

### Baird.

**Shire of Murray CHRMAP** 

Coastal Hazard Risk Management and Adaptation Plan

13064.101.R8.RevA Appendix D

#### **D.1 Vulnerability – Erosion**

# Baird.

**Shire of Murray CHRMAP** 

Coastal Hazard Risk Management and Adaptation Plan

13064.101.R8.RevA Appendix D

						Likelih	ood Category			Erosion Ri	isk Rating		Vulnera	bility - Incl	. Adaptive	Capacity
SMU	Description	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
1	Beach areas	Environmental	Major	Average	Possible	Likely	Almost Certain	Almost Certain	Н	Н	Е	Е	Н	Н	VH	VH
1	Foreshore Nature Reserve	Environmental	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	M	π	Н	Н
1	Harvey Drain	Environmental	Minor	Good	Possible	Likely	Almost Certain	Almost Certain	М	М	М	М	L	L	L	L
1	Kooljerrenup Nature Reserve	Environmental	Major	Average	Possible	Likely	Almost Certain	Almost Certain	Н	Н	Е	Е	Н	Η	VH	VH
1	Herron Point Camping Ground	Social	Moderate	Average	Rare	Unlikely	Possible	Almost Certain	L	М	М	Н	L	М	М	Н
1	Herron Point Foreshore	Social	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	M	H	Н	Н
1	Coastal Pathways / Bridle Paths	Social	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	M	π	Н	Н
1	Carpark at Herron Boat Ramp	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	Н	VH	VH	VH
1	Herron Point Boat Ramp	City Infrastructure	Moderate	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	H	Н	Н
1	Herron Point Reserve Camping Ground Toilet / Showers	City Infrastructure	Minor	Poor	Rare	Rare	Unlikely	Possible	L	L	L	M	M	М	М	Н
1	Infrastructure (Signage, shelters, fencing)	City Infrastructure	Insignificant	Good	Possible	Likely	Almost Certain	Almost Certain	Ĺ	Ĺ	М	М	Ĺ	Ĺ	L	Ĺ
1	Herron Point Road, Roads in Campground	City Infrastructure	Moderate	Poor	Rare	Unlikely	Possible	Likely	L	М	М	Н	M	Н	Н	VH

						Likeliho	ood Category			Erosion R	isk Rating		Vulnera	bility - Incl	l. Adaptive (	Capacity
SMU	Description	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
2	Beach areas	Environmental	Major	Average	Possible	Likely	Almost Certain	Almost Certain	Н	Н	Е	Е	Н	Н	VH	VH
2	Foreshore Nature Reserve	Environmental	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
2	Lake McLarty and McLarty Nature Reserve	Environmental	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
2	Lake Mealup and Mealup Point Nature Reserve	Environmental	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
2	Foreshore Reserve at Birchmont Boat Ramp	Social	Moderate	Average	Unlikely	Possible	Likely	Almost Certain	M	M	Н	Н	M	М	Н	Н
2	Coastal Pathways / Bridle Paths	Social	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
2	Residential Properties	Private Asset	Major	Poor	Rare	Rare	Unlikely	Possible	L	L	M	Н	M	M	Н	VH
2	Carpark at Birchmont Boat Ramp	City Infrastructure	Moderate	Poor	Rare	Unlikely	Possible	Almost Certain	L	M	M	Н	M	Н	Н	VH
2	Birchmont Boat Ramp	City Infrastructure	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
2	Infrastructure (signage, fencing, bus shelter)	City Infrastructure	Minor	Good	Unlikely	Possible	Likely	Almost Certain	L	M	M	M	L	L	L	L
2	Drainage features (NOT Impacted by Erosion)	City Infrastructure	Moderate	Poor	Rare	Rare	Rare	Rare	L	L	L	L	M	M	M	M
	Roads (Birch Drive, Mills Rd, Pioneer Place, Numbat Place, Kangaroo Loop)	City Infrastructure	Moderate	Poor	Rare	Rare	Unlikely	Possible	L	L	М	М	М	М	Н	Н

						Likelih	ood Category			Erosion R	isk Rating		Vulnera	bility - Incl	. Adaptive	Capacity
SMU	Description	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
3	Beach area	Environmental	Major	Average	Possible	Likely	Almost Certain	Almost Certain	Н	Н	Е	Е	Н	Н	VH	VH
3	Foreshore Reserve	Social	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	H	M	Н	Н	Н
3	Austin Bay Nature Reserve	Environmental	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	М	Н	Н	Н
3	Foreshore Reserve	Social	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	М	Н	Н	Н
3	Coastal Pathways / Bridle Paths	Social	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	H	M	Н	Н	Н
3	Residential Properties	Private Asset	Major	Poor	Rare	Rare	Unlikely	Possible	L	L	M	Η	M	M	Н	VH
3	Agricultural Properties	City Infrastructure	Moderate	Poor	Rare	Unlikely	Possible	Almost Certain	L	M	M	Н	М	Н	Н	VH
3	Minor Infrastructure (signage, fencing)	City Infrastructure	Minor	Good	Possible	Likely	Almost Certain	Almost Certain	М	M	M	М	L	L	L	L
3	Drainage features	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Η	Н	VH	VH	VH
3	Roads (Carabunga Road).	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	Н	VH	VH	VH

Mode   Part							Likelihoo	d Category			Erosion R	Risk Rating		Vulnera	ability - Incl	. Adaptive	Capacity
Austrian Parker Receive	SMU	Description	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
A Statistic Quartey Westerland	4	Beach area - Peel Inlet facing beach Batavia Quays	Environmental	Major	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Е	E	Е	Н	VH	VH	VH
A Bassiva Cuspy Nettland	4	Riverbank - Murray River	Environmental	Major	Average	Possible	Likely	Almost Certain	Almost Certain	Н	H	Е	E	Н	Н	VH	VH
A standard Carpy Freedinger Feature - And Sulphanks Gainster   Marger   Poor   Rare   Rare   Unikely   Possible   L   L   M   H   M   M   M   M   M   M   M   M	4	Austin Bay Nature Reserve	Environmental	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	H	Н	Н	М	Н	Н	Н
A   Costal Pathway - Bund in Front of South Yunderup Canal Bund - Where Quality Management   Moderate   Average   Fare   Rare   Unilively   Prosible   L   L   M   M   L   L   M   M   M   L   L	4	Batavia Quays Wetland	Environmental	Moderate	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	H	Н	Н	Н	Н	Н	Н
Costal Pathway - Bund in Front of South Yunderup canals	4	Batavia Quays Headland Feature - Acid Sulphate Soil Site	Environmental	Major	Poor	Likely	Almost Certain	Almost Certain	Almost Certain	Н	E	Е	E	VH	VH	VH	VH
Coastal Pathway - Welghal Crescere Path    City Infrastructure   Moderate   Moverage   Rare   Uniblely   Possible   L   L   M   M   L   L   M   M   M   L   L	4	South Yunderup Canal Bund - Water Quality Management	Environmental	Major	Poor	Rare	Rare	Unlikely	Possible	L	L	M	Н	М	M	Н	VH
Centernary Paris) Contain Paris Paris Contain Pa	4	Coastal Pathway - Bund in front of South Yunderup canals	City Infrastructure	Moderate	Average	Rare	Rare	Unlikely	Possible	L	L	М	М	L	L	М	М
Centerary Park) Coastal Pathways Murry (Tathum Rd, Rivergum Esplanade, Capturing Weet (Tathum Rd, Rivergum) Coastal Pathways Murry (Tathum Rd, Rivergum) Coastal Pathways Murry (Tathum Rd, Rivergum) Coastal Pathways Murry (Tathum Rd, Rivergum) Coastal Pathways Marry Weet (Tathum Rd, Rd) Coastal P	4	Coastal Pathway - Wellya Crescent Park)	City Infrastructure	Moderate	Average	Rare	Rare	Unlikely	Possible	L	L	М	М	L	L	M	М
Castal Pathways Batavia Quays Headland   City Infrastructure   Moderate   Poor   Possible   Likely   Almost Certain   Almos	4	Foreshore Reserve (Tatham Rd, Rivergum Esplanade,	,	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	н	Н	Н	М	н	Н	Н
A Residential Properties South Yunderup Canal Estate Residential Properties Warma Way to Yunge Rd Residential Properties	4	Esplanade)	City Infrastructure	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain		н	Н	Н	М	н	Н	н
Residential Properties Batavia Quay A Residential Properties Warma Way to Young Rd A Residential Properties Varing Rd to Strain Glen A Residential Properties Varing Rd Caravan Park A Private Asset A Moderate A Average A Varing A Moderate A Average A Average A Varing A Moderate A Average A Averag	4									M	Н						
Circuit   Private Asset   Major   Poor   Nare   Mare   Unilively   Possible   L. M. N.	4	Residential Properties South Yunderup Canal Estate	Private Asset	Major	Poor	Rare	Rare	Unlikely	Possible	L	L	M	Н	M	M	Н	VH
4 Residential Properties Warma Way to Young Rd Private Asset Major Poor Rare Rare Unlikely Possible Likely Almost Certain M H H E H NY	4		Private Asset	Major	Poor	Rare	Rare	Unlikely	Possible	L	L	М	Н	М	М	Н	VH
4 Residential Properties Young Rd to Strain Glem 4 Residential Properties Young Rd to Strain Glem 5 Residential Properties Young Rd to Strain Glem 6 Residential Properties Policy 7 Residential Properties Policy 8 Residential Properties Policy 9 Residential R	4	Residential Properties Batavia Quay	Private Asset	Major	Poor	Possible	Likely	Almost Certain	Almost Certain	Н	Н	Е	Е	VH	VH	VH	VH
4 Residential Properties Pelican Rd, Banksia Terrace Private Asset Major Poor Unlikely Possible Likely Almost Certain Almost C	4	Residential Properties Warma Way to Young Rd	Private Asset	Major	Poor	Rare	Rare	Unlikely	Possible	L	L	М	Н	М	M	Н	VH
4 Tathams Caravan Park, Murray River Caravan Park 4 Jettles and Moorings along River Privately Held 5 Hettles and Moorings along River Privately Held 6 Private Asset 6 Minor 7 Average 7 Likely 7 Almost Certain 8 Almost Certain 8 Almost Certain 8 Almost Certain 8 M 8 M 8 M 8 M 8 M 8 M 8 M 8 M 8 M 8 M	4	Residential Properties Young Rd to Strain Glen	Private Asset	Major	Poor	Unlikely	Possible	Likely	Almost Certain	M	Н	Н	Е	Н	VH	VH	VH
4 Jetties and Moorings along River Privately Held Minor Roads (Rivergum Esplanade, Young Rd, Strain Glen, Pelican Rd, Banksia Teo) City Infrastructure Moderate Poor Unlikely Possible Likely Almost Certain Almost Certain Almost Certain M M M M M M M M M M M M M M M M M M M	4	Residential Properties Pelican Rd, Banksia Terrace	Private Asset	Major	Poor	Unlikely	Possible	Almost Certain	Almost Certain	M	Н	E	E	Н	VH	VH	VH
Minor Roads (Rivergum Esplanade, Young Rd, Strain Glen, 4 Pelican Rd, Banksia Tce) City Infrastructure Moderate Average Likely Almost Certain	4	Tathams Caravan Park, Murray River Caravan Park	Private Asset	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	H	Н	Н	М	H	Н	Н
4 Pelican Rd, Banksia Tce)  City Infrastructure  Moderate  Average  Likely  Almost Certain  Al	4	Jetties and Moorings along River Privately Held	Private Asset	Minor	Average	Likely	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	М	М	M	M
4 Boat Launch - Rivergum Esplanade Foreshore   City Infrastructure   Moderate   Average   Likely   Almost Certain   Almost Certain   Almost Certain   H   H   H   H   H   H   H   H   H	4	1	City Infrastructure	Moderate	Poor	Unlikely	Possible	Likely	Almost Certain	М	М	Н	Н	Н	н	VH	VH
4 Boat Launch - Rivergum Esplanade Foreshore   City Infrastructure   Moderate   Average   Likely   Almost Certain   Almost Certain   Almost Certain   H   H   H   H   H   H   H   H   H	4	Shire Jetties - Tatham Rd, Pelican Rd, Centenary Park	City Infrastructure	Moderate	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н
4 Batavia Quays Launch Facility City Infrastructure Moderate Average Likely Almost Certain Almost Certain Almost Certain H H H H H H H H H H H H H H H H H H H	4	Boat Launch - Rivergum Esplanade Foreshore	City Infrastructure	Moderate	_	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н
Batavia Quays Club Shed City Infrastructure Moderate Poor Rare Rare Unlikely Possible L L M M M M M H H H  Toilets - Batavia Quays City Infrastructure Minor Poor Rare Rare Unlikely Possible L L L M M M M M M H H  Toilets - Pelican Road City Infrastructure Minor Poor Unlikely Possible Likely Almost Certain L M M M M M M H H H H  Car Park - Batavia Quays City Infrastructure Moderate Poor Possible Likely Almost Certain Almost Certain M H H H H H H H H H H H H H H H H H H	4	ů i			_	•				Н	Н	Н		Н	Н		Н
4 Toilets - Batavia Quays City Infrastructure Minor Poor Rare Rare Unlikely Possible Likely Almost Certain Almost Certain L M M M M M H H H H H H H H H H H H H H	4	Batavia Quays Club Shed			_					L	L	М	М	М	М	Н	Н
4 Toilets - Pelican Road City Infrastructure Minor Poor Unlikely Possible Likely Almost Certain M H H H H H H H H H H H H H H H H H H	4	Toilets - Batavia Quays					Rare			L	L	L	М	М	М	М	Н
4 Car Park - Rivergum Esplanade Foreshore City Infrastructure Moderate Poor Possible Likely Almost Certain Almost Certain M H H H H H H H H H H H H H H H H H H	4	Toilets - Pelican Road		Minor		Unlikely	Possible			L	M	М	М	М	Н	Н	Н
4 Car Park - Centenary Park City Infrastructure Moderate Poor Unlikely Possible Likely Almost Certain Almost Certain M H H H H H H H H H H H H H H H H H H	4	Car Park - Batavia Quays	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	Н	VH	VH	VH
4 Car Park - Pelican Road City Infrastructure Moderate Poor Unlikely Possible Likely Almost Certain M M H H H H H H H H H H H H H H H H H	4	Car Park - Rivergum Esplanade Foreshore	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	Н	VH	VH	VH
4 Park Furniture - Centenary Park	4	Car Park - Centenary Park	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	Н	VH	VH	VH
4 Playground Equipment - Centenary Park City Infrastructure Minor Average Unlikely Possible Likely Almost Certain L M M M M L L L L M M M M M L L L L M M M M M L L L L M M M M M L L L L L M M L L L L M	4	Car Park - Pelican Road	City Infrastructure	Moderate	Poor	Unlikely	Possible	Likely	Almost Certain	М	М	Н	Н	Н	Н	VH	VH
4 Park Furniture- Wellya Crescent Park	4	Park Furniture - Centenary Park	City Infrastructure	Minor	Average	Unlikely	Possible	Likely	Almost Certain	L	M	M	М	L	M	M	M
4 Playground Equipment - Wellya Crescent Park City Infrastructure Minor Average Unlikely Possible Likely Almost Certain Unlikely Unlikely Almost Certain Unlikely Almost Certain Unlikely Almost Certain Unlikely Unlikely Almost Certain Unlikely Almost Certain Unlikely Almost Certain Unlikely Almost Certain Unlikely Unlikely Almost Certain Unlikely Almost Certain Unlikely Almost Certain Unlikely Unlikely Almost Certain Unlikely Unlikely Almost Certain Unlikely Almost Certain Unlikely Unlikely Almost Certain Unlikely Unlikely Unlikely Almost Certain Unlikely Unlike	4	Playground Equipment - Centenary Park	City Infrastructure	Minor	_	Unlikely	Possible	Likely	Almost Certain	L	М	М	М	L	М	M	M
4 Playground Equipment - Wellya Crescent Park  City Infrastructure  Minor Average Rare Rare Unlikely Possible Likely Almost Certain  Playground Equipment - Pelican Rd Park  City Infrastructure  Minor Average Unlikely Possible Likely Almost Certain  Unlikely Possible Likely Almost Certain  Almost Certain  M M M M L M M M M M M M M M M M M M M	4	Park Furniture- Wellya Crescent Park	City Infrastructure	Minor	Average	Rare	Rare	Unlikely	Possible	L	L	L	М	L	L	L	M
4 Park Furniture - Pelican Rd Park 4 Playground Equipment - Pelican Rd Park 5 City Infrastructure Minor Average Unlikely Possible Likely Almost Certain L M M M M L M M M M M M M M M M M M M	4	Playground Equipment - Wellya Crescent Park		Minor	_	Rare	Rare	Unlikely		L	L	L	М	L	L	L	M
4 Playground Equipment - Pelican Rd Park  City Infrastructure  Minor  Average  Unlikely  Possible  Likely  Almost Certain  M  M  M  M  M  M  M  M  M  M  M  M  M	4	· · · · · · · · · · · · · · · · · · ·		Minor	·	Unlikely	Possible			L	М	М	М	L	М	M	M
4 Park Furniture- South Yunderup Foreshore City Infrastructure Minor Average Possible Likely Almost Certain Almost Certain M M M M M M M M M M M M M M M M M M M	4	Playground Equipment - Pelican Rd Park	City Infrastructure					Likely		L	М		М	L	М	М	M
4 Minor Infrastructure (Signage, fencing, lighting, bus shelter) City Infrastructure Minor Good Possible Likely Almost Certain Almost Certain Almost Certain M M M M L L L L L Drainage features (pits, pipes, culverts) City Infrastructure Moderate Poor Possible Likely Almost Certain Almost Certain M H H H H VH VH VH	4	Park Furniture- South Yunderup Foreshore	City Infrastructure	Minor		Possible	Likely	Almost Certain	Almost Certain	M	М	М	М	М	М	M	M
4 Minor Infrastructure (Signage, fencing, lighting, bus shelter) City Infrastructure Minor Good Possible Likely Almost Certain Almost Certain Almost Certain M M M M L L L L L Drainage features (pits, pipes, culverts) City Infrastructure Moderate Poor Possible Likely Almost Certain Almost Certain M H H H H VH VH VH	4	Footpaths	City Infrastructure	Minor	Good	Unlikely	Possible	Likely	Almost Certain	L	М	М	М	L	L	L	L
4 Drainage features (pits, pipes, culverts) City Infrastructure Moderate Poor Possible Likely Almost Certain Almost Certain M H H H H VH VH VH	4	Minor Infrastructure (Signage, fencing, lighting, bus shelter)								M	М		М	L	L	L	L
	4			Moderate	Poor		Likely			М	Н	Н	Н	Н	VH	VH	VH
	4									М	Н	Н	Н	Н	VH	VH	VH

						Likelihood	Category			Erosion R	isk Rating		Vulnera	ability - Incl	. Adaptive	Capacity
SMU	Description	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
5	Beach - Peel Inlet facing beaches on Cooleenup, Meeyip,	Facility and set of	Main.	A	1 the dec	Almond Contain	Alexant Contain	Almont Contain		-	-	-		\ (I)	\/\	
5	Ballee, Woolgarook, Yunderup Islands	Environmental	Major	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	E	E	E	Н	VH	VH	VH
5	Riverbank - Delta Islands and Murray River	Environmental	Major	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Е	Е	Е	Н	VH	VH	VH
5	Nature Reserve, West end Yunderup Island	Environmental	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	М	Н	Н	Н
5	Ballee Island Wetland	Environmental	Moderate	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н
5	Foreshore Pathway - Culeenup Rd east of Towerup St	City Infrastructure	Moderate	Average	Unlikely	Possible	Likely	Almost Certain	M	M	Н	Н	M	M	Н	Н
5	Foreshore Reserve - Culeenup Rd east of Towerup St	Social	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	M	Н	Н	Н
5	Foreshore Reserve - Yunderup Island, Ballee Island, Cooleenup Island	Social	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	М	Н	Н	Н
5	Residential Properties North Yunderup, Culeenup Rd	Private Asset	Major	Poor	Possible	Likely	Almost Certain	Almost Certain	Н	Н	E	E	VH	VH	VH	VH
5	Residential Properties Thomasfield Pl, Ravenswood	Private Asset	Major	Poor	Rare	Unlikely	Possible	Likely	L	M	Н	Н	M	Н	VH	VH
5	Residential Properties Yunderup Island	Private Asset	Major	Poor	Rare	Unlikely	Possible	Likely	L	M	Н	Н	M	Н	VH	VH
5	Residential Properties Ballee Island	Private Asset	Major	Poor	Unlikely	Possible	Likely	Almost Certain	M	Н	Н	Е	Н	VH	VH	VH
5	Residential Properties Cooleenup Island	Private Asset	Major	Poor	Unlikely	Possible	Likely	Almost Certain	M	Н	Н	E	Н	VH	VH	VH
5	Jetties and Moorings along River Privately Held	Private Asset	Minor	Average	Likely	Almost Certain	Almost Certain	Almost Certain	M	M	М	M	M	M	M	M
5	Minor Roads (Culeenup Rd - Western end)	City Infrastructure	Moderate	Poor	Unlikely	Possible	Likely	Almost Certain	M	М	Н	Н	Н	Н	VH	VH
5	Major Roads (Forrest Highway) No Erosion	City Infrastructure	Major	Poor	Rare	Rare	Rare	Rare	L	L	L	L	М	М	M	M
	Shire Jetties - Culeenup Rd, Coopers Mill Precinct, North															
5	Yunderup Launch Facility. Swimming pontoon at swim	City Infrastructure	Moderate	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	н
	beach			_	•											
5	Boat Launch - North Yunderup Launch Facility	City Infrastructure	Moderate	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н
5	Toilets - Kingfisher Park (No Erosion Impact)	City Infrastructure	Minor	Poor	Rare	Rare	Rare	Rare	L	L	L	L	M	М	M	M
5	Toilets - Coopers Mill Precinct	City Infrastructure	Minor	Poor	Possible	Likely	Almost Certain	Almost Certain	M	M	M	M	Н	Н	Н	Н
5	Toilets - North Yunderup Launch Facility (No Erosion Impact)	City Infrastructure	Minor	Poor	Rare	Rare	Rare	Rare	L	L	L	L	М	М	М	М
5	Car Park - North Yunderup Launch Facility	City Infrastructure	Moderate	Poor	Rare	Unlikely	Possible	Likely	L	M	M	Н	M	Н	Н	VH
5	Park Furniture - North Yunderup Foreshore Reserve	City Infrastructure	Minor	Average	Unlikely	Possible	Likely	Almost Certain	L	M	М	М	L	М	M	M
5	Park Furniture- North Yunderup Launch Facility	City Infrastructure	Minor	Average	Rare	Rare	Unlikely	Possible	L	L	L	М	L	L	L	M
5	Park Furniture - Coopers Mill Precinct	City Infrastructure	Minor	Average	Possible	Likely	Almost Certain	Almost Certain	M	M	M	М	M	М	M	M
5	Playground Equipment - Coopers Mill Precinct	City Infrastructure	Minor	Average	Possible	Likely	Almost Certain	Almost Certain	М	M	М	М	M	М	M	M
5	Park Furniture- Kingfisher Park (No Erosion Impact)	City Infrastructure	Minor	Average	Rare	Rare	Rare	Rare	L	L	L	L	L	L	L	L
5	Playground Equipment - Kingfisher Park (No Erosion Impact)	City Infrastructure	Minor	Average	Unlikely	Possible	Likely	Almost Certain	L	М	М	М	L	М	М	М
5	Footpaths	City Infrastructure	Minor	Good	Unlikely	Possible	Likely	Almost Certain	L	M	M	M	L	L	L	L
5	Minor Infrastructure (Signage, fencing, lighting, bus shelter)	City Infrastructure	Minor	Good	Likely	Almost Certain	Almost Certain	Almost Certain	М	М	М	М	L	L	L	L
5	Drainage features (pits, pipes, culverts)	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	Н	VH	VH	VH
5	WaterCorp Infrastructure	Utilities	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	Н	VH	VH	VH
5	Coopers Mill	Cultural / Heritage	Major	Poor	Possible	Likely	Almost Certain	Almost Certain	Н	Н	Е	Е	VH	VH	VH	VH
5	Coopers Mill Caretakers House	Cultural / Heritage	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	M	Н	Н	Н

						Likeliho	od Category			Erosion R	isk Rating		Vulnera	ability - Incl	. Adaptive	Capacity
SMU	Description	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
6	Riverbank - Serpentine River	Environmental	Major	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Е	Е	Е	Н	VH	VH	VH
6	Foreshore Reserve - Furnissdale Foreshore	Social	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
	Residential Properties Riverside Drive along Furnissdale		Major	Door	Rare	Rare	Dara	Rare	L				М	М	М	М
6	Foreshore (No Erosion impacts)	Private Asset	Major	Poor	Raie	Rate	Rare	Rafe		L	L	L	IVI	IVI	IVI	IVI
	Residential Properties along Serpentine River, Tonkin Drive		Major	Poor	Unlikely	Possible	Likely	Almost Certain	М	Н	н	E	Н	VH	VH	VH
6	to Furnissdale Road	Private Asset	iviajor	P001	Utilikely	Possible	Likely	Almost Certain	IVI			-	п	VП	VП	VП
6	Residential Properties Riverside Drive Smith St to Paull St	Private Asset	Major	Poor	Rare	Unlikely	Possible	Likely	L	M	Н	Н	M	Н	VH	VH
6	Residential Properties Riverside Drive NE of Paull St	Private Asset	Major	Poor	Unlikely	Possible	Likely	Almost Certain	M	Н	Н	Е	Н	VH	VH	VH
6	Caravan Park (No Erosion Impact)	Private Asset	Moderate	Average	Rare	Rare	Rare	Rare	L	L	L	L	L	L	L	L
6	Riverglades Resort	Private Asset	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
6	Jetties and Moorings along River - Privately Held	Private Asset	Minor	Average	Likely	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	M	M	M	M
6	Minor Roads (Riverside Drive Near Smith St)	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	Н	VH	VH	VH
	Minor Roads ( Furnissdale Rd, Ronlyn Rd) No Erosion		Moderate	Poor	Rare	Rare	Rare	Rare	L			1	М	М	М	М
6	Impacts	City Infrastructure	Moderate	POOF	каге	каге	каге	Kare	L	L	L	L	IVI	IVI	IVI	IVI
6	Major Roads (Pinjarra Rd) No Erosion	City Infrastructure	Major	Poor	Rare	Rare	Rare	Rare	L	L	L	L	M	M	M	M
6	Shire Jetties - Furnissdale Launch Facility, Floating Jetty	City Infrastructure	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	М	Н	Н	Н	M	Н	Н	Н
6	Shire Jetties - Furnissdale Launch Facility, Timber Jetty	City Infrastructure	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
6	Shire Jetties - Tonkin Drive Foreshore Timber Jetty	City Infrastructure	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
6	Boat Ramp - Furnissdale Launch Facility	City Infrastructure	Moderate	Average	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	M	Н	Н	Н
6	Toilets - York Road (No Erosion Impacts)	City Infrastructure	Minor	Poor	Rare	Rare	Rare	Rare	L	L	L	L	M	M	M	M
6	Car Park - Furnissdale Launch Facility	City Infrastructure	Moderate	Poor	Unlikely	Possible	Likely	Almost Certain	M	M	Н	Н	Н	Н	VH	VH
6	Car Park - Riverside Drive	City Infrastructure	Moderate	Poor	Rare	Rare	Unlikely	Possible	L	L	M	M	M	M	Н	Н
6	Car Park - Tonkin Drive Foreshore	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	Н	VH	VH	VH
6	Car Park - Furnissdale Bridge Foreshore	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	Н	VH	VH	VH
	Park Furniture - Furnissdale Launch Facility Foreshore		A4:	A	Dalibak.	Possible	1.21 1	Almont Contain		М	М	М	1	М		М
6	Reserve	City Infrastructure	Minor	Average	Unlikely	Possible	Likely	Almost Certain	L	IVI	IVI	IVI	L	IVI	M	IVI
6	Playground Equipment - Furnissdale Foreshore	City Infrastructure	Minor	Average	Unlikely	Possible	Likely	Almost Certain	L	M	M	M	L	M	M	M
6	Park Furniture- York Road Park. No Erosion Impacts	City Infrastructure	Minor	Average	Rare	Rare	Rare	Rare	L	L	L	L	L	L	L	L
	Playground Equipment - York Road Park. No Erosion		Minor	A	D	D	Davis	D	1							
6	Impacts	City Infrastructure	Minor	Average	Rare	Rare	Rare	Rare		L	L	L				_
6	Footpaths	City Infrastructure	Minor	Good	Rare	Rare	Unlikely	Possible	L	L	L	M	L	L	L	L
				6 1	5 11	121 1										
6	Minor Infrastructure (Signage, fencing, lighting, bus shelter)	City Infrastructure	Minor	Good	Possible	Likely	Almost Certain	Almost Certain	M	M	M	M	L		L	L
6	Drainage features (pits, pipes, culverts)	City Infrastructure	Moderate	Poor	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Н	Н	VH	VH	VH
6	WaterCorp Infrastructure	Utilities	Moderate	Poor	Rare	Unlikely	Possible	Almost Certain	L	M	М	Н	М	Н	Н	VH
6	York Road Clubrooms and Sports Courts (No Erosion)	City Infrastructure	Moderate	Poor	Rare	Rare	Rare	Rare	L	L	L	L	М	М	М	М

### **D.2 Vulnerability Assessment - Inundation**

## Baird.

**Shire of Murray CHRMAP** 

Coastal Hazard Risk Management and Adaptation Plan

13064.101.R8.RevA Appendix D

		m AHD					Likeliho	od Category			Inundation	Risk Rating		Vulnera	bility - Incl.	. Adaptive	Capacity
SMU	Description	Elevation	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
1	Beach areas	0.7	Environmental	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
1	Foreshore Nature Reserve	1.2	Environmental	Minor	Good	Unlikely	Possible	Likely	Almost Certain	L	М	М	М	L	L	L	L
1	Harvey Drain	0.5	Environmental	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	М	М	L	L	L	L
1	Kooljerrenup Nature Reserve	1.2	Environmental	Major	Average	Unlikely	Possible	Likely	Almost Certain	М	Ι	Ι	Е	M	Н	Н	VH
1	Herron Point Camping Ground	1.4	Social	Minor	Average	Unlikely	Unlikely	Possible	Almost Certain	L	L	М	М	L	L	M	M
1	Herron Point Foreshore	1.1	Social	Minor	Good	Possible	Possible	Almost Certain	Almost Certain	М	М	М	М	L	L	L	L
1	Coastal Pathways / Bridle Paths	1.2	Social	Minor	Good	Unlikely	Possible	Likely	Almost Certain	L	М	М	М	L	L	L	L
1	Agricultural Properties	2.2	Private Asset	Minor	Good	Rare	Rare	Rare	Unlikely	L	L	L	L	L	L	L	L
1	Carpark at Herron Boat Ramp	0.95	City Infrastructure	Minor	Good	Likely	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	L	Т	L	L
1	Herron Point Boat Ramp	0.5	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
1	Herron Point Reserve Camping Ground Toilet / Showers	2.4	City Infrastructure	Minor	Average	Rare	Rare	Rare	Rare	L	L	L	L	L	L	L	L
1	Infrastructure (Signage, shelters, fencing)	0.8	City Infrastructure	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	M	M	M	Ĺ	Ĺ	L	L
1	Roads in Campground	1.2	City Infrastructure	Moderate	Average	Unlikely	Possible	Likely	Almost Certain	М	M	Н	Н	M	М	Н	Н
1	Herron Point Road	1.1	City Infrastructure	Moderate	Average	Possible	Possible	Almost Certain	Almost Certain	М	M	Н	Н	M	М	Н	Н

_		m AHD					Inundatio	ı Likelihood			Inundation	Risk Rating	3	Vulnera	bility - Incl	l. Adaptive	Capacity
SMU	Description	Elevation	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
2	Beach areas	0.5	Environmental	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	M	M	M	L	L	L	L
2	Foreshore Nature Reserve	1.2	Environmental	Minor	Good	Unlikely	Possible	Likely	Almost Certain	L	M	M	M	L	L	L	L
2	Lake McLarty	1.5	Environmental	Major	Poor	Rare	Unlikely	Unlikely	Almost Certain	L	М	M	Е	М	Н	Н	VH
2	Lake Mealup	1.5	Environmental	Major	Poor	Rare	Unlikely	Unlikely	Almost Certain	L	M	M	Е	M	Н	Н	VH
2	Foreshore Reserve at Birchmont Boat Ramp	1.1	Social	Minor	Good	Possible	Possible	Almost Certain	Almost Certain	М	M	M	M	L	L	L	L
2	Coastal Pathways / Bridle Paths	1.1	Social	Minor	Good	Possible	Possible	Almost Certain	Almost Certain	М	M	M	M	L	L	L	L
2	Residential Properties	1.1	Private Asset	Moderate	Average	Possible	Possible	Almost Certain	Almost Certain	М	M	Н	Н	М	M	Н	Н
2	Carpark at Birchmont Boat Ramp	1.6	City Infrastructure	Minor	Good	Rare	Rare	Unlikely	Almost Certain	L	L	L	M	L	L	L	L
2	Birchmont Boat Ramp	0.5	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	Г	L	L	L
2	Infrastructure (signage, fencing, bus shelter)	1.2	City Infrastructure	Insignificant	Good	Unlikely	Possible	Likely	Almost Certain	L	L	L	M	L	L	L	L
2	Drainage features	5	City Infrastructure	Moderate	Average	Rare	Rare	Rare	Rare	L	L	L	L	L	L	L	L
2	Roads (Birch Drive, Mills Rd, Pioneer Place, Numbat Place, Kangaroo Loop)	1.5	City Infrastructure	Moderate	Average	Rare	Unlikely	Unlikely	Almost Certain	L	M	М	Н	L	М	М	н

		m AHD					Likelihood C	ategory		ı	nundation	Risk Rating	3	Vulnera	bility - Incl	. Adaptive	Capacity
SMU	Description	Elevation	General Cat.	General	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
3	Beach area	0.5	Environmental	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	М	M	M	L	L	L	L
3	Foreshore Reserve	0.7	Social	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	М	M	L	L	L	L
3	Austin Bay Nature Reserve	1.1	Environmental	Minor	Good	Possible	Possible	Almost Certain	Almost Certain	М	М	М	M	L	L	L	L
3	Robert Bay Swamp	1.2	Environmental	Major	Poor	Unlikely	Possible	Likely	Almost Certain	M	Н	Н	Е	Н	VH	VH	VH
3	Coastal Pathways / Bridle Paths	0.8	Social	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	M	M	L	L	L	L
3	Agricultural Properties	2.2	Private Asset	Moderate	Average	Rare	Rare	Rare	Unlikely	Г	L	L	M	L	L	L	M
3	Agricultural Land	1.4	Private Asset	Minor	Good	Unlikely	Unlikely	Possible	Almost Certain	L	L	M	M	L	L	L	L
3	Minor Infrastructure (signage, fencing)	0.6	City Infrastructure	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	М	M	L	L	L	L
3	Drainage features	0.6	City Infrastructure	Moderate	Average	Almost Certain	Almost Certain	Almost Certain	Almost Certain	Н	Н	Η	Н	Н	Н	Н	Н
3	Roads (Carabunga Road).	0.7	City Infrastructure	Moderate	Average	Almost Certain	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н

Montparing   Mon			m AHD	1				Likelihoo	d Category		1	Inundation	Dick Pating	,	Vulners	ability - Inc	Adantivo	Canacity
Marchan Marchan (1997)   Marchan Marchan (1997)   March	CMII	Description		Conoral Cat	Concoguence	Adaptive Can	2020			2120	2020							
Amonthers Agriculture Services   1.5   Amonther Services   1.5   Amo	SIVIU				•										2030	2050	2070	2120
A Statistic Regiment Regiment   13	4	ů ,														-	L	-
Best Charge Notifices															- 1	- 1		
Bases Class (Perfect And Supplies Polices   Perfect		,													- 1	- 1		-
Second of the ordinary Association   Assoc	-4			Environmental	msignincant	doou	Almost Certain	Allifost Certain	Allifost Certain	Alliost Certain					L		L	
A Constant Perhaps - John Front Stand Providers Constant   March   M	4		2.4	Environmental	Catastrophic	Poor	Rare	Rare	Rare	Rare	M	M	M	M	Н	Н	H	Н
Constail Publisher, Publish Front of South Privates which Provided   Constail Publisher, Publisher   Constail Publisher, Wells of	- 1		1 1	Environmental	Major	Avorago	Possible	Possible	Almost Cortain	Almost Cortain	ш	ш	Е	-	ш	ш	VIII	VIII
4   Control Parlings   Welly & Except   Control Parlings   Control Parlings   Welly & Except   Welly   Section   Welly   Section   Welly   Welly   Section   Welly   Welly   Section   Welly   Welly   Section   Welly   Welly   Welly   Section   Welly   Welly   Welly   Section   Welly					-								_	_		- 1		
Propose Person (Tambon AS, Benegom Figrancia), entering years, content of the person	_	·		-											L	L		IVI
Contact Systems   More   Carbon Me, Reverger	4		1	City Infrastructure	Minor	Good	Possible	Likely	Almost Certain	Almost Certain	М	М	М	М	L	L	L	L
Coastal Primary Nature Not Per (Triban Rd, Pioregam Egalanacia)	4		0.9	Social	Minor	Good	Likely	Almost Certain	Almost Certain	Almost Certain	M	M	M	М	L	L	L	L
Contail Pathways Batavia Quays Headinal   Contail Pathways Batavia Qua	-				-													
	4		0.85	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
Responsibility Numbers (Constitution)   Constitution   Constitut			2.2	City Infractructura	Minor	Good	Paro	Paro	Para	Unlikoly					-			
Projection Projective Project Search Search Counters   2.2   Private Asset   Moderate   Average   Rare   Rare   Rare   Uniliary   L   L   M   L   L   M   M   L   L   M   M											1	1	ı.	M	- 1	1	1	M
Cocided   Population   Popula				Filvate Asset		Average	itale									-		
Residential Properties Young Riof Starting General Properties Variety Riof	4		2.2	Private Asset	Moderate	Average	Rare	Rare	Rare	Unlikely	L	L	L	M	L	L	L	М
Residential Properties Patients Registrates   1.7   Private Asset   Moderate   Average   Rare   Cullistry   Likely   L	4	Residential Properties Batavia Quay	2.2	Private Asset	Moderate	Average	Rare	Rare	Rare	Unlikely	L	L	L	M	L	L	L	M
Residential Properties Pelicians Rights all services	4							Rare	Rare	Possible	L	L	L	M	L	L	L	М
Residential Properties Nursy New Profess Hand (I Banksia Terrine)   1.7   Private Asset   Moderate   Average   Rare   Rare   Rare   Possible   L. L. L. M. E. L. L. M. H.	4										L	L	М	Н	L	L	М	Н
## Rare Possible ## Provided ## Rare Possible ## Provided ## Provided ## Rare Possible ## Provided ## Rare Possible ## Provided ## Rare ## Rare Possible ## Provided ## Rare ## Rare Possible ## Possi	4	Residential Properties Pelican Rd, Banksia Terrace	1.7	Private Asset	Moderate		Rare	Rare	Unlikely	Likely	L	L	M	Н	L	L	M	Н
Princip Colors   1.8   Princip Colors   1.8   Princip Robert   North		Residential Properties Murray River Drive, Leander Way,	4.0							B 311								
4 Retties and Moorings sings filter Privated Steet   Good   Possible   Return Moorings sings filter Privated Steet   Good   Amost Certain   Amost Certain   M.	4		1.8	Private Asset	Moderate	Average	Kare	Kare	Rare	Possible	L	L	L	IVI	L	L	L	M
## Atties and Moorings Jong River Privately Held  ## Among Certain Among	4	Agricultural / Vacant Land - Beacheam Rd to Austin Cove	1.8	Private Asset	Moderate	Average	Rare	Rare	Rare	Possible	L	L	L	M	L	L	L	M
Pelican Right Resides Flower	4	Tathams Caravan Park, Murray River Caravan Park	1.1	Private Asset	Moderate	Good	Possible	Possible	Almost Certain	Almost Certain	M	M	Н	Н	L	L	M	M
Pelican Rd, Banksia reg   Unikely	4	Jetties and Moorings along River Privately Held	0.6	Private Asset	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
Pelican Mg, Banksai Tel	4	Minor Roads (Rivergum Esplanade, Young Rd, Strain Glen,	1.2	City Infrastructura	Moderate	Avorago	Unlikoly	Unlikoly	Dossible	Almost Cortain	N	NA	N4	ш	D.4	D/I	D.A	
4 Canal Network (No Erosion) 4 Canal Network (No Erosion) 5 City Infrastructure 6 Minor Codd 6 Minor Certain 6	-4	Pelican Rd, Banksia Tce)	1.5	City illinastructure	Widderate	Average	Offlikely	Offlikely	rossible	Allifost Certain	IVI	IVI	IVI	-	IVI	IVI	IVI	- "
Canal Network [No Erosion]	4	Major Roads (South Yunderup Road, Forrest Highway) No	1.5	City Infrastructure	Moderate	Average	Rare	Unlikely	Unlikely	Almost Certain	1	М	М	н	1	М	М	н
4 Seat Burch: - Revergence Spannarde Foreshore    6 Off Juliforstructure    6 North Certain    6 Seat Launch: - Bergins Spannarde Foreshore    6 Off Juliforstructure    6 North Certain    6 Seat Launch: - Bergins Spannarde Foreshore    6 Off Juliforstructure    6 North Certain    6 Seat Launch: - Bergins Spannarde Foreshore    6 Off Juliforstructure    6 North Certain    6 Seat Launch: - Bergins Spannarde Foreshore    6 Off Juliforstructure    6 North Certain    6				·				•	·		_				_			
4 Boat Launch - Rivergum Esplanade Foreshore 0.6 City Infrastructure Minor Good Almost Certain Almost Certain Almost Certain Almost Certain M M M M M L L L L L L Batavia Quays Lounch Facility 0.6 City Infrastructure Minor Good Almost Certain Almost Certain M M M M M L L L L L L Batavia Quays Club Shed 1.6 City Infrastructure Moderate Good Rare Rare Unlikely Almost Certain L M M M M M L L L L L L L L L L L L L															L	L	L	L
4 Batavia Quays Launch - Batavia Quays Launch Cardiny															L	L	L	L
4 Satuvia Quays Club Shed															L	L	L	L
4 Toilets - Centenary Park (No Erosion Impact) 4 Toilets - Centenary Park (No Erosion Impact) 5 City Infrastructure Minor Average Rare Unlikely Unlikely Almost Certain L L L M L L L M L L L M L L L M M L L L L L M M L L L L L M M L L L L L L L L L M M L											M	М			L	L	L	L
4 Toilets - Centenary Park (No Erosion Impact) 4 Toilets - Satavia Quays 5 1.6 City Infrastructure Minor Average Rare Rare Unlikely Unlikely Almost Certain L L L M L L L M 5 Toilets - Satavia Quays 5 1.6 City Infrastructure Minor Average Rare Rare Rare Rare Rare Rare Rare Rar											L	L	M		L	L	L	M
4 Tollets - Batavia Quays  1.6 City Infrastructure Minor Average Rare Rare Rare Rare Rare Rare Rare Rar											L	L	L		L	L	L	L
4 Toilets - Pelican Road 4 Car Park - Batavia Quays 5 1.2 City Infrastructure 6 Minor 7 Good 7 Possible 7 Good 8 Possible 8 Possible 9 Possible 9 Possible 9 Possible 1 Most Certain 1 L L L L L L L L L L L L L L L L L L L											L	L	L		L	L	L	
4 Car Park - Batavia Quays 1.2 City Infrastructure Minor Good Unlikely Possible Likely Almost Certain M M M L L L L 4 Car Park - Retregum Esplanade Foreshore 1.1 City Infrastructure Minor Good Unlikely Possible Almost Certain Almost Certain M M M M L L L L 4 Car Park - Centenary Park 1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L 4 Car Park - Pelican Road 1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L 5 Car Park - Willow Gardens (No Erosion Impact) 1.8 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M L L L L 6 Car Park - Fire Station (No Erosion impact) 1.8 City Infrastructure Minor Good Rare Rare Rare Possible L L L M M L L L L 6 Car Park - Fire Station (No Erosion impact) 1.8 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M L L L L 6 Park Furniture - Centenary Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M L L L L 6 Park Furniture - Wellya Crescent Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M L L L L 6 Park Furniture - Wellya Crescent Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L 6 Park Furniture - Wellya Crescent Park 1.6 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L 6 Park Furniture - Pelican Rd Park 1.5 City Infrastructure Minor Good Rare Rare Unlikely Almost Certain L L M M M L L L L 6 Park Furniture - Pelican Rd Park 1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M L L L L 6 Park Furniture - Pelican Rd Park 1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain Almost Certain Almost Certain Almost Certain Almost Certain Almost Certain M M M M M L L L L 6 Park Furniture - South Yunderup Foreshore 0.9 City Infrastructure Minor Good Likely Almost Certain Almost Certain Almost Certain M M M M M L L L L 6 Draina											L		L	IVI	L	L .	L	M
4 Car Park - Rivergum Esplanade Foreshore 1.1 City Infrastructure Minor Good Possible Possible Almost Certain M M M M M M M L L L L L Car Park - Centenary Park 1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L L L L Car Park - Pelican Road 1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L L L L L L L L L L L											L	L N4	L NA	L NA	_ L		L	
4 Car Park - Centenary Park 1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M L L L L L Car Park - Flica Radon M L S City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M L L L L L L L L L L L L L L L											L NA					-	L	
4 Car Park - Pelican Road 1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain 4 Car Park - Willow Gardens (No Erosion Impact) 1.8 City Infrastructure Minor Good Rare Rare Rare Possible L L L M L L L L 4 Park Furniture - Centenary Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain 4 Park Furniture - Centenary Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M L L L L 4 Park Furniture - Centenary Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L 4 Park Furniture - Wellya Crescent Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L 4 Park Furniture - Wellya Crescent Park 1.5 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L 4 Park Furniture - Pelican Rd Park 1.6 City Infrastructure Minor Good Rare Rare Unlikely Almost Certain L L M M L L L L 4 Park Furniture - Pelican Rd Park 1.7 City Infrastructure Minor Good Rare Rare Unlikely Unlikely Dossible Almost Certain L L M M L L L L 4 Park Furniture - Pelican Rd Park 1.7 City Infrastructure Minor Good Rare Rare Unlikely Likely L L L M L L L L 4 Park Furniture - Pelican Rd Park 1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain M M M M L L L L L 4 Park Furniture- South Yunderup Foreshore 0.9 City Infrastructure Minor Good Likely Almost Certain Almost Certain Almost Certain M M M M M M L L L L L 4 Footpaths 0.8 City Infrastructure Minor Good Likely Almost Certain Almost Certain Almost Certain M M M M M M M M M M M M M M M M M M M											IVI	IVI						-
4 Car Park - Willow Gardens (No Erosion Impact) 1.8 City Infrastructure Minor Good Rare Rare Rare Possible L L L M L L L L L M L L L L L M L		,													,			
4 Car Park - Fire Station (No Erosion Impact) 1.8 City Infrastructure Minor Good Rare Rare Rare Possible L L L M L L L L L Park Furniture - Centenary Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M L L L L L L Park Furniture - Centenary Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L L L L L L L L L L L							,				i	i	I		1	i	į.	
4 Park Furniture - Centenary Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L L L Park Furniture - Centenary Park 1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain L L M M M L L L L L L L L L L L L L L		, , , ,									i	i	i			i	-	
4 Playground Equipment - Centenary Park											i	i	M		i	i		
Park Furniture- Wellya Crescent Park  1.4 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain Playground Equipment - Wellya Crescent Park  1.6 City Infrastructure Minor Good Rare Rare Unlikely Almost Certain Unlikely Possible Almost Certain Unlikely Almost Certain Unlikely Likely L L L M L L L L M L L L L L M L L L L											i	i			i	i		
4 Playground Equipment - Wellya Crescent Park 4 Park Furniture - Pelican Rd Park 5 1.7 City Infrastructure Minor Good Rare Rare Unlikely Likely 5 1.7 City Infrastructure Minor Good Unlikely 6 Playground Equipment - Pelican Rd Park 6 Playground Equipment - Pelican Rd Park 7 Playground Equipment - Pelican Rd Park 8 Park Furniture - Pelican Rd Park 9 Playground Equipment - Pelican Rd Park 9 Park Furniture - Pelican Rd Park 9 Park Furniture - Lucie Hunter Park (No Erosion Impact 9 O.9 City Infrastructure Minor Good Likely Almost Certain Almost Certain Almost Certain M M M M M L L L L 1		70 ,			-						ī	i i			Ī	ī	Ī	
4 Park Furniture - Pelican Rd Park 1.7 City Infrastructure Minor Good Rare Rare Unlikely Likely L L L M L L L M L L L L M M L L L L M M M L L L L L M		,					,				ī	ī	L		Ē	Ĺ	Ĺ	Ĺ
Playground Equipment - Pelican Rd Park  1.3 City Infrastructure Minor Good Unlikely Unlikely Possible Almost Certain Almost Ce											Ī	ī	Ĺ		Ē	Ī	Ī	L
4 Park Furniture- Lucie Hunter Park (No Erosion Impact 4 Park Furniture- South Yunderup Foreshore 5 O.9 City Infrastructure Minor Good Likely Almost Certain											L	L	М		L	L	L	L
4 Park Furniture- South Yunderup Foreshore  0.9 City Infrastructure Minor Good Likely Almost Certain Almost Certain Almost Certain Almost Certain M M M M L L L L L L L L L L L L L L L											М	М			L	L	L	L
4 Footpaths  0.8 City Infrastructure Minor Good Almost Certain Alm					-										L	L	L	L
4 Minor Infrastructure (Signage, fencing, lighting, bus shelter)  0.9 City Infrastructure Minor Good Likely Almost Certain Almost Certain Almost Certain M M M M L L L L L L L L L L L L L L L															L	L	L	L
4 Drainage features (pits, pipes, culverts) 0.8 City Infrastructure Moderate Average Almost Certain Almost Certain Almost Certain Almost Certain H H H H H H H H H H H H H H H H H H H																		
4 WaterCorp Infrastructure 0.9 Utilities Moderate Average Likely Almost Certain Almost Certain H H H H H H H H H H H H H H H H H H H	4	ivilior illitastructure (signage, tencing, lighting, bus shelter)		City infrastructure	IVIINOF	G000	Likely	Aimost Certain	Aimost Certain	Aimost Certain					L	L	L	L
													Н		-			
NOTE: Peridential Properties. LiDAR Level ± 0.3m Freehoard	4		0.9	Utilities	Moderate	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н

NOTE: Residential Properties. LiDAR Level + 0.3m Freeboard

		m AHD					Likeliho	ood Category			Inundation	Risk Rating	7	Vulnera	bility - Incl.	Adaptive	Capacity
SMU	Description	Elevation	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
	Beach - Peel Inlet facing beaches on Cooleenup, Meeyip,			•													
5	Ballee, Woolgarook, Yunderup Islands	0.5	Environmental	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
5	Riverbank - Delta Islands and Murray River	0.5	Environmental	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	М	М	L	L	L	L
5	Nature Reserve, West end Yunderup Island	0.9	Environmental	Minor	Good	Likely	Almost Certain	Almost Certain	Almost Certain	М	М	М	М	L	L	L	L
5	Ballee Island Wetland	0.5	Environmental	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	M	М	L	L	L	L
5	Foreshore Reserve - Culeenup Rd east of Towerup St	0.9	Social	Minor	Good	Likely	Almost Certain	Almost Certain	Almost Certain	М	М	M	М	L	L	L	L
	Foreshore Reserve - Yunderup Island, Ballee Island,																
5	Cooleenup Island	0.9	Social	Minor	Good	Likely	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
5	Residential Properties North Yunderup, Culeenup Rd	1.8	Private Asset	Moderate	Average	Rare	Rare	Rare	Possible	L	L	L	М	L	L	L	М
5	Residential Properties Thomasfield Pl, Ravenswood	2.0	Private Asset	Moderate	Average	Rare	Rare	Rare	Unlikely	L	L	L	М	L	L	L	M
5	Rural Properties Pinjarra Rd, Tonkin Drv, Walter Rd	1.9	Private Asset	Moderate	Average	Rare	Rare	Rare	Possible	L	L	L	М	L	L	L	M
5	Residential Properties Thomasfield PI, Ravenswood	2.0	Private Asset	Moderate	Average	Rare	Rare	Rare	Unlikely	L	L	L	М	L	L	L	M
5	Residential Properties Yunderup Island	1.0	Private Asset	Mod. / Maj 2	Average / Low <sup>2</sup>	Possible	Likely	Almost Certain	Almost Certain	M	Н	Н	Е	М	Н	Н	VH
5	Residential Properties Ballee Island	1.0	Private Asset	Mod. / Maj <sup>2</sup>	Average / Low <sup>2</sup>	Possible	Likely	Almost Certain	Almost Certain	М	Н	н	Е	М	Н	н	VH
5	Residential Properties Cooleenup Island	0.9	Private Asset	Mod. / Mai <sup>2</sup>	Average / Low <sup>2</sup>	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Н	н	F	Н	Н	н	VH
5	Septic Sytems Yunderup Island	0.7	Private Asset	Major	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	F	E	E	F	Н	Н	Н	Н
5	Septic Sytems Ballee Island	0.7	Private Asset	Major	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	F	F	F	F	Н	Н.	Н	Н.
5	Septic Sytems Cooleenup Island	0.6	Private Asset	Major	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	E	F	F	F	Н	Н.	Н	Н.
5	Jetties and Moorings along River Privately Held	0.6	Private Asset	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	- 1	1	1	1
5	Minor Roads (Culeenup Rd - Western end)	1.5	City Infrastructure	Moderate	Average	Rare	Unlikely	Unlikely	Almost Certain	L	M	M	Н	L	M	M	Н
	Major Roads (Pinjarra Rd, Forrest Hwy)	2.2	City Infrastructure	Moderate	Average	Rare	Rare	Rare	Unlikely				М				М
	Shire Jetties - Culeenup Rd, Coopers Mill Precinct, North	2.2	city illinastructure	Wioderate	Average	narc	Raic	narc	Officery			_	141		_		- 171
	Yunderup Launch Facility. Swimming pontoon at swim			Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	М	М	1	1	L	
5	beach	0.5	City Infrastructure											_	_		
5	Boat Launch - North Yunderup Launch Facility	0.5	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	М	М		L	L	
5	Toilets - Kingfisher Park (No Erosion Impact)	2.3	City Infrastructure	Minor	Average	Rare	Rare	Rare	Rare	L	L	L	L		Ī.	L	ī
5	Toilets - Coopers Mill Precinct	1.4	City Infrastructure	Minor	Average	Unlikely	Unlikely	Possible	Almost Certain	L	L	M	M	ī	L	M	М
	Toilets - North Yunderup Launch Facility (No Erosion			-		,	,										
5	Impact)	1.8	City Infrastructure	Minor	Average	Rare	Rare	Rare	Possible	L	L	L	М	L	L	L	M
5	Car Park - North Yunderup Launch Facility	1.8	City Infrastructure	Minor	Good	Rare	Rare	Rare	Possible	L	L	L	М	L	L	L	L
5	Park Furniture - North Yunderup Foreshore Reserve	0.9	City Infrastructure	Minor	Good	Likely	Almost Certain	Almost Certain	Almost Certain	M	М	M	М	L	L	L	L
5	Park Furniture- North Yunderup Launch Facility	1.8	City Infrastructure	Minor	Good	Rare	Rare	Rare	Possible	L	L	L	М	L	L	L	L
5	Park Furniture - Coopers Mill Precinct	0.9	City Infrastructure	Minor	Good	Likely	Almost Certain	Almost Certain	Almost Certain	M	М	M	М	L	L	L	L
5	Playground Equipment - Coopers Mill Precinct	0.9	City Infrastructure	Minor	Good	Likely	Almost Certain	Almost Certain	Almost Certain	M	M	M	М	L	L	L	L
5	Park Furniture- Kingfisher Park (No Erosion Impact)	2.0	City Infrastructure	Minor	Good	Rare	Rare	Rare	Unlikely	L	L	L	L	L	L	L	L
_	Playground Equipment - Kingfisher Park (No Erosion			Minor	Good	Rare	Rare	Rare	Rare	L	L	L	L	L	L	L	L
5	Impact)	2.3	City Infrastructure		61	D ! b. l	195-4	Almost Contri	Almost Conto								
5	Footpaths  Minor Infrastructure (Signage, fencing, lighting, bus	1.0	City Infrastructure	Minor	Good	Possible	Likely	Almost Certain	Almost Certain	M	M	M	М	L	L	L	
5	shelter)	0.8	City Infrastructure	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	M	М	М	L	L	L	L
5	Drainage features (pits, pipes, culverts)	0.8	City Infrastructure	Moderate	Average	Almost Certain	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н
5	WaterCorp Infrastructure	0.9	Utilities	Moderate	Average	Likely	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н
5	Coopers Mill	0.7	Cultural / Heritage	Moderate	Average	Almost Certain	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н
5	Coopers Mill Caretakers House	1.4	Cultural / Heritage	Moderate	Average	Unlikely	Unlikely	Possible	Almost Certain	М	M	M	Н	М	М	M	Н

NOTE: for all Residential Properties the level is finished floor level = LiDAR Level + 0.3m Freeboard

2. For depth of flooding >1.0m over the Finished Floor level the consequence is Major and adaptive capacity is rated as low.

		m AHD	1				Likelihood	Category			Inundation	Risk Rating	Ī	Vulnera	bility - Incl.	Adaptive	Capacity
SMU	Description	Elevation	General Cat.	Consequence	Adaptive Cap.	2030	2050	2070	2120	2030	2050	2070	2120	2030	2050	2070	2120
6	Riverbank - Serpentine River	0.5	Environmental	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	М	M	L	L	L	L
6	Foreshore Reserve - Furnissdale Foreshore	0.7	Social	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	М	M	L	L	L	L
6	Residential Properties Riverside Drive along Furnissdale Foreshore	1.4	Private Asset	Moderate	Average	Unlikely	Unlikely	Possible	Almost Certain	М	М	М	н	М	М	М	н
6	Residential Properties along Serpentine River, Tonkin Drive to Furnissdale Road	1.8	Private Asset	Moderate	Average	Rare	Rare	Rare	Possible	L	L	L	М	L	L	L	М
6	Residential Properties Riverside Drive Smith St to Paull St	1.5	Private Asset	Moderate	Average	Rare	Unlikely	Unlikely	Almost Certain	L	М	М	Н	L	M	М	Н
6	Residential Properties Riverside Drive NE of Paull St	1.5	Private Asset	Moderate	Average	Rare	Unlikely	Unlikely	Almost Certain	L	M	М	Н	L	M	М	Н
6	Rural Properties Pinjarra Rd to Goodooga Rd	2	Private Asset	Moderate	Average	Rare	Rare	Rare	Unlikely	L	L	L	M	L	L	L	M
6	Caravan Park	1.7	Private Asset	Minor	Good	Rare	Rare	Unlikely	Likely	L	L	L	M	L	L	L	L
6	Riverglades Resort	2.5	Private Asset	Moderate	Average	Rare	Rare	Rare	Rare	L	L	L	L	L	L	L	L
6	Jetties and Moorings along River - Privately Held	0.5	Private Asset	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	М	M	L	L	L	L
6	Minor Roads (Riverside Drive Near Smith St)	0.7	City Infrastructure	Moderate	Average	Almost Certain	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	н	Н	Н
6	Minor Roads (Riverside Drive foreshore, Furnissdale Rd, Ronlyn Rd)	1.2	City Infrastructure	Moderate	Average	Unlikely	Possible	Likely	Almost Certain	М	М	Н	н	М	М	Н	Н
6	Major Roads (Pinjarra Rd)	3	City Infrastructure	Moderate	Average	Rare	Rare	Rare	Rare	L	L	L	L	L	L	L	L
6	Shire Jetties - Furnissdale Launch Facility, Floating Jetty	0.5	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	M	М	М	L	L	L	L
6	Shire Jetties - Furnissdale Launch Facility, Timber Jetty	0.5	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
6	Shire Jetties - Tonkin Drive Foreshore Timber Jetty	0.5	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	M	M	M	L	L	L	L
6	Boat Ramp - Furnissdale Launch Facility	0.5	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	M	М	M	L	L	L	L
6	Toilets - York Road	2	City Infrastructure	Minor	Average	Rare	Rare	Rare	Unlikely	L	L	L	L	L	L	L	L
6	Car Park - Furnissdale Launch Facility	1.3	City Infrastructure	Minor	Good	Unlikely	Unlikely	Possible	Almost Certain	L	L	M	M	L	L	L	L
6	Car Park - Riverside Drive	0.7	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
6	Car Park - Tonkin Drive Foreshore	1	City Infrastructure	Minor	Good	Possible	Likely	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
6	Car Park - Furnissdale Bridge Foreshore	1	City Infrastructure	Minor	Good	Possible	Likely	Almost Certain	Almost Certain	M	M	M	M	L	L	L	L
6	Park Furniture - Furnissdale Launch Facility Foreshore Reserve	1.1	City Infrastructure	Minor	Good	Possible	Possible	Almost Certain	Almost Certain	М	М	М	M	L	L	L	L
6	Playground Equipment - Furnissdale Foreshore	1.1	City Infrastructure	Minor	Good	Possible	Possible	Almost Certain	Almost Certain	М	М	М	М	L	L	L	L
6	Park Furniture- York Road Park.	1.8	City Infrastructure	Minor	Good	Rare	Rare	Rare	Possible	L	L	L	M	L	L	L	L
6	Playground Equipment - York Road Park.	1.8	City Infrastructure	Minor	Good	Rare	Rare	Rare	Possible	L	L	L	M	L	L	L	L
6	Footpaths	0.7	City Infrastructure	Minor	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	М	М	М	M	L	L	L	L
6	Minor Infrastructure (Signage, fencing, lighting, bus shelter)	0.7	City Infrastructure	Insignificant	Good	Almost Certain	Almost Certain	Almost Certain	Almost Certain	M	М	М	M	L	L	L	L
6	Drainage features (pits, pipes, culverts)	0.8	City Infrastructure	Moderate	Average	Almost Certain	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н
6	WaterCorp Infrastructure	0.7	Utilities	Moderate	Average	Almost Certain	Almost Certain	Almost Certain	Almost Certain	Н	Н	Н	Н	Н	Н	Н	Н
6	York Road Clubrooms and Sports Courts	2.1	City Infrastructure	Moderate	Average	Rare	Rare	Rare	Unlikely	L	L	L	М	L	L	L	М

NOTE: Residential Properties. LiDAR Level + 0.3m Freeboard