

| | tion details | | | | | | | |
|--|--|---|--|---|---|---|--|--|
| 1.1. Permi | t application c | details | | | | | | |
| Permit applicat | tion No.: | 620/1 | 620/1 | | | | | |
| Permit type: | | Area P | ermit | | | | | |
| - | onent details | | | | | | | |
| Proponent's na | ame: | Hamer | sley Iron P | ty Ltd | | | | |
| | | | | | | | | |
| | | | | | | | | |
| - | rty details | | | | | | | |
| Property: Local Governm | | AM70/2 | | | | | | |
| Colloquial nam | | | Of East Pilba | ara ı Ore Mine - AM70 | 1/274 | | | |
| • | | 1 anulo | | | // 2/ 4 | | | |
| 1.4. Applic | | - | Marthaulta | | F | 11 | | |
| Clearing Area (32.1 | na) No. | Trees | | of Clearing ical Removal | ⊦or Mini | the purpose of: | | |
| 02.1 | | | Mechani | | IVIIII | | | |
| 2. Site Info | ormation | | | | | | | |
| 2.1. Existi | ng environme | nt and ir | formation | n | | | | |
| | iption of the nat | | | | | | | |
| Vegetation Des | • | ring Descr | | Vegetation Cond | ition | Comment | | |
| Beards Vegetati | - | vegetation of | - | Very Good: Veget | | The area proposed for clearing is within a mining lease | | |
| Association # 82 | 2 - comp | prises grass | ses and | structure altered; | | area, so is either currently subject to or surrounded by | | |
| hummock grass tree steppe; sna | | r storey nat Declared Ra | ive species. | obvious signs of disturbance (Keigh | herv | significant disturbance. The project areas consist of a long, narrow section adjacent to a haul road, and a | | |
| over Triodia wis | | Fauna were | | 1994) | lory | widened area at the southern end that is 350m at its | | |
| (Hopkins et al, 2 | , | n the area p | proposed | | | widest point. The flora found within the area are generall | | |
| There is ~100% European exten | | learing. | | | | widespread within the surrounding area (Hopkins et al, 2001). | | |
| (Shepherd et al, | , 2001). | | | | | | | |
| 3. Assessr | ment of applic | ation ag | ainst claa | ring principles | | | | |
| | | | | | | | | |
| (a) Native v | vegetation sho | ould not | be cleare | d if it comprise | s a h | igh level of biological diversity. | | |
| Comments | Proposal is r | not likelv | to be at v | variance to this | Drin | ainla | | |
| | | | | |) Г ТШ | icipie | | |
| | | of the site | | xed hummock gra | isslan | ds, which are well represented in the area | | |
| | surrounding the | of the site | | xed hummock gra | isslan | | | |
| | | of the site | | xed hummock gra | isslan | ds, which are well represented in the area | | |
| Methodology | surrounding the | of the site e project a sity. | | xed hummock gra | isslan | ds, which are well represented in the area | | |
| Methodology | surrounding the biological diver Hopkins et al, 2 | of the site e project a sity. 2001 | ırea (Hopkir | xed hummock gra | isslan | ds, which are well represented in the area | | |
| | surrounding the biological diver Hopkins et al, 2 GIS Database: | of the site e project a rsity. 2001 Pre-Europ | ırea (Hopkir pean Veget | xed hummock gra ns et al, 2001). Th ation - DA 01/01 | isslan ie area | ds, which are well represented in the area a is unlikely to represent an area of outstanding | | |
| (b) Native v | surrounding the biological diver Hopkins et al, 2 GIS Database: egetation sho | of the site e project a sity. 2001 Pre-Europ | rrea (Hopkir pean Veget be cleared | xed hummock gra ns et al, 2001). Th tation - DA 01/01 I if it comprises | isslan ie area s the | ds, which are well represented in the area a is unlikely to represent an area of outstanding whole or a part of, or is necessary for the | | |
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| (b) Native v | surrounding the biological diver Hopkins et al, 2 GIS Database: egetation sho ance of, a sign Proposal is r | o of the site e project a sity. 2001 Pre-Europ uld not k nificant l not likely | rea (Hopkir pean Veget be cleared nabitat for v to be at v | xed hummock gra hs et al, 2001). Th tation - DA 01/01 I if it comprises r fauna indigen variance to this | s the ous t Prin | ds, which are well represented in the area a is unlikely to represent an area of outstanding whole or a part of, or is necessary for the to Western Australia. | | |
| (b) Native v mainten | surrounding the biological diver Hopkins et al, 2 GIS Database: egetation sho ance of, a sign Proposal is r Hummock gras | o of the site e project a sity. 2001 Pre-Europ uld not k nificant h not likely sslands ma | rea (Hopkir pean Veget be cleared nabitat for to be at v ay provide s | xed hummock gra hs et al, 2001). Th tation - DA 01/01 I if it comprises r fauna indigen variance to this some habitat for fa | s the ous t Prin | ds, which are well represented in the area a is unlikely to represent an area of outstanding whole or a part of, or is necessary for the to Western Australia. hciple species, however the application area is mainly a | | |
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| (d) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a significant ecological community. Comments Proposal is not likely to be at variance to this Principle There are no known Threatened Ecological Communities within the area proposed for clearing. Methodology GIS Database: Threatened Ecological Communities - CALM 150/703 (e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared. Comments Proposal is not likely to be at variance to this Principle The vegetation network papelcation is Beard Vegetation Association WE2 (Hopkins et al. 2001) of which there is -100% of the pre-European extent remaining (Shepherd et al. 2001). Methodology Hopkins et al. 2001; GIS Database: Pre-European Vegetation - DA 01/01 (f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland. Comments Proposal is not likely to be at variance to this Principle The vegetation to be cleared if the clearing of the vegetation is likely to cause appreciable land degradation. Comments Proposal is not likely to be at variance to this Principle The vegetation means and and all sope of mover - 700m at the widest point. Erosion from rainfall runoff is unlikely to result from vegetation ros bas a groad all sope of mover - 700m at the widest point. Erosion from rainfall runoff is unlikely to be sever | maintenance of a significant ecological community. Comments Proposal is not likely to be at variance to this Principle There are no known Threatened Ecological Communities within the area proposed for clearing. Methodology GIS Database: Threatened Ecological Communities - CALM 15/07/03 (e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared. Comments Proposal is not likely to be at variance to this Principle The vegetation under application is Beard Vegetation Association #82 (Hopkins et al. 2001) of which there is -100% of the pre-European extent remaining (Stepherd et al. 2001). Methodology Hopkins et al. 2001: Shepherd et al. 2001: Shepherd et al. 2001: GIS Database: Pre-European Vegetation - DA 01/01 (f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland. Comments Proposal is not likely to be at variance to this Principle The vegetation to be cleared is not associated with a wetland or watercourse. Methodology GIS Database: - Hydrology, linear - DC 12/204; - RAMSAR, Wetlands - CALM 21/10/02 (g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation. Comments Proposal is not likely to be at variance to this Principle Th | | |
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| There are no known Threatened Ecological Communities within the area proposed for dearing. Methodology GIS Database: Threatened Ecological Communities - CALM 15/07/03 (e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared. Comments Proposal is not likely to be at variance to this Principle The vegetation under application is Beard Vegetation Association #82 (Hopkins et al. 2001) of which there is association with, an environment associated with a watercourse or wetland. Comments Proposal is not likely to be at variance to this Principle The vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland. Comments Proposal is not likely to be at variance to this Principle The vegetation to be cleared is not associated with a wetland or watercourse. Methodology GIS Database: - Hydrology, linear - DOE 1/2/04: - RAMSAR, Wetlands - CALM 21/10/02 (g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation. Comments Proposal is not likely to be at variance to this Principle The appleciation area has a gradual slope of fm over-700m at the widest point. Erosion from rainfall runoff is unlikely to be severe due to the flantess of the area. Therefore iand degradation is unlikely to result from vegetation removal if the area is approprintely managed as part of mining activities. | Methodology GIS Database: Threatened Ecological Communities within the area proposed for clearing. Methodology GIS Database: Threatened Ecological Communities - CALM 15/07/03 (e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared. Comments Proposal is not likely to be at variance to this Principle The vegetation under application is Beard Vegetation Association #2 (Hopkins et al. 2001) of which there is - 10% of the principle associated with a water course or wetland. (f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland. Comments Proposal is not likely to be at variance to this Principle The vegetation to be cleared is int associated with a wetland or watercourse. Methodology (g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation. (c) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation. Comments Proposal is not likely to be at variance to this Principle The application area has a gradual slope of fin over-700m at the widest point. Erosion from rainfall runoff is unlikely to be severe due to the flatness of the area. Therefore land degradation is unlikely to have an impact on the eavis approprinately managed as part of mining activities | | |
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| Methodology GIS Database: Rainfall, Mean Annual - BOM 30/09/01 | Methodology GIS Database: Rainfall, Mean Annual - BOM 30/09/01 | Comments | Flooding occurs seasonally over the December to March period, where flood height and duration are lengthy |
| | | Methodology | GIS Database: Rainfall, Mean Annual - BOM 30/09/01 |

Planning instrument, Native Title, Previous EPA decision or other matter.

Comments

Methodology

There are two Native Title Claims over the area under application by the Innawonga Bunjima and Niapaili peoples and the Martu Idja Banyjima peoples. However, the Mineral Lease has been granted so therefore the granting of a clearing permit does not constitute a future act under the Native Title Act 1993. GIS Database: Native Title Claims - DLI 19/12/04

4. Assessor's recommendations

| Purpose | | plied ea (ha)/ trees | Decision | Comment / recommendation |
|---------|-----------------------|-------------------------|----------|--|
| Mining | Mechanical Removal | 32.1 | Grant | Assessable criteria have been addressed and no objections were raised. The Assessing Officer therefore recommends that the permit should be granted. |

5. References

Hamersley Iron (2002) Ground Disturbance Authorisation: Environment. Permit Number E02-002. Unpublished Document. Department of Environment Reference: TRIM KNI780

Hopkins, A.J.M., Beeston, G.R. and Harvey J.M. (2001) A database on the vegetation of Western Australia. Stage 1.

CALMScience after J. S. Beard, late 1960's to early 1980's Vegetation Survey of Western Australia, UWA Press. Keighery, BJ (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.

6. Glossary

| Term | Meaning |
|------|--|
| CALM | Department of Conservation and Land Management |
| DAWA | Department of Agriculture |
| DEP | Department of Environmental Protection (now DoE) |
| DoE | Department of Environment |
| DolR | Department of Industry and Resources |
| DRF | Declared Rare Flora |
| EPP | Environmental Protection Policy |
| GIS | Geographical Information System |
| ha | Hectare (10,000 square metres) |
| TEC | Threatened Ecological Community |
| WRC | Water and Rivers Commission (now DoE) |