

Appendix D Robustness Checks with Joint RP-CB Data in KT Models**Table D1. Selected Kuhn-Tucker Model Parameter Estimates (Joint RP and CB)**

	2018	2019	2020
Baseline marginal utility parameters (β_j)			
CWD	-6.075 (8.477)	-11.834 (9.546)	-10.295 (7.576)
October scenario	0.272*** (0.044)	0.205*** (0.070)	0.220*** (0.039)
December scenario	0.380*** (0.048)	0.274*** (0.060)	0.280*** (0.041)
Extra tags scenario	0.632*** (0.065)	0.654*** (0.093)	0.688*** (0.050)
Gift cards scenario	0.331*** (0.086)	0.272** (0.106)	0.445*** (0.056)
Extended season	-0.123*** (0.047)	-0.194*** (0.063)	-0.148*** (0.033)
RP	0.334*** (0.042)	0.258*** (0.063)	0.347*** (0.037)
College	-0.027 (0.040)	-0.011 (0.044)	-0.043 (0.027)
Urban	0.058 (0.045)	0.056 (0.044)	0.033 (0.024)
Children	-0.120** (0.050)	-0.113* (0.061)	-0.069* (0.039)
Years of hunt	-0.012 (0.015)	0.023 (0.015)	-0.014* (0.008)
Satiation parameter (α)	0.158*** (0.022)	0.182*** (0.037)	0.246*** (0.017)
Scale parameter (σ)	0.567*** (0.010)	0.552*** (0.012)	0.546*** (0.008)
Number of observations	1921	1211	3108
Number of respondents	636	330	873
Log-likelihood	-20519.14	-12403.07	-31528.47

Note:

This table reports selected estimates for KT model parameters with RP and CB data. The specification is the same as the model in Table 4 except that the RP coefficient is for a dummy variable that captures the difference between RP and CB data.

Standard errors computed using 50 multivariate normal draws are in parentheses. * $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Table D2. Welfare Estimates (CAD\$) Per Trip of Closing Selected Sites (Joint RP and CB)

Per person
(i.e. averaging over all respondents in each survey)

Site	2018			2019			2020		
	Mean	Low	High	Mean	Low	High	Mean	Low	High
148	-2.40	-2.80	-1.89	-3.71	-4.79	-3.06	-2.40	-2.87	-2.13
150	-3.03	-3.98	-2.51	-4.01	-5.12	-2.75	-2.50	-3.00	-2.04
151	-4.92	-6.16	-3.95	-3.40	-4.09	-2.54	-4.40	-4.93	-3.84
152	-2.55	-3.10	-2.15	-3.32	-3.95	-2.35	-1.98	-2.26	-1.72
163	-3.65	-4.54	-2.93	-3.79	-4.71	-2.88	-3.14	-3.64	-2.69
200	-3.52	-4.25	-2.83	-7.25	-8.84	-5.67	-6.28	-7.07	-5.65
202	-3.16	-3.94	-2.58	-3.50	-4.49	-2.70	-3.55	-4.06	-3.12
234	-3.79	-4.36	-3.08	-4.38	-5.25	-3.45	-5.35	-6.09	-4.62
236	-1.40	-1.70	-1.12	-1.53	-2.03	-0.98	-2.08	-2.33	-1.70
728	-2.96	-3.76	-2.27	-0.32	-0.50	-0.12	-0.86	-1.14	-0.62
730	-1.76	-2.34	-1.25	-0.56	-0.98	-0.30	-0.12	-0.22	-0.05

Per participant
(i.e. averaging over respondents who would have taken at least 1 trip to the site in each survey)

Site	2018			2019			2020		
	Mean	Low	High	Mean	Low	High	Mean	Low	High
148	-59	-69	-47	-64	-83	-53	-56	-67	-50
150	-99	-130	-82	-88	-113	-61	-76	-91	-62
151	-99	-123	-79	-94	-113	-70	-96	-107	-83
152	-57	-69	-48	-57	-67	-40	-53	-60	-46
163	-106	-132	-85	-96	-119	-73	-92	-107	-79
200	-93	-112	-75	-99	-120	-77	-95	-107	-86
202	-72	-90	-59	-88	-113	-68	-70	-80	-62
234	-68	-78	-55	-74	-88	-58	-73	-83	-63
236	-39	-47	-31	-74	-98	-47	-56	-63	-46
728	-90	-115	-69	-48	-75	-18	-96	-126	-68
730	-130	-173	-92	-113	-199	-60	-75	-139	-32

Note:

This table reports the average welfare estimates per trip of closing sites (one at a time) with high CWD prevalence and all CB scenarios applied.

Welfare estimates per person are calculated by averaging welfare estimates over the whole sample for each survey. Welfare estimates per participant are calculated by averaging welfare estimates over respondents who would have taken at least 1 trip to corresponding sites in each survey.

Low and high are 95% confidence intervals of the mean estimates calculated from 30 simulations with 50 individual conditional error draws.

Figure D1. Percentage of Temporally Reliable Coefficient and Welfare Estimates (Joint RP and CB)

