Glanmire Solar Farm

Soil & Land Capability

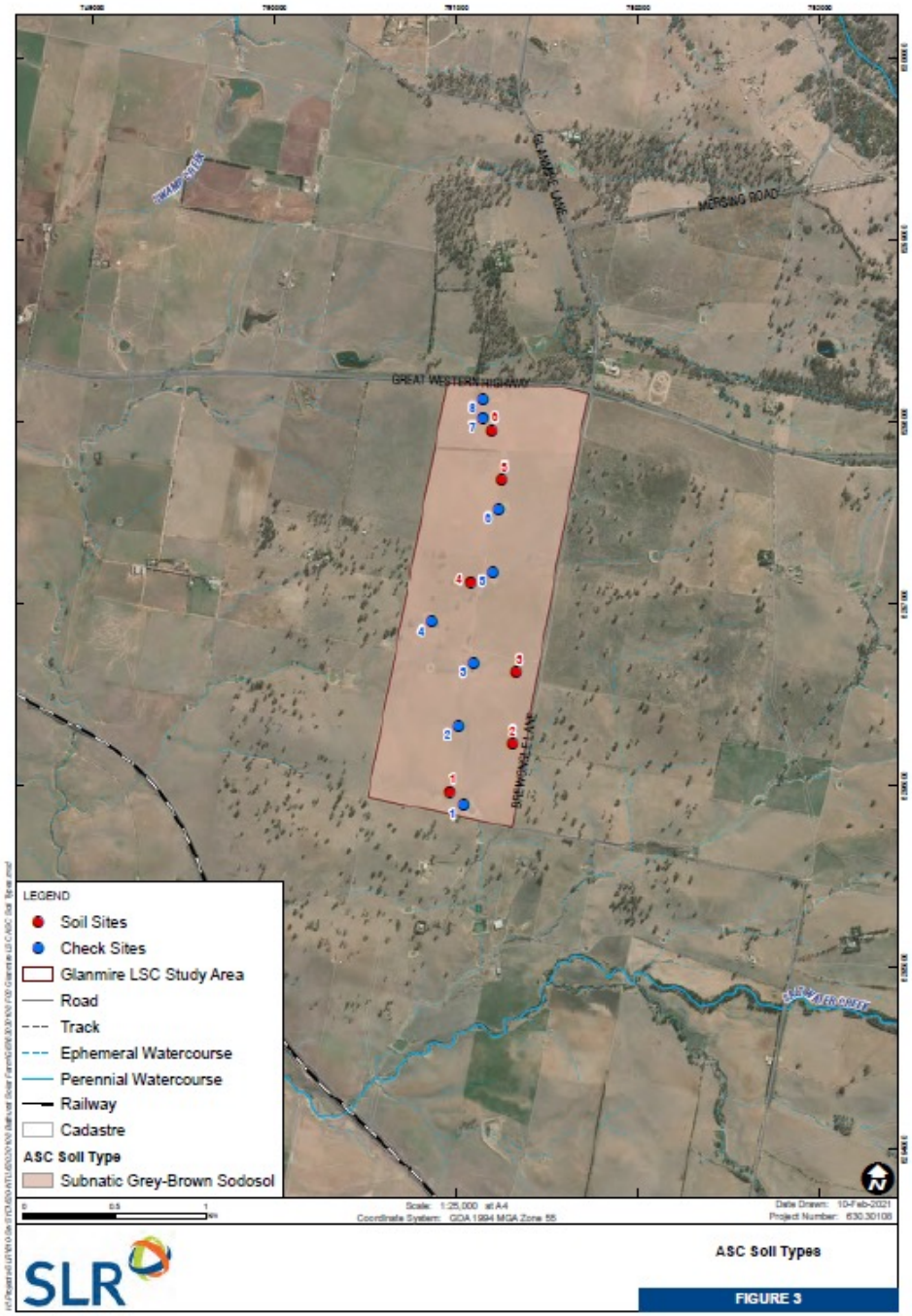
- Determine Australian Soil Classification (ASC) soil types across the Study Area
- Determine Land & Soil Capability (LSC) according to the *Land and Soil Capability Scheme Second Approximation* (NSW DPE)
- Verification of Biophysical Strategic Agricultural Land (BSAL) according to the *Interim Protocol for Site Verification and Mapping of Biophysical Strategic Agricultural Land* (NSW DPE)
- *All methodologies are recognised by the NSW government and are repeatable*

Soil Landscape Mapping & Soil Survey

- Mapped by the NSW government at a scale of 1:250,000 on Soil Landscapes of the Bathurst Sheet
- Dominant soil type Sodosols (LSC Class 3)
- Smaller area of Chromosols (LSC Class 5)

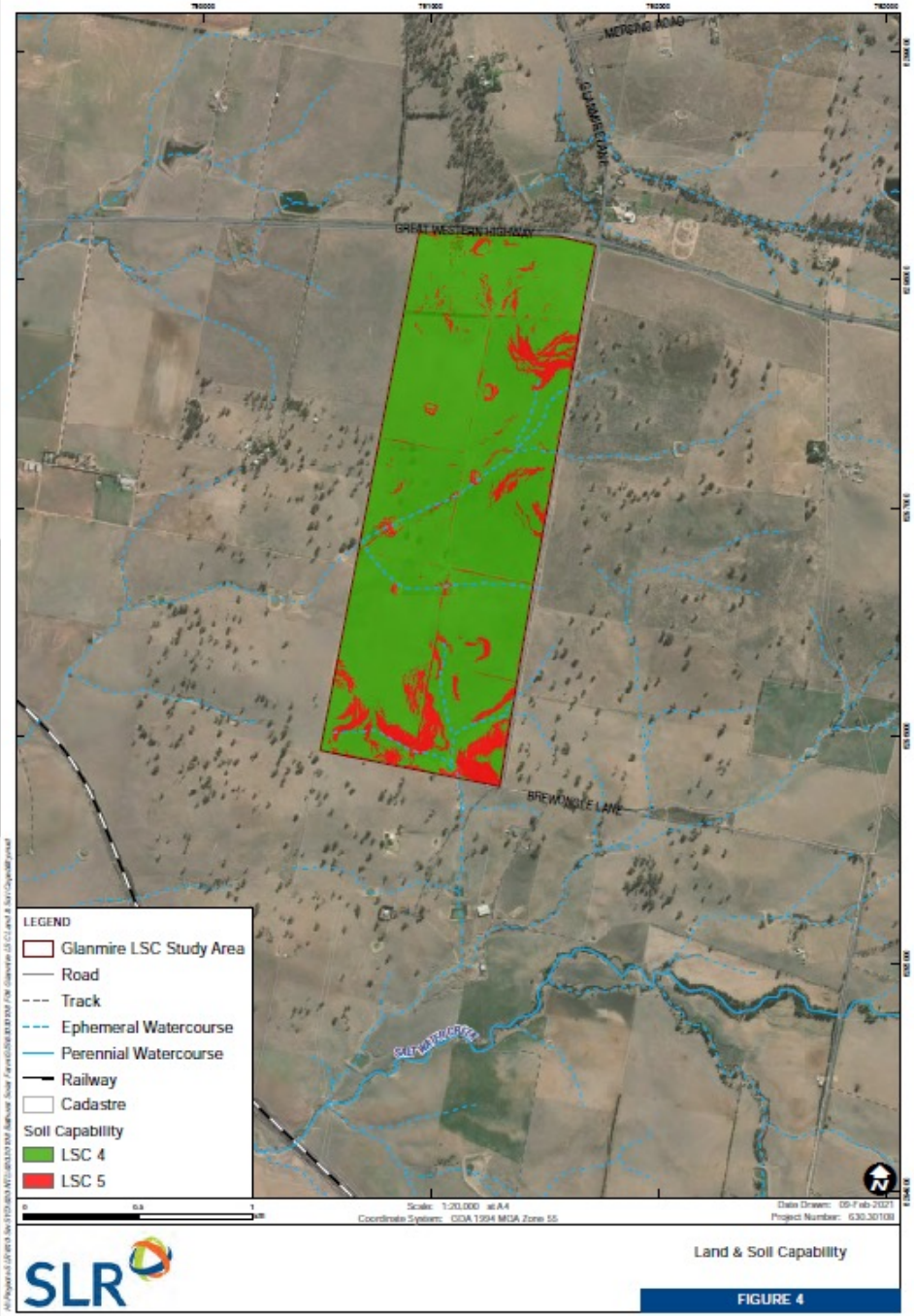
Category	LSC Study Area	BSAL Study Area
Total Study Area Hectares	186	251
1:100,000 Survey Density Target	Minimum 3 Required Sites	
Detailed Sites	8	
Check Sites	6	
Total Number Sites	14	
Laboratory Analysed Sites	4	

- Actual soil survey scale 1:30,000
- Soil type ground-truthed as a Sodosol
- Majority LSC Class 4 with some LSC Class 5



ASC Soil Types

FIGURE 3



Land & Soil Capability

FIGURE 4

Agricultural Impact Assessment

Prepared in accordance with the *Strategic Agricultural Land Use Policy: Guideline for Agricultural Impact Statements* (NSW DPE)*:*

- A desktop review of all publicly available information relating to the Project
- Site inspection by SLR's Principal Agronomist, Murray Fraser
- Description of the biophysical environment for the Project Area and surrounding locality
- A review of specialist impact assessments which also form part of the EIS for the Project
- Assessment of potential impacts on agricultural resources and industry, including mitigation measures for any identified impacts

Potential Agricultural Impacts

- Area will remain available for grazing of livestock – “Solar Grazing”
- Will not be able to continue fodder cropping during project life
- Visual amenity assessed as part of the EIS – but is not an agricultural impact
- No agricultural enterprises which rely on visual amenity are within the area
- Possible reduction in carrying capacity during project life
- No long-term impacts once infrastructure is removed
- The LSC Class, soil type, land use and agricultural economic potential of the development footprint are all expected to be the same or similar to pre-development status