

Appendix D (2): Roughness Sensitivity analysis (mAOD)					
Node Label	100yr with normal roughness (A)	Roughness-20% (B)	A-B (m)	Roughness-20% (C)	C-A (m)
CIND2886	166.41	166.38	0.04	166.46	0.05
CIND2862	166.24	166.24	0.00	166.24	0.00
CIND2839	166.25	166.25	0.00	166.25	0.00
CIND2802	165.39	165.35	0.04	165.43	0.04
CIND2778	165.41	165.40	0.00	165.41	0.00
CIND2750	165.42	165.42	0.00	165.42	0.00
CIND2736	163.85	163.77	0.08	163.91	0.06
CIND2702	163.07	162.99	0.08	163.15	0.08
CIND2702D	163.07	162.99	0.08	163.15	0.08
CIND2638	162.60	162.57	0.03	162.62	0.03
CIND2634	161.41	161.35	0.07	161.48	0.07
CIND2603	161.04	161.04	0.00	161.05	0.00
CIND2603D	160.37	160.30	0.07	160.46	0.09
CIND2556	160.23	160.23	0.00	160.23	0.00
CIND2556D	159.63	159.60	0.03	159.67	0.04
CIND2518	159.36	159.35	0.00	159.36	0.00
CIND2518D	159.15	159.04	0.11	159.23	0.08
CIND2511	159.08	158.98	0.09	159.11	0.03
CIND2511D	159.07	158.98	0.09	159.11	0.03
CIND2465	158.76	158.64	0.13	158.83	0.06
CIND2465D	158.75	158.60	0.14	158.81	0.06
CIND2421	158.33	158.29	0.04	158.34	0.01
CIND2421D	158.30	158.25	0.05	158.31	0.01
CIND2405	158.25	158.16	0.09	158.22	-0.03
CIND2368	157.99	157.94	0.05	158.01	0.02
CIND2336	158.04	157.98	0.06	158.05	0.01
CIND2336D	157.91	157.74	0.17	157.95	0.05
CIND2318	157.36	157.29	0.06	157.50	0.14
CIND2318D	157.32	157.25	0.07	157.47	0.15
CIND2298	157.03	156.94	0.09	157.13	0.09
CIND2298D	156.72	156.64	0.08	156.82	0.10
CIND2284	156.61	156.49	0.12	156.71	0.10
CIND2258	156.48	156.38	0.11	156.54	0.06
CIND2224	156.50	156.38	0.12	156.54	0.05
CIND2224D	156.33	156.20	0.13	156.40	0.07
CIND2215	156.29	156.15	0.14	156.36	0.08
CIND2215D	156.16	156.08	0.09	156.22	0.05
CIND2211	155.90	155.79	0.10	155.99	0.09
CIND2211W	156.16	156.08	0.09	156.22	0.05
CIND2186	155.64	155.54	0.10	155.66	0.02
CIND2113	154.98	154.87	0.11	155.06	0.07
CIND2039	154.50	154.47	0.04	154.55	0.04
CIND2039D	154.50	154.46	0.04	154.54	0.04
CIND1988	153.93	153.93	0.00	153.93	0.00
CIND1852	152.88	152.76	0.12	152.93	0.05
CIND1754U	152.59	152.46	0.13	152.61	0.02
CIND1754	152.59	152.46	0.13	152.61	0.02
CIND1699	152.45	152.28	0.17	152.46	0.01
CIND1699D	152.09	151.61	0.47	152.19	0.10

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CIND1674	152.06	151.66	0.40	152.17	0.11
CIND1599U	152.05	151.63	0.41	152.16	0.11
CIND1599	151.54	151.02	0.51	151.60	0.07
CIND1553	151.31	150.87	0.44	151.33	0.02
CIND1464	151.32	150.88	0.44	151.31	-0.01
CIND1438	149.50	149.35	0.15	149.51	0.01
CIND1403	149.48	149.36	0.12	149.44	-0.05
CIND1379	148.61	148.39	0.22	148.75	0.14
CIND1315	148.37	148.13	0.24	148.46	0.09
CIND1197	148.21	148.00	0.22	148.25	0.04
CIND1171	147.35	147.14	0.21	147.45	0.09
CIND1141	147.44	147.27	0.17	147.49	0.06
CIND1085	147.41	147.25	0.15	147.45	0.04
CIND1085D	147.41	147.25	0.15	147.45	0.04
CIND1033	147.39	147.24	0.15	147.42	0.03
CIND1020	146.95	146.84	0.11	147.00	0.05
CIND985	146.91	146.81	0.10	146.94	0.04
CIND974	146.69	146.63	0.06	146.70	0.01
CIND958	145.62	145.43	0.19	145.77	0.15
CIND985D	146.86	146.78	0.08	146.90	0.03
CIND895	144.52	144.35	0.17	144.62	0.10
CIND895D	144.50	144.32	0.18	144.60	0.10
CIND860	144.35	144.19	0.16	144.46	0.11
CIND810	144.25	144.12	0.13	144.34	0.09
CIND744U	144.18	144.08	0.10	144.25	0.07
CIND744	144.18	144.08	0.10	144.25	0.07
CIND658	143.91	143.88	0.03	143.91	0.00
CIND658D	143.73	143.62	0.11	143.80	0.08
CIND609	143.33	143.23	0.10	143.39	0.06
CIND499	142.95	142.74	0.22	143.11	0.15
CIND457	142.96	142.79	0.16	143.10	0.14
CIND446U	142.96	142.80	0.16	143.10	0.14
CIND446	142.96	142.80	0.16	143.10	0.14
CIND421	142.94	142.78	0.16	143.08	0.14
CIND389	142.91	142.74	0.16	143.06	0.15
CIND375	142.88	142.71	0.17	143.03	0.15
CIND340	142.74	142.50	0.24	142.93	0.19
CIND298	142.63	142.36	0.27	142.84	0.21
CIND252	142.52	142.19	0.33	142.76	0.23
CIND209	142.52	142.21	0.31	142.74	0.22
CIND158	142.52	142.22	0.30	142.74	0.22
CIND140	140.25	140.08	0.17	140.45	0.20
CIND81	140.22	140.09	0.13	140.41	0.18
CIND772_Gre	156.16	156.08	0.09	156.22	0.05
CIND729_Gre	156.05	155.96	0.09	156.10	0.05
CIND666_Gre	155.91	155.81	0.10	155.96	0.04
CIND579_Gre	155.12	155.06	0.05	155.20	0.08
CIND424_Gre	153.99	153.99	0.00	154.00	0.01
CIND350_Gre	153.87	153.92	-0.05	153.83	-0.04

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<b>Node Label</b>	<b>100yr with normal roughness (A)</b>	<b>Roughness-20% (B)</b>	<b>A-B (m)</b>	<b>Roughness-20% (C)</b>	<b>C-A (m)</b>
CIND350_GreD	153.68	153.71	-0.02	153.66	-0.02
CIND340_Gre	153.67	153.70	-0.03	153.64	-0.03
CIND_Pond1in	153.53	153.42	0.11	153.52	-0.02
CIND222_Gre	153.52	153.41	0.11	153.51	-0.02
CIND212_Gre	153.51	153.40	0.11	153.50	-0.01
CIND175_Gre	153.51	153.40	0.11	153.50	-0.01
CIND138_Gre	153.45	153.32	0.13	153.44	-0.01
CIND138GreD	153.35	153.21	0.13	153.36	0.01
CIND67_Gre	152.75	152.68	0.07	152.76	0.01
CIND14_Gre	152.58	152.44	0.14	152.60	0.02
CIND14_GreD	152.59	152.46	0.13	152.61	0.02
CIND26_BGre	142.96	142.80	0.16	143.10	0.15
CIND4_BGre	142.96	142.80	0.16	143.10	0.14
CIND4D_BGre	142.96	142.80	0.16	143.10	0.14

Maximum (m)			0.51		0.23
Minimum (m)			-0.05		-0.05
Average (m)			0.13		0.07