

1. Application details								
1.1. Permit application details								
Permit application No.:		1929/1						
Permit type:		Area Permit						
1.2. Proponent details								
Proponent's name:		Geoffrey Sales						
1.3. Property details Property:	S	LOT 102 ON PLAN 43422 (BEELA 6224)						
Local Government Area:	Shire Of Harvey							
Colloquial name:								
1.4. Application								
Clearing Area (ha)	No. T	rees Method	of Clearing F	For t	he purpose of:			
1		Mechan	ical Removal	Dam	n construction or maintenance			
2. Site Information								
		t and information	_					
2.1. Existing enviro	nmen	t and informatio	n Van ann Kaatian					
2.1.1. Description of th	ie nati Cloari	ve vegetation und	er application	~ n	Commont			
Reard Vegetation	The n	roposal involves	Degraded: Structure	n	The description of the clearing application area is based			
Association 1184: Medium	clearin	ng approximately 30	severely disturbed;		on a site inspection conducted by DEC officers on 5			
marri, Eucalyptus rudis &	caloph	iual Corymbia iylla (Marri),	condition requires	1	September 2007.			
Agonis flexuosa	Eucaly	ptus marginata	intensive manageme	ent				
(Shepherd et al. 2001).	rudis (Flooded gum) for the	(Reighery 1994)					
Lowdon (Lo) Complex:	constr vegeta	uction of a dam. The ation is in degraded						
Open forest of Corymbia	condit	ion (Keighery, 1994;						
marginata subsp.	little to	o no understorey.						
marginata-Agonis flexuosa								
wandoo and occasional								
Corymbia haematoxylon								
of Eucalyptus rudis-								
Melaleuca rhaphiophylla on vallev floor in the humid								
zone								
(Mattiske Consulting, 1998).								
Lowdon Complex: mixture								
or an open forest of jarrah-								

marri, a low open forest of peppermint on the lower valley slopes, a woodland of E. rudis-M. rhaphiophylla along watercourses, and a wandoo woodland on the slopes

(Heddle et al. 1980).

3. Assessment of application against clearing principles

(a) Native vegetation should not be cleared if it comprises a high level of biological diversity.

Comments Proposal is not likely to be at variance to this Principle The proposal is for the clearing of approximately 30 trees for the purpose of dam construction.

	The area under application is with no understorey. The are	considered to b a has been exte	e in degraded cor insively grazed by	ndition (Keig y livestock.	hery, 1994; DEC Site	Visit, 2007)
	Based on the unlikely signification low significance of the areas biological diversity.	ance of the area nabitat values, it	to contribute to th is unlikely that th	ne maintena e proposed	nce of rare flora and T clearing comprises a l	ECs and the high level of
Methodology	Keighery (1994); DEC Site Visit (2007); GIS databases: - Bunbury 50cm ORTHOMOS	SAIC - DLI04				
(b) Native veg maintena	getation should not be cl nce of, a significant habi	eared if it cor tat for fauna i	nprises the wh ndigenous to V	ole or a pa Vestern Ai	art of, or is necessa ustralia.	ary for the
Comments	Proposal is not likely to I The proposal is for the clearin understorey and is considered	be at variance Ig of approximat d to be in degrad	e to this Princip rely 30 trees for da ded condition (Kei	l e am construc ghery, 1994	tion. The vegetation has been strained by the second strain the second strain s	as no).
	Within the local area (10km ra Declared Threatened Fauna, (Pseudocheirus occidentalis; P4).	adius from the p including the Qu T), Chuditch (Da	roposed area for o uokka (Setonix bra asyurus geoffroii;	clearing) the achyurus; T) T) and the V	ere is are several know), the Western Ringtail Vater-rat (Hydromys c	n records of Possum hrysogaster;
	Given the nature of the clearin considered to be significant h	ng and the surro abitat for fauna	ounding vegetated indigenous to Wes	area, the a stern Austra	rea under application i Iia.	s not
Methodology	GIS Databases: - Threatened Fauna Database - CALM Managed Lands and - Bunbury 50cm ORTHOMOS	e - DEC; Waters - CALM SAIC - DLI04	1/07/05;			
(c) Native ve rare flora	egetation should not be c a.	leared if it ind	cludes, or is ne	cessary fo	or the continued ex	istence of,
Comments	Proposal is not likely to I A desktop study found one kr record of the P4 Anthotium ju	De at variance nown record of the nciforme occurri	e to this Princip ne Declared Rare ng in the local are	l e Flora (DRF) ea (10km rac) Drakaea elastica anc dius).	l one known
	Given the nature of the clearin unlikely that the area includes	ng and that the a or is necessary	area has been ext / for the continued	ensively gra l existence o	azed (DEC Site Visit, 2 of, rare flora.	007) it is
Methodology	DEC Site Visit (2007); GIS databases: - DEFL SAC Bio Datasets; - Bunbury 50cm ORTHOMOS	SAIC - DLI04				
(d) Native ve maintena	egetation should not be c ance of a threatened ecol	leared if it co ogical comm	mprises the wh unity.	nole or a p	art of, or is necess	ary for the
Comments	Proposal is not likely to I There are no known Threaten radius of the proposed area.	be at variance led Ecological C	e to this Princip communities or Pri	l e iority Ecolog	jical Communities with	in a 14 km
Methodology	GIS databases: - TEC SAC Bio Datasets;					
	- Bunbury 50cm ORTHOMOS	SAIC - DLI04				
(e) Native ve that has	- Bunbury 50cm ORTHOMOS egetation should not be o been extensively cleared	AIC - DLI04	significant as a	ı remnant	of native vegetatio	n in an area
(e) Native ve that has Comments	- Bunbury 50cm ORTHOMOS egetation should not be o been extensively cleared Proposal is not likely to I Pre-European	AIC - DLI04 leared if it is De at variance Current extent	significant as a to this Princip Remaining	ı remnant Ie	of native vegetatio	n in an area
(e) Native ve that has Comments	- Bunbury 50cm ORTHOMOS egetation should not be o been extensively cleared Proposal is not likely to I Pre-European	CAIC - DLI04 Cleared if it is De at variance Current extent reserves/CALM (ha)*	significant as a to this Princip Remaining (ha)*	i remnant le (%)*	of native vegetatio	n in an area % In **status managed land

	Shire of Harvey	168,294	101,085	60.1	Least Concern	
	Vegetation type: Beard: Unit 1184	63,441	28,921	45.6	Depleted	
	Mattiske: Lowdon (Lo):	170,364	86,394	50.7	Least Concern	
	Heddle: Lowdon:	NA	NA	NA	NA	NA
	* (Shepherd et al. 2001) ** (Department of Natural Resources and Environment 2002) *** Within the Intensive Landuse Zone					
	The area under application is located in the Jarrah Forest Bioregion. The extent of pre-European vegetation withi this area is 53.8% (Shepherd et al., 2001).					
	The proposal site falls within the Shire of Harvey, which retains 60.1% of pre-European vegetation (Shepherd et a 2001).					
	The Beard Vegetation Association of the area under application is 45.6% of the remaining pre-European vegetatio (Hopkins et al., 2001). The Mattiske Complex is Lowdon with 50.7% remaining of pre-European vegetation. Given the area under application, nature of the clearing and the remaining vegetation in the area, the proposed clearing is not considered significant remanent vegetation in an extensively cleared area.					ropean vegetation egetation.
						the proposed
Methodology	Shepherd et al. (2001); Hopkins et al. (2001); Department of Natural Resource EPA (2000); Heddle et al. (1980); Mattiske Consulting (1998); GIS Databases: - Mattiske Vegetation - CALM - Pre-European Vegetation - I - Heddle Vegetation Complex	rces and Enviro 24/3/98; DA 01/01; ies - DEP 21/06,	nment (2002); /95			
(f) Native v associa	vegetation should not be o ted with a watercourse or	cleared if it is wetland.	growing in, or i	n associa	ition with, an enviro	nment
Comments	Proposal is at variance to The purpose of the proposed an environment associated w	o this Princip clearing is for c ith a watercours	le onstruction of a da se.	am; therefor	re the area under applic	ation is within
	Given the above, the propose of the area has significantly n geomorphic wetland.	I is at variance to a solution of the second s	to this Principle; ho le of the native veg	owever the getation and	degraded (Keighery, 19 I therefore the associati	994) condition ion with this
Methodology	DEC Site Visit (2007);					
	GIS databases: - ANCA, Wetlands - CALM 08 - EPP Areas - DEP 06/95; - EPP Lakes - DEP 28/07/03; - Geomorphic Wetlands (Mgt - Hydrography Linear - DoE 1 - RAMSAR, Wetlands - CALM	8/01; Categories) Sw /2/04; / 21/10/02	an Coastal Plain -	DoE 15/9/(04;	
(g) Native v land de	vegetation should not be c gradation.	cleared if the o	clearing of the v	vegetatio	n is likely to cause a	ppreciable
Comments	Proposal is not likely to I Due to the nature of the clear as the area will remain vegeta	be at variance ing, 30 trees, the ated.	e to this Princip ere will likely be no	le o impact on	the area leading to lan	d degradation

Methodology	GIS databases: - Acid Sulphate Soil Risk Map, SCP - DoE 01/02/04;
	- Salinity Risk LM 25m - DOLA 00; - Topographic contours, Statewide - DOLA 12/09/02
(h) Native the env	vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on ironmental values of any adjacent or nearby conservation area.
Osmansa	Deserved is not likely to be at variance to this Dringin la
Comments	The area proposed for clearing does not lie within or adjacent to areas set aside for conservation. Given the nature of the clearing and the remaining surrounding vegetation in the local area, the proposed site is highly unlikely to function as an ecological linkage to nearby conservation areas.
Methodology	GIS databases: - CALM Managed Lands and Waters - CALM 1/07/05; - Register of National Estate EA 28/01/03
(i) Native in the q	vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration uality of surface or underground water.
Comments	Proposal is not likely to be at variance to this Principle
	Due to the nature of the clearing, 30 trees, the proposed clearing is unlikely to impact on the quality of surface or underground water as the area will remain vegetated.
Methodology	GIS databases:
	- Hydrographic Catchments. Catchments DOW:
	- Rainfall, Mean Annual BOM 30/09/01;
	- Public Drinking Water Source Areas (PDWSA) DOW
(j) Native inciden	vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the ce or intensity of flooding.
Comments	Proposal is not likely to be at variance to this Principle
	Due to the nature of the proposed clearing, 30 trees, it is unlikely to cause or exacerbate flooding within the local area.
Methodology	GIS databases:
	- Hydrography, linear -DOE 01/02/04:
	- Topographic Contours, Statewide - DOLA 12/09/02;
	- Rainfall, Mean annual - BOM 30/09/01
Diana in a in a	Amment Native Title Devices EDA desision or other metter
Planning ins	strument, Native Title, Previous EPA decision or other matter.
Comments	
	The proposed clearing is within the Wokalup Creek surface water catchment area gazetted for surface water management under the Rights in Water and Irrigation Act 1914 (RIWI). The Department of Water (DoW) Bunbury have issued a permit to interfere with beds and banks (PMB) on Lot 102 (DoW, 2007).
	The Shire of Harvey (2007) advises Council does not support the proposal for the following reasons:
	- The location is considered to be inappropriate for the construction of a dam: the watercourse has significant
	flow and contributes to the sustainability of the Brunswick River (PDWSA).
	- The removal of trees along watercourses will disrupt the natural flow patterns within the area from stormwater
	runoff and other processes.
	- The vegetation provides a significant habitat for bird life and fauna associated with the river.
	The DoW have considered the suitability of a dam on the watercourse and have granted approval, thus addressing the Shire's first point. The two other points have been addressed in the relevant clearing Principles.
	No public submissions have been received to date by the Department for this proposal
Methodology	No public submissions have been received to date by the Department for this proposal.
methodology	Shire of Harvey (2007)
4. Assesso	pr's comments

Purpose	Method	Applied	Comment
		area (ha)/ trees	
Dam	Mechanic	c 1	The applica
constructio	oral		matters in a
or	Removal		is at varian
maintenar	IC		

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s510 of the Environmental Protection Act 1986, and the proposed clearing is at variance to Principle (f).

5. References

DEC Site Visit (2007). Department of Environment and Conservation, Western Australia. TRIM Ref: DOC33366.

Department of Natural Resources and Environment (2002) Biodiversity Action Planning. Action planning for native biodiversity at multiple scales; catchment bioregional, landscape, local. Department of Natural Resources and Environment, Victoria.

- DoW Advice (2007). Copy of permit to interfere with beds and banks Lot 102 Beela Rd, Brunswick (G Sales). TRIM Ref: DOC40063.
- Heddle, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- 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, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Mattiske Consulting (1998) Mapping of vegetation complexes in the South West forest region of Western Australia, CALM. 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.

Shire of Harvey (2007). Submission for clearing proposal - G Sales. TRIM Ref: DOC31215.

6. Glossary

Term	Meaning
BCS	Biodiversity Coordination Section of DEC
CALM	Department of Conservation and Land Management (now BCS)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment
DoIR	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 DEC)

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