

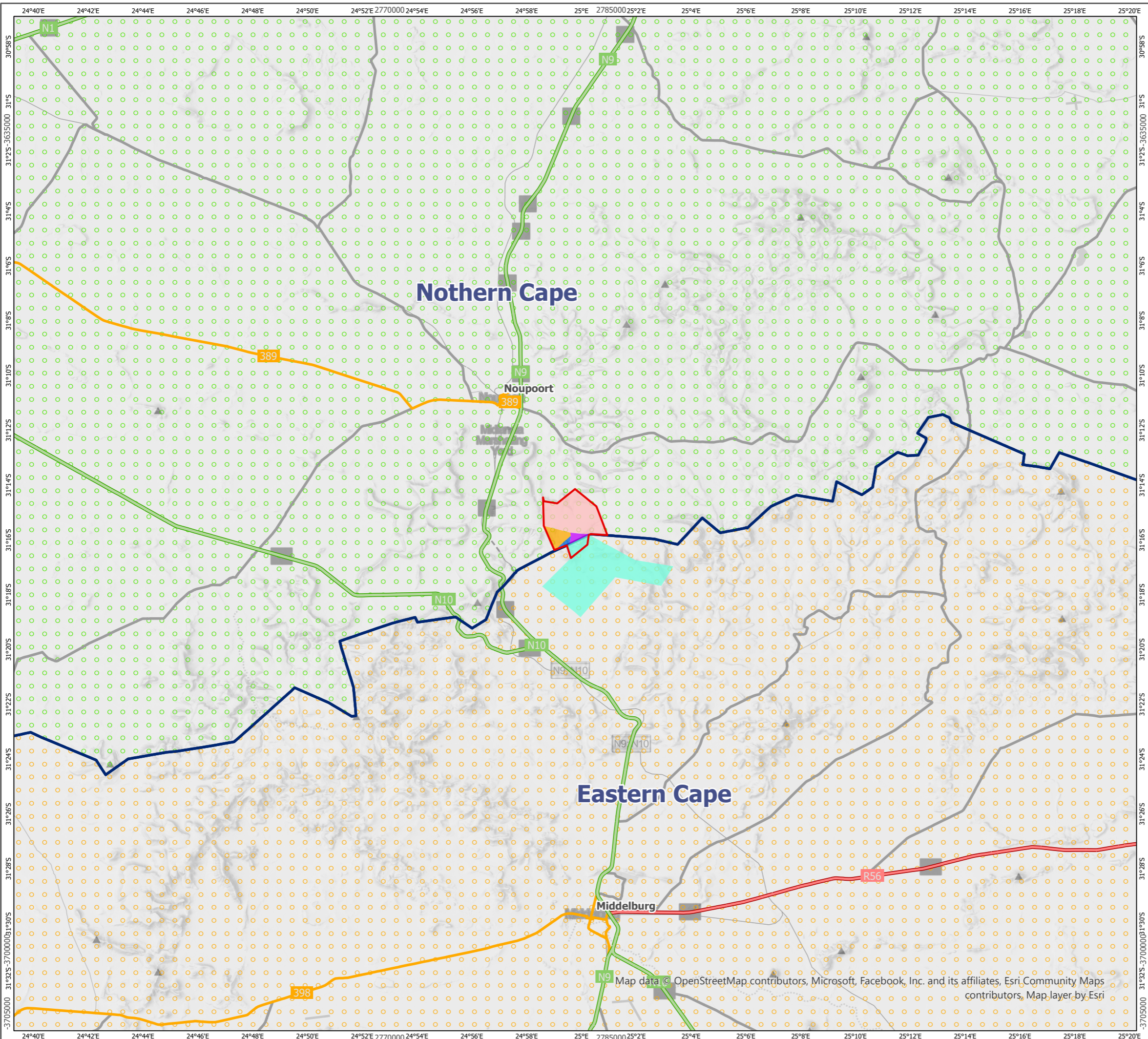
## **APPENDIX A: EMPR FIGURES**

**Figure 1: Site Locality Map**

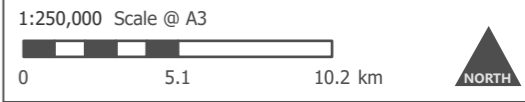
**Figure 2: Final Site Layout Map**

**Figure 3: Final Site Layout overlain on the Environmental Sensitivity Map**

**Figure 4: Cumulative Map**



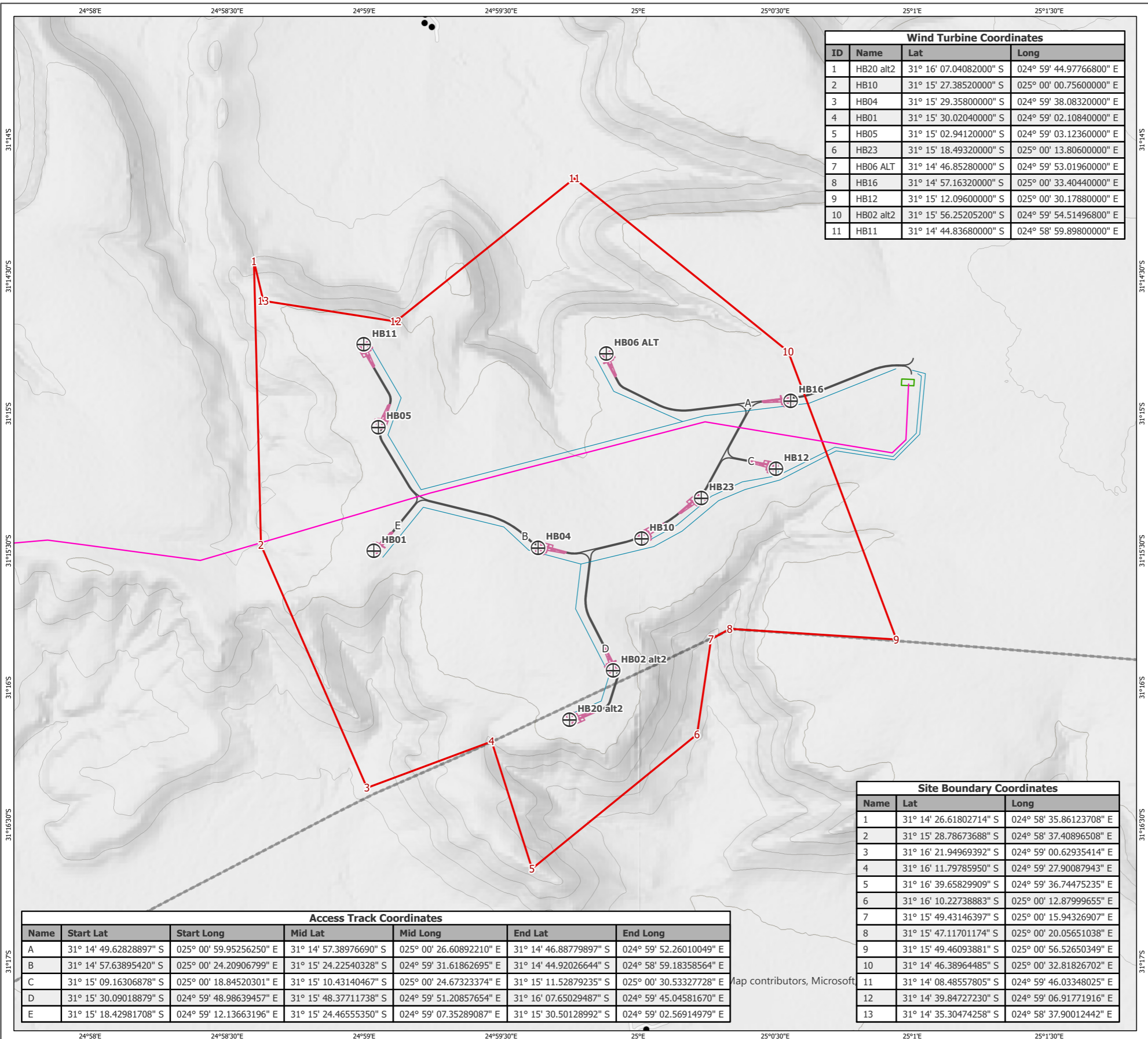
- Site Boundary
- Provinces
- Districts
- Chris Hani
- Pixley ka Seme
- Hartebeesthoek West Farm boundaries
- 2 - Gillroy Trust
- 47/182 - Umsobomvu Municipality
- Portion 1 of the Farm No. 13
- Portion 1 of the Farm Twee Fontein No. 11
- Remainder of the Farm No. 13
- Public Roads
- National Road
- Arterial Road
- Main Road
- Secondary Road



Produced By: SC	Ref: 3329-GIS-059
Checked By: AA	Date: 1/23/2023

**Site Location**  
Figure 1

**Hartebeeshoek West WEF**  
Final EMPr



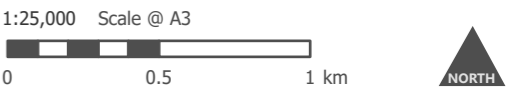
Wind Turbine Coordinates			
ID	Name	Lat	Long
1	HB20 alt2	31° 16' 07.04082000" S	024° 59' 44.97766800" E
2	HB10	31° 15' 27.38520000" S	025° 00' 00.75600000" E
3	HB04	31° 15' 29.35800000" S	024° 59' 38.08320000" E
4	HB01	31° 15' 30.02040000" S	024° 59' 02.10840000" E
5	HB05	31° 15' 02.94120000" S	024° 59' 03.12360000" E
6	HB23	31° 15' 18.49320000" S	025° 00' 13.80600000" E
7	HB06 ALT	31° 14' 46.85280000" S	024° 59' 53.01960000" E
8	HB16	31° 14' 57.16320000" S	025° 00' 33.40440000" E
9	HB12	31° 15' 12.09600000" S	025° 00' 30.17880000" E
10	HB02 alt2	31° 15' 56.25205200" S	024° 59' 54.51496800" E
11	HB11	31° 14' 44.83680000" S	024° 58' 59.89800000" E

Site Boundary Coordinates		
Name	Lat	Long
1	31° 14' 26.61802714" S	024° 58' 35.86123708" E
2	31° 15' 28.78673688" S	024° 58' 37.40896508" E
3	31° 16' 21.94969392" S	024° 59' 00.62935414" E
4	31° 16' 11.79785950" S	024° 59' 27.90087943" E
5	31° 16' 39.65829909" S	024° 59' 36.74475235" E
6	31° 16' 10.22738883" S	025° 00' 12.87999655" E
7	31° 15' 49.43146397" S	025° 00' 15.94326907" E
8	31° 15' 47.11701174" S	025° 00' 20.05651038" E
9	31° 15' 49.46093881" S	025° 00' 56.52650349" E
10	31° 14' 46.38964485" S	025° 00' 32.81826702" E
11	31° 14' 08.48557805" S	024° 59' 46.03348025" E
12	31° 14' 39.84727230" S	024° 59' 06.91771916" E
13	31° 14' 35.30474258" S	024° 58' 37.90012442" E

Access Track Coordinates						
Name	Start Lat	Start Long	Mid Lat	Mid Long	End Lat	End Long
A	31° 14' 49.62828897" S	025° 00' 59.95256250" E	31° 14' 57.38976690" S	025° 00' 26.60892210" E	31° 14' 46.88779897" S	024° 59' 52.26010049" E
B	31° 14' 57.63895420" S	025° 00' 24.20906799" E	31° 15' 24.22540328" S	024° 59' 31.61862695" E	31° 14' 44.92026644" S	024° 58' 59.18358564" E
C	31° 15' 09.16306878" S	025° 00' 18.84520301" E	31° 15' 10.43140467" S	025° 00' 24.67323374" E	31° 15' 11.52879235" S	025° 00' 30.53327728" E
D	31° 15' 30.09018879" S	024° 59' 48.98639457" E	31° 15' 48.37711738" S	024° 59' 51.20857654" E	31° 16' 07.65029487" S	024° 59' 45.04581670" E
E	31° 15' 18.42981708" S	024° 59' 12.13663196" E	31° 15' 24.46555350" S	024° 59' 07.35289087" E	31° 15' 30.50128992" S	024° 59' 02.56914979" E



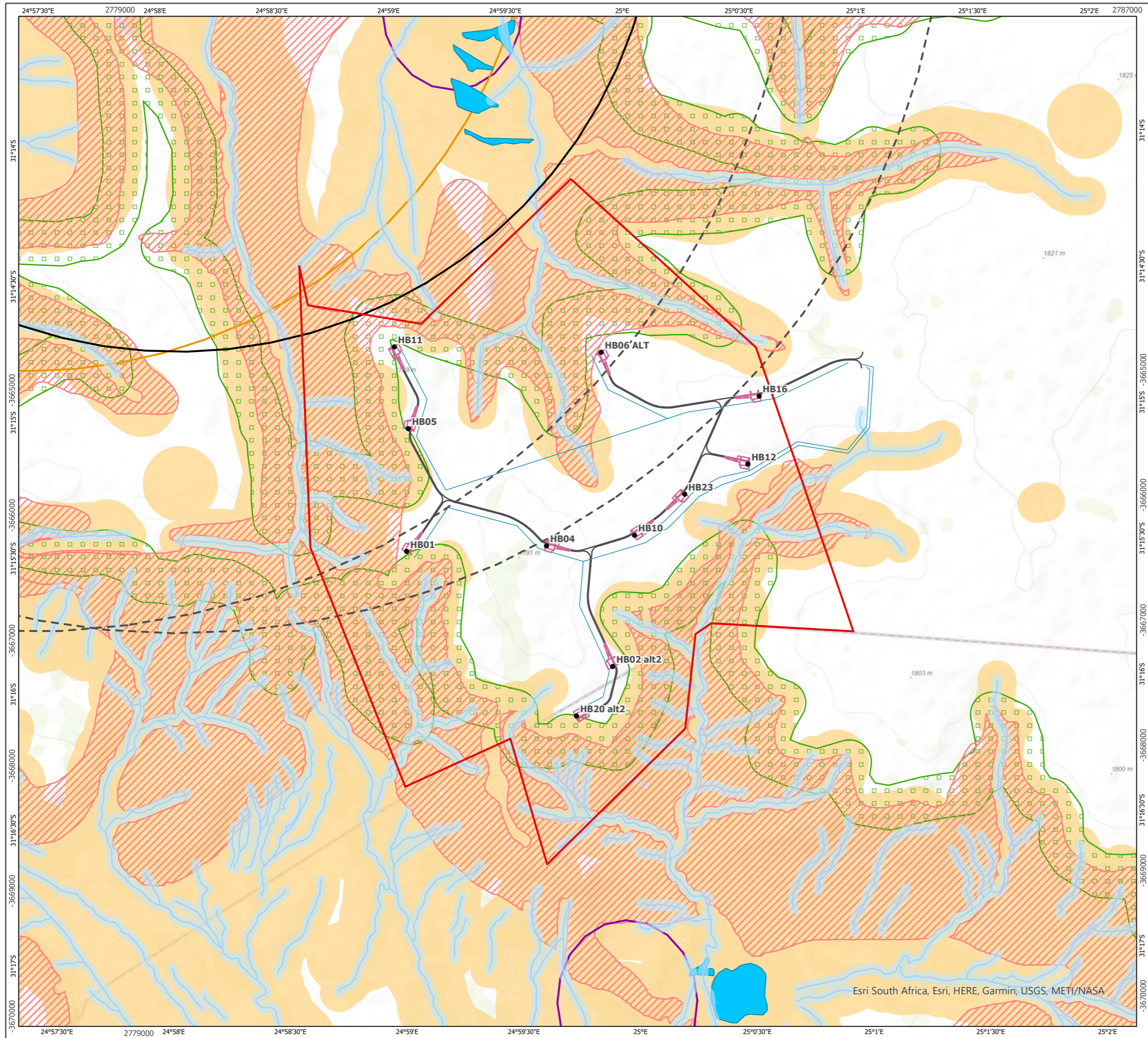
- Site Boundary
- ⊕ Proposed Turbine Location
- Access Track
- Cable Route
- Crane Hardstanding
- House
- 132 kV Grid Infrastructure
- Kenzo SWS
- Mlotha - Kenzo 132kV RevB
- HBH West Track Coordinates



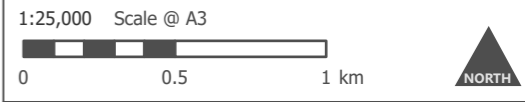
Produced By: SC      Ref: 3329-GIS-060  
 Checked By: AA      Date: 1/23/2023

**Final Site Layout**  
Figure 2

**Hartebeeshoek West WEF**  
Final EMPr



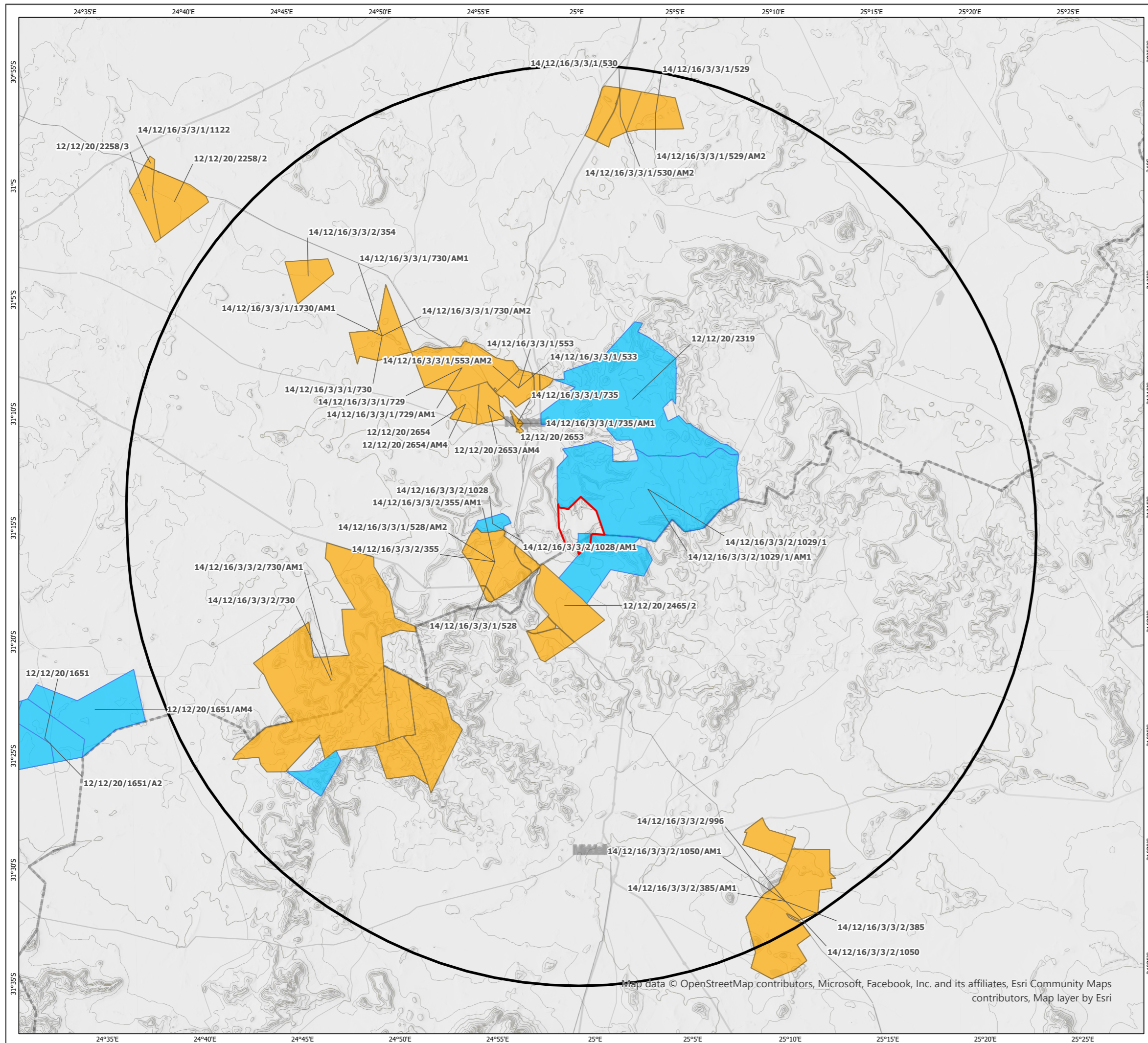
- Site Boundary
- Proposed Turbine Location
- Access Track
- Cable Route
- Crane Hardstanding
- No-Go Areas (Very High Sensitivity)**
- VE Nest Site
- Cultural Heritage No-Go Area
- Watercourse 32m buffer
- No turbines but other infrastructure permitted**
- Water Courses
- Waterbodies and wetlands
- Dams
- Hartebeesthoek Geology
- 3.4 km buffer of VE Nest Site
- 500m Noise Buffers
- Ecology High Sensitivity Areas
- Avifaunal Sensitivity
- Bat no go areas for Turbines
- Avifaunal Buffers**
- 3.2 km buffer of VE Nest - construction subject to proactive mitigation
- Medium Sensitivity of Birds - 5.2 km operational phase buffer (for pro-active mitigation)



Produced By: SC	Ref: 3329-GIS-061
Checked By: AA	Date: 1/23/2023

**Final Layout overlay on Environmental Sensitivity Map**  
Figure 3

**Hartebeeshoek West WEF Final EMP**



- Site Boundary
- 35 km buffer of Site Boundary
- Cumulative Developments
- Technology
- Solar PV
- Onshore Wind

1:300,000 Scale @ A3



Produced By: SC Ref: 3329-GIS-062

Checked By: AA Date: 1/23/2023

**Cumulative Map**  
Figure 4

**Hartebeeshoek West WEF**  
Final EMPr

Map data © OpenStreetMap contributors, Microsoft, Facebook, Inc. and its affiliates, Esri Community Maps contributors, Map layer by Esri