#### **BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF SOUTH DAKOTA**

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IN THE MATTER OF THE APPLICATION BY CROWNED RIDGE WIND, LLC FOR A PERMIT OF A WIND ENERGY FACILITY IN GRANT AND CODINGTON COUNTIES

EL19-003

## APPLICANT'S RESPONSES TO STAFF'S FOURTH SET OF DATA REQUESTS TO CROWNED RIDGE WIND, LLC

Attached, please find Applicant's Responses to Staff's Fourth Set of Data

Requests to Crowned Ridge Wind, LLC ("Crowned Ridge" or "Company").

4-1) Referring to Crowned Ridge's response to Staff data request 3-3, please provide the following:

i) An explanation as to why section 3 of the Sound Study (Appendix H to the Application) did not identify that Dakota Range I&II was included in the noise model,

**Response**: The Sound Study filed with the Application did not include the effects from the Dakota Range I & II wind project, as the Study focused on the sound resulting for the proposed Crowned Ridge Wind project. Subsequently, the effects of the Dakota Range I and II project were set forth on page 4 of Haley's Supplemental testimony.

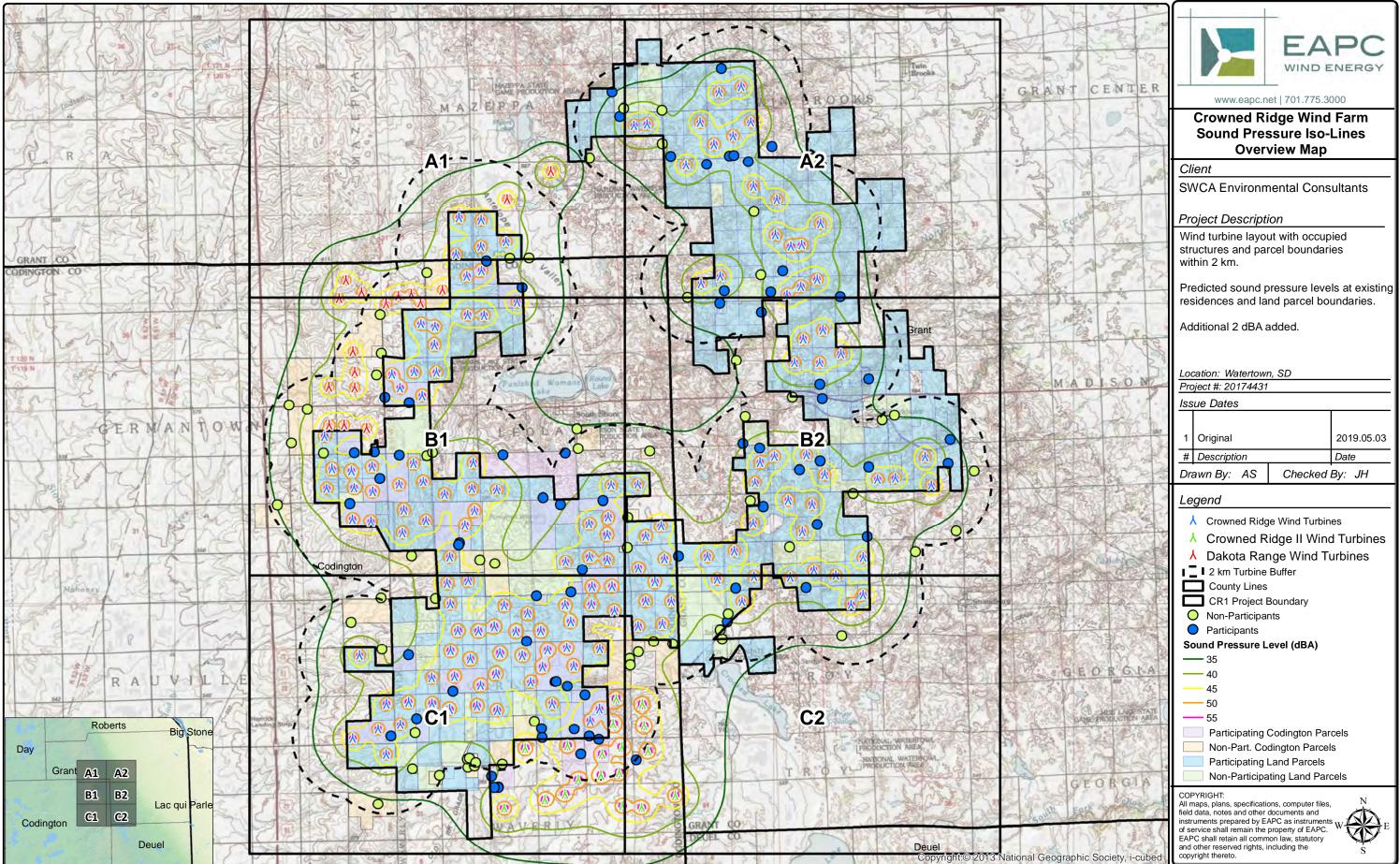
 ii) An explanation as to why the sound pressure contours in Appendix D of the Sound Study do not appear to factor in the noise levels of the Dakota Range I & II wind turbines; and

**Response:** The sound pressure contours in Appendix D submitted with the Application only showed the effects of the proposed Crowned Ridge Wind project, as it focused on the effect from the proposed project. The results tables in the Sounds Study, however, did include the effects of all Dakota Range I and II and Crowned Ridge Wind II wind turbines.

 iii) Provide updated Standard Resolution Sound Maps as found in Appendix D of the Sound Study that includes on the map the Dakota Range I & II wind turbines that influence sound levels for receptors studied in the Crowned Ridge Project.

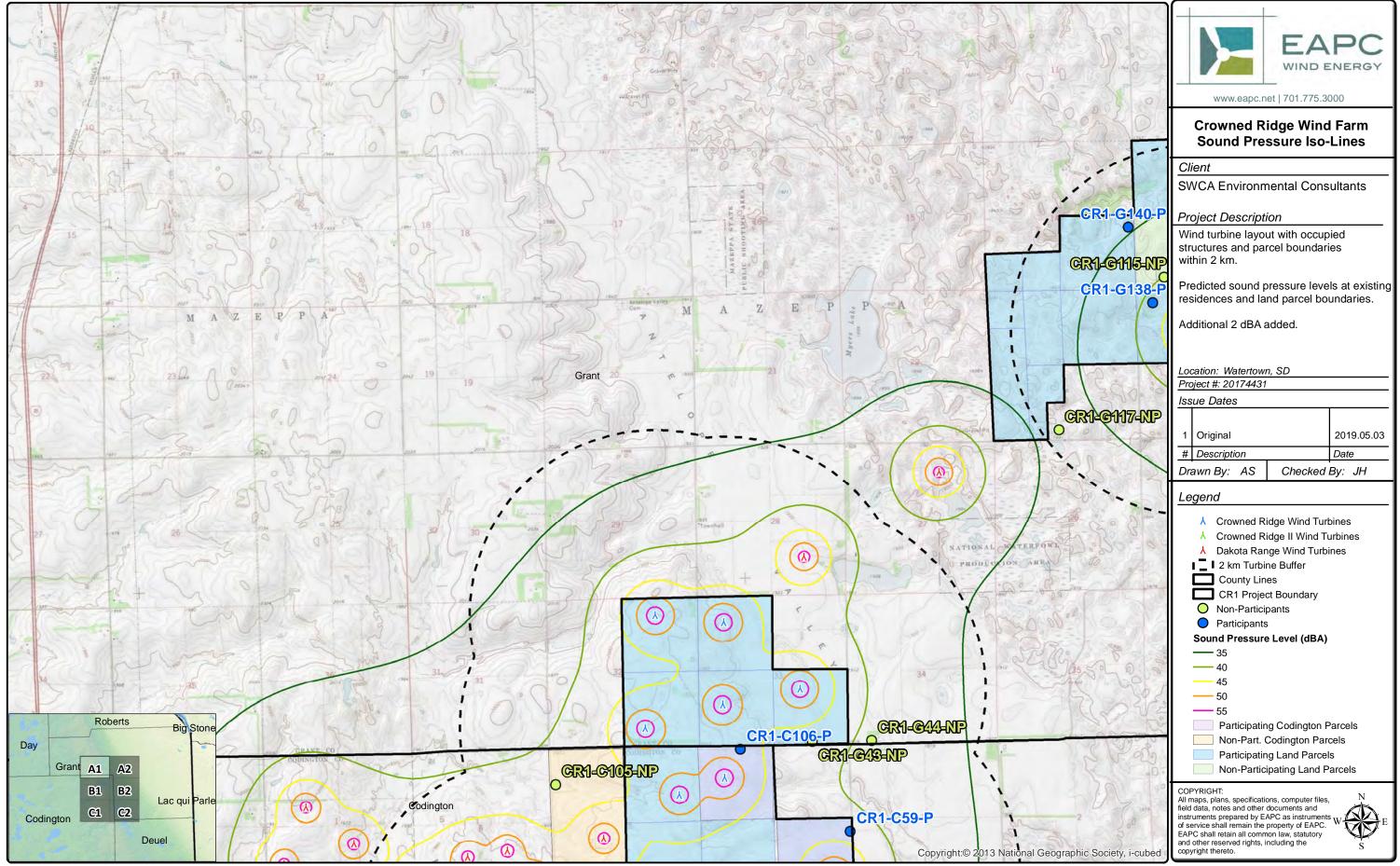
**Response:** Attached are updated maps that include rge iso-lines for both Dakota Range Wind I and II and Crowned Ridge Wind II turbines within 2 kilometers of Crowned Ridge Wind receptors.

Respondent: Jay Haley, Wind Engineer

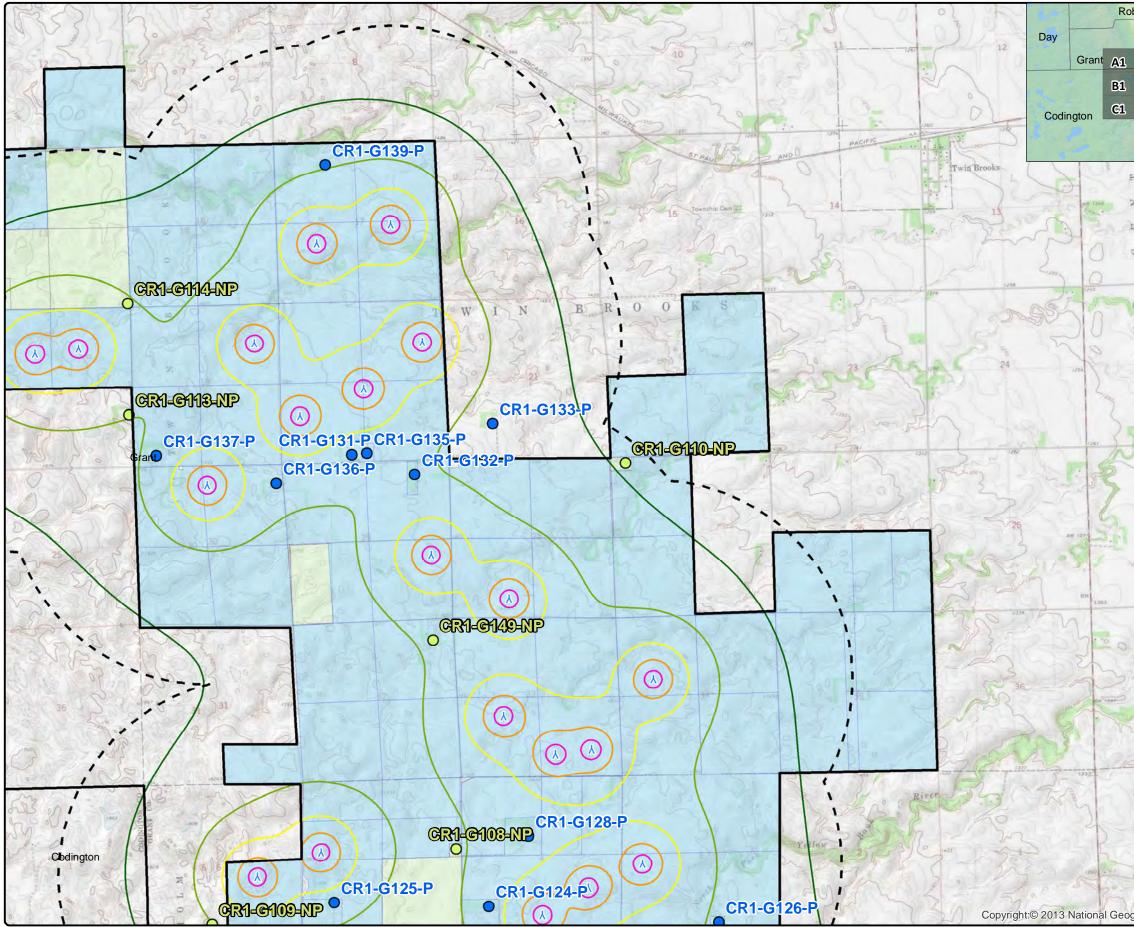


0 0.75 1.5 3 Mile

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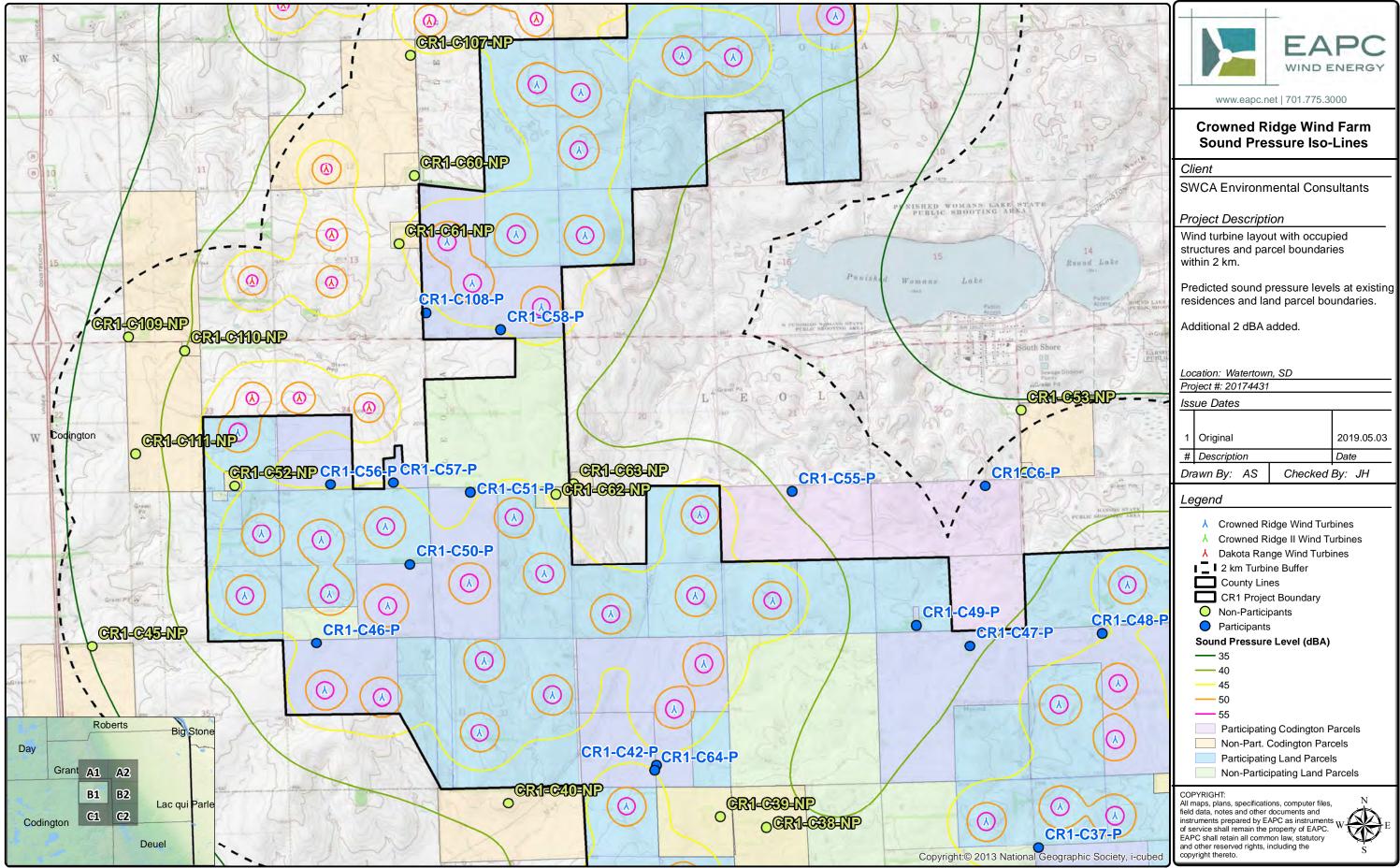


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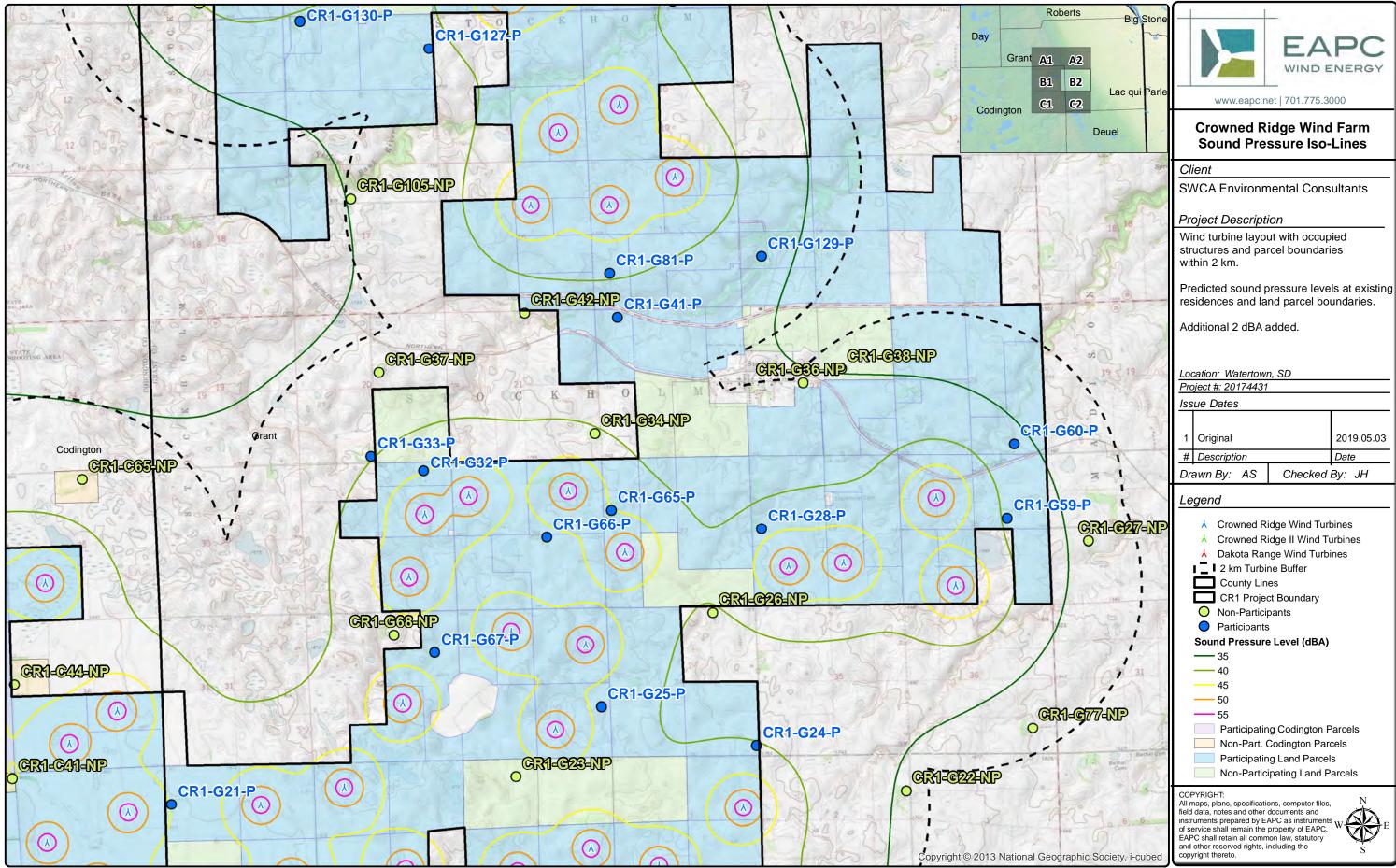


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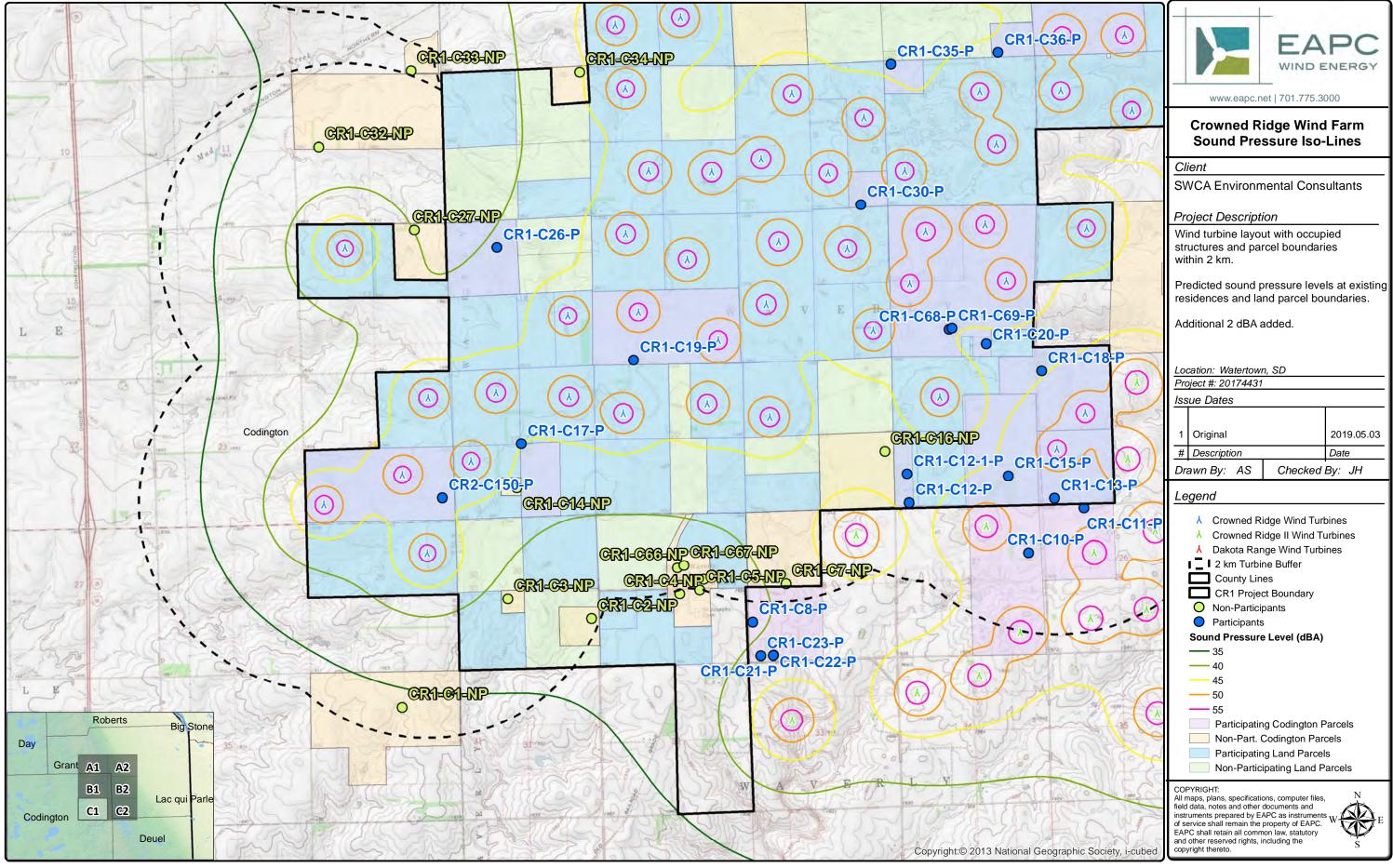
berts Big Stone		
A2 B2 C2		
Deuel	Crowned Ridge Wind Farm Sound Pressure Iso-Lines	
·	Client	
18 18 10	SWCA Environmental Consultants	
ab a b		
	Project Description Wind turbine layout with occupied	
124)	structures and parcel boundaries within 2 km.	
5 275	Predicted sound pressure levels at existing residences and land parcel boundaries.	
Z 19 <sup>19</sup>	Additional 2 dBA added.	
2		
0 0	Location: Watertown, SD Project #: 20174431	
	Issue Dates	
2 142 D 100		
	1 Original	2019.05.03
1	# Description	Date
of a	Drawn By: AS Checked By: JH	
30 1240	Legend	
-180-	K Crowned Ridge Wind Turbines	
	Crowned Ridge II Wind Turbines	
1250	<ul> <li>Dakota Range Wind Turbines</li> <li>2 km Turbine Buffer</li> </ul>	
< - · ·	County Lines	
Con h	CR1 Project Boundary	
	<ul> <li>Participants</li> <li>Participants</li> </ul>	
31 31 1249	Sound Pressure Level (dBA)	
2 7 10 2		
615	40 45	
Sant	<u> </u>	
2		
1 YA	Participating Codington Parcels Non-Part. Codington Parcels	
Robert 1	Participating Land Parcels	
22 310	Non-Participating Land Parcels	
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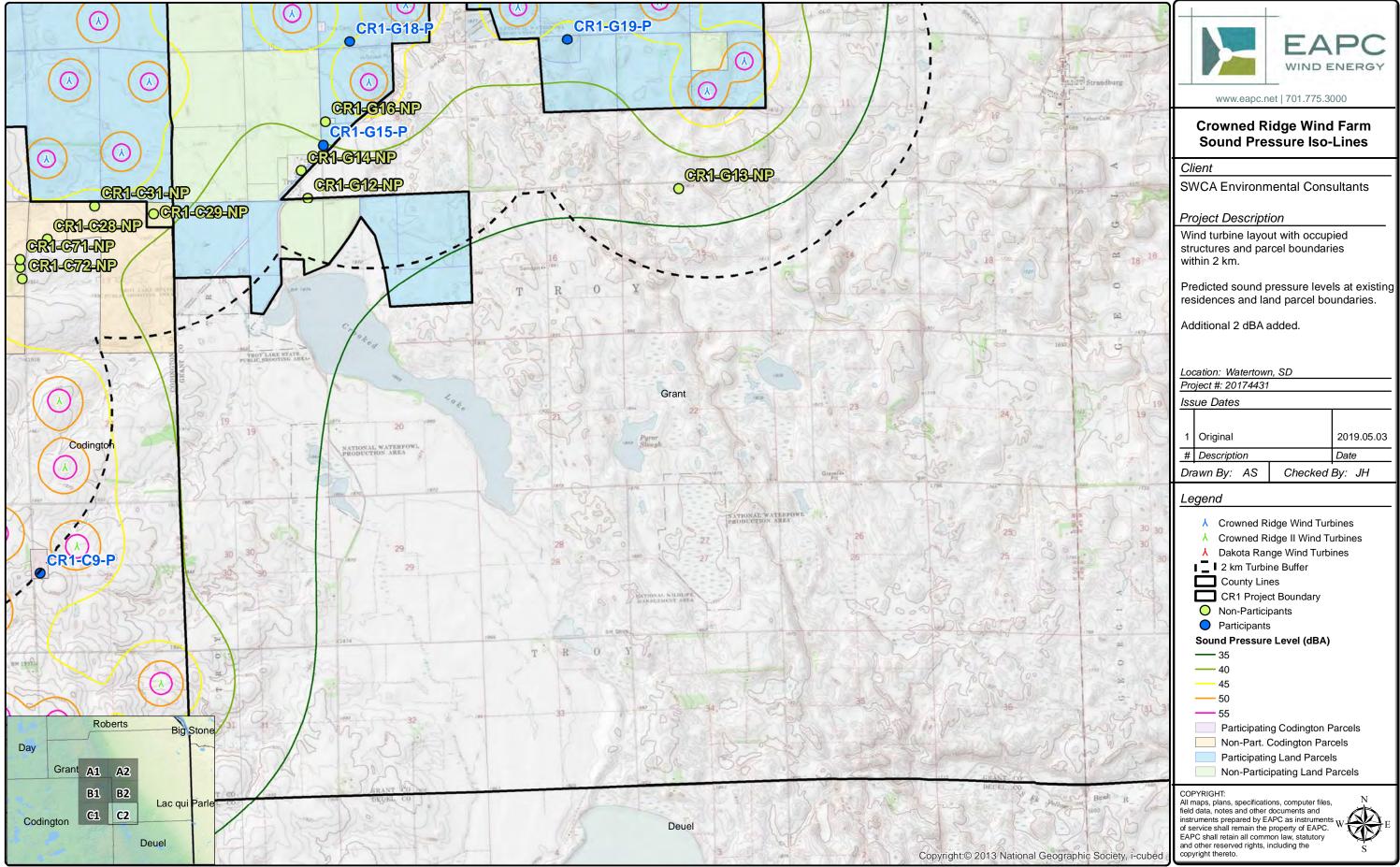
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