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Ref: 20623 REV02

Proposed Maules Creek Solar Farm, Landscape and Visual Impact Assessment

Preliminary Assessment Stage – Update with new project boundary

This memorandum updates the previous preliminary visual assessment for the proposed Maules Creek Solar Farm due to project boundary changes since submission of the Scoping Report.

1.0 Identification of viewpoints to be assessed

To identify viewpoints, a viewshed of the Site (based on an approximate height of 5.5 metres (m) for the solar panels extending close to the Project boundary, and 3.0m across the proposed substation and Battery Energy Storage System (BESS)) was used to identify receivers with theoretical line-of-sight to the Project (refer **Figure 1**).

Key public viewpoints within 2.5km of the project need to be identified and private viewpoints (residences) within 4km.

Public viewpoints on roads or railways within 2.5km

Public viewpoints identified within 2.5km:

- Viewpoints along parts of five local roads within 2.5km – being parts of Glencoe Road, Black Mountain Creek Road, Harparary Road, Stoney Creek Road and Middle Creek Road (representative viewpoints would be determined during field investigations).

Private and other public viewpoints (i.e. that are not along roads or railways) within 4km

13 private (residential) receivers (PR) were identified within 4 km of the Site (measured from the site boundary), as well as a community hall. Figure 1 also shows some residences beyond the 4km boundary to provide further context.

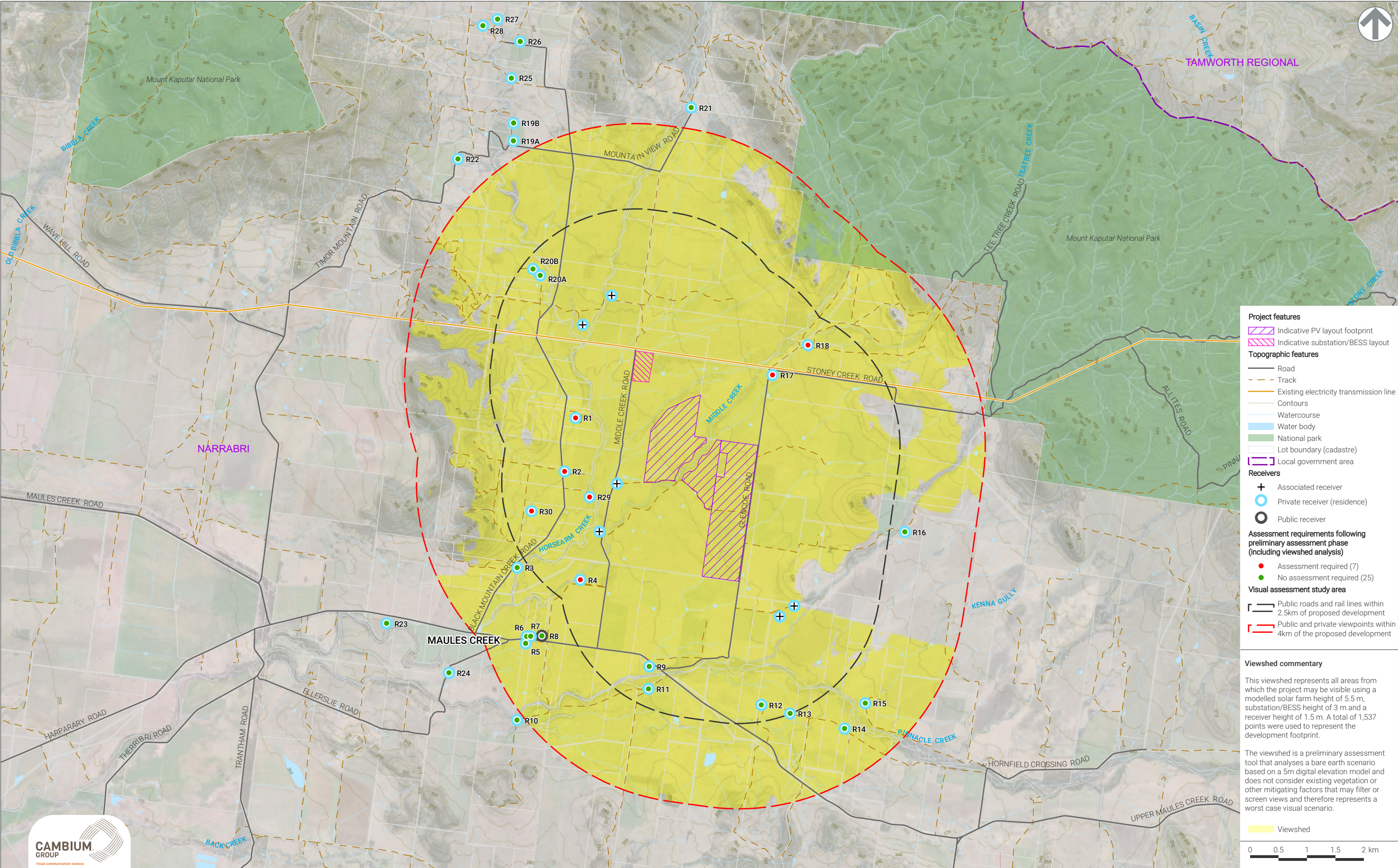
2.0 Application of the Preliminary Assessment Tool (PAT)

The PAT is based on the vertical and horizontal field of view that a development is likely to occupy when viewed from each viewpoint, and is influenced by distance, height elevation changes and width of a project.

The revised results of the PAT for the Project are shown in **Attachment A**.

Figure 1
Theoretical viewshed and viewpoint analysis

MAULES CREEK SOLAR FARM | LANDSCAPE AND VISUAL IMPACT ASSESSMENT



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Source: NSW Government Department of Planning and Environment, Technical Supplement - Landscape and Visual Impact Assessment (2022), NSW Government Spatial Services (2023), Esri, Maxar, Geoeye (2023), Commonwealth of Australia (Geoscience Australia) (2024), Pitt & Sherry (2024), Envisage Consulting (2024), Cambium Group (2024).

031265_LVIA_MCSF_F1_Viewshed_240411_v04

3.0 Results - viewpoints requiring a detailed assessment

Based on the PAT, the following viewpoints require a detailed assessment:

- Seven private residences within 4km (refer **Figure 1**)- being Receivers R1, R2, R4, R17, R18, R29 and R30 (which is approved for a house yet not yet constructed).
- Viewpoints along parts of five local roads within 2.5km – being parts of Glencoe Road, Black Mountain Creek Road, Harparary Road, Stoney Creek Road and Middle Creek Road (representative viewpoints would be determined during field investigations).

4.0 Next stage – site investigations

- Residential visits - All seven private residences will need to be visited and photographed. Photomontages will be needed from any residences where it cannot be shown that views to Project would be prevented by obstructions such as buildings and/or vegetation.
- Public viewpoints – during the site investigations views to the Project site from roads within 2.5km would be considered, and any locations where clear views are possible would be photographed. Some of those locations will likely need a photomontage prepared for to illustrate the possible view of the Project.

Feedback will be given after the site visit as to the number of photomontages we believe are required.

Receiver No.	Type of viewpoint	Distance from Project (m)	Viewpoint height (m) - obtained from spatial data (or Digital Elevation Model)	Final height of VP (ground height + standard height of viewer)	Relative height Difference (m)	Vertical field of view (sector as per PAT For graph)	Horizontal field of view (degrees)	Is detailed visual assessment required (yes / no / N/A)
LB	Associated residence	1064	313.4	314.9	25.8	1		
LA	Associated residence	1046	307.4	308.9	25.8	1		
LC	Associated residence	1164	286.8	288.3	31.4	1		
LD	Associated residence	472	293.4	294.9	25.8	3		
LE	Associated residence	957	303.7	305.2	25.8	2		
LF	Associated residence	1073	306.4	307.9	25.8	1		
R1	Non-associated residence	1186	300.4	301.9	25.8	1	99	Y
R2	Non-associated residence	1406	298.1	299.6	25.8	1	97	Y
R3	Non-associated residence	2886	281.0	283.1	56.6	1	65	N
R4	Non-associated residence	2043	283.6	285.1	34.6	1	77	Y
R5	Non-associated residence	1819	277.3	279.0	40.7	1	93	N
R6	Non-associated residence	3260	277.7	279.2	40.5	1	54	N
R7	Non-associated residence	4194	277.8	279.3	40.4	1	55	N
R8	Public facility - community hall	3306	278.4	279.9	39.8	1	56	N
R9	Non-associated residence	2838	287.6	289.1	30.4	1	50	N
R10	Non-associated residence	4130	278.3	279.8	39.9	0	40	N
R11	Non-associated residence	2191	287.8	289.3	30.4	1	43	N
R12	Non-associated residence	2209	296.9	298.4	25.8	1	27	N
R13	Non-associated residence	2494	300.0	301.5	25.8	1	26	N
R14	Non-associated residence	1190	305.6	307.1	25.8	0	26	N
R15	Non-associated residence	3095	305.5	307.0	25.8	0	30	N
R16	Non-associated residence	2773	333.1	334.6	40.7	1	52	N
R17	Non-associated residence	1265	323.9	325.4	51.5	1	91	Y
R18	Non-associated residence	1973	336.5	338.0	44.1	1	72	Y
R19A	Non-associated residence	4280	332.8	334.3	40.4	0	18	N
R19B	Non-associated residence	4352	336.3	337.7	43.8	0	17	N
R20A	Non-associated residence	2146	311.7	313.2	25.8	1	29	N
R20B	Non-associated residence	2317	312.7	314.2	25.8	1	28	N
R21	Non-associated residence	4374	337.5	339.0	66.1	1	24	N
R22	Non-associated residence	4807	355.4	356.9	63.0	1	15	N
R23	Non-associated residence	5159	268.6	270.1	49.6	0	41	N
R24	Non-associated residence	4764	272.9	274.4	45.5	0	42	N
R25	Non-associated residence	5276	341.9	343.4	49.5	0	16	N
R26	Non-associated residence	5811	310.2	311.7	37.8	0	19	N
R27	Non-associated residence	6323	352.8	354.3	60.4	0	14	N
R28	Non-associated residence	6324	356.8	358.3	64.4	0	14	N
R29	Non-associated residence	988	289.4	290.9	28.8	2	108	Y
R30	Non-associated residence	2037	298.9	300.4	25.8	1	78	Y

Table 1: Preliminary Assessment Table

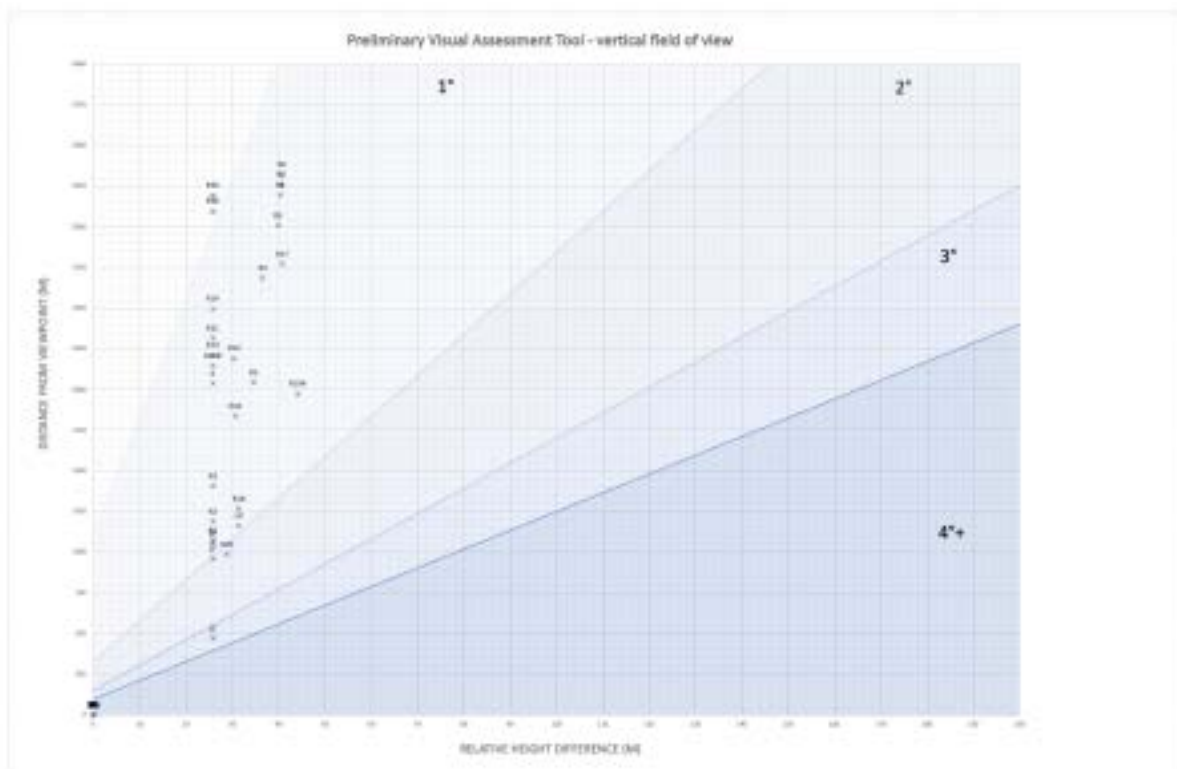


Figure 2: Matrix combining vertical and horizontal field of view (*Technical Supplement of the Guidelines*)