

Planning, Design and Development Phase

	PREFERRED ALTERNATIVE	NO-GO OPTION
	AQUATIC IMPACTS	
Potential impact and risk:	Aquatic habitat loss/modification and temporary flow and water quality impacts	Status quo remains. No aquatic habitat loss, modification and water quality impacts.
Nature of impact:	Negative impact Aquatic habitat loss, modification and water quality impacts associated with the Construction Phase of the pipeline.	No impact
Extent and duration of impact:	Short and longer-term and Site Specific	N/A
Consequence of impact or risk:	The impact will result in a localised disturbance and loss of degraded aquatic habitat during Construction Phase.	N/A
Probability of occurrence:	Highly probable	N/A
Degree to which the impact may cause irreplaceable loss of resources:	Marginal loss	N/A
Degree to which the impact can be reversed:	Partly reversible	N/A
Indirect impacts:	None identified	N/A
Cumulative impact prior to mitigation:	Medium to Low	No impact.
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Medium to Low Negative	No impact.
Degree to which the impact can be avoided:	Moderate	N/A
Degree to which the impact can be managed:	Moderate	N/A
Degree to which the impact can be mitigated:	Moderate to high	N/A
Proposed mitigation:	See BAR.	None required
Residual impacts:	Low The residual impacts are limited to localised habitat modification or loss	N/A
Cumulative impact post mitigation:	Low negative	No impact
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low Negative	No impact

Operation Phase Impacts

	PREFERRED ALTERNATIVE	NO-GO OPTION
AQUATIC IMPACTS		
Potential impact and risk:	Possible habitat and water quality impacts	
Nature of impact:	Negative impact	No impact
Extent and duration of impact:	Site Specific, Local and Long-term	N/A
Consequence of impact or risk:	The impact will result in the localised degradation of aquatic integrity if not adequately monitored and managed.	N/A
Probability of occurrence:	Probable	N/A
Degree to which the impact may cause irreplaceable loss of resources:	Marginal loss	N/A
Degree to which the impact can be reversed:	Partly reversible	N/A
Indirect impacts:	Potential of increased disturbance of aquatic habitat due to need to maintain pipeline.	N/A
Cumulative impact prior to mitigation:	Low negative	No impact
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Medium to Low negative	No impact
Degree to which the impact can be avoided:	Moderate	N/A
Degree to which the impact can be managed:	Moderate	N/A
Degree to which the impact can be mitigated:	Moderate	N/A
Proposed mitigation:	See BAR	N/A
Residual impacts:	Low The residual impacts are limited to no habitat modification or loss.	N/A
Cumulative impact post mitigation:	Low	N/A
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low negative	N/A

	PREFERRED ALTERNATIVE	NO-GO OPTION
TRAFFIC IMPACTS		
Potential impact and risk:	Positive traffic impact	Status quo remains: safety risk on R321
Nature of impact:	The new access point will have a positive impact for farm workers accessing the orchard.	Status quo will remain and safety risk on R321 will prevail.
Extent and duration of impact:	Local and long-term	Local and long-term
Consequence of impact or risk:	Increased safety for accessing the farm.	Safety risk on R321 for farm workers and commuters
Probability of occurrence:	Definite	Probable
Degree to which the impact may cause irreplaceable loss of resources:	No loss.	No loss.
Degree to which the impact can be reversed:	Not required.	N/A
Indirect impacts:	None identified.	N/A
Cumulative impact prior to mitigation:	No cumulative impact	No cumulative impact.
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Medium positive	Medium negative.
Degree to which the impact can be avoided:	Not required.	Low
Degree to which the impact can be managed:	High	No management
Degree to which the impact can be mitigated:	Not required.	No mitigation
Proposed mitigation measures:	No mitigation applies.	No mitigation
Residual impacts:	None identified.	None
Cumulative impact post mitigation:	Medium positive	Medium negative.
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Medium positive	Medium negative.