



**NOTICE OF SECTION 39B DECLARATION  
THAT PROPOSAL IS A DERIVED PROPOSAL**  
(Section 39B of the *Environmental Protection Act 1986*)

**Strategic Proposal:** Browse LNG Strategic Proposal

**Strategic Proposal Statement:** Ministerial Statement No. 917 published on 19  
November 2012

Pursuant to section 39B(5)(b) of the *Environmental Protection Act 1986*, the Environmental Protection Authority hereby gives you, the Minister for Environment, notice that the Chairman and the Deputy Chairman, acting as delegates of the Environmental Protection Authority pursuant to Instrument of Delegation No. 29 dated 6 December 2012, have declared the proposal described in Schedule 1 to this Notice to be a derived proposal.

**Dr Paul Vogel**  
CHAIRMAN

**Prof Robert Harvey**  
DEPUTY CHAIRMAN

17.12.12

Dated 17.12.12

## Schedule 1 – Description of Derived Proposal

**Derived Proposal:** Browse LNG Downstream Development of 25Mtpa  
**Proponent:** Woodside Energy Ltd (nominated under section 38(6) of the Act)  
**Proponent Address:** Woodside Plaza, 240 St George's Terrace, PERTH WA 2000  
**Description of Derived Proposal:** As detailed the Table below and Figures 1 and 2 attached to this Notice

Item	Developments/ Activities/ Change in Land Use	Browse LNG Downstream Development of 25Mtpa as proposed in this referral (References to Figures in this column relate to this document)
1	Hydrocarbon processing area	<p>One heavy industrial area up to 500 ha located in Area B (as identified in Figure 1 of this Notice).</p> <p>Proposed Use and Development:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Facilities for the conversion of natural gas to produce up to 25 Mtpa of LNG (plus associated LPG, condensate, other hydrocarbon products (excluding petrochemicals)) storage and export at variable rates, flare structures, other ancillary facilities and facilities for carbon dioxide export offsite.</li> <li><input type="checkbox"/> Any relevant supporting infrastructure – including wastewater treatment facilities, water supplies, desalination water production facility (if required), electricity generation plants, concrete batching plants, rock screening and crushing facilities, relevant administration buildings and offices, internal access and haul roads.</li> <li><input type="checkbox"/> Clearing of terrestrial native vegetation directly related to proposed uses and developments will not exceed the areas listed in item 11 of this table.</li> </ul>
2	Common user area	<p>Up to 587 ha for the common user area within Area B (as identified in Figure 1 of this Notice).</p> <p>Proposed Use and Development:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Lay down areas and internal buffer areas between the industrial facilities.</li> <li><input type="checkbox"/> Administration and plant buildings.</li> <li><input type="checkbox"/> Internal access roads.</li> <li><input type="checkbox"/> Wastewater pipes.</li> <li><input type="checkbox"/> Temporary stockpiles.</li> <li><input type="checkbox"/> Contractor offices.</li> <li><input type="checkbox"/> Concrete batch plant.</li> <li><input type="checkbox"/> Trucking, parking and assembly areas.</li> <li><input type="checkbox"/> Flood management works.</li> <li><input type="checkbox"/> Clearing for bush fire management.</li> <li><input type="checkbox"/> Service utilities.</li> <li><input type="checkbox"/> Clearing of terrestrial native vegetation directly related to proposed uses and developments will not exceed the areas listed in item 11 of this table.</li> </ul>
3	Light industrial area (LIA)	<p>Whilst use of the LIA is likely to be required for industrial uses to support the Browse LNG Precinct, it is not part of Woodside's foundation proposal.</p>
4	Port Area	<p>Up to approximately 930 ha within Area A (as identified in Figure 1 of this Notice).</p>

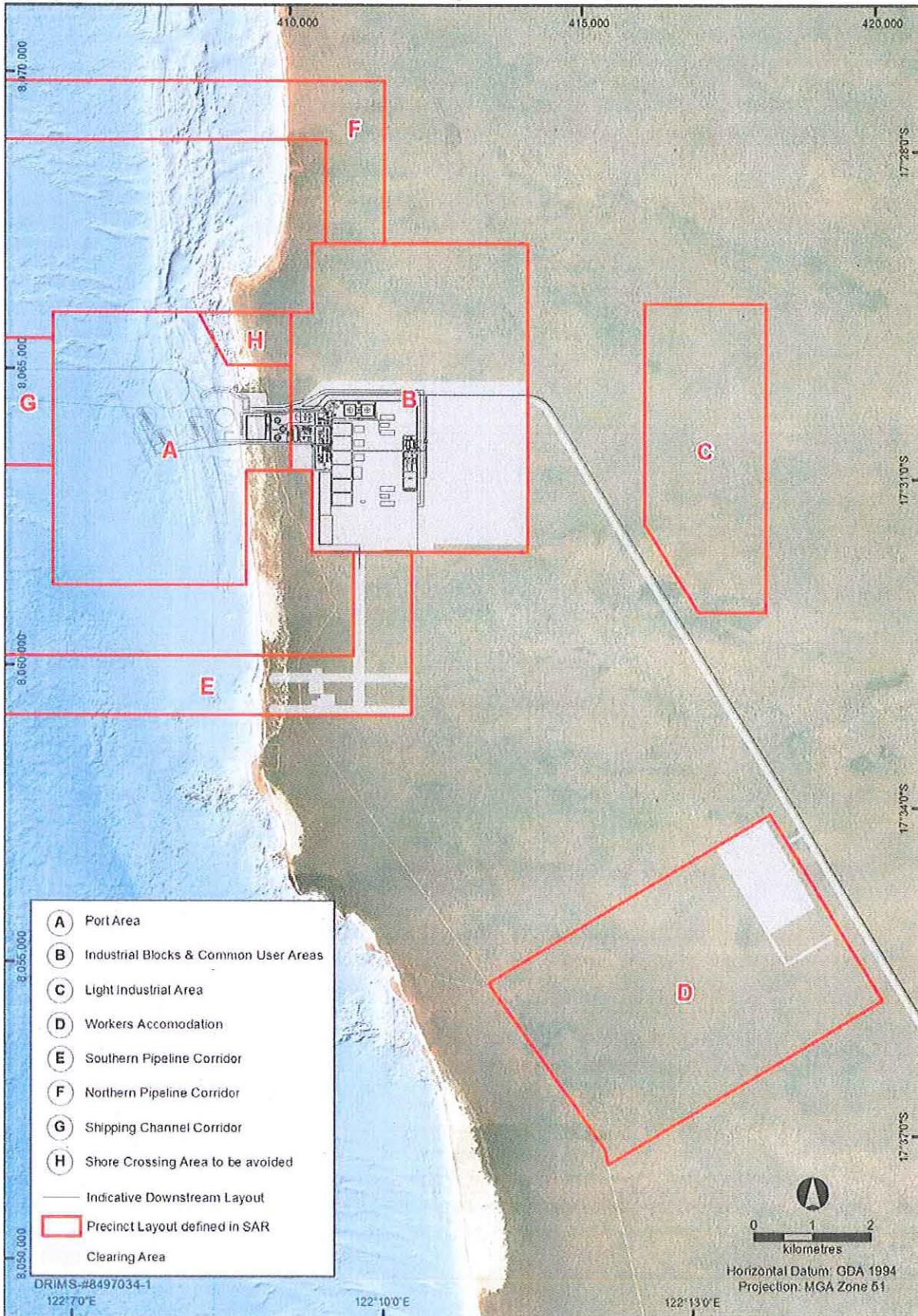
		<p>Proposed Use and Development:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Loading berths and load out infrastructure.</li> <li><input type="checkbox"/> Multi-user shipping channel.</li> <li><input type="checkbox"/> Desalination seawater intake and brine outlet.</li> <li><input type="checkbox"/> Flood management works.</li> <li><input type="checkbox"/> Tug pens.</li> <li><input type="checkbox"/> Support vessel area.</li> <li><input type="checkbox"/> Storage tanks (diesel, LNG, LPG, condensate).</li> <li><input type="checkbox"/> Marine flares.</li> <li><input type="checkbox"/> Pipelines.</li> <li><input type="checkbox"/> Roads.</li> <li><input type="checkbox"/> Lay down areas.</li> <li><input type="checkbox"/> One piled multi-spur jetty.</li> <li><input type="checkbox"/> Turning basins.</li> <li><input type="checkbox"/> One breakwater (as required in final design).</li> <li><input type="checkbox"/> Wastewater disposal pipelines and diffusers.</li> <li><input type="checkbox"/> Capital and maintenance dredging.</li> <li><input type="checkbox"/> Integrated Marine Facilities (IMF), including connecting causeway(s), support vessel harbours, marine support facilities, marine offloading facilities (MOF) and roll-on, roll-off facilities (RORO).</li> <li><input type="checkbox"/> Two breakwaters/seawalls associated with IMF.</li> </ul> <p><input type="checkbox"/> Clearing of terrestrial native vegetation directly related to proposed uses and developments listed in item 11 of this table.</p> <p><input type="checkbox"/> Total permanent loss of Benthic Primary Producers and Benthic Primary Producer Habitat directly related to proposed uses and developments will not exceed the areas listed in item 12 of this table.</p>
5	Shipping Channel Area	<p>Shipping channel within Area G (as identified in Figure 1 of this Notice) up to 550 m wide and extending from the limit of Port Area A to the limit of State Waters.</p> <p>Proposed Use and Development:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Multi-user shipping channel.</li> </ul>
6	Pipeline Corridor Areas	<p>Up to 132 ha within Area E for the use of pipelines and operating/service corridors (as identified in Figure 1 of this Notice).</p> <p>Proposed Use and Development:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Construction of up to 8 pipelines in Area E for natural gas, mono-ethylene glycol, liquids, services (e.g. fibre optic cable) and potentially carbon dioxide export.</li> <li><input type="checkbox"/> Support facilities.</li> </ul> <p><input type="checkbox"/> Clearing of terrestrial native vegetation directly related to proposed uses and developments will not exceed the areas listed in item 11.</p> <p><input type="checkbox"/> Total permanent loss of Benthic Primary Producers and Benthic Primary Producer Habitat directly related to proposed uses and developments will not exceed the areas listed in item 12.</p>
7	Accommodation Area	<p>Up to 150 ha within Area D (as identified in Figure 1 of this Notice).</p> <p>Proposed Use and Development:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Accommodation and associated support facilities.</li> </ul> <p><input type="checkbox"/> Clearing of terrestrial native vegetation directly related to proposed uses and developments will not exceed the areas listed in item 11 of this table.</p>
8	Infrastructure and	<p>Up to 80 ha located within 13 km from boundary of Area B (as identified in</p>

	services corridors	<p>Figure 1 of this Notice).</p> <p>Proposed Use and Development:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Borefield (including groundwater, surface water and vegetation monitoring locations).</li> <li><input type="checkbox"/> Electricity transmission services corridors.</li> <li><input type="checkbox"/> Pipelines from borefield to Precinct.</li> <li><input type="checkbox"/> Borefield access and service roads.</li> <li><input type="checkbox"/> The Manari Road diversion is not part of this referral.</li> <li><input type="checkbox"/> Service facilities (including utilities, fencing, minor access roads and drainage).</li> <li><input type="checkbox"/> Firebreaks.</li> <li><input type="checkbox"/> Clearing of terrestrial native vegetation directly related to proposed uses and developments will not exceed the areas listed in item 11 of this table.</li> </ul>
9	Industrial land use buffer zone	<p>Area extending 2,000 m from the boundary of Area B (as identified in Figure 1 of this Notice).</p> <p>Proposed Use and Development:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> As per item 8 above.</li> </ul>
10	Sensitive land use buffer zone	<p>Area between 2,000 m and 3,000 m from the boundary of Area B (as identified in Figure 1 of this Notice).</p> <p>Proposed Use and Development:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> As per item 8 above.</li> </ul>
11	Clearing of terrestrial native vegetation across all areas shown in Figure 1– Precinct Layout	<p>Clearing of terrestrial native vegetation up to a maximum of 1,528 ha, excluding clearing for fuel reduction activities and clearing for fire access. Areas and corresponding clearing amounts are as follows:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Area A up to 81 ha,</li> <li><input type="checkbox"/> Area B up to 1,085 ha,</li> <li><input type="checkbox"/> Area C up to 0 ha,</li> <li><input type="checkbox"/> Area D up to 150 ha,</li> <li><input type="checkbox"/> Area E up to 132 ha.</li> </ul> <p><input type="checkbox"/> Within 13 km of the boundary of Area B up to 80 ha (excluding provision of fire breaks).</p> <p>Within the total area of permissible clearing 83 ha of Monsoon Vine Thicket Threatened Ecological Community to be cleared either directly or indirectly.</p>
12	Permanent loss of Benthic Primary Producers and	<p>Permanent loss of Benthic Primary Producers and Benthic Primary Producer Habitat directly related to proposed uses and developments in:</p>

	Benthic Primary Producer Habitat	<input type="checkbox"/> Port Area A. <input type="checkbox"/> Marine portions of the Pipeline Corridor Area E. <input type="checkbox"/> Shipping Channel Area G.  to be confined to the Zone of High Impact (as shown as area of permanent loss of BPPH on Figure 2 of this Notice).
13	Construction and operation of hydrocarbon processing facilities for converting natural gas to LNG (plus associated LPG, condensate, other hydrocarbon products).	<input type="checkbox"/> Located within Port Area A and/or heavy industrial areas located in Area B. <input type="checkbox"/> Up to <b>25 Mtpa</b> operating capacity. <input type="checkbox"/> LNG, condensate and LPG storage tanks commensurate with a <b>25 Mtpa</b> LNG development. <input type="checkbox"/> Clearing of terrestrial native vegetation directly related to proposed uses and developments will not exceed the areas listed in item 11 of this table.
14	Construction and operation of supporting developments and activities.	<input type="checkbox"/> Located within Port Area A and heavy industrial areas in Area B.  <input type="checkbox"/> Discharge from wastewater treatment facilities and wastewater outfalls of up to a total of <b>15 GL per annum</b> of produced water, condensed water, desalination brine, sewage and greywater.  <input type="checkbox"/> First flush stormwater to be captured and treated and all captured water to be used on site or discharged via marine outfall.  <input type="checkbox"/> Water supply for construction by groundwater abstraction and/or desalination of up to a combined total of <b>3 GL per annum</b> . Water supply to supply operational requirements by desalination of up to a total of <b>3 GL per annum</b> .    All supporting infrastructure necessary for LNG production developments/activities contained within Precinct boundaries A to E and the borefield within 13 km of the boundary of Area B (as identified in Figure 1 of this Notice).
15	Construction and operation of a marine and terrestrial port and infrastructure.	Up to <b>930 ha</b> within Port Area A (as identified in Figure 1 of this Notice), comprising: <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>3</b> loading berths.</li> <li><input type="checkbox"/> <b>One</b> piled multi-spur jetty, extending up to <b>2 km west</b> from the current location of the Lowest Astronomical Tide</li> <li><input type="checkbox"/> <b>One</b> multi-user shipping channel to limit of Area A (as identified in Figure 1 of this Notice).</li> <li><input type="checkbox"/> Turning basins.</li> <li><input type="checkbox"/> <b>One</b> breakwater and smaller breakwaters / seawalls extending up to <b>2 km west</b> from the current location of the Lowest Astronomical Tide.</li> <li><input type="checkbox"/> Wastewater pipelines and diffusers with up to <b>15 GL per annum</b> capacity.</li> </ul> <input type="checkbox"/> Up to <b>21 million m<sup>3</sup></b> of capital dredging.

16	Construction and operation of the Multi-user Shipping Channel.	Multi-user shipping channel in Area G, (as identified in Figure 1 of this Notice). <input type="checkbox"/> Up to 550 m wide and extending from the western limit of Port Area A to the limit of State Waters.
17	Construction and operation of the Integrated Marine Facilities (IMF).	Contained within Area A (as identified in Figure 1 of this Notice). <input type="checkbox"/> Onshore excavation extending up to 330 m east from current location of Highest Astronomical Tide. <input type="checkbox"/> Clearing of terrestrial native vegetation related to IMF is included in the 81 ha of permitted clearing in Area A at item 11 of this table.
18	Construction and use of accommodation village.	<input type="checkbox"/> Clearing of terrestrial native vegetation directly related to permitted land uses and developments will not exceed the areas listed in item 11 of this table. <input type="checkbox"/> All access to and from accommodation village to be via Browse LNG Precinct Road (not part of this referred proposal).
19	Dredging and spoil disposal activities.	<input type="checkbox"/> Up to 21 million m <sup>3</sup> of capital dredging plus periodic maintenance dredging as required (includes capital dredging required for IMF). <input type="checkbox"/> No dredge spoil disposal in State Waters.
20	Infrastructure and Services Corridor development activities.	<input type="checkbox"/> Groundwater production limited to up to 3 GL per annum. <input type="checkbox"/> Clearing up to 80 ha directly related to activities in this item within 13 km of the boundary of Area B (as identified in Figure 1 of this Notice).
21	Pipeline corridors for gas, mono-ethylene glycol, liquids, and potentially carbon dioxide export and communications.	<input type="checkbox"/> Pipeline corridors contained within Area E (as identified in Figure 1 of this Notice). <input type="checkbox"/> Clearing of terrestrial native vegetation directly related to permitted uses and developments will not exceed areas listed in item 11 of this table.

**Figure 1 - Browse LNG Downstream Development overlain on Browse LNG Precinct boundary identified in Figure 1 of Ministerial Statement 917.**



**Figure 2 - Indicative Port layout and Zone of High Impact with permanent loss of benthic primary producer habitat (BPPH).**

