






Supplemental Information: How to avoid the camera trap: the effect of camera settings on occupancy analysis and photo data workload

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Conflicts of Interest

The authors have no conflicts of interest with the research and results in this manuscript.

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Supplemental Information

Table S1. Single camera occupancy model results

Species	Study area	Year	Delay	Occupancy	Occupancy SE	Detection	Detection SE
Fisher	Sierra Nevada	2017	30	0.17	0.02	0.09	0.01
Fisher	Sierra Nevada	2017	60	0.17	0.02	0.1	0.01
Fisher	Sierra Nevada	2017	90	0.17	0.02	0.1	0.01
Fisher	Sierra Nevada	2017	120	0.17	0.02	0.1	0.01
Fisher	Sierra Nevada	2017	300	0.16	0.02	0.1	0.01
Black Bear	Sierra Nevada	2017	30	0.7	0.02	0.16	0.01
Black Bear	Sierra Nevada	2017	60	0.69	0.02	0.15	0.01
Black Bear	Sierra Nevada	2017	90	0.69	0.02	0.15	0.01
Black Bear	Sierra Nevada	2017	120	0.69	0.02	0.15	0.01
Black Bear	Sierra Nevada	2017	300	0.67	0.03	0.15	0.01
Gray Fox	Sierra Nevada	2017	30	0.29	0.02	0.14	0.01
Gray Fox	Sierra Nevada	2017	60	0.28	0.02	0.14	0.01
Gray Fox	Sierra Nevada	2017	90	0.28	0.02	0.14	0.01
Gray Fox	Sierra Nevada	2017	120	0.28	0.02	0.14	0.01
Gray Fox	Sierra Nevada	2017	300	0.28	0.02	0.14	0.01
Fisher	Sierra Nevada	2019	15	0.13	0.02	0.12	0.01
Fisher	Sierra Nevada	2019	30	0.13	0.02	0.12	0.01
Fisher	Sierra Nevada	2019	60	0.13	0.02	0.12	0.01
Fisher	Sierra Nevada	2019	90	0.13	0.02	0.12	0.01
Fisher	Sierra Nevada	2019	120	0.13	0.02	0.12	0.01
Fisher	Sierra Nevada	2019	300	0.13	0.02	0.12	0.01
Black Bear	Sierra Nevada	2019	15	0.68	0.03	0.2	0.01
Black Bear	Sierra Nevada	2019	30	0.68	0.03	0.2	0.01
Black Bear	Sierra Nevada	2019	60	0.68	0.03	0.2	0.01
Black Bear	Sierra Nevada	2019	90	0.68	0.03	0.2	0.01
Black Bear	Sierra Nevada	2019	120	0.68	0.03	0.2	0.01
Black Bear	Sierra Nevada	2019	300	0.68	0.03	0.19	0.01
Gray Fox	Sierra Nevada	2019	15	0.22	0.02	0.14	0.01
Gray Fox	Sierra Nevada	2019	30	0.22	0.02	0.14	0.01



Gray Fox	Sierra Nevada	2019	60	0.22	0.02	0.14	0.01
Fisher	Southwest Oregon	2016	5	0.05	0.02	0.06	0.02
Fisher	Southwest Oregon	2016	15	0.04	0.02	0.06	0.02
Fisher	Southwest Oregon	2016	30	0.04	0.02	0.06	0.02
Fisher	Southwest Oregon	2016	60	0.04	0.02	0.06	0.03
Fisher	Southwest Oregon	2016	90	0.04	0.02	0.06	0.03
Fisher	Southwest Oregon	2016	120	0.03	0.01	0.07	0.03
Fisher	Southwest Oregon	2016	300	0.03	0.02	0.06	0.03
Black Bear	Southwest Oregon	2016	5	0.38	0.03	0.11	0.01
Black Bear	Southwest Oregon	2016	15	0.38	0.03	0.11	0.01
Black Bear	Southwest Oregon	2016	30	0.38	0.03	0.11	0.01
Black Bear	Southwest Oregon	2016	60	0.37	0.03	0.11	0.01
Black Bear	Southwest Oregon	2016	90	0.37	0.03	0.11	0.01
Black Bear	Southwest Oregon	2016	120	0.37	0.03	0.11	0.01
Black Bear	Southwest Oregon	2016	300	0.36	0.03	0.1	0.01
Gray Fox	Southwest Oregon	2016	5	0.2	0.02	0.22	0.01
Gray Fox	Southwest Oregon	2016	15	0.2	0.02	0.21	0.01
Gray Fox	Southwest Oregon	2016	30	0.2	0.02	0.21	0.01
Gray Fox	Southwest Oregon	2016	60	0.2	0.02	0.21	0.01
Gray Fox	Southwest Oregon	2016	90	0.2	0.02	0.2	0.01
Gray Fox	Southwest Oregon	2016	120	0.2	0.02	0.2	0.01
Gray Fox	Southwest Oregon	2016	300	0.19	0.02	0.2	0.01



Table S2. Camera sample unit model results

Species	Study area	Year	Delay	Occupancy	Occupancy SE	Detection	Detection SE
Fisher	Sierra Nevada	2017	30	0.26	0.04	0.11	0.01
Fisher	Sierra Nevada	2017	60	0.26	0.04	0.11	0.01
Fisher	Sierra Nevada	2017	90	0.26	0.04	0.11	0.01
Fisher	Sierra Nevada	2017	120	0.26	0.04	0.11	0.01
Fisher	Sierra Nevada	2017	300	0.26	0.04	0.11	0.01
Fisher	Sierra Nevada	2019	15	0.18	0.03	0.16	0.02
Fisher	Sierra Nevada	2019	30	0.18	0.03	0.16	0.02
Fisher	Sierra Nevada	2019	60	0.18	0.03	0.16	0.02
Fisher	Sierra Nevada	2019	90	0.18	0.03	0.16	0.02
Fisher	Sierra Nevada	2019	120	0.18	0.03	0.16	0.02
Fisher	Sierra Nevada	2019	300	0.18	0.03	0.16	0.02
Black Bear	Sierra Nevada	2017	30	0.83	0.03	0.23	0.01
Black Bear	Sierra Nevada	2017	60	0.82	0.03	0.22	0.01
Black Bear	Sierra Nevada	2017	90	0.82	0.03	0.22	0.01
Black Bear	Sierra Nevada	2017	120	0.82	0.03	0.22	0.01
Black Bear	Sierra Nevada	2017	300	0.79	0.03	0.22	0.01
Black Bear	Sierra Nevada	2019	15	0.83	0.03	0.27	0.01
Black Bear	Sierra Nevada	2019	30	0.83	0.03	0.27	0.01
Black Bear	Sierra Nevada	2019	60	0.83	0.03	0.27	0.01
Black Bear	Sierra Nevada	2019	90	0.83	0.03	0.27	0.01
Black Bear	Sierra Nevada	2019	120	0.83	0.03	0.27	0.01
Black Bear	Sierra Nevada	2019	300	0.83	0.03	0.26	0.01
Gray Fox	Sierra Nevada	2017	30	0.43	0.04	0.15	0.01
Gray Fox	Sierra Nevada	2017	60	0.42	0.04	0.16	0.01
Gray Fox	Sierra Nevada	2017	90	0.42	0.04	0.16	0.01
Gray Fox	Sierra Nevada	2017	120	0.42	0.04	0.16	0.01
Gray Fox	Sierra Nevada	2017	300	0.42	0.04	0.15	0.01
Gray Fox	Sierra Nevada	2019	15	0.37	0.04	0.14	0.01
Gray Fox	Sierra Nevada	2019	30	0.37	0.04	0.14	0.01
Gray Fox	Sierra Nevada	2019	60	0.37	0.04	0.14	0.01
Gray Fox	Sierra Nevada	2019	90	0.37	0.04	0.14	0.01



Gray Fox	Sierra Nevada	2019	120	0.37	0.04	0.14	0.01
Gray Fox	Sierra Nevada	2019	300	0.36	0.04	0.14	0.01
Fisher	Southwest Oregon	2016	5	0.1	0.03	0.07	0.02
Fisher	Southwest Oregon	2016	15	0.08	0.02	0.08	0.02
Fisher	Southwest Oregon	2016	30	0.09	0.03	0.07	0.02
Fisher	Southwest Oregon	2016	60	0.1	0.03	0.06	0.02
Fisher	Southwest Oregon	2016	90	0.1	0.03	0.06	0.02
Fisher	Southwest Oregon	2016	120	0.08	0.03	0.07	0.02
Fisher	Southwest Oregon	2016	300	0.08	0.03	0.07	0.02
Black Bear	Southwest Oregon	2016	5	0.44	0.04	0.16	0.01
Black Bear	Southwest Oregon	2016	15	0.44	0.04	0.16	0.01
Black Bear	Southwest Oregon	2016	30	0.44	0.04	0.16	0.01
Black Bear	Southwest Oregon	2016	60	0.44	0.04	0.16	0.01
Black Bear	Southwest Oregon	2016	90	0.44	0.04	0.15	0.01
Black Bear	Southwest Oregon	2016	120	0.43	0.04	0.15	0.01
Black Bear	Southwest Oregon	2016	300	0.45	0.04	0.13	0.01
Gray Fox	Southwest Oregon	2016	5	0.35	0.04	0.27	0.01
Gray Fox	Southwest Oregon	2016	15	0.35	0.04	0.27	0.01
Gray Fox	Southwest Oregon	2016	30	0.35	0.04	0.27	0.01
Gray Fox	Southwest Oregon	2016	60	0.35	0.04	0.26	0.01
