Crowned Ridge II Wind Farm Hessler Array
GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14

WTG	Turbine Type	Easting (m)	Northing (m)	Base Elev. AMSL (m)	Sound Profile
CRII-1	GE2.3 116RD 90HH r2.madE	671,559	4,962,133	612.0	LNTE
CRII-2	GE2.3 116RD 90HH r2.madE	672,263	4,962,678	614.9	LNTE
CRII-3	GE2.3 116RD 90HH r2.madE	672,701	4,962,945	611.2	LNTE
CRII-4	GE2.3 116RD 90HH r2.madE	671,580	4,962,979	614.7	LNTE
CRII-5	GE2.3 116RD 90HH r2.madE	670,978	4,963,241	610.6	LNTE
CRII-6	GE2.3 116RD 90HH r2.madE	671,848	4,963,864	609.0	LNTE
CRII-7	GE2.3 116RD 90HH r2.madE	669,433	4,963,919	609.0	LNTE
CRII-8	GE2.3 116RD 90HH r2.madE	675,459	4,964,605	586.7	LNTE
CRII-9	GE2.3 116RD 90HH r2.madE	672,673	4,964,773	606.0	LNTE
CRII-10	GE2.3 116RD 90HH r2.madE	671,807	4,964,788	605.1	LNTE
CRII-11	GE2.3 116RD 90HH r2.madE	671,018	4,964,835	608.3	LNTE
CRII-12	GE2.3 116RD 90HH r2.madE	675,767	4,965,047	582.5	LNTE
CRII-14	GE2.3 116RD 90HH r2.madE	670,096	4,965,331	604.8	LNTE
CRII-15	GE2.3 116RD 90HH r2.madE	673,873	4,965,445	594.0	LNTE
CRII-16	GE2.3 116RD 90HH r2.madE	670,913	4,965,509	599.1	LNTE
CRII-17	GE2.3 116RD 90HH r2.madE	674,945	4,965,753	588.8	LNTE
CRII-18	GE2.3 116RD 90HH r2.madE	672,601	4,965,770	605.8	LNTE
CRII-19	GE2.3 116RD 90HH r2.madE	661,198	4,965,804	588.0	LNTE
CRII-20	GE2.3 116RD 90HH r2.madE	673,203	4,965,803	598.0	LNTE
CRII-21	GE2.3 116RD 90HH r2.madE	669,253	4,966,080	599.3	LNTE
CRII-22	GE2.3 116RD 90HH r2.madE	662,014	4,966,215	588.0	LNTE
CRII-23	GE2.3 116RD 90HH r2.madE	662,811	4,966,264	589.7	LNTE
CRII-24	GE2.3 116RD 90HH r2.madE	675,403	4,966,303	585.0	LNTE
CRII-25	GE2.3 116RD 90HH r2.madE	661,425	4,966,745	588.0	LNTE
CRII-26	GE2.3 116RD 90HH r2.madE	660,209	4,966,765	576.7	LNTE
CRII-27	GE2.3 116RD 90HH r2.madE	667,732	4,966,874	579.0	LNTE
CRII-28	GE2.3 116RD 90HH r2.madE	664,581	4,966,932	577.5	LNTE
CRII-29	GE2.3 116RD 90HH r2.madE	672,573	4,966,992	597.0	LNTE
CRII-30	GE2.3 116RD 90HH r2.madE	675,513	4,967,261	581.4	LNTE
CRII-31	GE2.3 116RD 90HH r2.madE	674,175	4,967,380	592.7	LNTE
CRII-32	GE2.3 116RD 90HH r2.madE	671,344	4,967,239	598.9	LNTE
CRII-33	GE2.3 116RD 90HH r2.madE	674,929	4,967,436	588.6	LNTE
CRII-34	GE2.3 116RD 90HH r2.madE	667,754	4,967,680	580.6	LNTE
CRII-35	GE2.3 116RD 90HH r2.madE	675,641	4,967,746	577.3	LNTE
CRII-36	GE2.3 116RD 90HH r2.madE	669,703	4,968,108	596.8	LNTE
CRII-37	GE2.3 116RD 90HH r2.madE	673,159	4,968,199	596.9	LNTE
CRII-38	GE2.3 116RD 90HH r2.madE	673,748	4,968,230	593.9	LNTE
CRII-39	GE2.3 116RD 90HH r2.madE	664,482	4,968,373	585.0	LNTE
CRII-40	GE2.3 116RD 90HH r2.madE	663,447	4,968,418	591.0	LNTE
CRII-41	GE2.3 116RD 90HH r2.madE	665,827	4,968,475	585.6	LNTE
CRII-42	GE2.3 116RD 90HH r2.madE	668,455	4,968,482	595.8	LNTE

Crowned Ridge II Wind Farm Hessler Array
GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
continued

WTG	Turbine Type	Easting (m)	Northing (m)	Base Elev. AMSL (m)	Sound Profile
CRII-43	GE2.3 116RD 90HH r2.madE	667,376	4,968,511	586.4	LNTE
CRII-44	GE2.3 116RD 90HH r2.madE	672,498	4,968,577	600.0	LNTE
CRII-45	GE2.3 116RD 90HH r2.madE	673,072	4,968,788	597.2	LNTE
CRII-46	GE2.3 116RD 90HH r2.madE	671,213	4,968,978	600.0	LNTE
CRII-47	GE2.3 116RD 90HH r2.madE	670,606	4,968,910	597.8	LNTE
CRII-48	GE2.3 116RD 90HH r2.madE	669,752	4,968,912	594.0	LNTE
CRII-49	GE2.3 116RD 90HH r2.madE	662,575	4,969,126	594.0	LNTE
CRII-50	GE2.3 116RD 90HH r2.madE	675,428	4,969,085	577.8	LNTE
CRII-51	GE2.3 116RD 90HH r2.madE	666,174	4,969,250	597.0	LNTE
CRII-52	GE2.3 116RD 90HH r2.madE	667,344	4,969,319	598.1	LNTE
CRII-53	GE2.3 116RD 90HH r2.madE	668,037	4,969,495	597.8	LNTE
CRII-54	GE2.3 116RD 90HH r2.madE	675,726	4,969,723	570.0	LNTE
CRII-55	GE2.3 116RD 90HH r2.madE	666,872	4,970,279	606.0	LNTE
CRII-56	GE2.3 116RD 90HH r2.madE	666,135	4,970,237	593.4	LNTE
CRII-57	GE2.3 116RD 90HH r2.madE	667,670	4,970,471	608.9	LNTE
CRII-58	GE2.1 116RD 80HH rev2.mad	671,619	4,972,700	594.0	LNTE
CRII-59	GE2.3 116RD 90HH r2.madE	668,248	4,973,458	613.5	LNTE
CRII-60	GE2.3 116RD 90HH r2.madE	670,973	4,973,527	597.0	LNTE
CRII-61	GE2.3 116RD 90HH r2.madE	667,589	4,973,910	615.0	LNTE
CRII-62	GE2.3 116RD 90HH r2.madE	670,983	4,974,414	593.9	LNTE
CRII-63	GE2.3 116RD 90HH r2.madE	668,350	4,974,115	615.7	LNTE
CRII-64	GE2.3 116RD 90HH r2.madE	666,982	4,974,334	615.0	LNTE
CRII-65	GE2.3 116RD 90HH r2.madE	661,369	4,974,608	600.0	LNTE
CRII-66	GE2.3 116RD 90HH r2.madE	667,711	4,974,761	615.0	LNTE
CRII-67	GE2.3 116RD 90HH r2.madE	662,077	4,974,986	604.1	LNTE
CRII-69	GE2.3 116RD 90HH r2.madE	666,524	4,975,244	614.7	LNTE
CRII-70	GE2.3 116RD 90HH r2.madE	672,450	4,975,264	577.0	LNTE
CRII-71	GE2.3 116RD 90HH r2.madE	659,668	4,975,487	579.4	LNTE
CRII-73	GE2.3 116RD 90HH r2.madE	670,963	4,975,812	590.8	LNTE
CRII-74	GE2.3 116RD 90HH r2.madE	669,864	4,975,773	600.0	LNTE
CRII-75	GE2.3 116RD 90HH r2.madE	665,849	4,975,895	608.1	LNTE
CRII-76	GE2.3 116RD 90HH r2.madE	663,309	4,976,260	597.0	LNTE
CRII-78	GE2.1 116RD 80HH rev2.mad	670,593	4,976,444	594.0	LNTE
CRII-79	GE2.3 116RD 90HH r2.madE	659,556	4,976,577	576.6	LNTE
CRII-80	GE2.1 116RD 80HH rev2.mad	670,089	4,976,781	597.0	LNTE
CRII-82	GE2.3 116RD 90HH r2.madE	664,868	4,977,195	606.0	LNTE
CRII-83	GE2.3 116RD 90HH r2.madE	659,267	4,977,221	570.0	LNTE
CRII-84	GE2.3 116RD 90HH r2.madE	661,202	4,977,297	585.0	LNTE
CRII-85	GE2.1 116RD 80HH rev2.mad	670,104	4,977,199	594.4	LNTE
CRII-86	GE2.1 116RD 80HH rev2.mad	668,086	4,977,549	605.9	LNTE
CRII-87	GE2.1 116RD 80HH rev2.mad	668,884	4,977,561	594.0	LNTE

Crowned Ridge II Wind Farm Hessler Array
GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
continued

WTG	Turbine Type	Easting (m)	Northing (m)	Base Elev. AMSL (m)	Sound Profile
CRII-88	GE2.3 116RD 90HH r2.madE	666,503	4,978,327	612.1	LNTE
CRII-89	GE2.1 116RD 80HH rev2.mad	667,591	4,978,362	615.0	LNTE
CRII-90	GE2.1 116RD 80HH rev2.mad	670,109	4,978,176	589.0	LNTE
CRII-91	GE2.1 116RD 80HH rev2.mad	668,348	4,978,315	600.0	LNTE
CRII-92	GE2.3 116RD 90HH r2.madE	664,354	4,978,724	594.7	LNTE
CRII-93	GE2.1 116RD 80HH rev2.mad	665,882	4,978,374	609.0	LNTE
CRII-94	GE2.3 116RD 90HH r2.madE	667,644	4,978,955	607.9	LNTE
CRII-95	GE2.3 116RD 90HH r2.madE	666,647	4,979,039	615.0	LNTE
CRII-96	GE2.3 116RD 90HH r2.madE	665,082	4,979,106	604.6	LNTE
CRII-97	GE2.3 116RD 90HH r2.madE	668,163	4,979,177	586.4	LNTE
CRII-98	GE2.1 116RD 80HH rev2.mad	670,003	4,979,175	585.4	LNTE
CRII-99	GE2.3 116RD 90HH r2.madE	665,723	4,979,545	607.0	LNTE
CRII-100	GE2.3 116RD 90HH r2.madE	666,675	4,979,716	613.8	LNTE
CRII-101	GE2.3 116RD 90HH r2.madE	665,960	4,980,327	606.0	LNTE
CRII-102	GE2.1 116RD 80HH rev2.mad	667,903	4,980,491	600.1	LNTE
CRII-103	GE2.3 116RD 90HH r2.madE	666,467	4,980,722	608.9	LNTE
CRII-104	GE2.3 116RD 90HH r2.madE	662,560	4,981,078	588.0	LNTE
CRII-105	GE2.3 116RD 90HH r2.madE	663,201	4,981,245	594.0	LNTE
CRII-106	GE2.3 116RD 90HH r2.madE	661,170	4,981,296	586.2	LNTE
CRII-107	GE2.1 116RD 80HH rev2.mad	666,729	4,981,576	598.4	LNTE
CRII-108	GE2.3 116RD 90HH r2.madE	667,242	4,981,585	592.4	LNTE
CRII-110	GE2.3 116RD 90HH r2.madE	665,644	4,981,745	609.0	LNTE
CRII-111	GE2.3 116RD 90HH r2.madE	661,406	4,981,960	591.0	LNTE
CRII-112	GE2.3 116RD 90HH r2.madE	664,889	4,982,000	612.6	LNTE
CRII-113	GE2.3 116RD 90HH r2.madE	665,950	4,982,352	609.9	LNTE
CRII-114	GE2.3 116RD 90HH r2.madE	665,029	4,982,755	613.5	LNTE
CRII-115	GE2.3 116RD 90HH r2.madE	667,423	4,982,834	585.7	LNTE
CRII-116	GE2.3 116RD 90HH r2.madE	664,098	4,982,988	603.0	LNTE
CRII-117	GE2.3 116RD 90HH r2.madE	666,339	4,983,199	600.6	LNTE
CRII-118	GE2.3 116RD 90HH r2.madE	665,536	4,983,411	608.1	LNTE
CRII-119	GE2.3 116RD 90HH r2.madE	664,901	4,983,463	603.4	LNTE
CRII-120	GE2.3 116RD 90HH r2.madE	662,307	4,983,683	592.9	LNTE
CRII-121	GE2.3 116RD 90HH r2.madE	666,651	4,983,822	588.7	LNTE
CRII-122	GE2.3 116RD 90HH r2.madE	662,977	4,983,870	603.9	LNTE
CRII-123	GE2.3 116RD 90HH r2.madE	663,421	4,984,335	606.6	LNTE
CRII-124	GE2.3 116RD 90HH r2.madE	664,181	4,984,488	606.0	LNTE
CRII-125	GE2.3 116RD 90HH r2.madE	664,784	4,984,583	604.2	LNTE
CRII-126	GE2.3 116RD 90HH r2.madE	664,221	4,985,123	606.0	LNTE
CRII-128	GE2.3 116RD 90HH r2.madE	667,329	4,985,347	582.0	LNTE
CRII-130	GE2.3 116RD 90HH r2.madE	665,620	4,986,146	599.6	LNTE
CRII-131	GE2.3 116RD 90HH r2.madE	665,556	4,986,863	596.1	LNTE

Crowned Ridge II Wind Farm Hessler Array
GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
continued

WTG	Turbine Type	Easting (m)	Northing (m)	Base Elev. AMSL (m)	Sound Profile
CRII-132	GE2.3 116RD 90HH r2.madE	664,683	4,987,036	606.9	LNTE
CRII-133	GE2.3 116RD 90HH r2.madE	664,650	4,986,268	606.0	LNTE
CRII-134	GE2.3 116RD 90HH r2.madE	660,955	4,983,386	588.4	LNTE
CRII-Alt2	GE2.3 116RD 90HH r2.madE	660,882	4,975,600	596.4	LNTE
CRII-Alt3	GE2.3 116RD 90HH r2.madE	663,058	4,985,405	608.8	LNTE
CRII-Alt4	GE2.3 116RD 90HH r2.madE	661,648	4,985,388	595.8	LNTE
CRII-Alt6	GE2.3 116RD 90HH r2.madE	666,659	4,968,615	588.0	LNTE
CRII-Alt8	GE2.3 116RD 90HH r2.madE	671,568	4,965,407	602.2	LNTE
CRII-Alt9	GE2.3 116RD 90HH r2.madE	669,354	4,964,776	603.4	LNTE

Crowned Ridge II Wind Farm NEER Proposed Array
GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14

WTG	Turbine Type	Easting (m)	Northing (m)	Base Elev. AMSL (m)	Sound Profile
CRII-1	GE2.3 116RD 90HH r2.madE	671,559	4,962,133	612.0	LNTE
CRII-2	GE2.3 116RD 90HH r2.madE	672,263	4,962,678	614.9	LNTE
CRII-3	GE2.3 116RD 90HH r2.madE	672,701	4,962,945	611.2	LNTE
CRII-4	GE2.3 116RD 90HH r2.madE	671,580	4,962,979	614.7	LNTE
CRII-5	GE2.3 116RD 90HH r2.madE	670,978	4,963,241	610.6	LNTE
CRII-6	GE2.3 116RD 90HH r2.madE	671,848	4,963,864	609.0	LNTE
CRII-7	GE2.3 116RD 90HH r2.madE	669,433	4,963,919	609.0	LNTE
CRII-8	GE2.3 116RD 90HH r2.madE	675,459	4,964,605	586.7	LNTE
CRII-9	GE2.3 116RD 90HH r2.madE	672,673	4,964,773	606.0	LNTE
CRII-10	GE2.3 116RD 90HH r2.madE	671,807	4,964,788	605.1	LNTE
CRII-11	GE2.3 116RD 90HH r2.madE	671,018	4,964,835	608.3	LNTE
CRII-12	GE2.3 116RD 90HH r2.madE	675,767	4,965,047	582.5	LNTE
CRII-14	GE2.3 116RD 90HH r2.madE	670,096	4,965,331	604.8	LNTE
CRII-15	GE2.3 116RD 90HH r2.madE	673,873	4,965,445	594.0	LNTE
CRII-16	GE2.3 116RD 90HH r2.madE	670,913	4,965,509	599.1	LNTE
CRII-17	GE2.3 116RD 90HH r2.madE	674,945	4,965,753	588.8	LNTE
CRII-18	GE2.3 116RD 90HH r2.madE	672,601	4,965,770	605.8	LNTE
CRII-19	GE2.3 116RD 90HH r2.madE	661,198	4,965,804	588.0	LNTE
CRII-20	GE2.3 116RD 90HH r2.madE	673,203	4,965,803	598.0	LNTE
CRII-21	GE2.3 116RD 90HH r2.madE	669,253	4,966,080	599.3	LNTE
CRII-22	GE2.3 116RD 90HH r2.madE	662,014	4,966,215	588.0	LNTE
CRII-23	GE2.3 116RD 90HH r2.madE	662,811	4,966,264	589.7	LNTE
CRII-24	GE2.3 116RD 90HH r2.madE	675,403	4,966,303	585.0	LNTE
CRII-25	GE2.3 116RD 90HH r2.madE	661,425	4,966,745	588.0	LNTE
CRII-26	GE2.3 116RD 90HH r2.madE	660,209	4,966,765	576.7	LNTE
CRII-27	GE2.3 116RD 90HH r2.madE	667,732	4,966,874	579.0	LNTE
CRII-28	GE2.3 116RD 90HH r2.madE	664,581	4,966,932	577.5	LNTE
CRII-29	GE2.3 116RD 90HH r2.madE	672,573	4,966,992	597.0	LNTE
CRII-30	GE2.3 116RD 90HH r2.madE	675,513	4,967,261	581.4	LNTE
CRII-31	GE2.3 116RD 90HH r2.madE	674,175	4,967,380	592.7	LNTE
CRII-32	GE2.3 116RD 90HH r2.madE	671,344	4,967,239	598.9	LNTE
CRII-33	GE2.3 116RD 90HH r2.madE	674,929	4,967,436	588.6	LNTE
CRII-34	GE2.3 116RD 90HH r2.madE	667,754	4,967,680	580.6	LNTE
CRII-35	GE2.3 116RD 90HH r2.madE	675,641	4,967,746	577.3	LNTE
CRII-36	GE2.3 116RD 90HH r2.madE	669,703	4,968,108	596.8	LNTE
CRII-37	GE2.3 116RD 90HH r2.madE	673,159	4,968,199	596.9	LNTE
CRII-38	GE2.3 116RD 90HH r2.madE	673,748	4,968,230	593.9	LNTE
CRII-39	GE2.3 116RD 90HH r2.madE	664,482	4,968,373	585.0	LNTE
CRII-40	GE2.3 116RD 90HH r2.madE	663,447	4,968,418	591.0	LNTE
CRII-41	GE2.3 116RD 90HH r2.madE	665,827	4,968,475	585.6	LNTE
CRII-42	GE2.3 116RD 90HH r2.madE	668,455	4,968,482	595.8	LNTE

Crowned Ridge II Wind Farm NEER Proposed Array
GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
continued

WTG	Turbine Type	Easting (m)	Northing (m)	Base Elev. AMSL (m)	Sound Profile
CRII-43	GE2.3 116RD 90HH r2.madE	667,376	4,968,511	586.4	LNTE
CRII-44	GE2.3 116RD 90HH r2.madE	672,498	4,968,577	600.0	LNTE
CRII-45	GE2.3 116RD 90HH r2.madE	673,072	4,968,788	597.2	LNTE
CRII-46	GE2.3 116RD 90HH r2.madE	671,213	4,968,978	600.0	LNTE
CRII-47	GE2.3 116RD 90HH r2.madE	670,606	4,968,910	597.8	LNTE
CRII-48	GE2.3 116RD 90HH r2.madE	669,752	4,968,912	594.0	LNTE
CRII-49	GE2.3 116RD 90HH r2.madE	662,575	4,969,126	594.0	LNTE
CRII-50	GE2.3 116RD 90HH r2.madE	675,428	4,969,085	577.8	LNTE
CRII-51	GE2.3 116RD 90HH r2.madE	666,174	4,969,250	597.0	LNTE
CRII-52	GE2.3 116RD 90HH r2.madE	667,344	4,969,319	598.1	LNTE
CRII-53	GE2.3 116RD 90HH r2.madE	668,037	4,969,495	597.8	LNTE
CRII-54	GE2.3 116RD 90HH r2.madE	675,726	4,969,723	570.0	LNTE
CRII-55	GE2.3 116RD 90HH r2.madE	666,872	4,970,279	606.0	LNTE
CRII-56	GE2.3 116RD 90HH r2.madE	666,135	4,970,237	593.4	LNTE
CRII-57	GE2.3 116RD 90HH r2.madE	667,670	4,970,471	608.9	LNTE
CRII-58	GE2.1 116RD 80HH rev2.mad	671,619	4,972,700	594.0	LNTE
CRII-59	GE2.3 116RD 90HH r2.madE	668,248	4,973,458	613.5	LNTE
CRII-60	GE2.3 116RD 90HH r2.madE	670,973	4,973,527	597.0	LNTE
CRII-61	GE2.3 116RD 90HH r2.madE	667,589	4,973,910	615.0	LNTE
CRII-62	GE2.3 116RD 90HH r2.madE	670,983	4,974,414	593.9	LNTE
CRII-63	GE2.3 116RD 90HH r2.madE	668,350	4,974,115	615.7	LNTE
CRII-64	GE2.3 116RD 90HH r2.madE	666,982	4,974,334	615.0	LNTE
CRII-65	GE2.3 116RD 90HH r2.madE	661,369	4,974,608	600.0	LNTE
CRII-66	GE2.3 116RD 90HH r2.madE	667,711	4,974,761	615.0	LNTE
CRII-67	GE2.3 116RD 90HH r2.madE	662,077	4,974,986	604.1	LNTE
CRII-69	GE2.3 116RD 90HH r2.madE	666,524	4,975,244	614.7	LNTE
CRII-70	GE2.3 116RD 90HH r2.madE	672,450	4,975,264	577.0	LNTE
CRII-71	GE2.3 116RD 90HH r2.madE	659,668	4,975,487	579.4	LNTE
CRII-73	GE2.3 116RD 90HH r2.madE	670,963	4,975,812	590.8	LNTE
CRII-74	GE2.3 116RD 90HH r2.madE	669,864	4,975,773	600.0	LNTE
CRII-75	GE2.3 116RD 90HH r2.madE	665,849	4,975,895	608.1	LNTE
CRII-76	GE2.3 116RD 90HH r2.madE	663,309	4,976,260	597.0	LNTE
CRII-78	GE2.1 116RD 80HH rev2.mad	670,593	4,976,444	594.0	LNTE
CRII-79	GE2.3 116RD 90HH r2.madE	659,556	4,976,577	576.6	LNTE
CRII-80	GE2.1 116RD 80HH rev2.mad	670,089	4,976,781	597.0	LNTE
CRII-81	GE2.3 116RD 90HH r2.madE	666,460	4,976,852	615.0	LNTE
CRII-82	GE2.3 116RD 90HH r2.madE	664,868	4,977,195	606.0	LNTE
CRII-83	GE2.3 116RD 90HH r2.madE	659,267	4,977,221	570.0	LNTE
CRII-84	GE2.3 116RD 90HH r2.madE	661,202	4,977,297	585.0	LNTE
CRII-85	GE2.1 116RD 80HH rev2.mad	670,104	4,977,199	594.4	LNTE
CRII-86	GE2.1 116RD 80HH rev2.mad	668,086	4,977,549	605.9	LNTE

Crowned Ridge II Wind Farm NEER Proposed Array
GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
continued

WTG	Turbine Type	Easting (m)	Northing (m)	Base Elev. AMSL (m)	Sound Profile
CRII-87	GE2.1 116RD 80HH rev2.mad	668,884	4,977,561	594.0	LNTE
CRII-88	GE2.3 116RD 90HH r2.madE	666,503	4,978,327	612.1	LNTE
CRII-89	GE2.1 116RD 80HH rev2.mad	667,591	4,978,362	615.0	LNTE
CRII-90	GE2.1 116RD 80HH rev2.mad	670,109	4,978,176	589.0	LNTE
CRII-91	GE2.1 116RD 80HH rev2.mad	668,348	4,978,315	600.0	LNTE
CRII-92	GE2.3 116RD 90HH r2.madE	664,354	4,978,724	594.7	LNTE
CRII-93	GE2.1 116RD 80HH rev2.mad	665,882	4,978,374	609.0	LNTE
CRII-94	GE2.3 116RD 90HH r2.madE	667,644	4,978,955	607.9	LNTE
CRII-95	GE2.3 116RD 90HH r2.madE	666,647	4,979,039	615.0	LNTE
CRII-96	GE2.3 116RD 90HH r2.madE	665,082	4,979,106	604.6	LNTE
CRII-97	GE2.3 116RD 90HH r2.madE	668,163	4,979,177	586.4	LNTE
CRII-98	GE2.1 116RD 80HH rev2.mad	670,003	4,979,175	585.4	LNTE
CRII-99	GE2.3 116RD 90HH r2.madE	665,723	4,979,545	607.0	LNTE
CRII-100	GE2.3 116RD 90HH r2.madE	666,675	4,979,716	613.8	LNTE
CRII-101	GE2.3 116RD 90HH r2.madE	665,960	4,980,327	606.0	LNTE
CRII-102	GE2.1 116RD 80HH rev2.mad	667,903	4,980,491	600.1	LNTE
CRII-104	GE2.3 116RD 90HH r2.madE	662,560	4,981,078	588.0	LNTE
CRII-105	GE2.3 116RD 90HH r2.madE	663,201	4,981,245	594.0	LNTE
CRII-106	GE2.3 116RD 90HH r2.madE	661,170	4,981,296	586.2	LNTE
CRII-107	GE2.1 116RD 80HH rev2.mad	666,729	4,981,576	598.4	LNTE
CRII-108	GE2.3 116RD 90HH r2.madE	667,242	4,981,585	592.4	LNTE
CRII-110	GE2.3 116RD 90HH r2.madE	665,644	4,981,745	609.0	LNTE
CRII-111	GE2.3 116RD 90HH r2.madE	661,406	4,981,960	591.0	LNTE
CRII-112	GE2.3 116RD 90HH r2.madE	664,889	4,982,000	612.6	LNTE
CRII-114	GE2.3 116RD 90HH r2.madE	665,029	4,982,755	613.5	LNTE
CRII-115	GE2.3 116RD 90HH r2.madE	667,423	4,982,834	585.7	LNTE
CRII-116	GE2.3 116RD 90HH r2.madE	664,098	4,982,988	603.0	LNTE
CRII-117	GE2.3 116RD 90HH r2.madE	666,339	4,983,199	600.6	LNTE
CRII-118	GE2.3 116RD 90HH r2.madE	665,536	4,983,411	608.1	LNTE
CRII-119	GE2.3 116RD 90HH r2.madE	664,901	4,983,463	603.4	LNTE
CRII-120	GE2.3 116RD 90HH r2.madE	662,307	4,983,683	592.9	LNTE
CRII-121	GE2.3 116RD 90HH r2.madE	666,651	4,983,822	588.7	LNTE
CRII-122	GE2.3 116RD 90HH r2.madE	662,977	4,983,870	603.9	LNTE
CRII-123	GE2.3 116RD 90HH r2.madE	663,421	4,984,335	606.6	LNTE
CRII-124	GE2.3 116RD 90HH r2.madE	664,181	4,984,488	606.0	LNTE
CRII-125	GE2.3 116RD 90HH r2.madE	664,784	4,984,583	604.2	LNTE
CRII-126	GE2.3 116RD 90HH r2.madE	664,221	4,985,123	606.0	LNTE
CRII-128	GE2.3 116RD 90HH r2.madE	667,329	4,985,347	582.0	LNTE
CRII-129	GE2.3 116RD 90HH r2.madE	664,922	4,985,551	608.0	LNTE
CRII-130	GE2.3 116RD 90HH r2.madE	665,620	4,986,146	599.6	LNTE
CRII-131	GE2.3 116RD 90HH r2.madE	665,556	4,986,863	596.1	LNTE

Crowned Ridge II Wind Farm NEER Proposed Array
GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
continued

WTG	Turbine Type	Easting (m)	Northing (m)	Base Elev. AMSL (m)	Sound Profile
CRII-132	GE2.3 116RD 90HH r2.madE	664,683	4,987,036	606.9	LNTE
CRII-133	GE2.3 116RD 90HH r2.madE	664,650	4,986,268	606.0	LNTE
CRII-134	GE2.3 116RD 90HH r2.madE	660,955	4,983,386	588.4	LNTE
CRII-Alt2	GE2.3 116RD 90HH r2.madE	660,882	4,975,600	596.4	LNTE
CRII-Alt3	GE2.3 116RD 90HH r2.madE	663,058	4,985,405	608.8	LNTE
CRII-Alt4	GE2.3 116RD 90HH r2.madE	661,648	4,985,388	595.8	LNTE
CRII-Alt6	GE2.3 116RD 90HH r2.madE	666,659	4,968,615	588.0	LNTE
CRII-Alt8	GE2.3 116RD 90HH r2.madE	671,568	4,965,407	602.2	LNTE
CRII-Alt9	GE2.3 116RD 90HH r2.madE	669,354	4,964,776	603.4	LNTE

Table C-1: Crowned Ridge II Sound Level Tabular Results Sorted by Sound Level Reduction
6 turbines removed as suggested by Mr. Hessler, 4 turbines removed as proposed by NEER
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 **Total reduction in dBA** **42.6** **32.6**
UTM NAD83 Zone 14
Codington County

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Hessler Case Sound (dB(A))	Proposed Case Sound (dB(A))	Base Case Sound (dB(A))	Hessler Reduction (DB(A))	Proposed Reduction (DB(A))	Distance to Nearest Turbine (ft)
CR2-C53-NP	Non-P	662,401	4,964,782	582.0	35.8	35.8	40.0	4.2	4.2	4,869
CR2-C61-NP	Non-P	660,630	4,976,840	582.5	40.7	40.7	44.1	3.4	3.4	2,402
CR2-C50-P	Participant	661,252	4,976,035	597.0	42.1	42.1	44.9	2.8	2.8	1,873
CR2-C98-NP	Non-P	660,155	4,976,007	582.8	42.2	42.2	45.0	2.8	2.8	2,336
CR2-C52-NP	Non-P	662,688	4,964,792	585.9	35.5	35.5	38.1	2.6	2.6	4,846
CR2-C62-NP	Non-P	666,992	4,977,048	615.0	40.4	43.2	43.0	2.6	-0.2	3,947
CR2-C97-NP	Non-P	660,093	4,976,001	583.8	42.4	42.4	44.9	2.5	2.5	2,188
CR2-C66-NP	Non-P	662,396	4,963,954	582.0	32.7	32.7	34.7	2.0	2.0	7,231
CR2-C64-NP	Non-P	660,901	4,964,220	582.0	33.3	33.3	35.1	1.8	1.8	5,285
CR2-C49-NP	Non-P	660,907	4,964,846	582.0	36.7	36.7	38.5	1.8	1.8	3,284
CR2-C48-NP	Non-P	662,370	4,965,588	590.3	41.3	41.3	43.0	1.7	1.7	2,365
CR2-C51-NP	Non-P	662,977	4,964,794	584.0	35.2	35.2	36.8	1.6	1.6	4,852
CR2-C41-P	Participant	660,770	4,975,147	596.4	44.0	44.0	45.6	1.6	1.6	1,532
CR2-C55-NP	Non-P	660,765	4,964,777	582.0	35.8	35.8	37.4	1.6	1.6	3,655
CR2-C58-NP	Non-P	660,764	4,964,686	582.0	35.3	35.3	36.9	1.6	1.6	3,934
CR2-C56-NP	Non-P	660,759	4,964,737	582.0	35.6	35.6	37.1	1.5	1.5	3,786
CR2-C57-P	Participant	666,667	4,976,162	613.8	41.0	42.5	42.5	1.5	0.0	2,821
CR2-C68-NP	Non-P	662,517	4,963,408	579.0	31.3	31.3	32.5	1.2	1.2	8,973
CR1-C9-NP	Non-P	665,352	4,985,004	609.0	42.8	43.9	43.9	1.1	0.0	2,320
CR2-C36-NP	Non-P	660,475	4,974,426	578.6	38.9	38.9	40.0	1.1	1.1	2,992
CR2-C40-NP	Non-P	659,189	4,974,765	578.3	37.8	37.8	38.7	0.9	0.9	2,841
CR2-C95-NP	Non-P	659,248	4,974,054	567.0	34.5	34.5	35.4	0.9	0.9	4,898
CR2-C96-NP	Non-P	659,316	4,974,063	570.6	34.7	34.7	35.6	0.9	0.9	4,813
CR2-C102-NP	Non-P	662,025	4,976,085	594.1	39.2	39.2	40.1	0.9	0.9	3,609
CR2-C103-NP	Non-P	662,046	4,976,067	594.8	39.2	39.2	40.1	0.9	0.9	3,547
CR2-C35-NP	Non-P	658,964	4,974,334	566.8	34.8	34.8	35.6	0.8	0.8	4,432
CR2-C105-NP	Non-P	662,122	4,976,029	595.3	39.2	39.3	40.0	0.8	0.7	3,425
CR1-C11-P	Participant	664,111	4,985,679	609.0	44.3	44.9	44.9	0.6	0.0	1,860
CR2-C60-P	Participant	662,287	4,976,800	594.0	38.4	38.4	39.0	0.6	0.6	3,793
CR2-C93-NP	Non-P	659,203	4,973,158	584.9	32.3	32.3	32.9	0.6	0.6	7,792
CR2-C94-NP	Non-P	659,202	4,973,052	583.9	32.1	32.2	32.7	0.6	0.5	8,133
CR2-C155-NP	Non-P	657,554	4,975,128	554.6	32.2	32.2	32.8	0.6	0.6	7,034
CR2-C47-NP	Non-P	662,200	4,975,837	594.5	39.9	39.9	40.4	0.5	0.5	2,821
CR2-C100-NP	Non-P	660,592	4,972,602	591.0	33.0	33.0	33.4	0.4	0.4	7,057
CR2-C151-NP	Non-P	663,934	4,964,475	556.1	33.3	33.3	33.8	0.5	0.5	6,929
CR2-C46-NP	Non-P	660,435	4,965,627	582.0	39.3	39.3	39.7	0.4	0.4	2,569
CR2-C67-NP	Non-P	660,379	4,978,592	556.1	35.9	35.9	36.3	0.4	0.4	5,033
CR2-C99-P	Participant	660,584	4,972,570	591.0	32.9	32.9	33.3	0.4	0.4	7,165
CR2-C101-NP	Non-P	660,732	4,972,807	591.0	33.5	33.5	33.9	0.4	0.4	6,266

Table C-1: Crowned Ridge II Sound Level Tabular Results Sorted by Sound Level Reduction
6 turbines removed as suggested by Mr. Hessler, 4 turbines removed as proposed by NEER
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
continued

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Hessler Case Sound (dB(A))	Proposed Case Sound (dB(A))	Base Case Sound (dB(A))	Hessler Reduction (DB(A))	Proposed Reduction (DB(A))	Distance to Nearest Turbine (ft)
CR2-C22-NP	Non-P	661,202	4,972,711	597.0	33.6	33.6	34.0	0.4	0.4	6,247
CR2-C63-P	Participant	665,528	4,977,285	612.0	42.0	42.5	42.4	0.4	-0.1	2,185
CR2-C107-NP	Non-P	662,265	4,978,194	577.7	36.8	36.8	37.1	0.3	0.3	4,564
CR2-C104-NP	Non-P	662,109	4,972,735	604.0	33.9	34.0	34.2	0.3	0.2	6,608
CR2-C106-NP	Non-P	662,165	4,972,711	604.7	33.9	33.9	34.2	0.3	0.3	6,749
CR2-C3-NP	Non-P	664,345	4,964,571	556.0	33.3	33.3	33.6	0.3	0.3	7,497
CR2-C142-NP	Non-P	656,697	4,977,269	566.9	31.2	31.2	31.5	0.3	0.3	8,432
CR2-C143-NP	Non-P	657,016	4,977,505	553.6	31.8	31.8	32.1	0.3	0.3	7,444
CR1-C13-NP	Non-P	663,792	4,985,785	612.0	43.2	43.5	43.5	0.3	0.0	2,589
CR2-C31-P	Participant	663,117	4,972,923	606.0	34.2	34.2	34.4	0.2	0.2	7,579
CR2-C109-NP	Non-P	662,699	4,972,874	606.0	34.1	34.2	34.4	0.3	0.2	7,169
CR2-C54-NP	Non-P	662,636	4,976,079	597.0	40.5	40.5	40.7	0.2	0.2	2,287
CR2-C137-NP	Non-P	658,951	4,979,194	568.2	33.8	33.8	34.0	0.2	0.2	6,555
CR2-C37-NP	Non-P	663,037	4,974,496	606.0	37.4	37.5	37.6	0.2	0.1	3,537
CR2-C43-NP	Non-P	664,382	4,975,544	597.0	37.8	37.9	38.0	0.2	0.1	4,232
CR2-C42-NP	Non-P	664,887	4,975,388	597.0	38.3	38.5	38.5	0.2	0.0	3,566
CR2-C44-NP	Non-P	659,145	4,966,062	561.4	34.3	34.3	34.5	0.2	0.2	4,183
CR2-C59-P	Participant	664,952	4,976,698	601.9	43.0	43.2	43.2	0.2	0.0	1,654
CR2-C117-NP	Non-P	664,742	4,976,142	594.2	39.3	39.5	39.5	0.2	0.0	3,481
CR2-C69-NP	Non-P	661,701	4,978,792	564.0	36.2	36.2	36.4	0.2	0.2	5,171
CR2-C74-NP	Non-P	660,687	4,969,931	586.5	32.7	32.7	32.9	0.2	0.2	6,732
CR2-C32-P	Participant	659,469	4,967,984	575.2	33.7	33.7	33.9	0.2	0.2	4,678
CR2-C45-P	Participant	664,058	4,965,862	570.0	37.1	37.1	37.3	0.2	0.2	3,907
CR2-C116-NP	Non-P	664,640	4,976,142	591.1	39.2	39.3	39.4	0.2	0.1	3,533
CR2-C118-NP	Non-P	665,014	4,974,639	600.0	37.1	37.2	37.3	0.2	0.1	4,947
CR1-C10-P	Participant	663,510	4,985,195	609.0	45.3	45.4	45.4	0.1	0.0	1,634
CR1-C15-NP	Non-P	663,291	4,986,026	615.0	42.8	43.0	42.9	0.1	-0.1	2,175
CR1-C18-P	Participant	663,651	4,987,157	610.4	42.1	42.2	42.2	0.1	0.0	3,409
CR1-C72-NP	Non-P	665,158	4,988,170	594.6	41.0	41.1	41.1	0.1	0.0	3,776
CR1-C20-P	Participant	663,054	4,987,455	606.0	43.8	43.9	43.9	0.1	0.0	2,336
CR2-C27-P	Participant	662,985	4,968,167	582.0	42.5	42.5	42.6	0.1	0.1	1,726
CR2-C28-P	Participant	659,208	4,968,159	572.8	32.6	32.6	32.7	0.1	0.1	5,630
CR2-C29-NP	Non-P	661,223	4,968,144	595.2	36.3	36.3	36.4	0.1	0.1	4,639
CR2-C30-NP	Non-P	659,100	4,968,023	568.6	32.6	32.6	32.7	0.1	0.1	5,502
CR2-C38-NP	Non-P	660,874	4,966,929	585.5	42.9	42.9	43.0	0.1	0.1	1,906
CR2-C39-NP	Non-P	664,089	4,966,486	566.2	40.5	40.5	40.5	0.0	0.0	2,178
CR2-C86-NP	Non-P	662,880	4,971,302	603.0	33.9	33.9	33.9	0.0	0.0	7,208
CR2-C87-NP	Non-P	662,841	4,971,294	603.0	33.8	33.8	33.9	0.1	0.1	7,165

Table C-1: Crowned Ridge II Sound Level Tabular Results Sorted by Sound Level Reduction
6 turbines removed as suggested by Mr. Hessler, 4 turbines removed as proposed by NEER
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
continued

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Hessler Case Sound (dB(A))	Proposed Case Sound (dB(A))	Base Case Sound (dB(A))	Hessler Reduction (DB(A))	Proposed Reduction (DB(A))	Distance to Nearest Turbine (ft)
CR2-C89-NP	Non-P	662,244	4,971,076	603.0	33.6	33.6	33.7	0.1	0.1	6,489
CR2-C119-NP	Non-P	665,052	4,974,682	600.0	37.3	37.4	37.4	0.1	0.0	4,760
CR2-C65-NP	Non-P	665,217	4,977,746	609.0	42.6	42.7	42.7	0.1	0.0	2,139
CR1-C31-NP	Non-P	665,939	4,988,950	585.4	43.2	43.3	43.3	0.1	0.0	2,126
CR2-C112-NP	Non-P	665,928	4,972,630	603.0	36.3	36.3	36.3	0.0	0.0	6,575
CR2-C1-NP	Non-P	662,198	4,980,622	591.0	42.2	42.2	42.2	0.0	0.0	1,909
CR1-C12-1-NP	Non-P	662,199	4,986,047	606.0	42.3	42.3	42.3	0.0	0.0	2,818
CR1-C12-NP	Non-P	662,222	4,985,736	603.0	42.8	42.9	42.8	0.0	-0.1	2,201
CR1-C16-NP	Non-P	661,960	4,986,288	606.0	42.5	42.5	42.5	0.0	0.0	2,648
CR2-C24-NP	Non-P	661,541	4,969,653	600.0	35.6	35.6	35.6	0.0	0.0	3,809
CR1-C28-NP	Non-P	665,429	4,988,598	590.9	41.6	41.6	41.6	0.0	0.0	2,831
CR1-C29-NP	Non-P	666,572	4,988,867	575.9	41.2	41.2	41.2	0.0	0.0	2,457
CR2-C33-P	Participant	663,878	4,967,612	576.1	40.6	40.6	40.6	0.0	0.0	2,999
CR2-C34-P	Participant	663,934	4,966,991	570.1	41.0	41.0	41.0	0.0	0.0	2,133
CR1-C68-P	Participant	662,652	4,987,606	609.0	45.2	45.2	45.2	0.0	0.0	2,146
CR1-C69-P	Participant	662,685	4,987,619	609.0	45.1	45.1	45.1	0.0	0.0	2,185
CR1-C70-NP	Non-P	665,135	4,988,293	595.9	41.2	41.2	41.2	0.0	0.0	3,540
CR2-C70-P	Participant	665,521	4,970,518	588.9	40.9	40.9	40.9	0.0	0.0	2,215
CR1-C71-NP	Non-P	665,137	4,988,378	595.6	41.3	41.3	41.3	0.0	0.0	3,448
CR2-C79-NP	Non-P	666,869	4,984,663	587.9	41.4	41.4	41.4	0.0	0.0	2,703
CR2-C131-NP	Non-P	666,732	4,984,987	591.0	41.5	41.6	41.5	0.0	-0.1	2,287
CR2-C132-NP	Non-P	666,857	4,985,021	588.2	42.4	42.4	42.4	0.0	0.0	1,883
CR2-C134-NP	Non-P	667,097	4,973,011	613.0	39.5	39.6	39.6	0.1	0.0	3,363
CR2-C154-P	Participant	660,684	4,967,166	588.0	41.6	41.6	41.6	0.0	0.0	2,041
CR2-C23-NP	Non-P	664,069	4,969,661	594.0	37.7	37.8	37.7	0.0	-0.1	4,439
CR2-C7-NP	Non-P	665,694	4,966,179	570.0	36.6	36.6	36.5	-0.1	-0.1	4,409
CR2-C10-NP	Non-P	665,189	4,966,505	570.0	39.4	39.4	39.4	0.0	0.0	2,438
CR2-C26-P	Participant	664,733	4,968,915	591.0	42.1	42.1	42.0	-0.1	-0.1	1,959
CR2-C71-NP	Non-P	665,411	4,970,503	586.1	40.1	40.1	40.0	-0.1	-0.1	2,529
CR2-C72-NP	Non-P	663,856	4,970,488	597.0	35.6	35.6	35.6	0.0	0.0	6,135
CR2-C77-NP	Non-P	663,865	4,969,694	597.0	37.6	37.6	37.6	0.0	0.0	4,406
CR2-C80-NP	Non-P	664,705	4,972,092	597.3	34.9	35.0	34.9	0.0	-0.1	7,684
CR2-C90-NP	Non-P	664,088	4,970,672	594.0	35.5	35.5	35.5	0.0	0.0	6,863
CR2-C91-NP	Non-P	663,938	4,970,546	597.0	35.6	35.6	35.5	-0.1	-0.1	6,457
CR2-C92-NP	Non-P	663,855	4,970,535	597.0	35.5	35.5	35.5	0.0	0.0	6,247
CR2-C2-NP	Non-P	662,238	4,980,604	590.9	42.3	42.3	42.2	-0.1	-0.1	1,880
CR2-C76-NP	Non-P	664,747	4,969,738	584.8	38.4	38.4	38.2	-0.2	-0.2	4,560
CR2-C16-NP	Non-P	665,418	4,966,866	567.0	39.2	39.2	39.1	-0.1	-0.1	2,756

Table C-1: Crowned Ridge II Sound Level Tabular Results Sorted by Sound Level Reduction
6 turbines removed as suggested by Mr. Hessler, 4 turbines removed as proposed by NEER
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
continued

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Hessler Case Sound (dB(A))	Proposed Case Sound (dB(A))	Base Case Sound (dB(A))	Hessler Reduction (DB(A))	Proposed Reduction (DB(A))	Distance to Nearest Turbine (ft)
CR1-C73-NP	Non-P	663,066	4,982,530	591.0	40.9	40.9	40.8	-0.1	-0.1	3,704
CR1-C74-NP	Non-P	662,869	4,983,122	595.7	42.7	42.7	42.6	-0.1	-0.1	2,480
CR1-C75-NP	Non-P	663,010	4,982,658	588.0	41.0	41.0	40.9	-0.1	-0.1	3,730
CR2-C75-NP	Non-P	664,866	4,969,808	583.7	38.5	38.5	38.4	-0.1	-0.1	4,396
CR2-C78-P	Participant	665,273	4,983,933	609.0	45.4	45.4	45.3	-0.1	-0.1	1,919
CR1-C88-NP	Non-P	660,156	4,980,595	570.9	36.5	36.5	36.4	-0.1	-0.1	4,045
CR2-C115-NP	Non-P	663,555	4,980,564	575.2	40.9	40.9	40.8	-0.1	-0.1	2,520
CR2-C135-NP	Non-P	667,172	4,966,196	595.2	39.0	39.0	38.9	-0.1	-0.1	2,884
CR2-C136-NP	Non-P	667,209	4,966,166	595.4	39.0	39.0	38.9	-0.1	-0.1	2,887
CR1-C66-NP	Non-P	659,718	4,985,032	606.0	38.4	38.4	38.2	-0.2	-0.2	5,800
CR1-C76-NP	Non-P	662,981	4,982,580	588.3	40.9	40.8	40.7	-0.2	-0.1	3,901
CR1-C86-P	Participant	662,086	4,982,135	585.0	41.8	41.8	41.6	-0.2	-0.2	2,306
CR2-C130-P	Participant	666,727	4,966,695	591.0	38.9	38.9	38.7	-0.2	-0.2	3,350
CR2-C126-P	Participant	666,389	4,966,670	585.0	37.9	37.9	37.6	-0.3	-0.3	4,455
CR2-C128-P	Participant	666,636	4,966,649	589.0	38.5	38.5	38.2	-0.3	-0.3	3,671
CR1-C67-NP	Non-P	659,789	4,985,057	606.0	38.5	38.5	38.3	-0.2	-0.2	5,791
CR1-C85-NP	Non-P	659,706	4,981,419	588.0	36.0	36.0	35.8	-0.2	-0.2	4,819
CR1-C87-NP	Non-P	662,628	4,982,425	585.4	40.6	40.5	40.4	-0.2	-0.1	4,258
CR1-C89-P	Participant	662,062	4,982,029	584.3	42.2	42.2	42.0	-0.2	-0.2	2,165
CR2-C129-P	Participant	666,716	4,966,751	591.0	39.0	39.0	38.8	-0.2	-0.2	3,356
CR2-C123-P	Participant	666,146	4,966,653	579.4	37.5	37.5	37.3	-0.2	-0.2	5,216
CR1-C4-NP	Non-P	659,744	4,984,749	606.0	37.9	37.9	37.6	-0.3	-0.3	5,981
CR1-C7-NP	Non-P	660,893	4,984,861	593.2	40.1	40.1	39.8	-0.3	-0.3	3,022
CR1-C5-NP	Non-P	659,958	4,984,794	604.8	38.2	38.2	37.8	-0.4	-0.4	5,659
CR1-C77-P	Participant	661,915	4,983,367	591.0	43.8	43.8	43.3	-0.5	-0.5	1,654
CR1-C84-NP	Non-P	659,607	4,982,216	594.0	36.1	36.1	35.6	-0.5	-0.5	5,856
CR2-C133-P	Participant	666,992	4,967,681	571.2	42.5	42.5	41.9	-0.6	-0.6	2,500
CR1-C80-NP	Non-P	659,351	4,983,174	604.4	36.1	36.1	35.4	-0.7	-0.7	5,308
CR1-C8-P	Participant	660,532	4,984,445	599.4	39.0	39.0	38.0	-1.0	-1.0	3,740
CR1-C24-NP	Non-P	660,176	4,983,887	601.1	38.9	38.9	36.8	-2.1	-2.1	3,038
CR1-C81-NP	Non-P	660,062	4,983,083	597.0	38.5	38.5	36.4	-2.1	-2.1	3,094
CR1-C25-P	Participant	660,190	4,983,788	602.3	39.2	39.2	36.8	-2.4	-2.4	2,838
CR1-C78-P	Participant	660,190	4,983,788	602.3	39.2	39.2	36.8	-2.4	-2.4	2,835
CR1-C23-P	Participant	660,619	4,984,078	595.8	40.2	40.2	37.7	-2.5	-2.5	2,523
CR1-C21-P	Participant	660,756	4,984,086	594.0	40.6	40.6	38.0	-2.6	-2.6	2,388
CR1-C22-P	Participant	660,755	4,984,082	594.0	40.7	40.7	38.0	-2.7	-2.7	2,375
CR1-C79-NP	Non-P	660,452	4,983,750	595.9	41.2	41.2	37.1	-4.1	-4.1	2,037

Table C-1: Crowned Ridge II Sound Level Tabular Results Sorted by Sound Level Reduction
6 turbines removed as suggested by Mr. Hessler, 4 turbines removed as proposed by NEER
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
Deuel County
continued

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Hessler Case Sound (dB(A))	Proposed Case Sound (dB(A))	Base Case Sound (dB(A))	Hessler Reduction (DB(A))	Proposed Reduction (DB(A))	Distance to Nearest Turbine (ft)
CR2-D12-NP	Non-P	668,558	4,969,840	604.7	42.5	42.5	42.5	0.0	0.0	2,051
CR2-D127-NP	Non-P	668,841	4,969,858	603.0	40.8	40.8	40.7	-0.1	-0.1	2,894
CR2-D91-NP	Non-P	667,546	4,976,173	618.0	39.6	40.1	40.1	0.5	0.0	4,531
CR2-D113-NP	Non-P	667,774	4,971,544	606.9	38.7	38.7	38.7	0.0	0.0	3,537
CR2-D212-P	Participant	667,211	4,969,816	608.3	45.8	45.8	45.6	-0.2	-0.2	1,686
CR2-D45-NP	Non-P	668,018	4,976,064	611.5	39.6	39.8	39.8	0.2	0.0	4,393
CR2-D82-NP	Non-P	669,855	4,970,718	603.0	37.3	37.3	37.3	0.0	0.0	5,935
CR2-D17-NP	Non-P	672,023	4,969,597	597.0	40.1	40.1	40.1	0.0	0.0	3,343
CR2-D74-NP	Non-P	668,130	4,976,068	609.2	39.6	39.8	39.7	0.1	-0.1	4,505
CR2-D95-NP	Non-P	671,994	4,971,562	600.0	36.9	36.9	37.0	0.1	0.1	3,930
CR2-D96-NP	Non-P	672,899	4,971,469	594.0	35.6	35.6	35.7	0.1	0.1	5,827
CR2-D9-NP	Non-P	668,597	4,971,999	611.5	37.5	37.5	37.6	0.1	0.1	4,921
CR2-D97-NP	Non-P	667,164	4,972,232	600.0	37.7	37.7	37.7	0.0	0.0	5,371
CR2-D112-NP	Non-P	667,666	4,971,554	604.6	38.7	38.7	38.7	0.0	0.0	3,553
CR2-D115-P	Participant	670,974	4,969,938	606.0	39.7	39.7	39.7	0.0	0.0	3,245
CR2-D128-NP	Non-P	668,625	4,967,652	588.0	42.1	42.1	42.1	0.0	0.0	2,779
CR2-D192-P	Participant	669,283	4,971,621	607.2	36.8	36.8	36.9	0.1	0.1	6,499
CR2-D52-NP	Non-P	667,172	4,971,776	606.0	38.0	38.0	38.0	0.0	0.0	4,583
CR2-D189-NP	Non-P	667,228	4,971,527	606.0	38.8	38.8	38.8	0.0	0.0	3,757
CR2-D213-NP	Non-P	667,178	4,971,525	606.0	38.8	38.8	38.8	0.0	0.0	3,816
CR2-D6-P	Participant	668,762	4,967,671	591.0	41.9	41.9	41.8	-0.1	-0.1	2,844
CR2-D83-NP	Non-P	675,891	4,966,810	579.0	43.8	43.8	43.8	0.0	0.0	1,929
CR2-D176-P	Participant	673,641	4,962,583	609.0	38.4	38.4	38.4	0.0	0.0	3,304
CR2-D85-NP	Non-P	669,593	4,976,302	603.0	44.1	44.1	44.1	0.0	0.0	1,949
CR2-D3-NP	Non-P	672,390	4,963,482	612.0	44.5	44.5	44.5	0.0	0.0	2,037
CR2-D101-NP	Non-P	672,538	4,961,910	612.8	40.8	40.8	40.8	0.0	0.0	2,677
CR2-D20-NP	Non-P	675,261	4,968,400	579.0	43.0	43.0	43.0	0.0	0.0	2,313
CR2-D62-NP	Non-P	669,355	4,974,624	609.0	39.8	39.9	41.1	1.3	1.2	3,697
CR2-D109-NP	Non-P	676,885	4,965,806	576.0	37.3	37.3	37.3	0.0	0.0	4,432
CR2-D120-NP	Non-P	673,401	4,964,165	609.0	40.6	40.6	40.6	0.0	0.0	3,110
CR2-D121-NP	Non-P	674,461	4,966,734	594.0	43.5	43.5	43.5	0.0	0.0	2,316
CR2-D154-NP	Non-P	672,205	4,960,261	610.8	33.2	33.2	33.2	0.0	0.0	6,496
CR2-D180-NP	Non-P	671,823	4,960,368	615.0	33.7	33.7	33.7	0.0	0.0	5,856
CR2-D11-NP	Non-P	669,646	4,974,534	604.4	39.6	39.6	42.6	3.0	3.0	4,131
CR2-D63-NP	Non-P	670,546	4,961,419	615.0	36.5	36.5	36.5	0.0	0.0	4,065
CR2-D90-NP	Non-P	670,516	4,962,327	612.0	39.7	39.7	39.7	0.0	0.0	3,360
CR2-D205-NP	Non-P	670,455	4,960,601	611.6	33.5	33.5	33.5	0.0	0.0	6,194
CR2-D104-NP	Non-P	670,443	4,961,600	613.8	36.8	36.8	36.8	0.0	0.0	4,058

Table C-1: Crowned Ridge II Sound Level Tabular Results Sorted by Sound Level Reduction
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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
Deuel County
continued

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Hessler Case Sound (dB(A))	Proposed Case Sound (dB(A))	Base Case Sound (dB(A))	Hessler Reduction (DB(A))	Proposed Reduction (DB(A))	Distance to Nearest Turbine (ft)
CR2-D132-NP	Non-P	669,497	4,974,128	609.0	39.5	39.5	41.8	2.3	2.3	3,763
CR2-D206-NP	Non-P	676,828	4,963,231	588.0	33.8	33.8	33.8	0.0	0.0	6,365
CR2-D207-NP	Non-P	676,828	4,963,280	588.0	33.9	33.9	33.9	0.0	0.0	6,250
CR2-D14-NP	Non-P	670,351	4,973,543	606.0	41.7	41.7	42.9	1.2	1.2	2,041
CR2-D15-NP	Non-P	674,387	4,968,515	588.0	42.5	42.5	42.5	0.0	0.0	2,297
CR2-D30-NP	Non-P	669,549	4,974,233	611.9	39.5	39.5	42.2	2.7	2.7	3,953
CR2-D39-P	Participant	668,443	4,974,627	614.4	44.1	44.1	44.2	0.1	0.1	1,706
CR2-D49-P	Participant	672,024	4,974,135	583.2	39.3	39.3	39.5	0.2	0.2	3,537
CR2-D51-NP	Non-P	675,005	4,970,131	577.8	39.5	39.5	39.5	0.0	0.0	2,717
CR2-D54-NP	Non-P	672,012	4,966,477	600.0	43.0	43.0	43.0	0.0	0.0	2,500
CR2-D79-NP	Non-P	672,172	4,974,737	585.0	41.6	41.6	41.7	0.1	0.1	1,955
CR2-D86-NP	Non-P	673,842	4,966,875	597.0	43.4	43.4	43.4	0.0	0.0	1,985
CR2-D103-NP	Non-P	670,588	4,961,119	615.0	35.4	35.4	35.4	0.0	0.0	4,606
CR2-D105-NP	Non-P	670,348	4,963,826	611.7	41.9	41.9	41.9	0.0	0.0	2,821
CR2-D116-NP	Non-P	673,491	4,972,398	577.8	34.8	34.8	34.9	0.1	0.1	6,220
CR2-D119-P	Participant	673,378	4,965,126	602.6	44.5	44.5	44.5	0.0	0.0	1,932
CR2-D122-P	Participant	673,601	4,967,341	594.0	44.1	44.1	44.1	0.0	0.0	1,886
CR2-D123-P	Participant	673,527	4,967,015	596.7	42.9	42.9	42.9	0.0	0.0	2,441
CR2-D124-P	Participant	671,911	4,967,745	603.0	42.5	42.5	42.5	0.0	0.0	2,493
CR2-D190-NP	Non-P	675,131	4,970,954	573.0	36.0	36.0	36.0	0.0	0.0	4,485
CR2-D208-P	Participant	676,741	4,964,971	579.0	38.2	38.2	38.2	0.0	0.0	3,205
CR2-D221-NP	Non-P	670,351	4,973,543	606.0	41.7	41.7	42.9	1.2	1.2	2,041
CR2-D18-NP	Non-P	671,540	4,976,154	582.0	41.8	41.8	41.8	0.0	0.0	2,201
CR2-D19-NP	Non-P	668,870	4,964,178	606.0	42.3	42.3	42.3	0.0	0.0	2,034
CR2-D5-NP	Non-P	668,781	4,964,897	603.0	42.2	42.2	42.2	0.0	0.0	1,923
CR2-D16-P	Participant	671,626	4,966,693	601.7	43.1	43.1	43.1	0.0	0.0	2,018
CR2-D22-NP	Non-P	668,798	4,963,767	603.1	40.9	40.9	40.8	-0.1	-0.1	2,142
CR2-D36-NP	Non-P	669,812	4,966,746	591.0	40.8	40.8	40.8	0.0	0.0	2,854
CR2-D41-NP	Non-P	670,437	4,966,409	597.0	41.3	41.3	41.3	0.0	0.0	3,340
CR2-D44-NP	Non-P	670,434	4,965,956	593.8	43.6	43.6	43.6	0.0	0.0	2,149
CR2-D46-NP	Non-P	669,797	4,966,804	591.0	40.7	40.7	40.7	0.0	0.0	2,972
CR2-D48-NP	Non-P	668,923	4,972,998	609.0	40.0	40.0	40.2	0.2	0.2	2,680
CR2-D50-P	Participant	672,015	4,967,209	602.8	43.8	43.8	43.8	0.0	0.0	1,965
CR2-D65-NP	Non-P	670,422	4,966,654	597.0	40.8	40.8	40.8	0.0	0.0	3,583
CR2-D72-NP	Non-P	671,925	4,970,149	603.0	38.0	38.0	38.0	0.0	0.0	4,495
CR2-D73-NP	Non-P	672,072	4,971,556	600.0	36.8	36.8	36.8	0.0	0.0	4,035
CR2-D77-NP	Non-P	672,044	4,966,468	600.0	43.0	43.0	43.0	0.0	0.0	2,444
CR2-D92-NP	Non-P	671,159	4,971,610	597.2	37.2	37.2	37.3	0.1	0.1	3,881

Table C-1: Crowned Ridge II Sound Level Tabular Results Sorted by Sound Level Reduction
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
Deuel County
continued

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Hessler Case Sound (dB(A))	Proposed Case Sound (dB(A))	Base Case Sound (dB(A))	Hessler Reduction (DB(A))	Proposed Reduction (DB(A))	Distance to Nearest Turbine (ft)
CR2-D98-P	Participant	669,757	4,972,426	606.0	37.2	37.2	37.5	0.3	0.3	5,381
CR2-D99-NP	Non-P	668,148	4,976,230	608.8	39.7	39.9	39.8	0.1	-0.1	4,331
CR2-D107-NP	Non-P	670,405	4,966,321	597.0	41.6	41.6	41.6	0.0	0.0	3,143
CR2-D108-NP	Non-P	670,354	4,965,949	594.0	43.5	43.5	43.5	0.0	0.0	2,198
CR2-D110-NP	Non-P	670,260	4,967,728	597.0	42.2	42.2	42.2	0.0	0.0	2,211
CR2-D111-P	Participant	671,876	4,969,006	600.0	42.9	42.9	42.9	0.0	0.0	2,178
CR2-D125-NP	Non-P	670,404	4,966,786	597.0	40.7	40.7	40.7	0.0	0.0	3,422
CR2-D126-NP	Non-P	670,227	4,967,455	593.3	41.2	41.2	41.2	0.0	0.0	2,749
CR2-D129-NP	Non-P	669,645	4,973,005	606.0	38.1	38.1	38.7	0.6	0.6	4,682
CR2-D130-NP	Non-P	672,080	4,973,212	591.0	40.5	40.5	40.6	0.1	0.1	2,260
CR2-D220-NP	Non-P	670,260	4,967,728	597.0	42.2	42.2	42.2	0.0	0.0	2,211
CR2-D222-NP	Non-P	672,081	4,973,212	591.0	40.5	40.5	40.6	0.1	0.1	2,264
CR2-D223-NP	Non-P	670,227	4,967,455	593.3	41.2	41.2	41.2	0.0	0.0	2,749
CR2-D224-NP	Non-P	669,887	4,966,846	590.6	40.5	40.5	40.5	0.0	0.0	3,261
CR2-D84-NP	Non-P	667,159	4,972,169	598.2	37.6	37.6	37.6	0.0	0.0	5,535
CR2-D100-NP	Non-P	668,589	4,972,064	609.9	37.6	37.6	37.6	0.0	0.0	4,708
CR2-D37-NP	Non-P	674,048	4,974,071	573.0	34.2	34.2	34.2	0.0	0.0	6,542
CR2-D106-NP	Non-P	667,315	4,965,297	594.0	36.3	36.3	36.2	-0.1	-0.1	5,351
CR2-D53-P	Participant	670,392	4,975,925	592.8	45.8	45.8	45.8	0.0	0.0	1,801
CR2-D131-P	Participant	669,471	4,977,139	597.5	44.4	44.4	44.3	-0.1	-0.1	2,087
CR2-D21-NP	Non-P	669,517	4,978,053	596.1	43.8	43.8	43.6	-0.2	-0.2	1,985
CR2-D38-P	Participant	667,108	4,982,083	597.0	45.3	45.0	45.0	-0.3	0.0	1,693
CR2-D64-P	Participant	669,417	4,978,434	588.0	42.8	42.8	42.5	-0.3	-0.3	2,425
CR2-D56-P	Participant	667,119	4,977,925	612.0	44.2	44.3	43.9	-0.3	-0.4	2,110
CR2-D75-NP	Non-P	669,473	4,981,625	570.0	36.4	36.2	36.0	-0.4	-0.2	6,355
CR2-D23-NP	Non-P	669,671	4,980,468	573.0	37.7	37.6	37.2	-0.5	-0.4	4,380
CR2-D71-NP	Non-P	669,402	4,979,216	588.0	42.5	42.5	42.0	-0.5	-0.5	1,975
CR2-D133-NP	Non-P	669,661	4,980,356	576.0	38.0	37.9	37.5	-0.5	-0.4	4,035

Table C-1: Crowned Ridge II Sound Level Tabular Results Sorted by Sound Level Reduction
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
Grant County
continued

Receptor ID	Participation Status	Easting (m)	Northing (m)	Elevation AMSL (m)	Hessler Case Sound (dB(A))	Proposed Case Sound (dB(A))	Base Case Sound (dB(A))	Hessler Reduction (DB(A))	Proposed Reduction (DB(A))	Distance to Nearest Turbine (ft)
CR2-G8-P	Participant	668,054	4,985,395	576.0	39.7	39.7	39.7	0.0	0.0	2,385
CR2-G9-NP	Non-P	668,173	4,985,425	570.1	38.7	38.7	38.7	0.0	0.0	2,782
CR1-G70-NP	Non-P	677,465	4,991,043	492.0	30.0	30.0	30.0	0.0	0.0	12,651
CR1-G600-NP	Non-P	674,301	5,005,773	393.0	28.8	28.8	28.8	0.0	0.0	13,186

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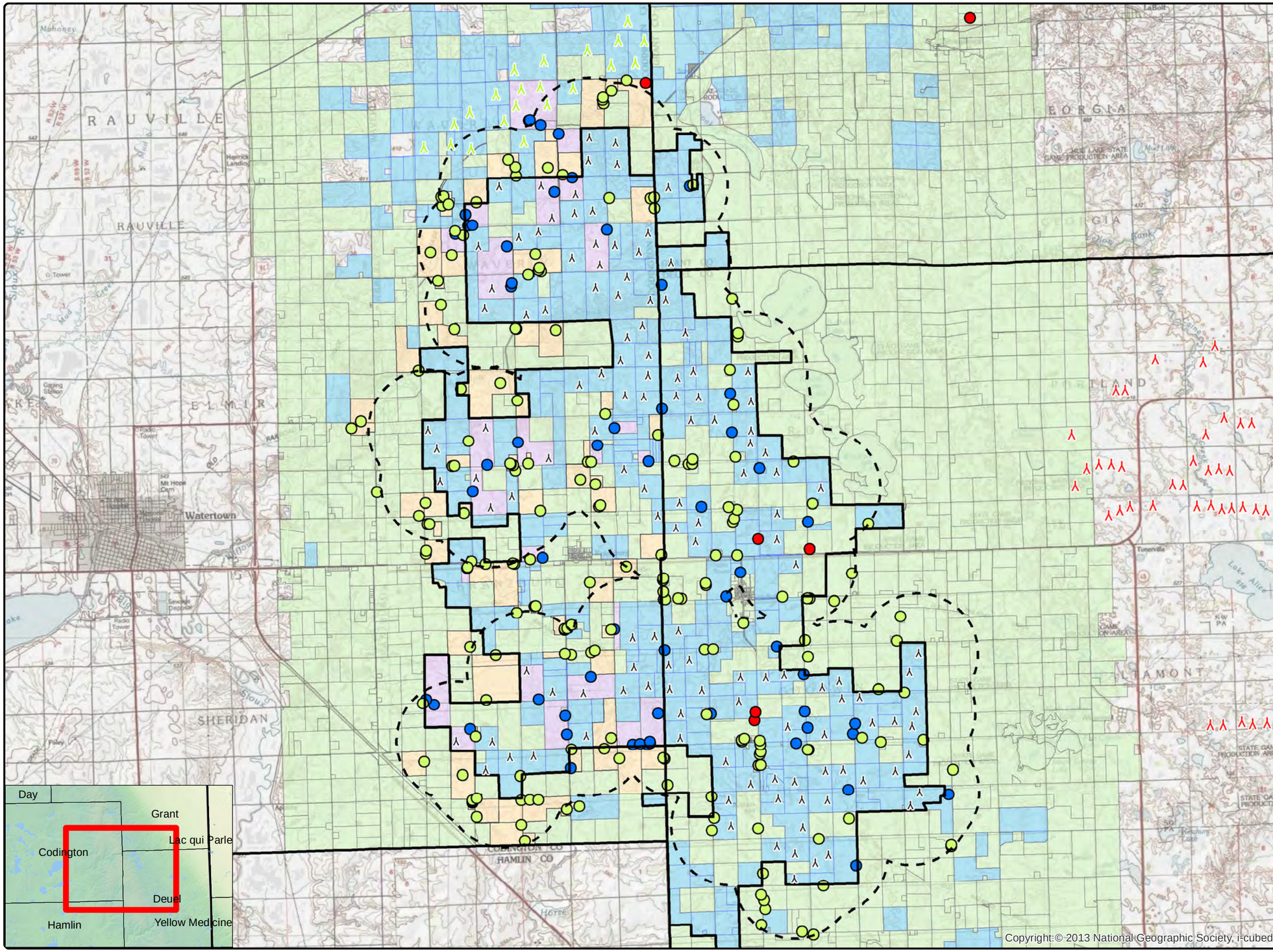

0 0.75 1.5 3 Mile

EAPC WIND ENERGY

www.eapc.net | 701.775.3000

Crowned Ridge II Wind Farm
300 MW
Overview Map

Client

SWCA Environmental Consultants

Project Description

Wind turbine layout with land parcels within the project footprint and existing occupied strucures.

Codington County land parcels within 2 km of a wind turbine.

Hessler array with 6 alternates.

Location: Watertown, SD

Project #: 20174431

Issue Dates

#	Description	Date
1	Original	2019.12.30

Drawn By: AS *Checked By: JH*

Legend

- Crowned Ridge II Turbines 300 MW
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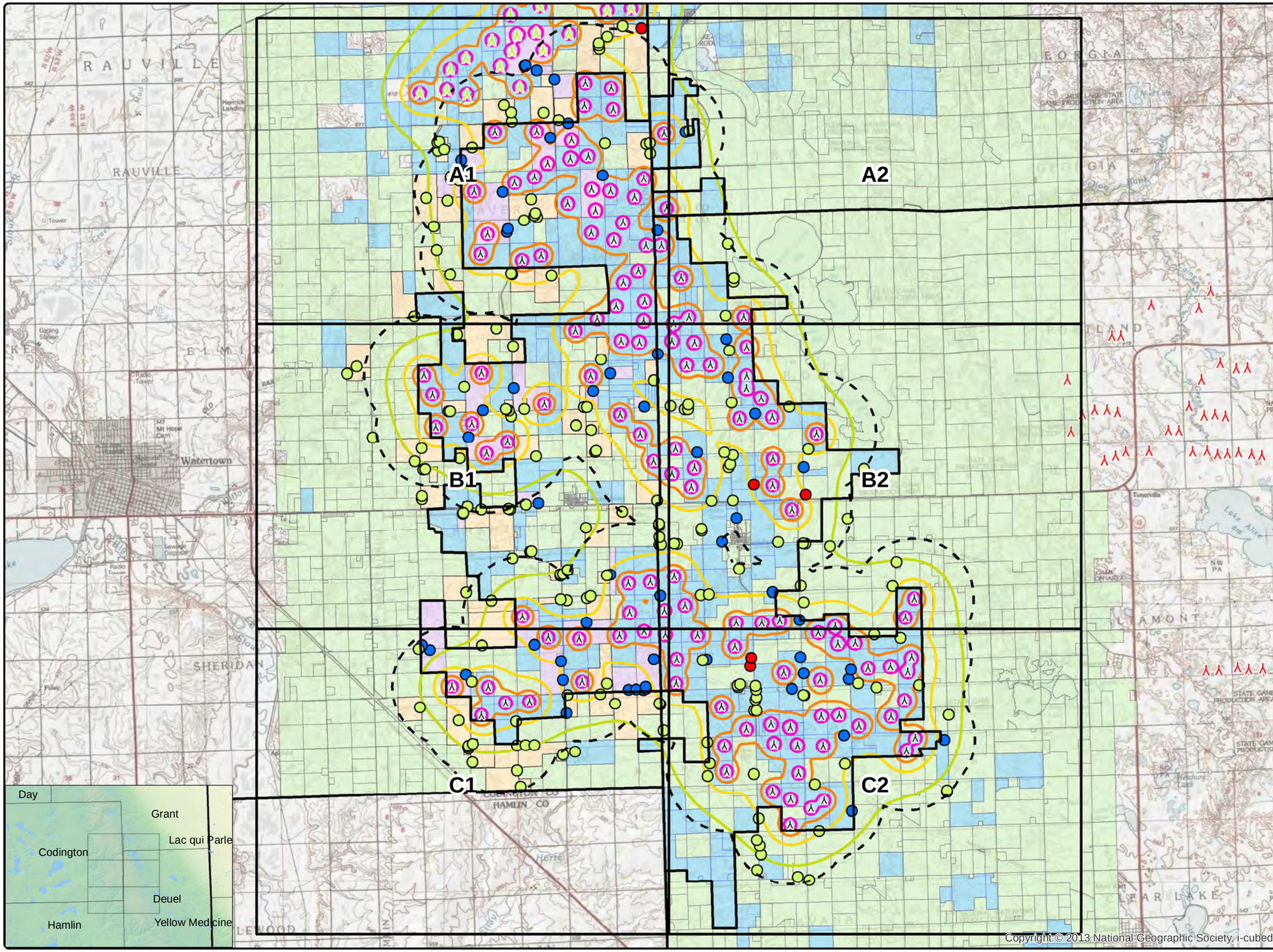

0 0.75 1.5 3 Mile

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Crowned Ridge II Wind Farm
300 MW
Sound Overview Map

Client

SWCA Environmental Consultants

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Drawn By: AS *Checked By: JH*

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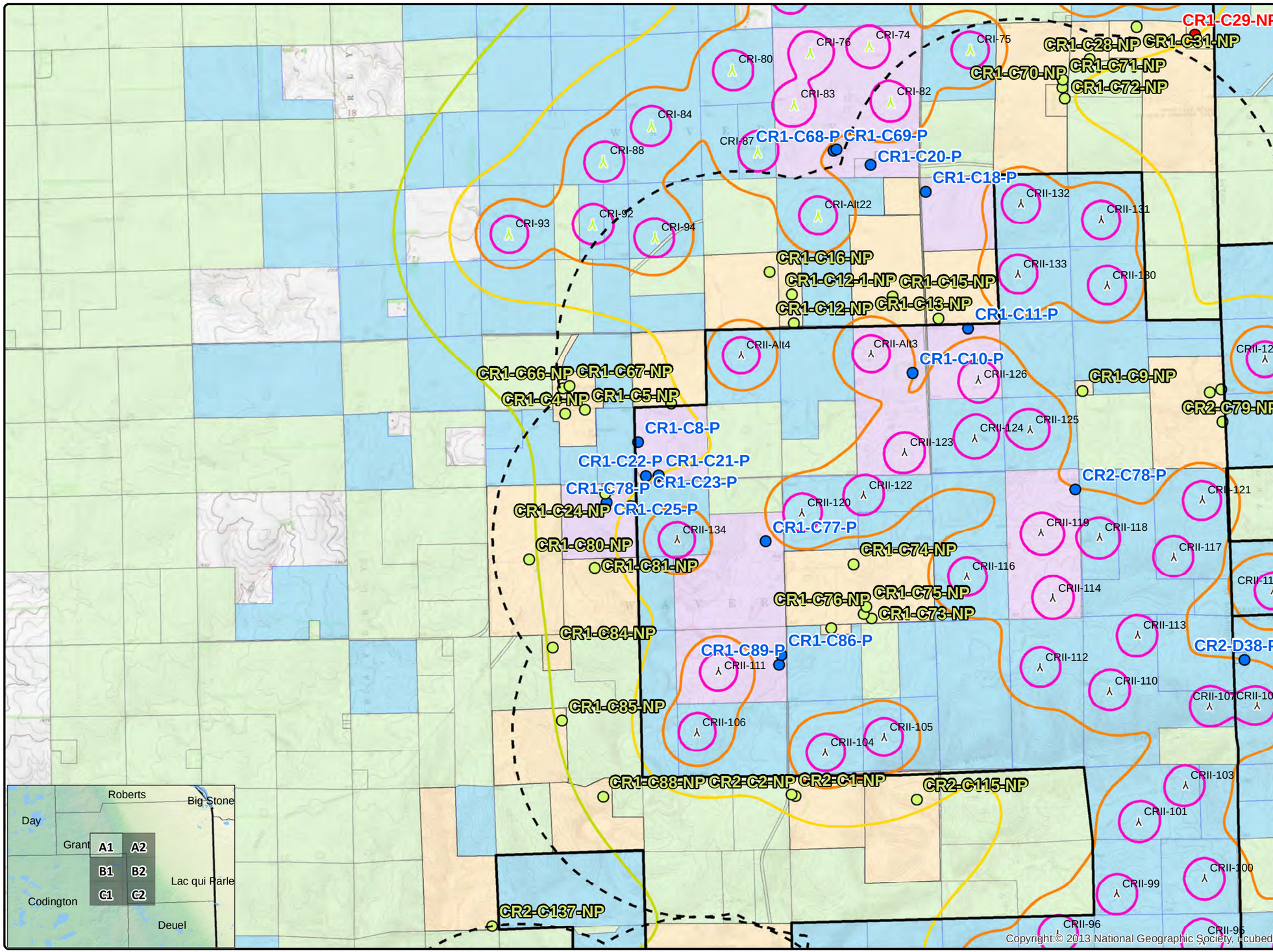

0 0.275 0.55 1.1 Mile

EAPC WIND ENERGY

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Crowned Ridge II Wind Farm
300 MW
Sound Pressure Iso-Lines

Client

SWCA Environmental Consultants

Project Description

Wind turbine layout with land parcels within the project footprint and existing occupied strucures.

Codington County land parcels within 2 km of a wind turbine.

Hessler array with 6 alternates.

Location: Watertown, SD

Project #: 20174430

Issue Dates

#	Description	Date
1	Original	2019.12.30

Drawn By: AS *Checked By:* JH

Legend

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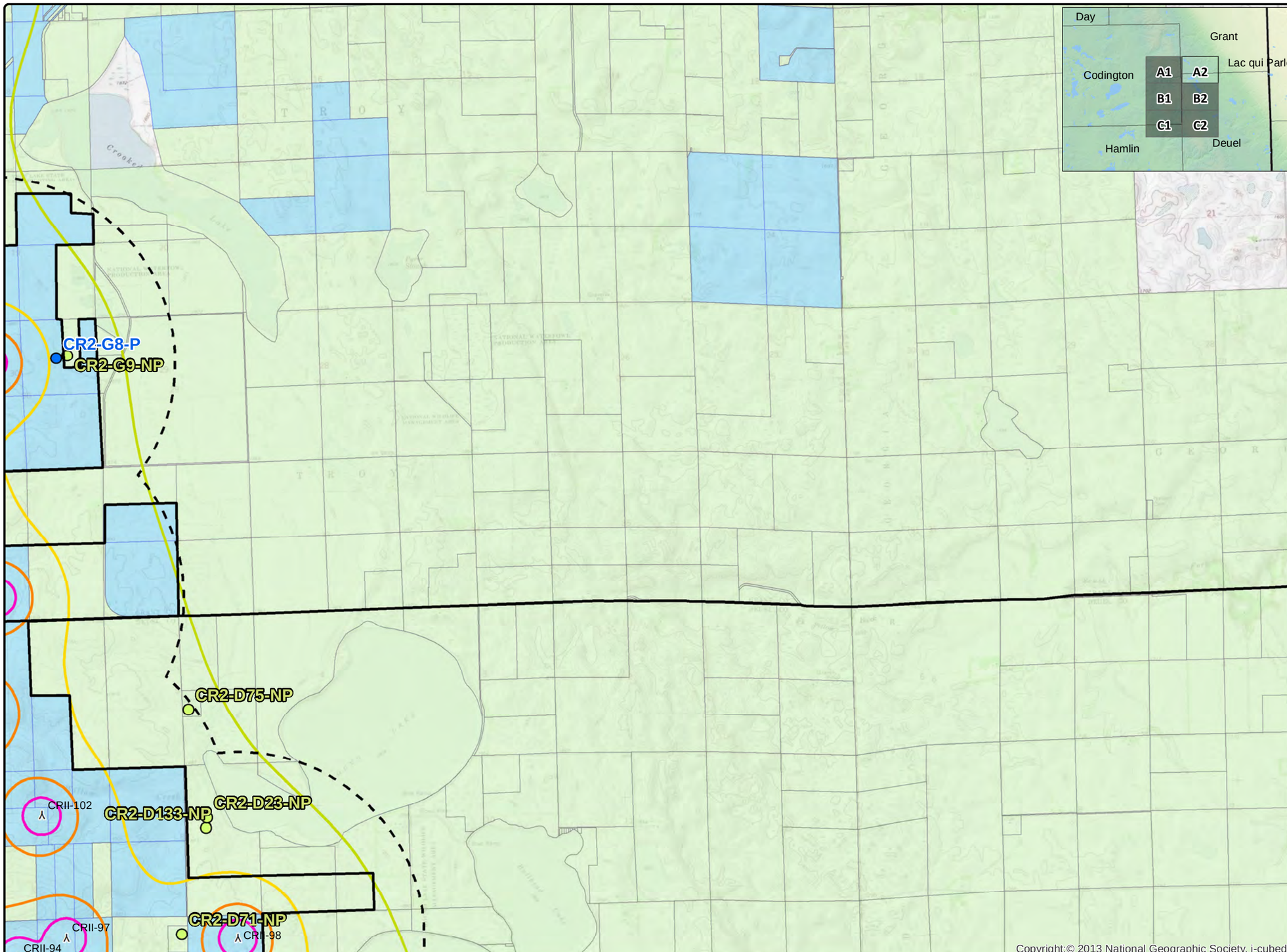

0 0.275 0.55 1.1 Mile

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Crowned Ridge II Wind Farm
300 MW
Sound Pressure Iso-Lines

Client

SWCA Environmental Consultants

Project Description

Wind turbine layout with land parcels within the project footprint and existing occupied strucures.

Codington County land parcels within 2 km of a wind turbine.

Hessler array with 6 alternates.

Location: Watertown, SD

Project #: 20174431

Issue Dates

#	Description	Date
1	Original	2019.12.30

Drawn By: AS *Checked By: JH*

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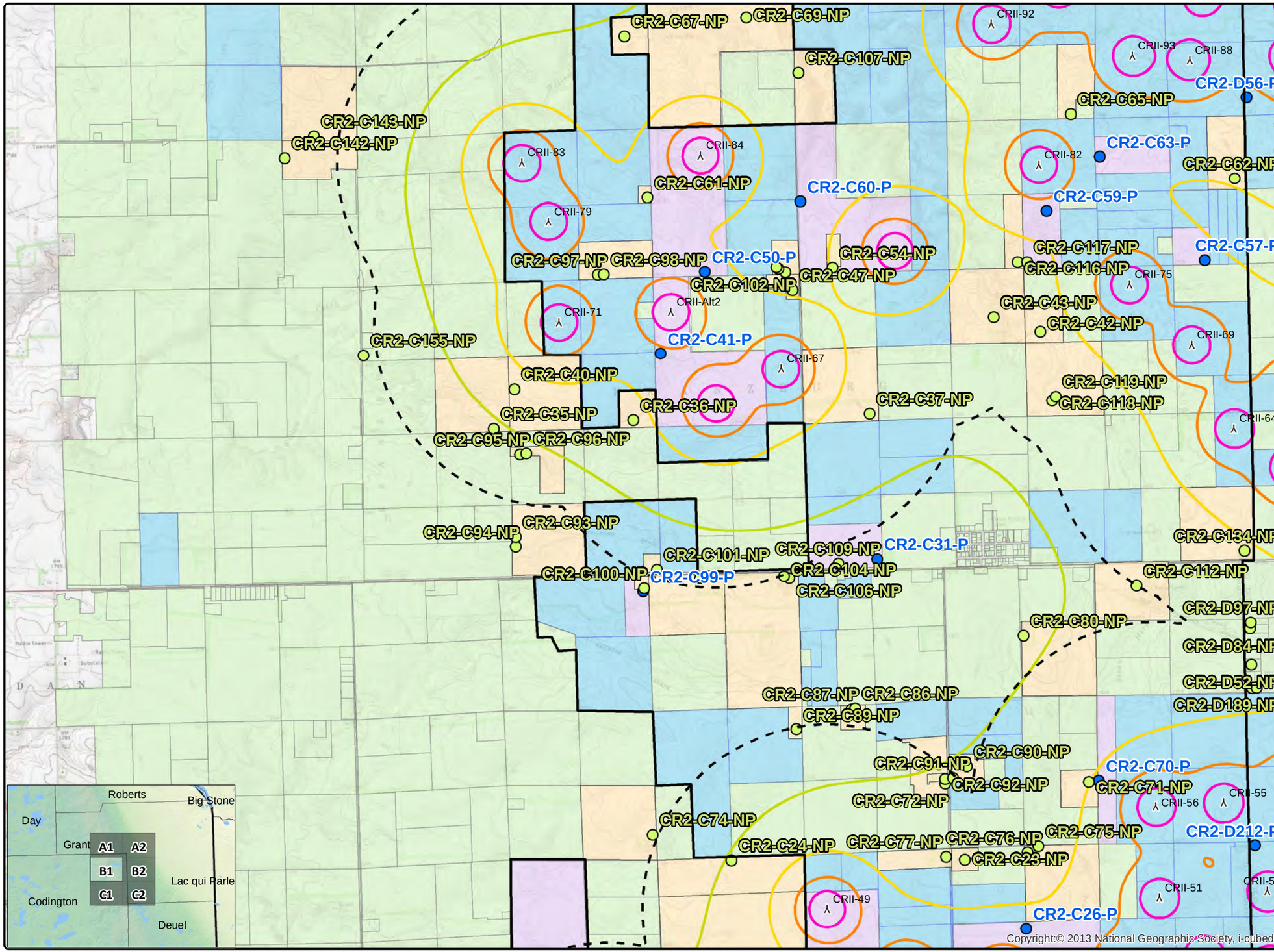

0 0.275 0.55 1.1 Mile

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Crowned Ridge II Wind Farm
300 MW
Sound Pressure Iso-Lines

Client

SWCA Environmental Consultants

Project Description

Wind turbine layout with land parcels within the project footprint and existing occupied strucures.

Codington County land parcels within 2 km of a wind turbine.

Hessler array with 6 alternates.

Location: Watertown, SD

Project #: 20174430

Issue Dates

#	Description	Date
1	Original	2019.12.30

Drawn By: AS *Checked By: JH*

Legend

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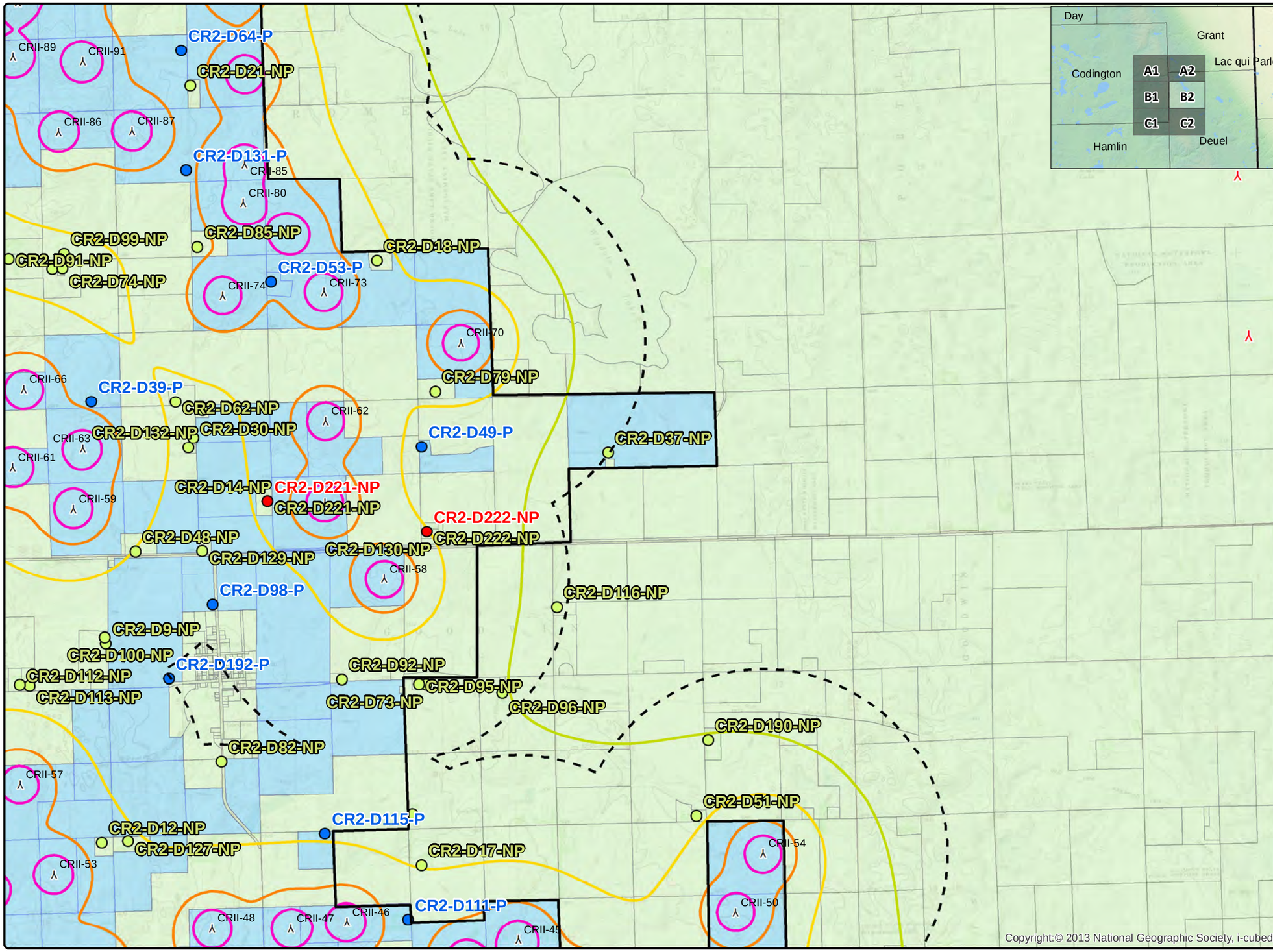

0 0.275 0.55 1.1 Mile

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Crowned Ridge II Wind Farm
300 MW
Sound Pressure Iso-Lines

Client

SWCA Environmental Consultants

Project Description

Wind turbine layout with land parcels within the project footprint and existing occupied strucures.

Codington County land parcels within 2 km of a wind turbine.

Hessler array with 6 alternates.

Location: Watertown, SD

Project #: 20174431

Issue Dates

#	Description	Date
1	Original	2019.12.30

Drawn By: AS *Checked By: JH*

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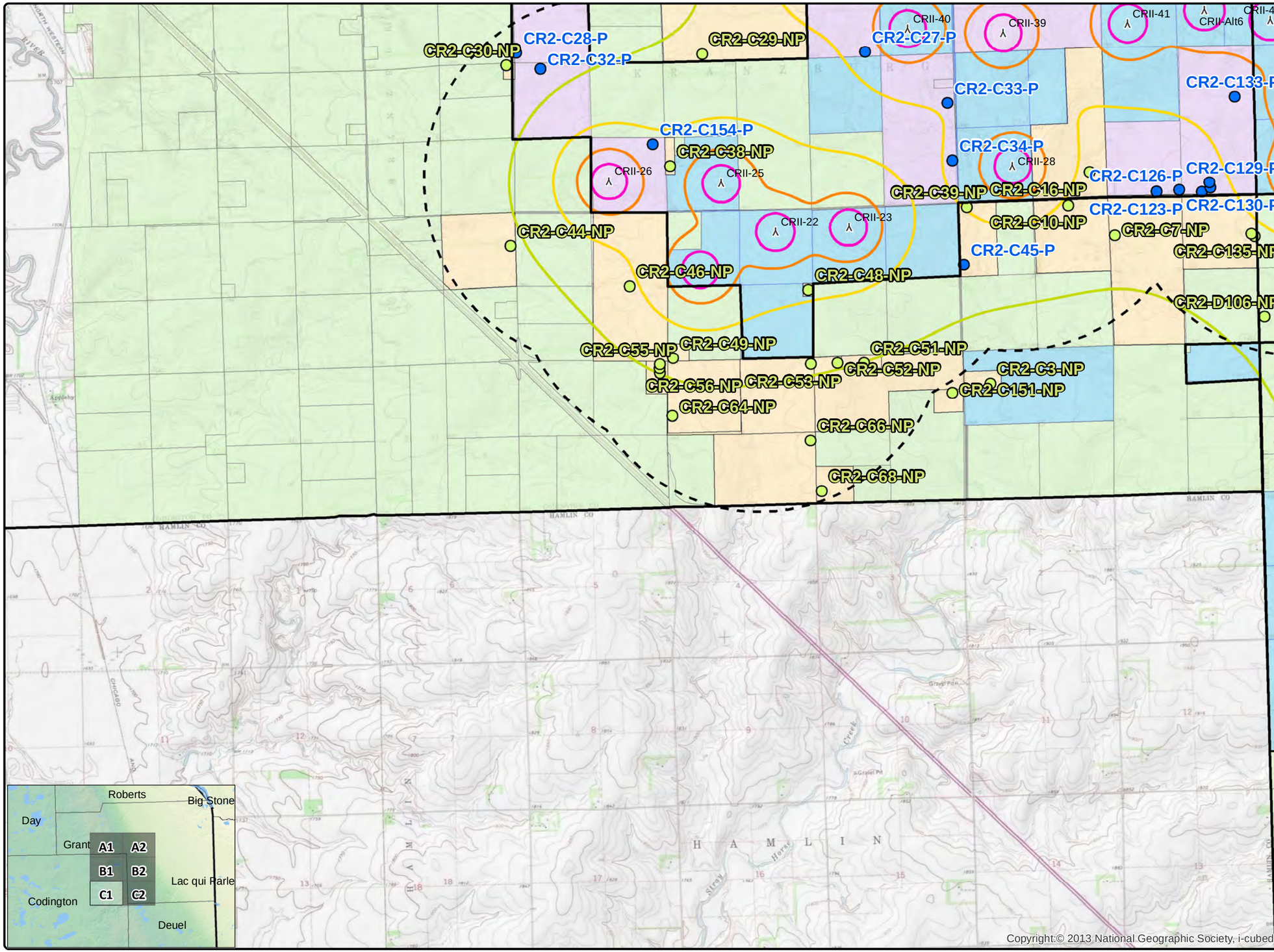

0 0.275 0.55 1.1 Mile

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Crowned Ridge II Wind Farm
300 MW
Sound Pressure Iso-Lines

Client

SWCA Environmental Consultants

Project Description

Wind turbine layout with land parcels within the project footprint and existing occupied strucures.

Codington County land parcels within 2 km of a wind turbine.

Hessler array with 6 alternates.

Location: Watertown, SD

Project #: 20174430

Issue Dates

#	Description	Date
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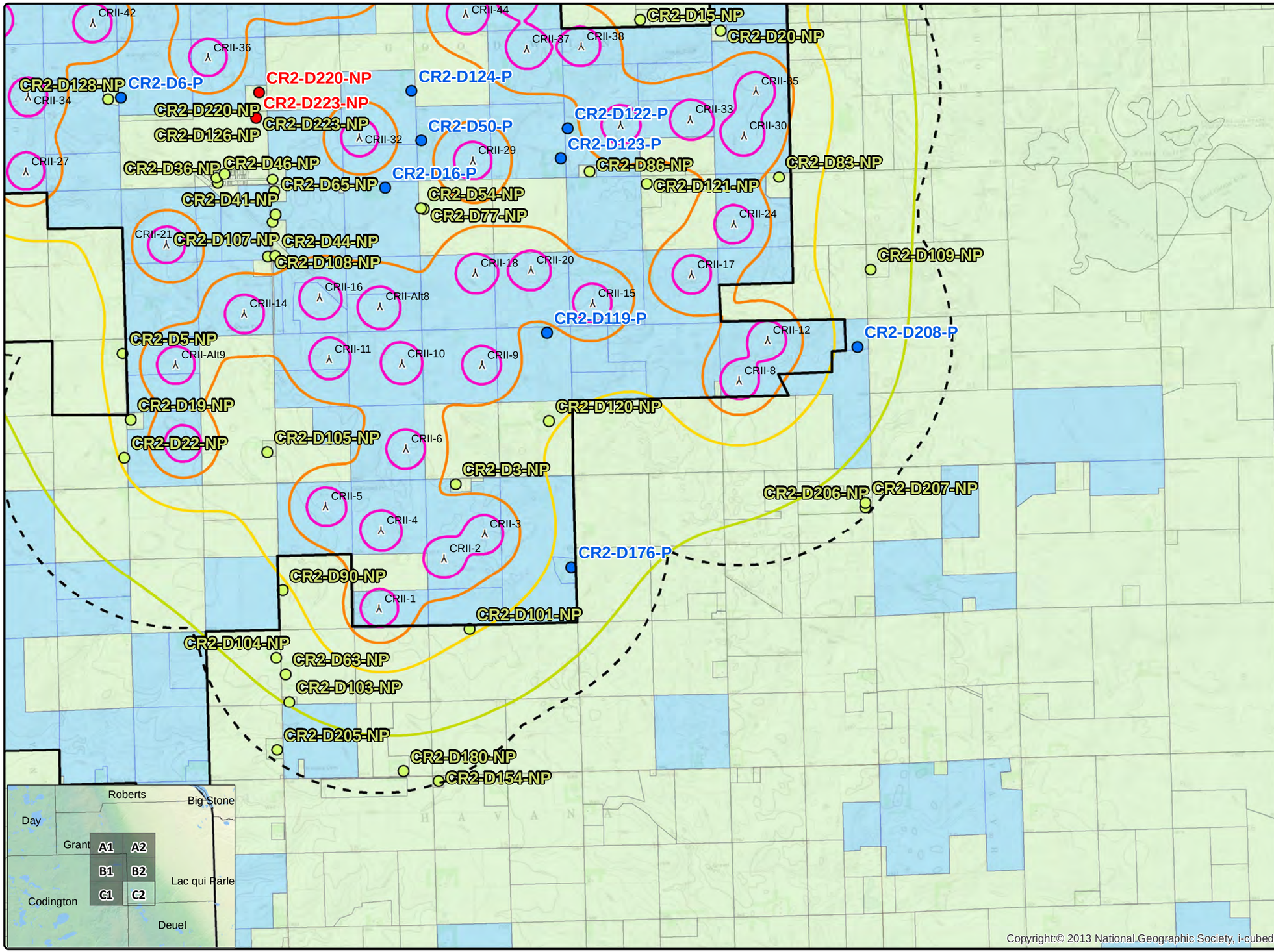

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Crowned Ridge II Wind Farm
300 MW
Sound Pressure Iso-Lines

Client

SWCA Environmental Consultants

Project Description

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Hessler array with 6 alternates.

Location: Watertown, SD

Project #: 20174430

Issue Dates

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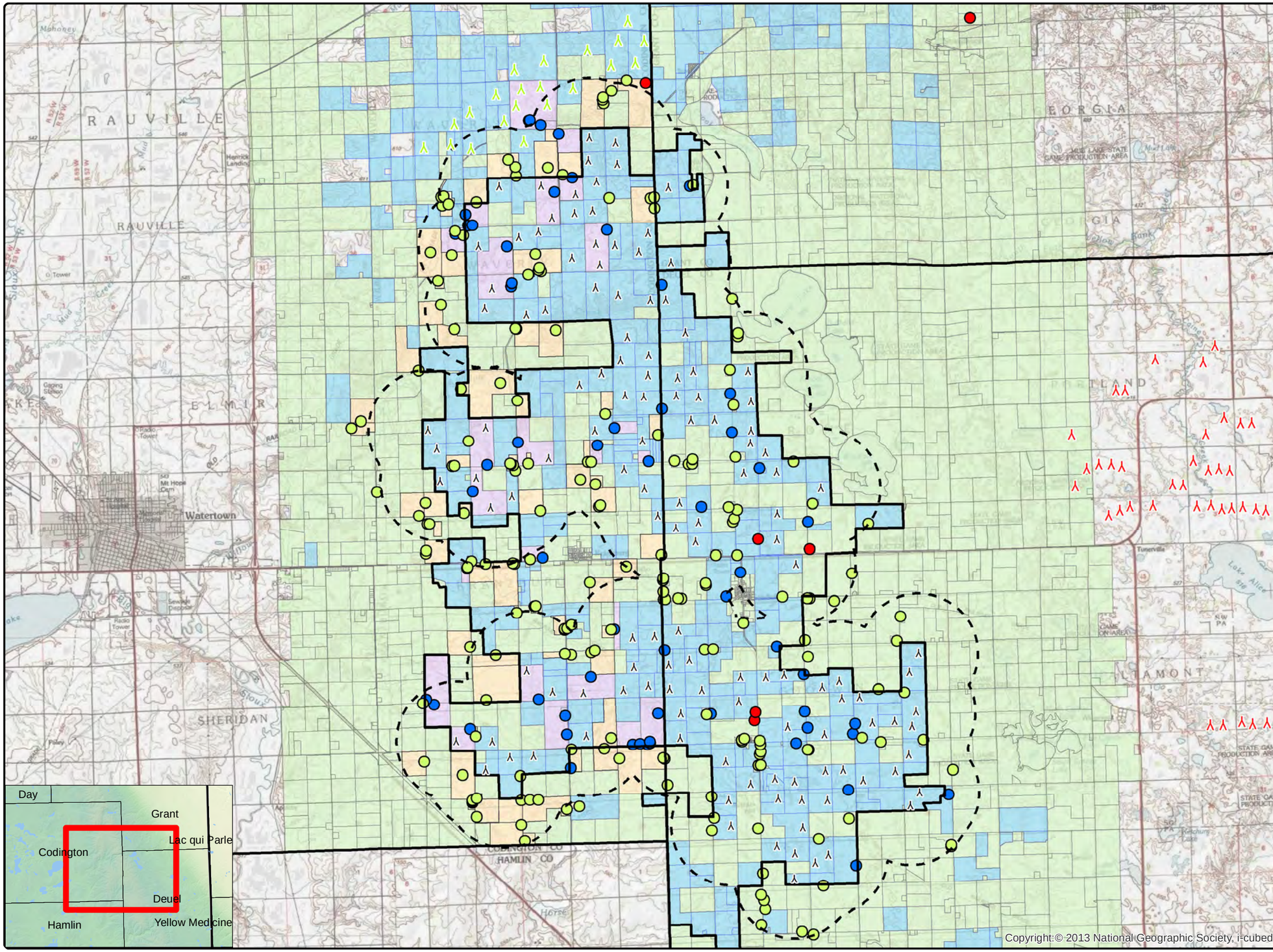

0 0.75 1.5 3 Mile

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Crowned Ridge II Wind Farm
300 MW
Overview Map

Client

SWCA Environmental Consultants

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Codington County land parcels within 2 km of a wind turbine.

NEER array with 4 alternates.

Location: Watertown, SD

Project #: 20174431

Issue Dates

#	Description	Date
1	Original	2019.12.30

Drawn By: AS *Checked By: JH*

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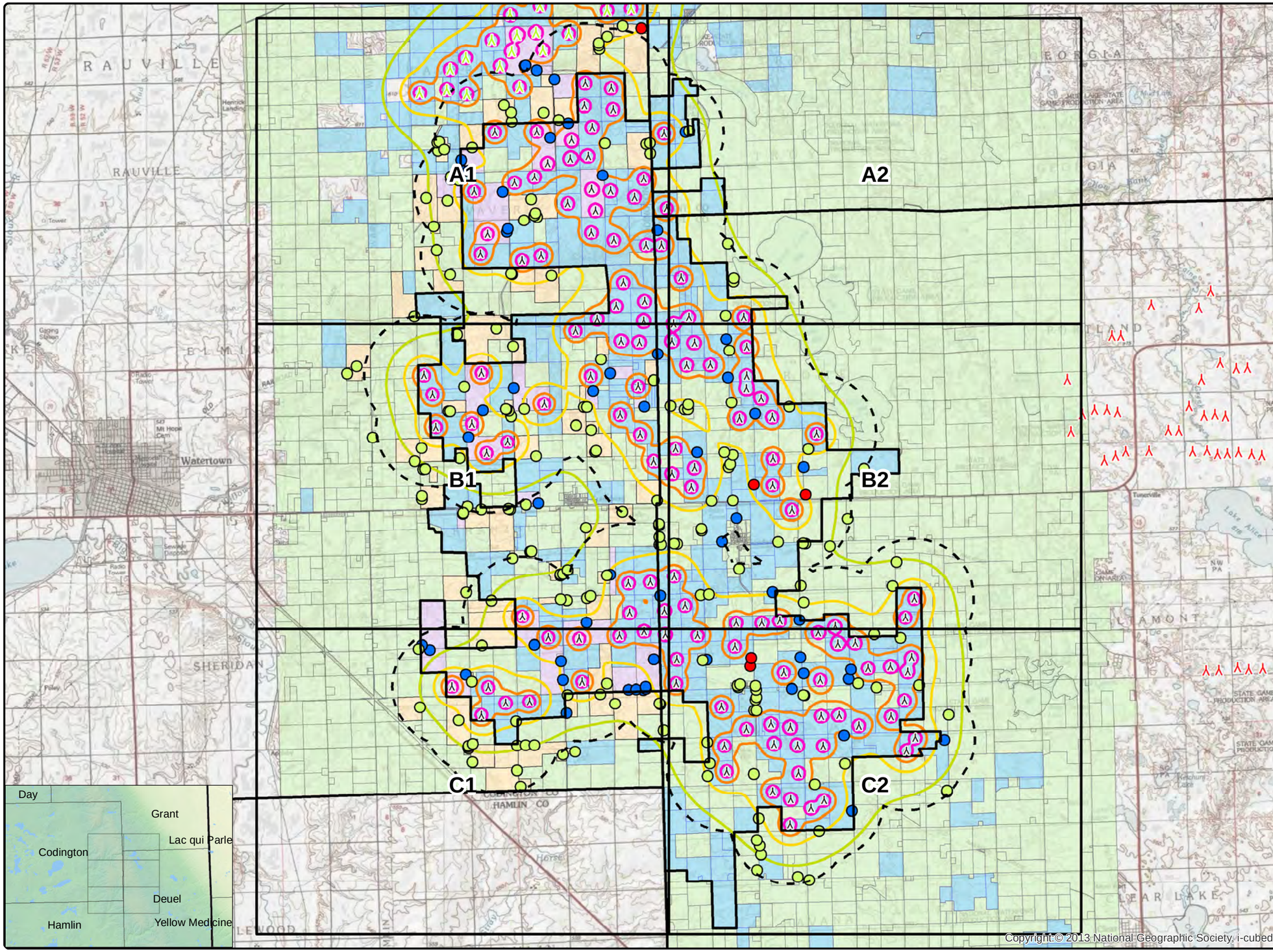

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Crowned Ridge II Wind Farm
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Sound Overview Map

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- CR II Intervenors
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- Participants Noise

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- 35
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- 45
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- Participating Codington_Parcels
- Non-Participating Parcels
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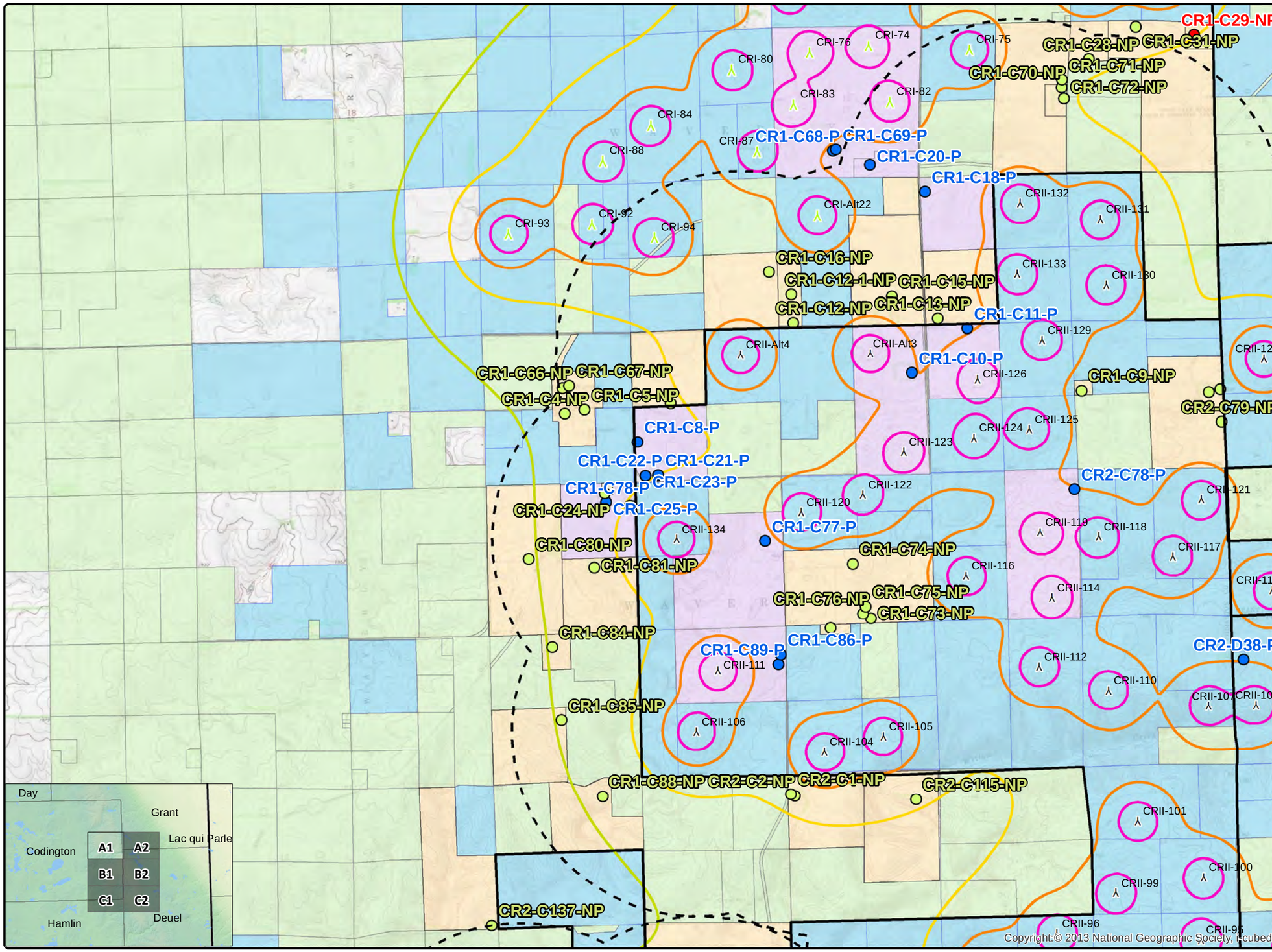

0 0.275 0.55 1.1 Mile

EAPC WIND ENERGY

www.eapc.net | 701.775.3000

Crowned Ridge II Wind Farm
300 MW
Sound Pressure Iso-Lines

Client

SWCA Environmental Consultants

Project Description

Wind turbine layout with land parcels within the project footprint and existing occupied strucures.

Codington County land parcels within 2 km of a wind turbine.

NEER array with 4 alternates.

Location: Watertown, SD

Project #: 20174431

Issue Dates

#	Description	Date
1	Original	2019.12.30

Drawn By: AS *Checked By: JH*

Legend

- Crowned Ridge II Turbines 300 MW
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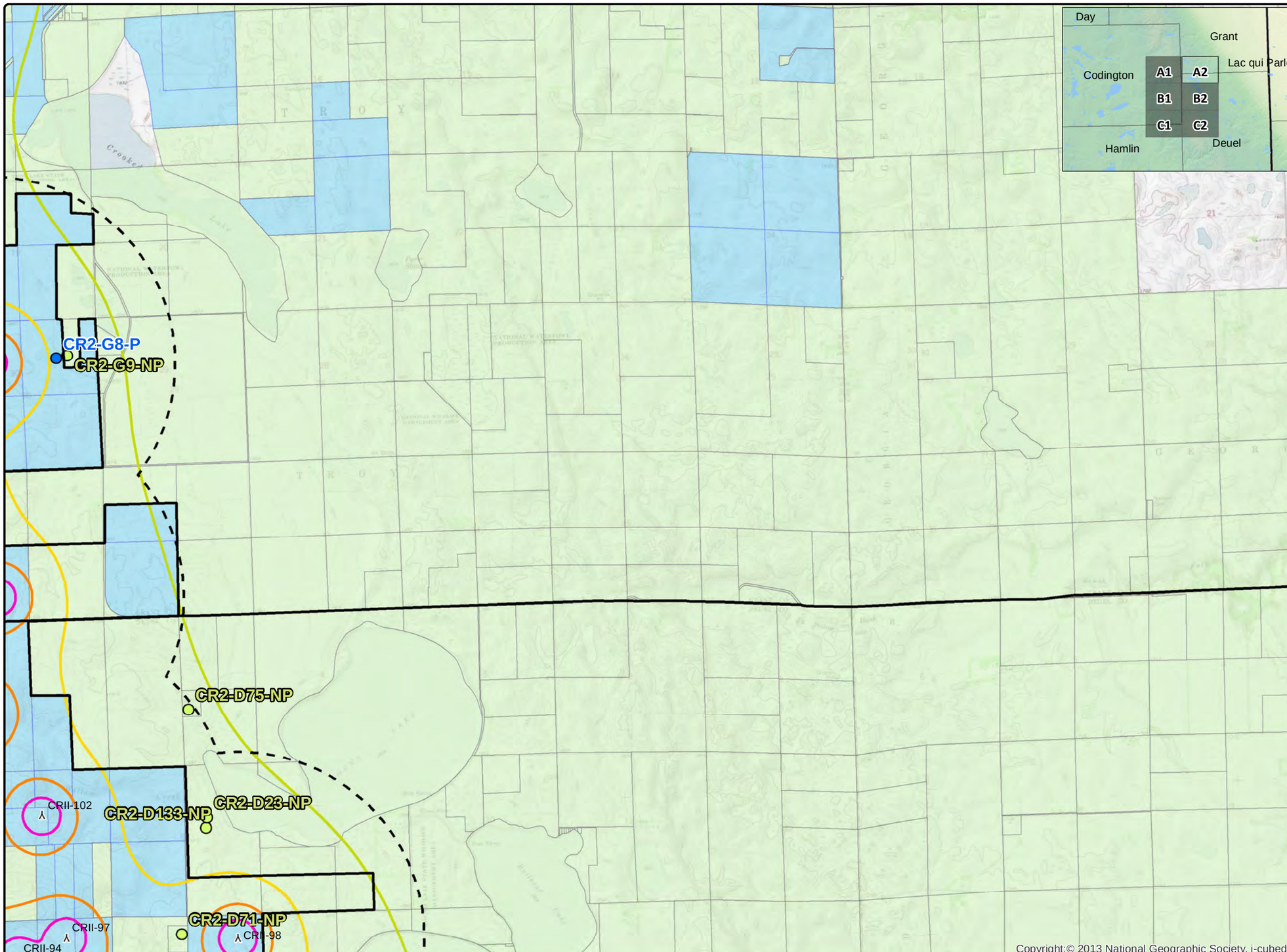

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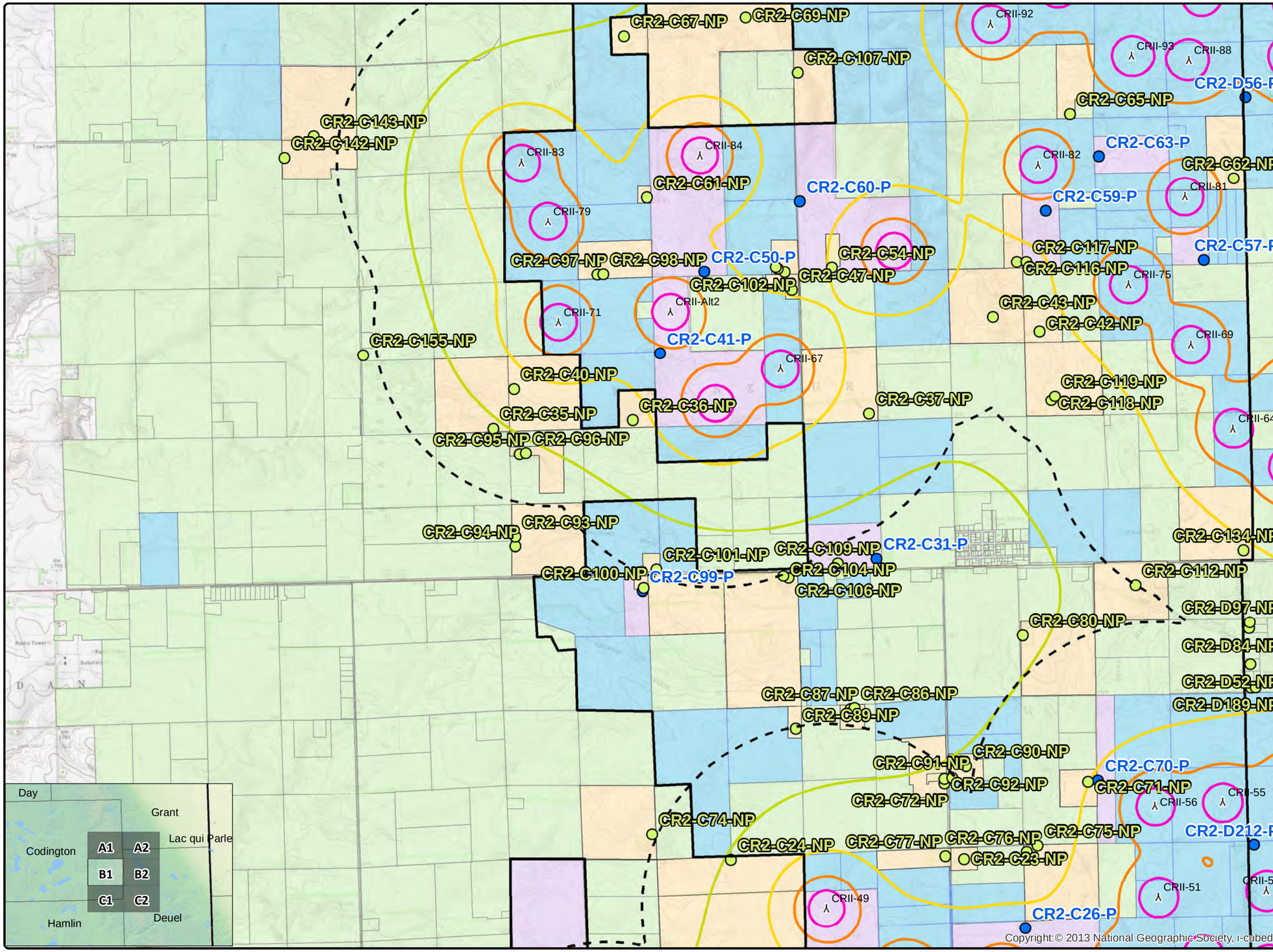

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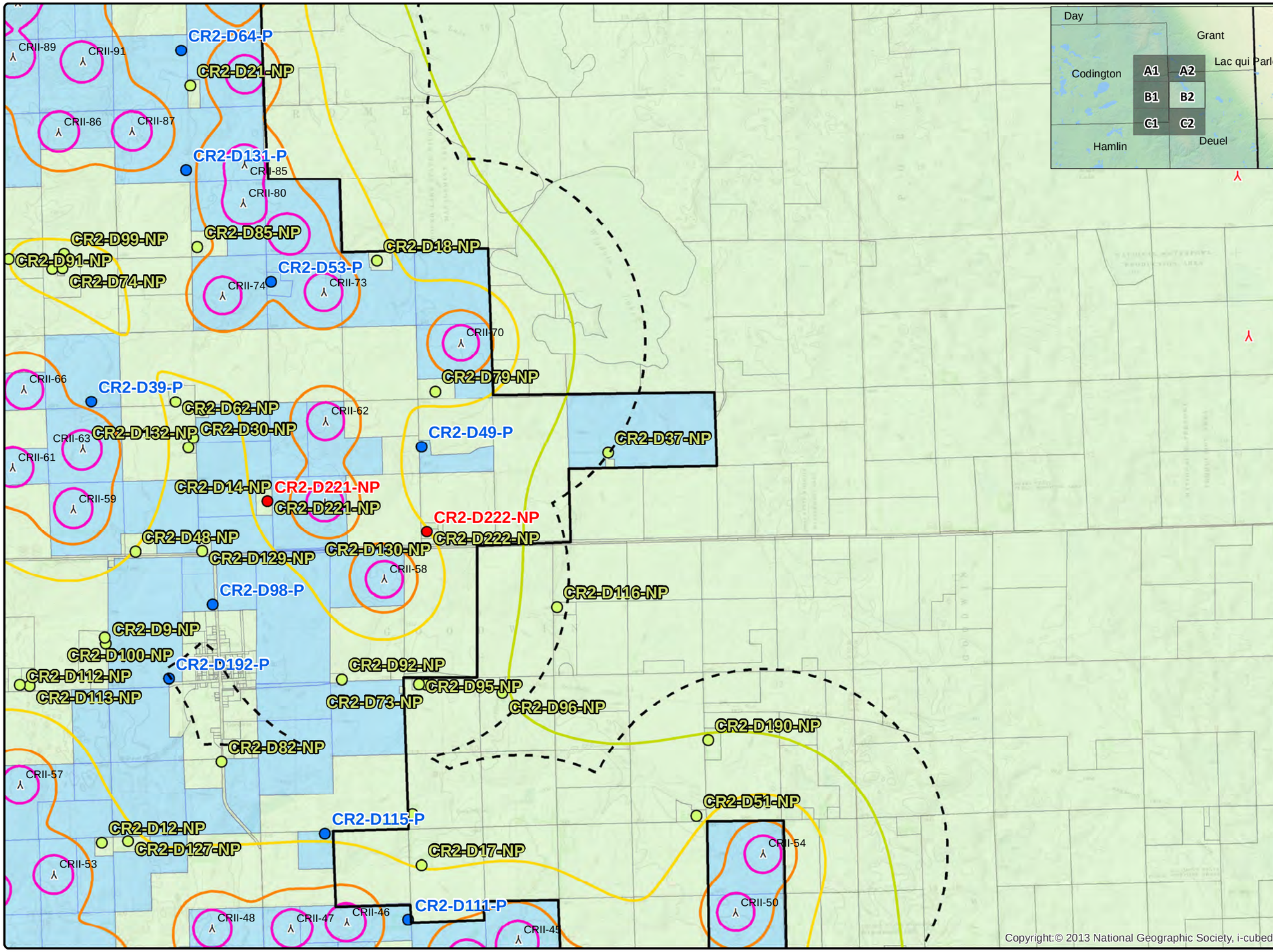

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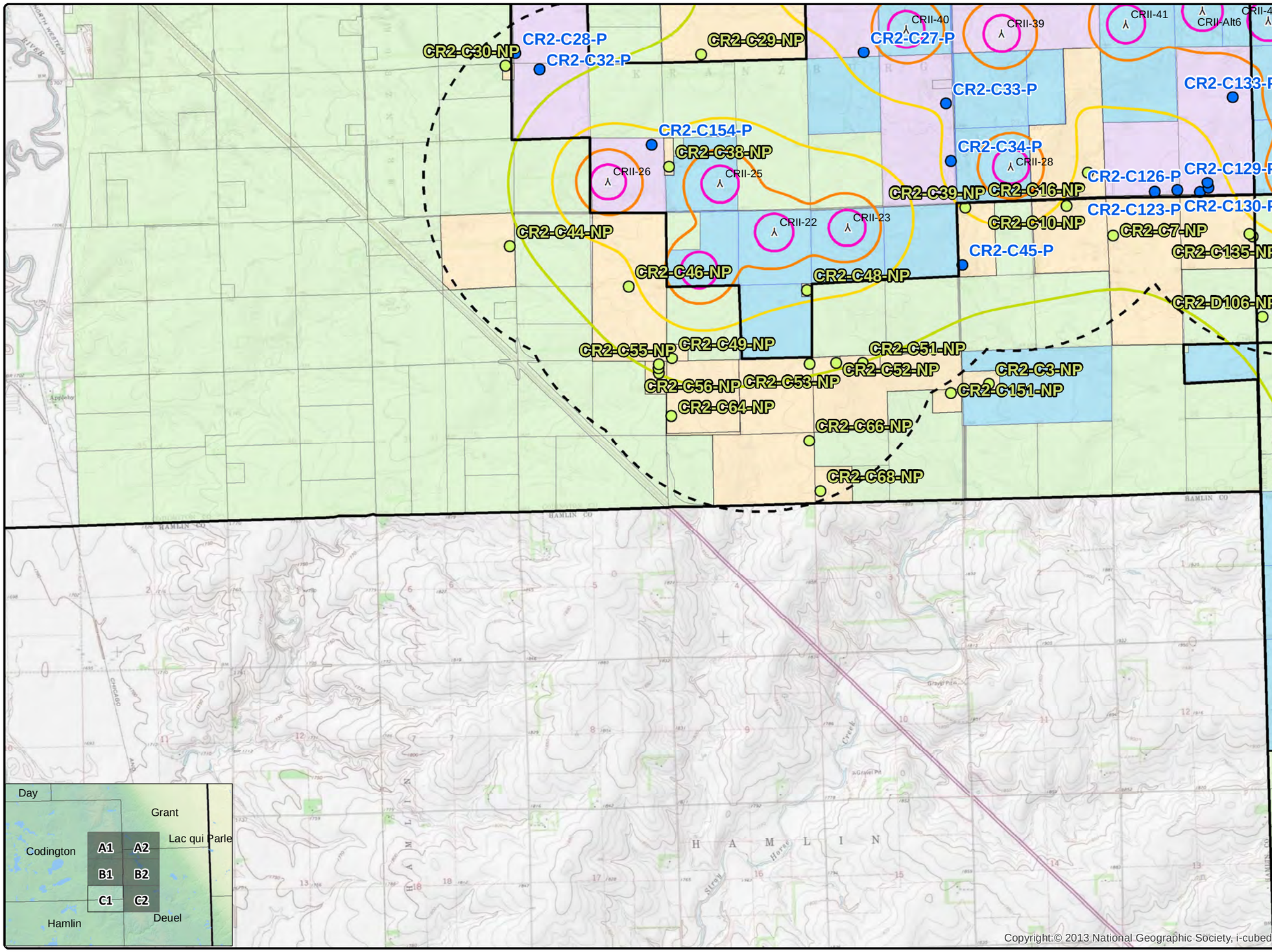

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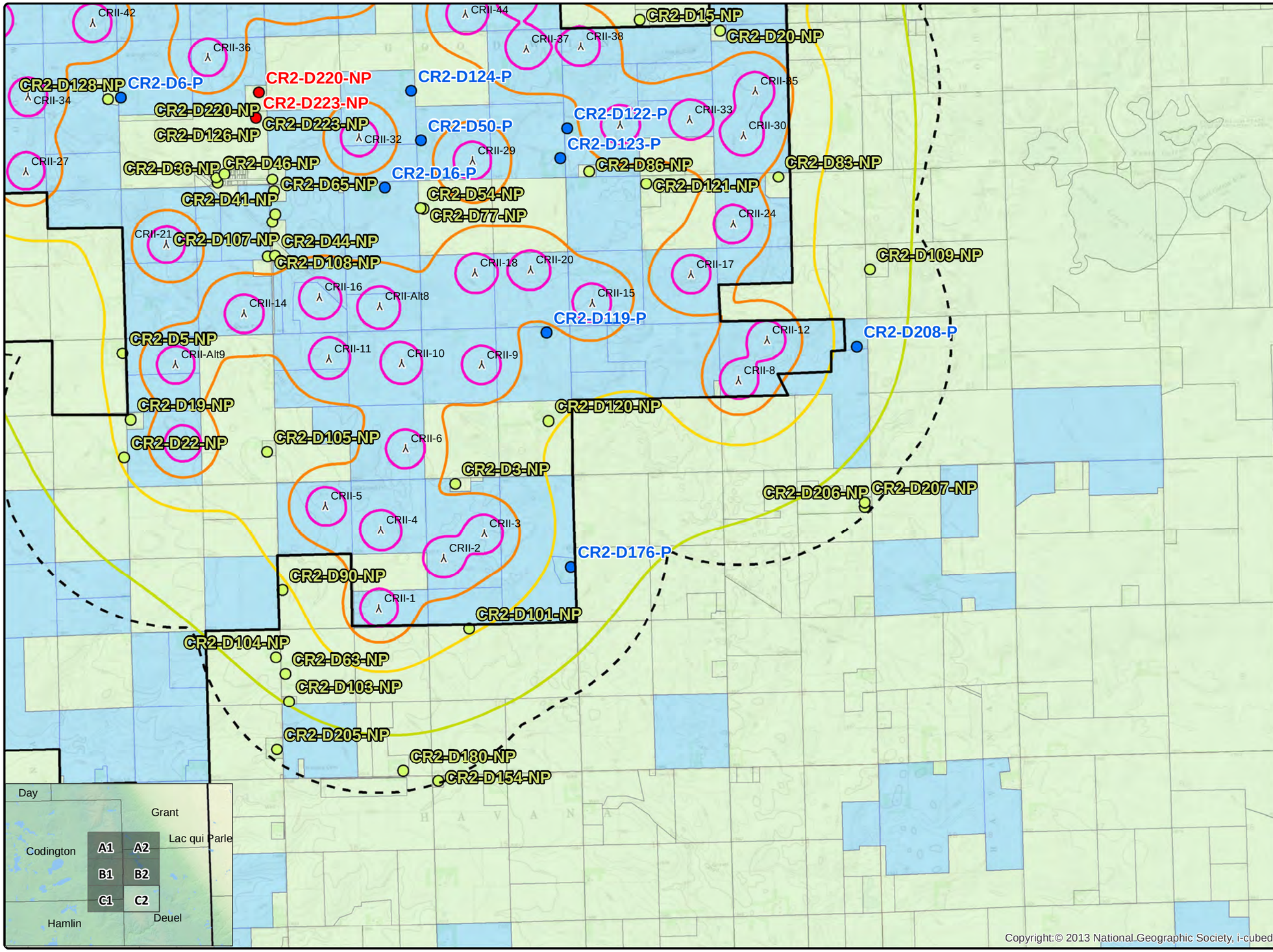

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