

Appendix A

Project Team Route Selection Workshop  
Data Tables

**PRELIMINARY ROUTE SELECTION ASSESSMENT**  
**SELECTION CRITERIA - ENVIRONMENT**

CATEGORY	CRITERIA NO. <sup>1</sup>	DESCRIPTION OF CRITERIA	METHODOLOGY	ASSUMPTIONS	SECTION A			SECTION B				SECTION C		SECTION D	
					Blue / Green / Purple	Orange	Refined Orange	Blue / Green	Purple	Orange	Refined Orange	Blue / Green / Purple	Orange	Blue	Green / Purple / Orange
SEPP 14 WETLANDS	7.2.2	Comparatively, assess the area of SEPP 14 wetlands affected by the option.	Measurement of area directly impacted from GIS data based on indicative footprint.	SEPP 14 boundaries as defined by Department of Planning.	0	0	0	0	1	1	1	0	0	0	0
	7.2.4	Does the option result in severance of a SEPP 14 wetland?	Comparison indicative footprint with mapped SEPP 14 wetlands from GIS data.	Severance is defined as any residual SEPP 14 area remaining on either side of the route corridor.	No	No	No	No	Yes	Yes	No	No	No	No	No
WATER QUALITY	7.2.6	Does the option provide for adequate protection of sensitive aquatic ecosystems and aquaculture operations through the provision of spill control on river crossings?	Count number of watercourses crossed or affected by the option.	All options must comply.	11	11	12	13	13	13	15	14	12	19	19
NATIVE FLORA	7.2.8	Does the option impact on known key threatened species or, populations?	Comparison of route corridor with mapped from GIS data. Measured as <b>number of potential threatened species</b> within 250 metre route corridor.	Key threatened species, or populations are defined as those listed under the TSC Act or EPBC Act as mapped by DEC (NPWS) and DEH respectively.	11	11	11	0	10	11	10	4	4	None known subject to further detailed investigations	
	7.2.10	Comparatively, what is the area of native vegetation to be cleared?	Measurement of area directly impacted from GIS data based on indicative footprint.		45	58	50	49	68	50	57	38	67	76	78
	7.2.11	Comparatively, what is to the area of endangered ecological community to be cleared?	Measurement of area directly impacted from GIS data based on indicative footprint.		17	15	18	7	28	31	13	18	27	None known subject to further detailed investigations	
NATIVE FAUNA	7.2.12	Does the option impact on known key significant threatened species, populations or ecological communities?	Comparison of route corridor with mapped from GIS data. Measured as area (ha) of habitat with high potential within 250 metre route corridor.	Threatened species, populations or ecological communities are defined as those listed under the TSC Act, EPBC Act or FM Act	H - 6 M - 14 L - 21	H - 12 M - 20 L - 16	H - 8 M - 15 L - 9	H - 0 M - 29 L - 19	H - 0 M - 52 L - 19	H - 12 M - 34 L - 9	H - 14 M - 37 L - 19	H - 3 M - 38 L - 20	H - 45 M - 21 L - 4	None known subject to further detailed investigations	
		Does the option impact on potential habitat of threatened species or populations?	Measured as the number of potential threatened species within 250 metre wide route corridor.	Potential species	24	24	24	13	34	45	39	18	15	None known subject to further detailed investigations	
	7.2.14	Does the option cross known wildlife corridors.	Comparison of route corridor with DEC mapped wildlife corridors	Widening an existing severance is worse than a new severance. Qualitative assessment	All options involve widening of the existing cleared corridor through 1 sub-regional wildlife corridor			All options involve clearing on edge of 1 regional wildlife corridor				Clearing on edge of 1 regional	Clearing just west of 1 regional	All options involve creation of a new cleared corridor through 1 regional & widening through 1 regional & 1 sub-regional	



**ROUTE SELECTION ASSESSMENT**  
**SELECTION CRITERIA – FUNCTIONAL**




CATEGORY	CRITERIA NO. <sup>1</sup>	DESCRIPTION OF CRITERIA	METHODOLOGY	ASSUMPTIONS	SECTION A			SECTION B				SECTION C		SECTION D	
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SAFETY – CONSTRUCTION	1.7.2	Comparatively, quantitatively assess vehicle road user delay during construction.	Measured as length (%) of existing route that would require speed zones due to adjacent traffic (construction under traffic).	Key factor in road user delay during construction is reduced speed zones due to proximity to works.	100%	45%	65%	100%	35%	5%	20%	100%	0%	100%	65%
	1.8.1	Comparatively, assess the local traffic interface with construction activities	Count the number of intersections of the highway alignment with local roads, driveways, forestry accesses, etc	Indicator of the risk of accident for local traffic	13	13	13	41	26	17	21	18	7	30	31
	1.8.2	Comparatively, assess the through traffic interface with construction activities	Count the number of cross overs for the route	Indicator of the risk of accident for through traffic	4	3	3	4	4	1	3	1	0	1	1
ENGINEERING RISKS	1.8.5		Length of centreline (km) over topography steeper than >1:5 (20%)	Indicator of the danger to plant of overturning	1	1	1	1	0	0	0	2	2	1	1
	1.8.6		Measure the total length of cuttings	Indicator of the danger to maintenance activities constricted adjacent to traffic and where stooping is less safe.	B:5289. G:5032. P:5072	7504	Not known. Similar to Orange	B:7319. G:6732	6132	6663	Not known. Similar to Orange	B:5261. G:5788. P:5868	6298	9068	G:8062. P:8624. O:9940
			Measure the length of existing cuttings >5.0m that will be widened.		1100m	1100m	1100m	2625m	500m	-	-	3090m	-	1515m	1515m



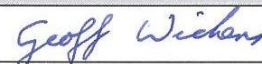
**ROUTE SELECTION ASSESSMENT**  
**SELECTION CRITERIA – COMMUNITY**

CATEGORY	CRITERIA NO. <sup>1</sup>	DESCRIPTION OF CRITERIA	METHODOLOGY	ASSUMPTIONS	SECTION A			SECTION B				SECTION C		SECTION D	
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HERITAGE	6.4.2	Does the option have an impact on known heritage?	Comparison of route corridor with mapped data in vicinity from GIS data. Measured as number of sites within 250m route corridor.	Heritage is defined as: Indigenous –Lands vested in LALC under the ALR Act 1982; lands owned by an Aboriginal group, sites registered on the DEC AHIMS register, and other known sites of cultural sensitivity that are not listed. Non-Indigenous – National, State, Regional or Local listings under an environmental planning instrument or statutory register.  General discussion on potential for undiscovered items (Indigenous and Non-indigenous) in undisturbed areas was also considered.	Vested lands: none known			Vested lands: none known				Vested lands: none known			
					Owned lands: none known			Owned lands: none known				Owned lands: none known			
					AHIMS: none affected			AHIMS: none affected				AHIMS: none affected			
					Unlisted sites: Options traverse culturally sensitive area near Hastings River.	Unlisted sites: Option traverses culturally sensitive area near Hastings River. Possible artefact scatter in vicinity of this option.	Unlisted sites: Option traverses culturally sensitive area near Hastings River. Possible artefact scatter in vicinity of this option.	Unlisted sites: nil known				Unlisted sites: nil known	Unlisted sites: potential Bora	Unlisted sites: nil known	
					Non-Indigenous: nil known			Non-Indigenous : nil impacted	Non-Indigenous: nil known				Non-Indigenous: nil known Maria River bridge (northbound) – potential State significance		
LAND USE – PRODUCTIVE LAND	6.5.4	Comparatively, what is the area of productive land lost as a result of the option?	Measured as direct area (hectares) of productive land acquired for the option. - LEP	Productive land is defined as: Agricultural land zoned for rural or horticultural purposes under an LEP and State Forest – estate mapped as Zone 3, 4, 5 or 6 by Forests NSW.	B:82.8. G/P:86.6	80	76	83	97	96	79	11	32	94	94
					FMZ	B:7.4. G/P:8.4	14	10	9	9	13	12	9	29	33
			TOTAL		95	94	85	92	106	109	91	20	62	127	124

**Document Review**

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**Document Approval**

Position	Name	Signature	Date
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