

Table C-4: Crowned Ridge Sound Level Tabular Results Sorted by Sound Level
Realistic case sound results 25 ft from occupied structures perimeter
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codington County

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C41-NP	Non-P	665,053	4,992,084	576.1	45.0	2,359
CR1-C34-NP	Non-P	658,661	4,990,389	589.1	44.7	1,726
CR1-C52-NP	Non-P	654,924	4,995,231	603.0	44.7	1,883
CR1-C46-NP	Non-P	655,802	4,993,540	609.7	44.6	1,680
CR1-C9-NP	Non-P	665,352	4,985,004	609.0	44.5	1,621
CR1-C61-NP	Non-P	656,690	4,997,831	612.0	44.3	1,686
CR1-C107-NP	Non-P	656,811	4,999,855	598.8	44.1	1,401
CR1-C62-NP	Non-P	658,375	4,995,138	615.0	44.1	1,676
CR1-C44-NP	Non-P	665,076	4,993,095	578.2	44.0	2,155
CR1-C58-NP	Non-P	657,781	4,996,906	615.0	43.9	1,647
CR1-C14-NP	Non-P	657,982	4,985,894	609.0	43.5	1,880
CR1-C31-NP	Non-P	665,939	4,988,950	585.4	43.5	2,126
CR1-C16-NP	Non-P	661,960	4,986,288	606.0	43.3	2,736
CR1-C39-NP	Non-P	660,144	4,991,670	588.0	42.3	2,605
CR1-C105-NP	Non-P	658,372	5,001,257	601.5	42.2	2,549
CR1-C63-NP	Non-P	658,566	4,995,254	612.6	42.2	2,408
CR1-C28-NP	Non-P	665,429	4,988,598	590.8	42.1	2,831
CR1-C60-NP	Non-P	656,855	4,998,565	613.5	42.1	2,592
CR1-C70-NP	Non-P	665,135	4,988,293	595.7	42.1	3,540
CR1-C71-NP	Non-P	665,137	4,988,378	594.6	42.1	3,448
CR1-C72-NP	Non-P	665,158	4,988,170	595.2	42.1	3,776
CR1-C29-NP	Non-P	666,572	4,988,867	575.9	41.5	2,457
CR1-C40-NP	Non-P	657,865	4,991,818	583.8	41.5	2,690
CR1-C7-NP	Non-P	660,893	4,984,861	593.2	41.3	3,022
CR1-C38-NP	Non-P	660,639	4,991,557	597.0	41.0	3,474
CR1-C110-NP	Non-P	654,385	4,996,686	593.9	40.2	2,910
CR1-C27-NP	Non-P	656,876	4,988,683	583.0	40.1	2,549
CR1-C112-NP	Non-P	660,002	4,984,908	604.6	39.1	5,627
CR1-C67-NP	Non-P	659,789	4,985,057	606.0	39.0	5,791
CR1-C3-NP	Non-P	657,888	4,984,697	604.2	38.9	3,294
CR1-C5-NP	Non-P	659,958	4,984,794	605.2	38.9	5,659
CR1-C66-NP	Non-P	659,718	4,985,032	606.0	38.9	5,800
CR1-C4-NP	Non-P	659,744	4,984,749	605.9	38.5	5,981
CR1-C111-NP	Non-P	653,857	4,995,573	591.0	38.4	3,678
CR1-C2-NP	Non-P	658,791	4,984,483	601.6	37.4	6,273
CR1-C65-NP	Non-P	665,805	4,995,305	579.0	37.4	3,884
CR1-C33-NP	Non-P	656,839	4,990,404	569.8	37.3	6,719
CR1-C109-NP	Non-P	653,780	4,996,828	588.0	37.2	4,797
CR1-C32-NP	Non-P	655,843	4,989,581	568.6	37.0	3,714

* Pending

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Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codington County
continued

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C54-NP	Non-P	663,421	4,995,376	583.4	36.5	5,351
CR1-C53-NP	Non-P	663,376	4,996,043	578.6	35.4	7,201
CR1-C45-NP	Non-P	653,390	4,993,503	573.0	35.1	5,673
CR1-C1-NP	Non-P	656,743	4,983,525	595.9	35.0	5,541
CR1-C11-P *	Participant	664,111	4,985,679	609.0	48.0	1,614
CR1-C30-P	Participant	661,699	4,988,957	615.0	47.9	1,614
CR1-C10-P	Participant	663,510	4,985,195	609.0	47.0	1,762
CR1-C13-P *	Participant	663,792	4,985,785	612.0	47.0	1,739
CR1-C50-P	Participant	656,806	4,994,388	621.0	46.8	1,591
CR1-C37-P **	Participant	663,563	4,991,342	605.1	46.5	1,631
CR1-C19-P	Participant	659,243	4,987,276	611.5	46.4	1,722
CR1-C36-P	Participant	663,181	4,990,600	615.0	46.3	1,532
CR2-C150-P	Participant	657,178	4,985,788	612.0	46.2	1,640
CR1-C15-P	Participant	663,291	4,986,026	615.0	46.1	1,952
CR1-C68-P	Participant	662,652	4,987,606	609.0	45.4	2,146
CR1-C69-P	Participant	662,685	4,987,619	609.0	45.4	2,185
CR1-C17-P	Participant	658,031	4,986,373	609.1	45.2	1,886
CR1-C57-P	Participant	656,628	4,995,266	615.0	45.0	1,568
CR1-C64-P	Participant	659,436	4,992,174	581.0	45.0	1,614
CR1-C18-P *	Participant	663,651	4,987,157	610.5	44.9	2,146
CR1-C48-P	Participant	664,247	4,993,646	588.0	44.8	1,847
CR1-C56-P	Participant	655,953	4,995,244	606.0	44.8	1,972
CR1-C42-P	Participant	659,458	4,992,229	580.0	44.7	1,801
CR1-C20-P	Participant	663,054	4,987,455	606.0	44.6	2,336
CR1-C12-P	Participant	662,222	4,985,736	603.0	44.4	2,201
CR1-C51-P	Participant	657,455	4,995,160	621.0	44.2	1,768
CR1-C35-P	Participant	662,025	4,990,475	609.0	44.0	2,123
CR1-C12-1-P	Participant	662,199	4,986,047	606.0	43.6	2,818
CR1-C59-P	Participant	661,548	5,000,754	584.1	42.9	1,644
CR1-C21-P	Participant	660,756	4,984,086	594.8	42.1	2,388
CR1-C22-P	Participant	660,755	4,984,082	594.8	42.1	2,375
CR1-C23-P	Participant	660,619	4,984,078	596.0	41.6	2,523
CR1-C26-P	Participant	657,767	4,988,493	597.0	40.6	3,484
CR1-C8-P	Participant	660,532	4,984,445	599.7	40.1	3,740
CR1-C47-P	Participant	662,825	4,993,508	613.8	39.5	3,750
CR1-C55-P *	Participant	660,914	4,995,169	607.9	39.5	3,360
CR1-C49-P	Participant	662,250	4,993,731	609.0	38.4	5,148
CR1-C6-P	Participant	662,989	4,995,228	599.8	36.5	6,102

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UTM NAD83 Zone 14
Grant County
continued

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-G68-NP	Non-P	669,159	4,993,632	564.7	43.0	2,113
CR1-G43-NP	Non-P	661,141	5,001,721	584.2	42.9	1,909
CR1-G125-NP	Non-P	668,289	5,000,643	543.0	42.8	1,716
CR1-G23-NP	Non-P	670,471	4,992,104	560.1	42.5	2,185
CR1-G16-NP	Non-P	668,419	4,989,861	576.0	41.8	2,070
CR1-G114-NP	Non-P	666,214	5,006,667	520.8	40.8	2,205
CR1-G34-NP	Non-P	671,320	4,995,798	531.0	40.8	2,238
CR1-G115-NP	Non-P	664,933	5,006,731	544.6	40.5	2,188
CR1-G113-NP	Non-P	666,228	5,005,549	537.0	40.3	2,746
CR1-G109-NP	Non-P	667,064	5,000,425	566.4	40.1	2,152
CR1-G26-NP	Non-P	672,589	4,993,869	531.0	39.9	3,140
CR1-G130-NP	Non-P	668,147	5,000,233	549.0	39.3	3,005
CR1-G44-NP	Non-P	661,781	5,001,732	583.7	39.2	3,123
CR1-G14-NP	Non-P	668,156	4,989,332	574.1	38.8	3,940
CR1-G42-NP	Non-P	670,566	4,997,097	518.9	38.1	3,819
CR1-G12-NP	Non-P	668,229	4,989,039	575.0	38.0	4,623
CR1-G13-NP	Non-P	672,216	4,989,142	558.0	37.2	3,576
CR1-G37-NP	Non-P	668,998	4,996,452	549.0	36.6	5,246
CR1-G36-NP	Non-P	673,559	4,996,344	498.1	35.5	6,211
CR1-G105-NP	Non-P	668,696	4,998,325	549.0	35.3	6,345
CR1-G117-NP	Non-P	663,801	5,005,084	581.3	35.3	4,501
CR1-G110-NP	Non-P	671,218	5,005,064	456.4	34.8	5,889
CR1-G22-NP	Non-P	674,670	4,991,955	527.6	34.8	5,781
CR1-G27-NP	Non-P	676,630	4,994,642	480.8	34.0	4,944
CR1-G77-NP	Non-P	676,031	4,992,629	503.1	33.2	5,728
CR1-G65-P	Participant	671,496	4,994,973	537.0	45.3	1,539
CR1-G18-P	Participant	668,678	4,990,722	585.0	45.1	1,585
CR1-G32-P	Participant	669,477	4,995,401	546.0	45.1	1,545
CR1-G21-P	Participant	666,766	4,991,807	577.1	44.9	1,555
CR1-G66-P	Participant	670,802	4,994,681	539.8	44.0	1,801
CR1-G25-P	Participant	671,391	4,992,858	549.0	43.8	1,804
CR1-G19-P	Participant	671,018	4,990,744	570.0	43.4	2,077
CR1-G28-P	Participant	673,113	4,994,772	514.1	43.2	1,614
CR1-G67-P	Participant	669,597	4,993,440	555.8	43.2	2,106
CR1-G128-P	Participant	670,242	5,001,314	513.0	42.9	2,612
CR1-G131-P	Participant	668,466	5,005,145	505.1	42.9	2,133
CR1-G124-P	Participant	669,843	5,000,605	525.0	42.7	1,791
CR1-G135-P	Participant	668,616	5,005,161	504.2	42.6	2,142

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Grant County
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Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-G136-P	Participant	667,706	5,004,861	522.0	42.2	2,277
CR1-G138-P	Participant	664,809	5,006,456	549.0	41.8	1,824
CR1-G137-P	Participant	666,501	5,005,136	529.5	41.6	1,939
CR1-G149-P	Participant	669,284	5,003,283	503.2	41.0	2,815
CR1-G81-P	Participant	671,478	4,997,523	508.7	40.7	2,421
CR1-G132-P	Participant	669,098	5,004,948	501.0	40.6	2,703
CR1-G24-P	Participant	673,058	4,992,440	539.4	40.6	2,231
CR1-G15-P	Participant	668,396	4,989,607	576.0	40.1	2,746
CR1-G33-P	Participant	668,911	4,995,550	548.7	39.9	2,779
CR1-G139-P	Participant	668,199	5,008,062	475.9	39.8	2,612
CR1-G108-P	Participant	669,516	5,001,186	522.2	39.7	3,586
CR1-G59-P	Participant	675,755	4,994,888	488.3	39.6	2,605
CR1-G126-P	Participant	672,157	5,000,446	484.3	39.4	3,176
CR1-G127-P	Participant	669,534	4,999,939	533.9	38.8	3,369
CR1-G133-P	Participant	669,881	5,005,460	478.8	38.3	3,556
CR1-G41-P	Participant	671,563	4,997,050	497.7	37.9	3,983
CR1-G60-P	Participant	675,830	4,995,687	477.0	36.4	3,343
CR1-G129-P	Participant	673,111	4,997,703	477.8	36.3	4,153
CR1-G140-P	Participant	664,546	5,007,269	551.1	35.2	4,360
CR1-G38-P *	Participant	673,972	4,996,493	494.5	35.0	5,646

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