yugan	Male	Mallard	Broiler	Free-ranging	32	20	70	72.9	91900	Battery exhausted
4181	2	Nanchang	Male	Domestic	Broiler	Free-ranging	26	25	55	70.5	8160	Battery exhausted
4182	6	Yongxiu	Male	Domestic	Broiler	Caged	5	5	15	100.0	2850	Unknown
4183	9	Yugan	Male	Domestic	Broiler	Free-ranging with daily return	18	16	40	74.1	34100	Battery exhausted
4184	15	Xinjian	Female	Domestic	Broiler	Free-ranging	34	11	50	49.0	27500	Battery exhausted
4185	22	Nanchang	Female	Domestic	Layer	Free-ranging with daily return	20	20	24	40.0	1620	Battery exhausted (shortened indoors)
4186	6	Yongxiu	Male	Domestic	Broiler	Caged	19	18	15	26.3	1420	Transported, tag removed
4187	18	Xinjian	Female	Domestic	Layer	Free-ranging with daily return	32	25	84	87.5	418000	Battery exhausted
4188	24	Nanchang	Female	Domestic	Layer	Free-ranging with daily return	19	19	18	31.6	703	Transported, battery exhausted
4189	1	Jinxian	Female	Domestic	Broiler	Unrestricted (long distance) free-ranging	25	22	60	80.0	3080000	Battery exhausted

<sup>1)</sup> Successful Fixes (%) was calculated from the number of valid fixes (F) and the expected number of collectable fixes in ideal conditions over working telemetry days (three fixes per day; D×3)