

## Seaview and Greenbushes Bulk Water

Impacts		Construction/ Option 1		Operational		No-Go
		Without Mitigation	With Mitigation	Without Mitigation	With Mitigation	
1a. Solid Waste Management	Significance	Very Low	-2	Insignificant	-1	
	Extent	Local: Confined to	1	Local: Confined	1	
	Intensity	Low: Negligibly alt	1	Low: Negligibly	1	
	Duration	Short-term (< 2 ye	1	Short-term (< 2	1	
	Consequence		3		3	
	Probability	Definite (> 90% ch	3	Possible (40% -	1	
	Status	Negative	-1	Negative	-1	
	Confidence	High		High		
1b. Sewage Management	Significance	Very Low	-2	Insignificant	-1	
	Extent	Local: Confined to	1	Local: Confined	1	
	Intensity	Low: Negligibly alt	1	Low: Negligibly	1	
	Duration	Short-term (< 2 ye	1	Short-term (< 2	1	
	Consequence		3		3	
	Probability	Probable (> 70% -	2	Improbable (<	0	
	Status	Negative	-1	Negative	-1	
	Confidence	High		High		
1c. Hazardous Substances and Waste Management	Significance	Very Low	-2	Insignificant	-1	
	Extent	Local: Confined to	1	Local: Confined	1	
	Intensity	Medium: Function	2	Medium: Funct	2	
	Duration	Short-term (< 2 ye	1	Short-term (< 2	1	
	Consequence		4		4	
	Probability	Probable (> 70% -	2	Improbable (<	0	
	Status	Negative	-1	Negative	-1	
	Confidence	High		High		
2a. Noise Impacts	Significance	Very Low	-2	Very Low	-2	
	Extent	Local: Confined to	1	Local: Confined	1	
	Intensity	Medium: Function	2	Medium: Funct	2	
	Duration	Short-term (< 2 ye	1	Short-term (< 2	1	
	Consequence		4		4	
	Probability	Definite (> 90% ch	3	Probable (> 70	2	
	Status	Negative	-1	Negative	-1	
	Confidence	High		High		
2b. Impacts on Air Quality	Significance	Very Low	-2	Insignificant	-1	
	Extent	Local: Confined to	1	Local: Confined	1	
	Intensity	Medium: Function	2	Medium: Funct	2	
	Duration	Short-term (< 2 ye	1	Short-term (< 2	1	
	Consequence		4		4	
	Probability	Definite (> 90% ch	3	Possible (40% -	1	
	Status	Negative	-1	Negative	-1	
	Confidence	High		High		
3a. Impacts on Archaeological Heritage	Significance	Low	-3	Very Low	-2	
	Extent	Local: Confined to	1	Local: Confined	1	
	Intensity	Medium: Function	2	Low: Negligibly	1	
	Duration	Long-term (>15 ye	3	Long-term (>15	3	
	Consequence		6		5	
	Probability	Possible (40% - 70	1	Possible (40% -	1	
	Status	Negative	-1	Negative	-1	
	Confidence	Medium		Medium		
3b. Heritage Historical Impacts		Not rated		Not rated		
3c. Impacts on Palaeontological Heritage	Significance	Low	-3	Very Low	-2	
	Extent	Local: Confined to	1	Local: Confined	1	
	Intensity	Medium: Function	2	Low: Negligibly	1	
	Duration	Long-term (>15 ye	3	Long-term (>15	3	
	Consequence		6		5	
	Probability	Possible (40% - 70	1	Possible (40% -	1	
	Status	Negative	-1	Negative	-1	
	Confidence	Medium		Medium		
4a. Loss of Vegetation and Habitat	Significance	Low	-3	Low	-3	
	Extent	Local: Confined to	1	Local: Confined	1	
	Intensity	Medium: Function	2	Medium: Funct	2	
	Duration	Medium-term (2 t	2	Medium-term	2	
	Consequence		5		5	
	Probability	Definite (> 90% ch	3	Probable (> 70	2	
	Status	Negative	-1	Negative	-1	
	Confidence	High		High		
Option 1	Significance	Low	-3	Insignificant	-1	





8. Traffic Safety	Significance	Low	-3	Very Low	-2						
	Extent	Local: Confined to	1	Local: Confined	1						
	Intensity	High: Severely alte	3	Low: Negligibly	1						
	Duration	Short-term (< 2 ye	1	Short-term (< 2	1						
	Consequence		5		3						
	Probability	Definite (> 90% ch	3	Probable (> 70%	2						
	Status	Negative	-1	Negative	-1						
	Confidence	High		High							
9a. Job Creation and Skills Development	Significance	Low	3	Low	3						
	Extent	Regional: may be c	2	Regional: may	2						
	Intensity	Medium: Function	2	Medium: Funct	2						
	Duration	Short-term (< 2 ye	1	Short-term (< 2	1						
	Consequence		5		5						
	Probability	Probable (> 70% -	2	Definite (> 90%	3						
	Status	Positive	1	Positive	1						
	Confidence	High		High							
9b. Damage and/or Interruption of Services	Significance	Low	-3	Insignificant	-1						
	Extent	Regional: may be c	2	Regional: may	2						
	Intensity	High: Severely alte	3	Low: Negligibly	1						
	Duration	Short-term (< 2 ye	1	Short-term (< 2	1						
	Consequence		6		4						
	Probability	Possible (40% - 70	1	Possible (40% -	1						
	Status	Negative	-1	Negative	-1						
	Confidence	High		High							
9c. Landowner Issues	Significance	Low	-3	Insignificant	-1						
	Extent	Local: Confined to	1	Local: Confined	1						
	Intensity	High: Severely alte	3	Low: Negligibly	1						
	Duration	Short-term (< 2 ye	1	Short-term (< 2	1						
	Consequence		5		3						
	Probability	Probable (> 70% -	2	Possible (40% -	1						
	Status	Negative	-1	Negative	-1						
	Confidence	Medium		Medium							
9d. Deterioration of Existing Roads	Significance	Low	-3	Very Low	-2						
	Extent	Local: Confined to	1	Local: Confined	1						
	Intensity	Medium: Function	2	Low: Negligibly	1						
	Duration	Long-term (>15 ye	3	Long-term (>15	3						
	Consequence		6		5						
	Probability	Possible (40% - 70	1	Improbable (<	0						
	Status	Negative	-1	Negative	-1						
	Confidence	Medium		Medium							
1. Loss of water	Significance			Low	-3	Insignificant	-1				
	Extent			Regional: may	2	Regional: may	2				
	Intensity			Medium: Fun	2	Low: Negligibl	1				
	Duration			Short-term (<	1	Short-term (<	1				
	Consequence				5		4				
	Probability			Probable (> 7	2	Improbable (<	0				
	Status			Negative	-1	Negative	-1				
	Confidence			High		High					
2. Safety Issues related to inadequate servitude maintenance	Significance			Very Low	-2	Insignificant	-1				
	Extent			Local: Confine	1	Local: Confine	1				
	Intensity			Medium: Fun	2	Low: Negligibl	1				
	Duration			Short-term (<	1	Short-term (<	1				
	Consequence				4		3				
	Probability			Probable (> 7	2	Possible (40%	1				
	Status			Negative	-1	Negative	-1				
	Confidence			High		High					
3. Improved Water Supply Security	Significance			High	5	High	5	High	-5		
	Extent			Regional: may	2	Regional: may	2	Regional: r	2		
	Intensity			Medium: Fun	2	Medium: Funct	2	Medium: F	2		
	Duration			Long-term (>1	3	Long-term (>1	3	Long-term	3		
	Consequence				7		7		7		
	Probability			Definite (> 90	3	Definite (> 90	3	Definite (>	3		
	Status			Positive	1	Positive	1	Negative	-1		
	Confidence			High		High		High			
4. Potential Visual Impacts	Significance			Very Low	-2	Very Low	-2				
	Extent			Local: Confine	1	Local: Confine	1				
	Intensity			Low: Negligib	1	Low: Negligibl	1				
	Duration			Long-term (>1	3	Long-term (>1	3				
	Consequence				5		5				
	Probability			Possible (40%	1	Improbable (<	0				
	Status			Negative	-1	Negative	-1				
	Confidence			High		High					

5a. Sedimentation into wetlands	Significance				Low	-3	Very Low	-2		
	Extent				Local: Confined	1	Local: Confined	1		
	Intensity				Low: Negligible	1	Low: Negligible	1		
	Duration				Long-term (>10 years)	3	Long-term (>10 years)	3		
	Consequence					5		5		
	Probability				Probable (> 70%)	2	Improbable (< 40%)	0		
	Status				Negative	-1	Negative	-1		
	Confidence				High		High			
5b. Potential wetland hydrology alteration	Significance				Low	-3	Very Low	-2		
	Extent				Local: Confined	1	Local: Confined	1		
	Intensity				Low: Negligible	1	Low: Negligible	1		
	Duration				Long-term (>10 years)	3	Long-term (>10 years)	3		
	Consequence					5		5		
	Probability				Probable (> 70%)	2	Improbable (< 40%)	0		
	Status				Negative	-1	Negative	-1		
	Confidence				High		High			
6. Local Job creation	Significance				Low	3	Medium	4		
	Extent				Regional: may be defined in various ways, e.g. (Inter) national: Nationally or beyond	2	Regional: may be defined in various ways, e.g. (Inter) national: Nationally or beyond	2		
	Intensity				Low: Negligible	1	Low: Negligible	1		
	Duration				Long-term (>10 years)	3	Long-term (>10 years)	3		
	Consequence					6		6		
	Probability				Possible (40% - 70% chance of occurring)	1	Probable (> 70%)	2		
	Status				Positive	1	Positive	1		
	Confidence				High		High			
No-go: Continuation of status quo	Significance				High	-5	Insignificant	-1		
	Extent				Regional: may be defined in various ways, e.g. (Inter) national: Nationally or beyond	2	Regional: may be defined in various ways, e.g. (Inter) national: Nationally or beyond	2		
	Intensity				High: Severely altered functions or processes	3	Low: Negligible	1		
	Duration				Long-term (>10 years)	3	Short-term (< 2 years)	1		
	Consequence					8		4		
	Probability				Improbable (< 40% chance of occurring)	0	Improbable (< 40%)	0		
	Status				Negative	-1	Negative	-1		
	Confidence				High		High			

#### Impact Rating Lists

<b>A. Spatial extent</b>	
None	0
Local: Confined to project or study area or part of it	1
Regional: may be defined in various ways, e.g. (Inter) national: Nationally or beyond	2
(Inter) national: Nationally or beyond	3

<b>B. Intensity</b>	
None	0
Low: Negligibly altered functions & processes	1
Medium: Functions and processes continue in modified form	2
High: Severely altered functions or processes	3

<b>C. Duration</b>	
None	0
Short-term (< 2 years)	1
Medium-term (2 to 15 years)	2
Long-term (>15 years)	3

<b>Probability</b>	
Improbable (< 40% chance of occurring)	0
Possible (40% - 70% chance of occurring)	1
Probable (> 70% - 90% chance of occurring)	2
Definite (> 90% chance of occurring)	3

<b>Status of Impact</b>	
Positive	1
Negative	-1

<b>Consequence Rating (A+B+C)</b>	
Not significant	0 – 2
Very low	3 – 4
Low	5
Medium	6
High	7
Very high	8 – 9

Significance Rating	Possible Impact Combinations
	Consequence
Insignificant	Very Low
n/a	Very Low
Very Low	Very Low
	Very Low
	Low
	Low
Low	Low
	Low
	Medium
	Medium
Medium	Medium
	Medium
	High
	High
High	High
	High
	Very High
	Very High
Very High	Very High
	Very High