

	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		<b>-</b>	Marthaulta		<b>F</b>	11		
Clearing Area ( 32.1	na) No.	Trees		of Clearing ical Removal	<b>⊦or</b> 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		
					) <b>Г</b> 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		
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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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that has been extensively cleared.         Comment The vegetation under application is Beard Vegetation Association #82 (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 is not associated with a wetland or watercourse.         Methodology       GIS Database: - Hydrology, linear - DDE 1/2/04; - RAMSAR, Wetlands - CALM 21/10/02         (g)       Native vegetation no 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 ane has a gradual slope of for wore -700m at he widest point. Erosion from rainfall runoff is unlikely to be severe due to the fitaness of the area. Therefore land degradation is unlikely to result from vegetation removal if the area is appropriately managed as part of mining activities.         Methodology       GIS Database: Topographic Contours, Statewide - DOLA 12/09/02         (h)       Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.         Comments       Proposal is not likely to be at variance to this Principle There are no conservation areas adjacen	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 (Shepherd et al. 2001).         Methodology       Hopkins 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 - 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 application removal if the area is appropriately managed as part of mining activities.         Methodology       GIS Database: Topographic Contours, Statewide - DOLA 12/09/02         (h) Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.         Comments       Proposal is not likely to be at variance to this Principle There are no conservation areas adjacent to the areas proposed for clearing. The clearing is within an operational mime site.         Met	Methodology	GIS Database: Threatened Ecological Communities - CALM 15/07/03
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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)