

Supplementary File

Table S1: Estimation results of tree height (CH), mean crown width (CW) and aboveground biomass (AGB) obtained from the ITCs delineated using watershed and DBA methods.

Attribute	Method	Quantile	RMSE (m)	RMSE (%)	Bias (m)	Bias (%)
CH	Watershed	Q1	7.85	64.08	3.17	25.87
CH	DBA	Q1	6.09	49.77	2.43	19.81
CH	Watershed	Q2	5.41	27.21	2.53	12.71
CH	DBA	Q2	5.98	30.05	2.78	13.97
CH	Watershed	Q3	6.63	21.45	4.18	13.52
CH	DBA	Q3	9.42	30.46	7.23	23.39
CH	Watershed	Q4	3.84	9.48	1.31	3.25
CH	DBA	Q4	6.30	15.58	3.49	8.62
CW	Watershed	Q1	0.64	29.49	-0.34	-15.79
CW	DBA	Q1	0.94	43.05	-0.53	-24.46
CW	Watershed	Q2	1.03	21.43	-0.72	-14.87
CW	DBA	Q2	1.30	26.99	-0.46	-9.63
CW	Watershed	Q3	1.62	25.24	-0.48	-7.41
CW	DBA	Q3	1.42	22.03	-0.39	-6.11
CW	Watershed	Q4	2.10	20.32	-0.95	-9.2
CW	DBA	Q4	1.90	18.46	0.13	1.3
Attribute	Method	Quantile	RMSE (Kg/tree)	RMSE (%)	Bias (Kg/tree)	Bias (%)
AGB	Watershed	Q1	474.52	474.1	222.35	222.15
AGB	DBA	Q1	208.81	208.63	111.19	111.09
AGB	Watershed	Q2	653.38	148.28	343.41	77.93
AGB	DBA	Q2	514.83	116.84	262.97	59.68
AGB	Watershed	Q3	728.49	50.33	-319.80	-22.09
AGB	DBA	Q3	608.02	42.01	-185.43	-12.81
AGB	Watershed	Q4	3295.26	69.61	-2860.78	-60.43
AGB	DBA	Q4	2707.85	57.2	-2294.23	-48.46

*Note: The quantile was calculated based of field-reference data