



Title of Proposal - Hard Rock Quarry Shenton Ridge Wellington WA

Section 1 - Summary of your proposed action

Provide a summary of your proposed action, including any consultations undertaken.

1.1 Project Industry Type

Mining

1.2 Provide a detailed description of the proposed action, including all proposed activities.

B and J Catalano have excavated crushed laterite duricrust and gravel from Lot 501 for a number of years and wish to expand their operations by re-opening a small hard rock quarry near the gravel operations to complement the products that can be provided.

There is a small hard rock quarry on site that will be re-opened and extended.

Granite hard rock is a valuable community resource and has the capacity to provide an alternative resource to the Bunbury Basalt.

The proposed hard rock quarry is to extract 50 000 to 100 000 tonnes of hard rock per year.

The pit and processing area have been selected to be low in the landscape below the ridge lines to provide screening from the closest dwellings. The closest dwellings are 2.3 kilometres away.

By using sight lines and field observations it is felt that the operation will not be visible from dwellings.

Rock will be extracted by drill and blast with an excavator. A 35 tonne haul truck will take the resource to the processing area where a mobile crushing plant will be used to produce a range of products and a number of stockpiles.

Access will use the same roads as those for the operating gravel pit on Lot 501.

This document aims to be a practical document that describes the operations and the onsite management. The methods used have been developed by Catalano who have thoroughly researched and investigated the operational and environmental issues.

Catalano makes commitments, continues to use the described procedures and management, and where necessary, changes the procedures when ongoing research or new methods suggest that there are better ways of doing things.

The site is located on parkland pasture, with the pit requiring clearing of clumps of Marri and



Jarrha trees of < 1 hectare total.

The action is the clearing of the trees and a potential nesting tree. This is all summarised and contained in the Flora and Vegetation Survey that is attached. No other matters, listed under the EPBC Act 2017 are impacted. A Clearing Permit is concurrently sought from the Department of Water Environment Regulation.

1.3 What is the extent and location of your proposed action? Use the polygon tool on the map below to mark the location of your proposed action.

Area	Point	Latitude	Longitude
Clearing total 500 mm diameter and 1 possible nest tree. Offsets are proposed.	1	-33.303341622005	115.90364001654
Clearing total 500 mm diameter and 1 possible nest tree. Offsets are proposed.	2	-33.303807899382	115.90366147421
Clearing total 500 mm diameter and 1 possible nest tree. Offsets are proposed.	3	-33.304130705336	115.90355418585
Clearing total 500 mm diameter and 1 possible nest tree. Offsets are proposed.	4	-33.304489377218	115.90325377844
Clearing total 500 mm diameter and 1 possible nest tree. Offsets are proposed.	5	-33.304489377218	115.90323232077
Clearing total 500 mm diameter and 1 possible nest tree. Offsets are proposed.	6	-33.304632845557	115.90235255621
Clearing total 500 mm diameter and 1 possible nest tree. Offsets are proposed.	7	-33.303969302508	115.90145133398
Clearing total 500 mm diameter and 1 possible nest tree.	8	-33.303467158467	115.90132258795



Offsets are proposed.		
Clearing total 500 mm 9 diameter and 1 possible nest tree.	-33.302624267327	115.90110801123
Offsets are proposed.		
Clearing total 500 mm 10 diameter and 1 possible nest tree.	-33.301709631554	115.90119384192
Offsets are proposed.		
Clearing total 500 mm 11 diameter and 1 possible nest tree.	-33.301117803297	115.90125821493
Offsets are proposed.		
Clearing total 500 mm 12 diameter and 1 possible nest tree.	-33.300777051872	115.90147279166
Offsets are proposed.		
Clearing total 500 mm 13 diameter and 1 possible nest tree.	-33.301835170366	115.90333960913
Offsets are proposed.		
Clearing total 500 mm 14 diameter and 1 possible nest tree.	-33.302462861711	115.90338252447
Offsets are proposed.		
Clearing total 500 mm 15 diameter and 1 possible nest tree.	-33.30332368821	115.90361855887
Offsets are proposed.		
Clearing total 500 mm 16 diameter and 1 possible nest tree.	-33.303359555796	115.90364001654
Offsets are proposed.		
Clearing total 500 mm 17 diameter and 1 possible nest tree.	-33.303341622005	115.90364001654
Offsets are proposed.		



Section 2 - Matters of National Environmental Significance

Describe the affected area and the likely impacts of the proposal, emphasising the relevant matters protected by the EPBC Act. Refer to relevant maps as appropriate. The [interactive map tool](#) can help determine whether matters of national environmental significance or other matters protected by the EPBC Act are likely to occur in your area of interest. Consideration of likely impacts should include both direct and indirect impacts.

Your assessment of likely impacts should consider whether a bioregional plan is relevant to your proposal. The following resources can assist you in your assessment of likely impacts:

- [Profiles of relevant species/communities](#) (where available), that will assist in the identification of whether there is likely to be a significant impact on them if the proposal proceeds;
- [Significant Impact Guidelines 1.1 – Matters of National Environmental Significance](#);
- [Significant Impact Guideline 1.2 – Actions on, or impacting upon, Commonwealth land and Actions by Commonwealth Agencies](#).

2.1 Is the proposed action likely to have ANY direct or indirect impact on the values of any World Heritage properties?

No

2.2 Is the proposed action likely to have ANY direct or indirect impact on the values of any National Heritage places?

No

2.3 Is the proposed action likely to have ANY direct or indirect impact on the ecological character of a Ramsar wetland?

No

2.4 Is the proposed action likely to have ANY direct or indirect impact on the members of any listed species or any threatened ecological community, or their habitat?

Yes

2.4.1 Impact table

Species	Impact
Three species of Black Cockatoo although the	< 1 hectare of total Marri and Jarrah trees to be



Species	Impact
Red Tail Black Cockatoo has been observed near site and from feeding debris and is assessed by Tony Kirkby a cockatoo consultant to be the species most likely to use the area.	cleared, including 20 Marri and 2 Jarrah trees > 500 mm and including one potential tree used for nesting. Mitigation is proposed. A pre-referral telephone meeting has been undertaken.

2.4.2 Do you consider this impact to be significant?

No

2.5 Is the proposed action likely to have ANY direct or indirect impact on the members of any listed migratory species, or their habitat?

No

2.6 Is the proposed action to be undertaken in a marine environment (outside Commonwealth marine areas)?

No

2.7 Is the proposed action to be taken on or near Commonwealth land?

No

2.8 Is the proposed action taking place in the Great Barrier Reef Marine Park?

No

2.9 Is the proposed action likely to have ANY direct or indirect impact on a water resource related to coal/gas/mining?

No

2.10 Is the proposed action a nuclear action?

No

2.11 Is the proposed action to be taken by the Commonwealth agency?

No

2.12 Is the proposed action to be undertaken in a Commonwealth Heritage Place Overseas?



No

2.13 Is the proposed action likely to have ANY direct or indirect impact on a water resource related to coal/gas/mining?

No



Section 3 - Description of the project area

Provide a description of the project area and the affected area, including information about the following features (where relevant to the project area and/or affected area, and to the extent not otherwise addressed in Section 2).

3.1 Describe the flora and fauna relevant to the project area.

See attached flora and vegetation assessment.

3.2 Describe the hydrology relevant to the project area (including water flows).

The Water Management Plan has been approved by the Department Water Environment Regulation (DWER) Bunbury office.

No water is proposed to be released from the pit. If any water is released it must comply with the approved Water Management Plan and be approved by the Shire of Harvey (see conditions of approval).

3.3 Describe the soil and vegetation characteristics relevant to the project area.

Contained in the Flora and Vegetation Study and the Water Management Plan where there are photographs and sections.

The soils are shallow loam soils on granite - gneiss basement.

3.4 Describe any outstanding natural features and/or any other important or unique values relevant to the project area.

The main natural feature is the tributary to the south which is excluded from the disturbance area. The DWER have approved the water management Plan.

3.5 Describe the status of native vegetation relevant to the project area.



See the attached flora and vegetation assessment and management.

3.6 Describe the gradient (or depth range if action is to be taken in a marine area) relevant to the project area.

Not applicable

3.7 Describe the current condition of the environment relevant to the project area.

The site is parkland pasture.

See the attached flora and vegetation assessment and management.

3.8 Describe any Commonwealth Heritage Places or other places recognised as having heritage values relevant to the project area.

Not applicable

3.9 Describe any Indigenous heritage values relevant to the project area.

None are recorded on State databases.

3.10 Describe the tenure of the action area (e.g. freehold, leasehold) relevant to the project area.

Freehold land.

3.11 Describe any existing or any proposed uses relevant to the project area.

Lot 501 is used as pasture and grazing land. A gravel quarry has operated on site for 15 years.



Section 4 - Measures to avoid or reduce impacts

Provide a description of measures that will be implemented to avoid, reduce, manage or offset any relevant impacts of the action. Include, if appropriate, any relevant reports or technical advice relating to the feasibility and effectiveness of the proposed measures.

Examples of relevant measures to avoid or reduce impacts may include the timing of works, avoidance of important habitat, specific design measures, or adoption of specific work practices.

4.1 Describe the measures you will undertake to avoid or reduce impact from your proposed action.

Over 2.0 hectares of Marri and Jarrah trees are to be planted.

Ten approved cockatoo nesting boxes are proposed to be placed in forest on Lot 501.

All other tree vegetation on Lot 501 is to be protected. This is conditioned on the approval.

The pit has been located in an area where the vegetation is parkland pasture rather than forest.

Within 12 km radius approximately 50% of the land remains as Marri - Jarrah Forest on private land, reserved land, State Forest and National Park.

The adjoining land to the west is pine plantation feeding habitat for cockatoos.

A tree and habitat survey for Black Cockatoos and Black Cockatoo habitat has been undertaken by Tony Kirkby.

See the attached flora, vegetation and cockatoo habitat survey.

4.2 For matters protected by the EPBC Act that may be affected by the proposed action, describe the proposed environmental outcomes to be achieved.

The proposed outcomes should be no significant effect on Black Cockatoo feeding habitat.

There is anticipated to be an increase in the number of potential nesting sites on Lot 501.

A tree and habitat survey for Black Cockatoos and Black Cockatoo habitat has been undertaken by Tony Kirkby.

See the attached flora, vegetation and cockatoo habitat survey.



Section 5 – Conclusion on the likelihood of significant impacts

A checkbox tick identifies each of the matters of National Environmental Significance you identified in section 2 of this application as likely to be a significant impact.

Review the matters you have identified below. If a matter ticked below has been incorrectly identified you will need to return to Section 2 to edit.

5.1.1 World Heritage Properties

No

5.1.2 National Heritage Places

No

5.1.3 Wetlands of International Importance (declared Ramsar Wetlands)

No

5.1.4 Listed threatened species or any threatened ecological community

No

5.1.5 Listed migratory species

No

5.1.6 Commonwealth marine environment

No

5.1.7 Protection of the environment from actions involving Commonwealth land

No

5.1.8 Great Barrier Reef Marine Park

No

5.1.9 A water resource, in relation to coal/gas/mining

No



5.1.10 Protection of the environment from nuclear actions

No

5.1.11 Protection of the environment from Commonwealth actions

No

5.1.12 Commonwealth Heritage places overseas

No

5.2 If no significant matters are identified, provide the key reasons why you think the proposed action is not likely to have a significant impact on a matter protected under the EPBC Act and therefore not a controlled action.

The amount of clearing does not trigger the EPBC Guidelines.

The ten nesting boxes to be placed on site will increase the potential habitat trees for nesting.

All forest vegetation on Lot 501 is to be protected.

Of the land contained within a 12 km radius approximately half is retained as native forest on private land, reserved land State Forest and National Park.

Over two hectares of feeding habitat trees are to be planted on bunds and in other locations.



Section 6 – Environmental record of the person proposing to take the action

Provide details of any proceedings under Commonwealth, State or Territory law against the person proposing to take the action that pertain to the protection of the environment or the conservation and sustainable use of natural resources.

6.1 Does the person taking the action have a satisfactory record of responsible environmental management? Please explain in further detail.

B and J Catalano have a very good record for protecting the environment and being pro-active.

B and J Catalano are a Quality Assured Company with an Environmental Policy in place.

6.2 Provide details of any past or present proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against either (a) the person proposing to take the action or, (b) if a permit has been applied for in relation to the action – the person making the application.

Nil

6.3 If it is a corporation undertaking the action will the action be taken in accordance with the corporation's environmental policy and framework?

Yes

6.3.1 If the person taking the action is a corporation, please provide details of the corporation's environmental policy and planning framework.

See attached policies - management

6.4 Has the person taking the action previously referred an action under the EPBC Act, or been responsible for undertaking an action referred under the EPBC Act?

No



Section 7 – Information sources

You are required to provide the references used in preparing the referral including the reliability of the source.

7.1 List references used in preparing the referral (please provide the reference source reliability and any uncertainties of source).

Reference Source	Reliability	Uncertainties
Detailed site studies by Landform Research (Environmental - geological consultant and Tony Kirkby (a cockatoo expert). Numerous site inspections over a number of years (2013 - 2014). EPBC referral and Assessment Guidelines.	High	None apparent. See attached flora, vegetation and cockatoo report./



Section 8 – Proposed alternatives

You are required to complete this section if you have any feasible alternatives to taking the proposed action (including not taking the action) that were considered but not proposed.

8.0 Provide a description of the feasible alternative?

There is no feasible alternative. The site of the pit is chosen because that is where the granite resource lies and adjoins an existing granite pit. The site was chosen because it had limited vegetation.

The processing area is located in a cleared area (apart from 3 regrowth trees).

The disturbance footprint and hard rock quarry have been approved by the State Administrative Tribunal - Shire of Harvey who have approved a defined disturbance footprint.

8.1 Select the relevant alternatives related to your proposed action.

8.27 Do you have another alternative?

No



Section 9 – Contacts, signatures and declarations

Where applicable, you must provide the contact details of each of the following entities: Person Proposing the Action; Proposed Designated Proponent and; Person Preparing the Referral. You will also be required to provide signed declarations from each of the identified entities.

9.0 Is the person proposing to take the action an Organisation or an Individual?

Organisation

9.2 Organisation

9.2.1 Job Title

Mr

9.2.2 First Name

Peter

9.2.3 Last Name

Bennett

9.2.4 E-mail

peterbennett@catalano.com.au

9.2.5 Postal Address

South Western Highway
Brunswick WA 6224
Australia

9.2.6 ABN/ACN

ACN

008961975 - B. & J. CATALANO PTY LTD

9.2.7 Organisation Telephone

08 9726 8100



9.2.8 Organisation E-mail

peterbennett@catalano.com.au

9.2.9 I qualify for exemption from fees under section 520(4C)(e)(v) of the EPBC Act because I am:

Not applicable

Small Business Declaration

I have read the Department of the Environment and Energy's guidance in the online form concerning the definition of a small a business entity and confirm that I qualify for a small business exemption.

Signature:..... Date:

9.2.9.2 I would like to apply for a waiver of full or partial fees under Schedule 1, 5.21A of the EPBC Regulations

No

9.2.9.3 Under sub regulation 5.21A(5), you must include information about the applicant (if not you) the grounds on which the waiver is sought and the reasons why it should be made

Person proposing the action - Declaration

I, B & J Catalano, declare that to the best of my knowledge the information I have given on, or attached to the EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence. I declare that I am not taking the action on behalf of or for the benefit of any other person or entity.

Signature: [Signature] Date: 27/10/2017

I, _____, the person proposing the action, consent to the designation of _____ as the proponent of the purposes of the action describe in this EPBC Act Referral.

Signature:..... Date:

9.3 Is the Proposed Designated Proponent an Organisation or Individual?



Organisation

9.5 Organisation

9.5.1 Job Title

Mr

9.5.2 First Name

Peter

9.5.3 Last Name

Bennett

9.5.4 E-mail

peterbennett@catalano.com.au

9.5.5 Postal Address

South West Highway
Brunswick WA 6224
Australia

9.5.6 ABN/ACN

ACN

008961975 - B. & J. CATALANO PTY LTD

9.5.7 Organisation Telephone

08 9726 8100

9.5.8 Organisation E-mail

peterbennett@catalano.com.au

Proposed designated proponent - Declaration

I, _____, the proposed designated proponent, consent to the designation of myself as the proponent for the purposes of the action described in this EPBC Act Referral.



Signature:..... Date:

9.6 Is the Referring Party an Organisation or Individual?

Organisation

9.8 Organisation

9.8.1 Job Title

Mr

9.8.2 First Name

Lindsay

9.8.3 Last Name

Stephens

9.8.4 E-mail

landform@iinet.net.au

9.8.5 Postal Address

49 Birdwood Avenue
Como WA 6111
Australia

9.8.6 ABN/ACN

ABN

29841445694 - LINDSAY J & HELEN C STEPHENS

9.8.7 Organisation Telephone

08 9474 3978

9.8.8 Organisation E-mail

landform@iinet.net.au

Referring Party - Declaration



Australian Government

Department of the Environment and Energy

Submission #2879 - Hard Rock Quarry Shenton Ridge
Wellington WA

I, Lindsay Stephens, I declare that to the best of my knowledge the information I have given on, or attached to this EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence.

Signature: [Signature] Date: 23/10/2017



Appendix A - Attachments

The following attachments have been supplied with this EPBC Act Referral:

1. 04112016114333.pdf
2. catalano_environmentalpolicysigned.pdf
3. catalano_runnymede_rd_cockatoo_management_plan_august_2011.pdf
4. catalano_shenton_conditions_sat-per-dr-17-2016.pdf
5. catalano_shenton_footprint_2017-10-18.dbf
6. catalano_shenton_footprint_2017-10-18.prj
7. catalano_shenton_footprint_2017-10-18.sbn
8. catalano_shenton_footprint_2017-10-18.sbx
9. catalano_shenton_footprint_2017-10-18.shp
10. catalano_shenton_footprint_2017-10-18.shx
11. catalano_shenton_hard_rock_quarry_water_management_plan_2017-07-20.pdf
12. catalano_shenton_hard_rock_shape_file_mga_50_- _2017-10-17.pdf
13. catalano_shenton_veg_and_cockatoo_habitat_survey_2017_-_09_report_r.pdf
14. catalanshenton_sat_orders.pdf
15. council_minutes_18.10.16-council-minutes-1.pdf
16. epa_decision_and_appeal_documents.pdf