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13 April 2021

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NAMAS WIND ENERGY FACILITY GRID CONNECTION AMENDMENTS: HERITAGE CONSIDERATIONS

Dear Jo-Anne

Thank you for providing the information regarding the proposed amendments to the already authorised grid connection for the Namas Wind Energy Facility located south east of Kleinsee, Northern Cape. I note that the developer has requested that the following amendments be applied for:

- 1. Amendment of the co-ordinates of the substation/switching station position to be in line with the amended Facility EA.
- 2. Amendment of the corridor width from the authorised 300m to 600m (to be 300m east and west of the 400 kV line) to give more flexibility in terms of the placement of the powerline relative to the 400k line.
- 3. The corridor/envelope around Gromis MTS to be expanded to allow entry to the 132 kV yard from the north and provide more flexibility in terms of entry into the Substation.

The original heritage impact assessment (HIA) for the project was as follows:

Orton, J. 2019. Heritage Impact Assessment: proposed grid connection infrastructure for the Namas Wind Farm near Kleinsee, Namakwaland Magisterial District, Northern Cape. Unpublished report prepared for Savannah Environmental (Pty) Ltd. Lakeside: ASHA Consulting (Pty) Ltd.

Information contained in this letter was also drawn from the following reports:

Orton, J. 2019. Heritage Impact Assessment: proposed Namas Wind Farm near Kleinsee, Namakwaland MagisteriaL District, Northern Cape. Unpublished report prepared for Savannah Environmental (Pty) Ltd. Lakeside: ASHA Consulting (Pty) Ltd.

Orton, J. 2019. Heritage Impact Assessment: proposed Zonnequa Wind Farm near Kleinsee, Namakwaland MagisteriaL District, Northern Cape. Unpublished report prepared for Savannah Environmental (Pty) Ltd. Lakeside: ASHA Consulting (Pty) Ltd.

Affected heritage and comparative assessment of impacts

The original survey could not examine the entire length of the corridor due to no access being possible to a section of the line. Nevertheless, the most important area (the northern third where many open deflation hollows lie) was covered in reasonable detail. Many heritage sites were recorded. Table 1 presents a list of those falling within the newly proposed Namas corridor and they are mapped in Figures 1 to 5. Because the corridor is wider, there are now more sites included within it. However, it is important to note that the nature of the sites and their general cultural significance is no different. Although more archaeological sites are now included, the probability of impacts will remain the same because the actual footprint required for construction will not change and its final location within the now 600 m wide corridor still remains unknown. The impact assessment for archaeology thus remains identical to that originally predicted (medium negative before mitigation and low negative after mitigation). The assessments for all other aspects of heritage (i.e. palaeontology, graves and the cultural landscape) are not affected in any way by the proposed corridor change. All recommendations in the original HIA must thus also remain identical.

043	ZN2018/007	S29 50 17.1	Ephemeral artefact scatter located just to the east	Low	Namas
		E17 13 26.4	of the sandy summit of a hill. Just 6 quartz		
			artefacts.		
044A	ZN2018/008	S29 50 18.5	Light artefact scatter spread over a sandy hilltop. It	Low-	Namas
		E17 13 30.9	has quartz (60+ seen) and CCS (15 seen including a	medium	
044B		S29 50 19.3	backed scraper) artefacts. A & B are end points of	4 hours	
		E17 13 30.8	the elongated scatter.		
046	ZN2018/010	S29 50 07.1	Light scatter of ostrich eggshell (9 pieces seen) that	Very low	Namas
		E17 14 03.1	includes a cone flake showing that an egg was		
			broken open from the outside.		
057		S29 48 57.5	A shallow borrow pit revealing background scatter	Very low	057
		E17 15 16.9	quartz (9 seen) and CCS (2 seen) artefacts		
			associated with the dorbank. Also some ostrich		
			eggshell.		
059		S29 36 07.2	Background scatter located in an area of exposed	Low	power line
		E17 10 58.2	hardpan off which the sand has been removed. The		
			artefacts are of quartz, quartzite, and silcrete and		
			there are many quartzite cobbles. There are some		
			clear hammer stones and one upper grindstone		
			that still bears a 'greasy stain' is presumed to be		
			LSA. The majority of the material is likely MSA or		
			ESA and a single ESA handaxe made from quartzite		
			was seen.		
060	DKG2018/001	S29 36 25.4	Ephemeral scatter of C. granatina shell and one	Low	power line
		E17 11 06.8	piece of ostrich eggshell.		
061		S29 36 37.9	Widespread background scatter of quartz artefacts	Very low	power line
		E17 11 16.1	in an area where there are bedrock patches		
			exposed on the north bank of the Buffels River.		
062		S29 36 53.8	Widespread background scatter of quartz artefacts	Very low	power line
		E17 11 30.1	in an area where there are bedrock patches		
			exposed on the south bank of the Buffels River.		
063		S29 36 58.9	Widespread background scatter of quartz artefacts	Very low	power line
		E17 11 31.1	on red sand with many larger grains. This		
063B		S29 37 09.3	phenomenon is very widespread and the four		
		E17 11 37.7	recorded points cover most of the north-south		
063C		S29 37 22.1	range.		
		E17 11 47.4			

Table 1: List of heritage sites within the new Namas grid corridor.

063D		S29 37 40.9			ſ
063D		E17 11 59.5			
064	MV2018/001	S29 37 16.1	Ephemeral shell scatter of <i>C. granatina</i> and <i>S.</i>	Low	power line
		E17 11 42.1	<i>granularis</i> with some ostrich eggshell. Due to the quartz background scatter it is hard to know if there are stone artefacts directly associated with		
065	MV2018/002	S29 37 25.0	the shell or not. Ephemeral scatter of <i>C. granatina</i> and <i>S. granularis</i>	Low	power line
		E17 11 48.2	located on a slight rise. Due to the quartz background scatter it is hard to know if there are stone artefacts directly associated with the shell or not.		po non mie
066	MV2018/003	S29 37 54.7 E17 12 09.5	An outcrop of quartz that has been hammered and flaked.	Low	power line
067	MV2018/004	S29 38 02.9 E17 12 14.8	An outcrop of quartz that has been hammered and flaked. It includes one loose boulder which has been rolled around and flaked on various sides like a large irregular core.	Low	power line
068	MV2018/005	S29 38 15.8 E17 12 25.4	A light scatter of informal quartz artefacts located in the southern end of a deflation hollow. It also has ostrich eggshell fragments, a quartzite upper	Low 2 hours (Patch A	power line
068B		S29 38 13.8 E17 12 26.3	grindstone and a quartzite cobble. Patch B is a group of artefacts and quartz pieces on an exposed area of hardpan in the northern end of the same deflation hollow. They are very weathered and only some are artefacts.	only)	
075	MV2018/012	S29 39 25.8 E17 12 53.9	An ephemeral scatter of informal quartz artefacts located in a small deflation. There were only about 10 quartz artefacts along with one in CCS and one ostrich eggshell fragment.	Low	power line
076	MV2018/013	S29 39 32.2 E17 13 03.9	A widespread but light scatter of informal quartz artefacts located in the southern end of a deflation hollow. The scatter extends up the sandy slope at the southern end of the deflation which suggest it to be very recent. There is also a lower grindstone (found right way up) in the western part of the deflation hollow.	Low 2 hours	power line
077A	MV2018/014	S29 39 39.9 E17 12 59.8	Patch A: A small, light scatter of informal quartz artefacts located in the northern end of a large deflation hollow. There are only about 30 artefacts	Low	power line
077B		S29 39 41.0 E17 12 59.9	visible. Patch B: A second similar scatter but with only about 10 artefacts visible but these are all quite large and there is some accumulated sand at this point. Smaller artefacts may thus be buried.		
078	MV2018/015	S29 39 47.7 E17 13 00.2	A light scatter of ostrich eggshell fragments and some informal quartz artefacts in the northern end of a deflation hollow.	Low	power line
079	MV2018/016	S29 40 02.0 E17 13 09.6	A light scatter of informal quartz artefacts throughout a small deflation hollow. The scatter is most dense in the centre of the deflation hollow. Also 2 CCS flakes, a quartzite manuport and a quartzite probable grindstone fragment.	Low 2 hours	power line
081	MV2018/018	S29 40 09.2 E17 13 00.0	A small deflation hollow with only one quartz artefact, two CCS artefacts and one pot rim (plain rounded rim).	Very low	power line
084	MV2018/021	S29 39 58.8 E17 12 52.0	A scatter of ostrich eggshell in the southern end of a large deflation hollow. There are also some quartz and CCS artefacts as well as a quartzite hammer stone/upper grindstone fragment. There was also a fragment of lead and a single ostrich	Low	power line

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			eggshell fragment in the northern end of the same deflation hollow.		
085	MV2018/022	S29 39 49.9	An ephemeral scatter of informal quartz artefacts	Low	power line
		E17 12 55.3	in a deflation hollow.		
086	MV2018/023	S29 39 43.5	An ephemeral scatter of informal quartz artefacts	Low	power line
		E17 12 55.2	in a large deflation hollow.		
087	MV2018/024	S29 39 31.6	A light scatter of quartz artefacts in a tiny deflation	Low	power line
		E17 12 56.5	hollow. The quartz looks generally better quality	2 hours	
			and is not yellowed from exposure to the red sand.		
			Unlike the other sites in this area, all pieces appear		
			to be flaked artefacts. There is a large quartz		
			cobble core.		
088	MV2018/025	S29 38 25.3	A slight concentration of small LSA quartz artefacts	Very low	power line
		E17 12 22.4	among the general background scatter of older		
			artefacts.		
089	MV2018/026	S29 38 24.5	A moderate density scatter of informal quartz	Low	power line
		E17 12 18.7	artefacts in a deflation hollow. Also some flaked	4 hours	
			artefacts in quartzite, CCS and 'other'. There are		
			two cobbles with light evidence of grinding and		
	1		anvil use. The quartz artefacts look quite fresh but		
			the usual selection of manuports and unmodified		
	1		quartz fragments shows affinity with the informal		
			quartz assemblages.		
090	MV2018/027	S29 38 26.2	A light scatter of informal quartz artefacts in a	Low	power line
		E17 12 17.4	deflation hollow. Also some CCS and a small quartz	2 hours	
			pebble hammer stone.		
091	MV2018/028	S29 38 27.4	A dense scatter of informal quartz artefacts in a	Medium	power line
		E17 12 16.2	deflation hollow. There are also some CCS flakes, a	8 hours	
			CCS scraper fragment, a few quartzite hammer		
			stones, a quartzite hammer stone/upper		
			grindstone, and some glass. There are many ostrich		
			eggshell fragments in the southern part of the		
			deflation hollow.		
092	MV2018/029	S29 38 28.5	An ephemeral scatter of informal quartz artefacts	Low	power line
		E17 12 13.2	in a shallow deflation hollow.		
093A	MV2018/030	S29 38 21.1	Patch A: An ephemeral scatter of informal quartz	Medium	power line
		E17 12 19.9	artefacts in the southern end of a large deflation	8 hours	
093B		S29 38 19.9	hollow. Also a quartzite hammer stone fragment.		
		E17 12 20.1	Patch B: A small patch of light scatter in the		
093C		S29 38 20.3	western side of the same deflation hollow. Also has		
		E17 12 21.1	a quartzite hammer stone and a small 'other'		
093D					
		S29 38 19.2	pebble.		
		-	Patch C: An extensive but light scatter of informal		
		S29 38 19.2	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same		
		S29 38 19.2 E17 12 20.7	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports		
	_	S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same		
093E		S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports		
		S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the		
		S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two		
		S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer		
		S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two		
		S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer		
		S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer stone/upper grindstone and a large quartz core		
		S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer stone/upper grindstone and a large quartz core made on a block of quartz.		
		S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer stone/upper grindstone and a large quartz core made on a block of quartz. Patch E: A light scatter of informal quartz artefacts		
093E	MV2018/031	S29 38 19.2 E17 12 20.7 S29 38 19.9	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer stone/upper grindstone and a large quartz core made on a block of quartz. Patch E: A light scatter of informal quartz artefacts in the central part of the same deflation hollow.	Low	power line
093E	MV2018/031	S29 38 19.2 E17 12 20.7 S29 38 19.9 E17 12 20.6	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer stone/upper grindstone and a large quartz core made on a block of quartz. Patch E: A light scatter of informal quartz artefacts in the central part of the same deflation hollow. There are no other associated finds here.	Low	power line
	-	S29 38 19.2 E17 12 20.7 S29 38 19.9 E17 12 20.6	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer stone/upper grindstone and a large quartz core made on a block of quartz. Patch E: A light scatter of informal quartz artefacts in the central part of the same deflation hollow. There are no other associated finds here. An ephemeral scatter of informal quartz artefacts in a small deflation hollow.	Low	power line
093E 094	MV2018/031 MV2018/032	S29 38 19.2 E17 12 20.7 S29 38 19.9 E17 12 20.6 E17 12 20.6 S29 38 19.3 E17 12 22.3 S29 38 17.4	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer stone/upper grindstone and a large quartz core made on a block of quartz. Patch E: A light scatter of informal quartz artefacts in the central part of the same deflation hollow. There are no other associated finds here. An ephemeral scatter of informal quartz artefacts		-
093E 094	-	S29 38 19.2 E17 12 20.7 S29 38 19.9 E17 12 20.6 E17 12 20.6 S29 38 19.3 E17 12 22.3	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer stone/upper grindstone and a large quartz core made on a block of quartz. Patch E: A light scatter of informal quartz artefacts in the central part of the same deflation hollow. There are no other associated finds here. An ephemeral scatter of informal quartz artefacts in a small deflation hollow. An ephemeral scatter of informal quartz artefacts in a shallow deflation hollow. There are also		-
093E 094	-	S29 38 19.2 E17 12 20.7 S29 38 19.9 E17 12 20.6 E17 12 20.6 S29 38 19.3 E17 12 22.3 S29 38 17.4	Patch C: An extensive but light scatter of informal quartz artefacts in the eastern side of the same deflation hollow. There are also several manuports and a quartzite hammer stone/upper grindstone. Patch D: A small but moderate density scatter of informal quartz artefacts in the northern end of the same deflation hollow. There are also two quartzite hammer stones, a quartzite hammer stone/upper grindstone and a large quartz core made on a block of quartz. Patch E: A light scatter of informal quartz artefacts in the central part of the same deflation hollow. There are no other associated finds here. An ephemeral scatter of informal quartz artefacts in a small deflation hollow.		-

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			the slope overlooking the Buffels River to the		
			north. Due to the quartz background scatter it is		
			hard to know if there are stone artefacts directly		
			associated with the shell or not.		
097	MV2018/034	S29 37 18.2	A light but quite large scatter of <i>C. granatina</i> and <i>S.</i>	Low-	power line
		E17 11 42.4	granularis on the slope overlooking the Buffels	medium	
			River to the north. Due to the quartz background	4 hours	
			scatter it is hard to know if there are stone artefacts directly associated with the shell or not.		
			There is also some pottery (9 sherds seen including 1 rim), a CCS flake and quartzite upper grindstone.		
098	MV2018/035	S29 37 17.5	A light scatter of <i>C. granatina</i> and <i>S. granularis</i> with	Low-	power line
050	11172010/035	E17 11 42.0	some ostrich eggshell fragments on the slope	medium	power line
		217 11 12:0	overlooking the Buffels River to the north. Due to	2 hours	
			the quartz background scatter, it is hard to know if		
			there are stone artefacts directly associated with		
			the shell or not. There are also two quartzite		
			hammer stones.		
099	DKG2018/002	S29 36 48.5	An ephemeral scatter of quartz artefacts with one	Low	power line
		E17 11 21.2	piece of S. granularis and one of C. granatina on		
			the slope overlooking the Buffels River to the		
			south.		
100		S29 36 27.4	An area of exposed hardpan with many quartz	Very low.	power line
		E17 11 05.6	artefacts exposed. Also a few in silcrete and		
			quartzite.	N/ 1	
102	ZK2018/002	S29 47 05.5	A fairly wide scatter of ostrich eggshell fragments	Very low	Zonnequa
		E17 14 15.6	on the eastern slope of the large dune cordon.		
			There was also one quartz flake showing human		
103	ZK2018/003	S29 46 50.5	presence. An ostrich eggshell flask cache with two flasks	Low-	Zonnequa &
105	2K2010/005	529 40 50.5 E17 14 50.4	located immediately north of the summit of a low	medium	power line
		117 14 30.4	hill. One egg is whole and the other broken. Only	1 hour	powernine
			one mouth fragment was seen but overall there is	111001	
			well less eggshell than would be needed for a		
			whole shell so there must have not been more than		
			two shells. The whole shell's mouth is 14 x 18 mm		
			and is quite irregular. The mouth fragment is		
			similarly irregular.		
110	ZK2018/009	S29 46 04.4	A light artefact scatter in a deflated area on a sandy	Low-	power line
		E17 14 36.9	hilltop on the eastern edge of the large dune	medium	
			cordon overlooking the plains below. It has quartz	2 hours	
			(50+ seen) and CCS (1 notched flake seen) artefacts		
			as well as a quartzite hammer stone/anvil/irregular		
			core, ostrich eggshell fragments (10+ seen), some		
			burnt bones fragments, a rim potsherd, fragments		
			of a leather shoe, two modern clear glass bottles		
			(one of them broken). The pot rim had either a		
			flared or a vertical orientation and its form was tapered. The sherd was very thin. A second		
			deflation hollow just to the east had an ephemeral		
			scatter of quartz and quartzite with one		
			<i>S. argenvillei</i> fragment and a piece of green glass.		
112	ZK2018/011	S29 45 37.1	A light scatter of ostrich eggshell fragments (11	Very low	power line
	2112010/011		seen) on a sandy hilltop. Although no artefacts		poner me
112		F1/14/X5			
112		E17 14 28.5			
112		S29 45 12.7	were seen the scatter must be anthropogenic. A patch of background scatter artefacts associated	Very low	Zonnequa

Advantages and disadvantages of the amendments

There are no particular advantages or disadvantages of the amended corridor. Although more sites are included within it, as noted above the probability of impacts remains the same.

Avoidance, management and mitigation measures

As already noted, the recommendations must remain the same. Key among them will be a pre-construction survey which will serve to determine what impacts will actually occur through construction along the final alignment. Measures will then be recommended. Because no sites requiring avoidance due to high cultural significance are known (and none are likely to occur in this area) it is likely that the recommendations of this survey will be that certain sites need to be sampled/excavated to retrieve archaeological materials and data prior to construction.

EMPr changes

No changes to the EMPr are required from a heritage point of view. All existing conditions and requirements must continue to apply.

Conclusion

This re-examination of the Namas grid connection shows that the proposed amendments will not result in any new or unexpected impacts to heritage resources. There will be no change in significance ratings and all probability ratings will remain the same. No changes to the recommendations or EMPr are required. For convenience, the recommendations contained in the original report are repeated here in full:

Because impacts are not of high significance and can easily be managed, it is recommended that the proposed wind farm, power line and associated infrastructure should be authorised but subject to the following conditions which should be included in the conditions of authorisation:

- An archaeologist should be appointed to conduct a final pre-construction survey of the approved layout at least 6 months prior to commencement of construction. This includes both the wind farm and the power line;
- A chance finds procedure must be implemented for the rescuing of any fossils discovered during construction;
- All work is to be carried out within the authorised construction footprint. Any new areas that may need to be disturbed must be surveyed for archaeological sites prior to disturbance;
- Where possible, built elements should be painted in a colour to match the surrounding landscape;
- Any disturbed areas not required during operation must be rehabilitated after construction; and
- If any archaeological material or human burials are uncovered during the course of development then work in the immediate area should be halted. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution.

It is the considered opinion of the heritage specialist that all the proposed amendments to the Namas grid connection corridor as listed above may be authorised.

Yours sincerely

Jayson Orton

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Figure 1: Map showing the northern end of the new corridor (green outline) compared to the original corridor (shaded turquoise). Archaeological sites are marked by numbered symbols with those requiring mitigation if they are impacted having 50m radius circles around their waypoints. The thin white line is an indicative preferred alignment within the corridor and the pink line with grey dots is the soon-to-be constructed 400 kV power line.

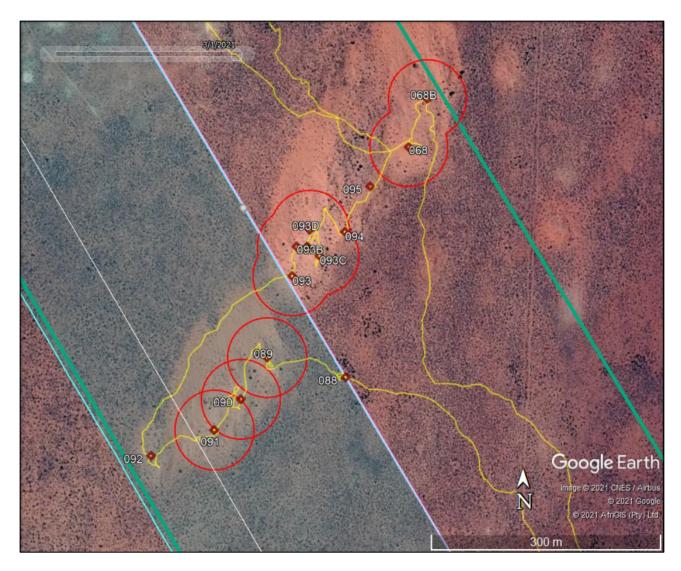


Figure 2: Detail from the southern edge of Figure 1. Key as per figure 1.



Figure 3: Map of the new corridor in the next area south of Figure 1. Key as per Figure 1.



Figure 4: Map showing part of the new corridor crossing the Kleinsee-Komaggas road. Key as per Figure 1.

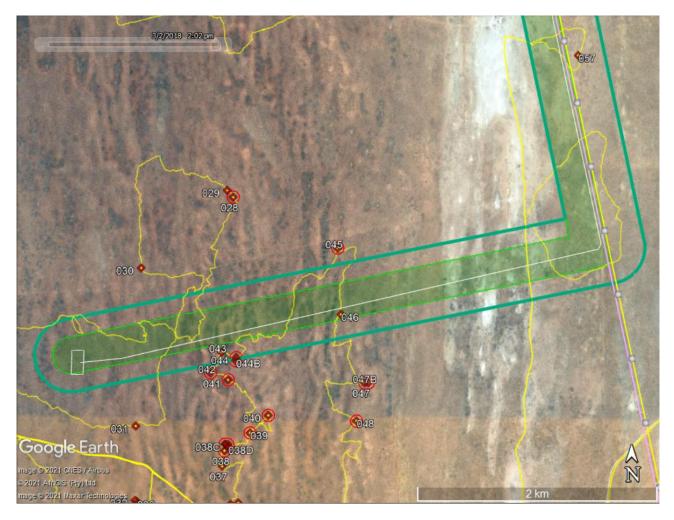


Figure 5: Map showing the southern end of the new corridor. Key as per Figure 1. The white rectangle is the amended substation/switching station location.