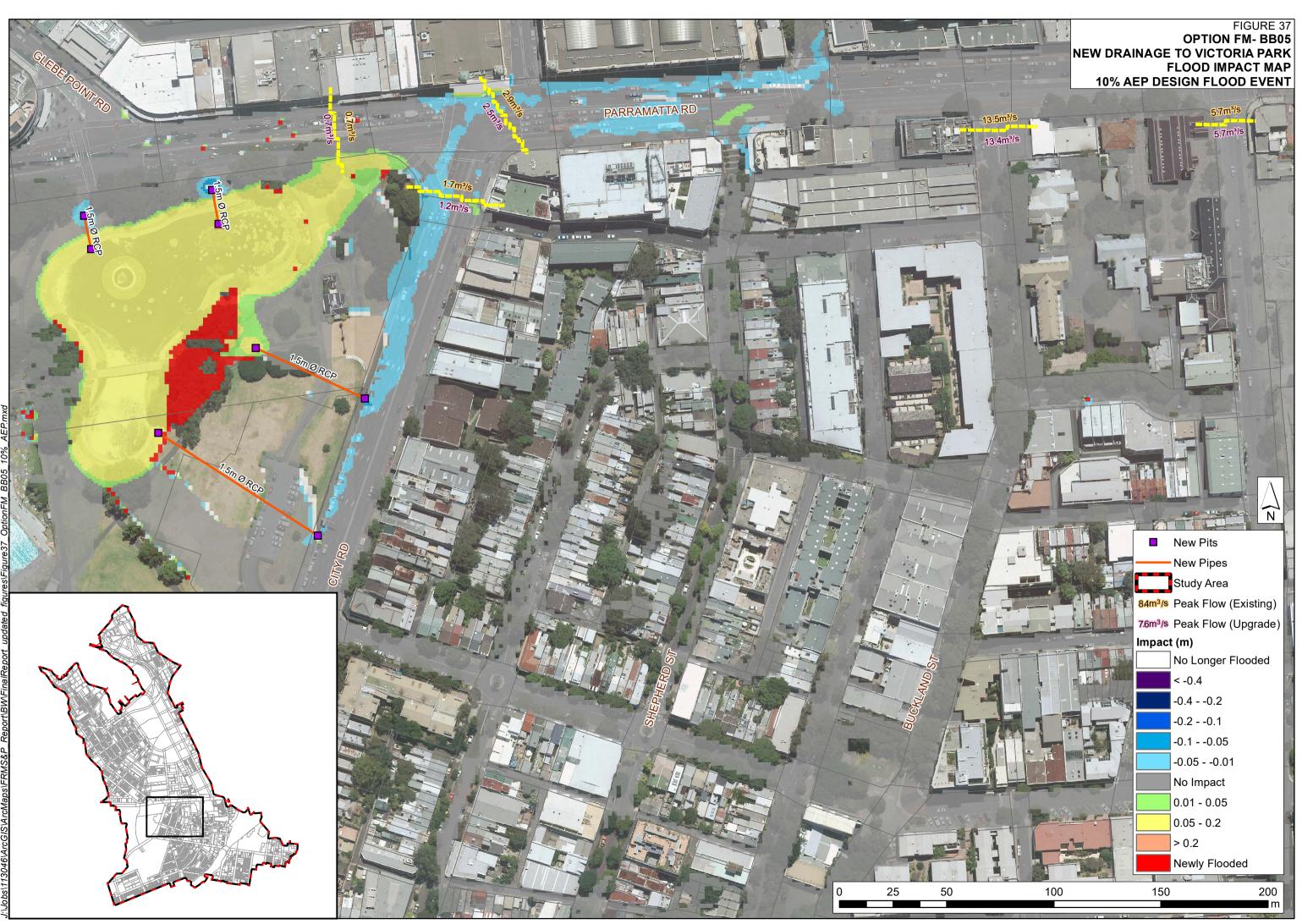
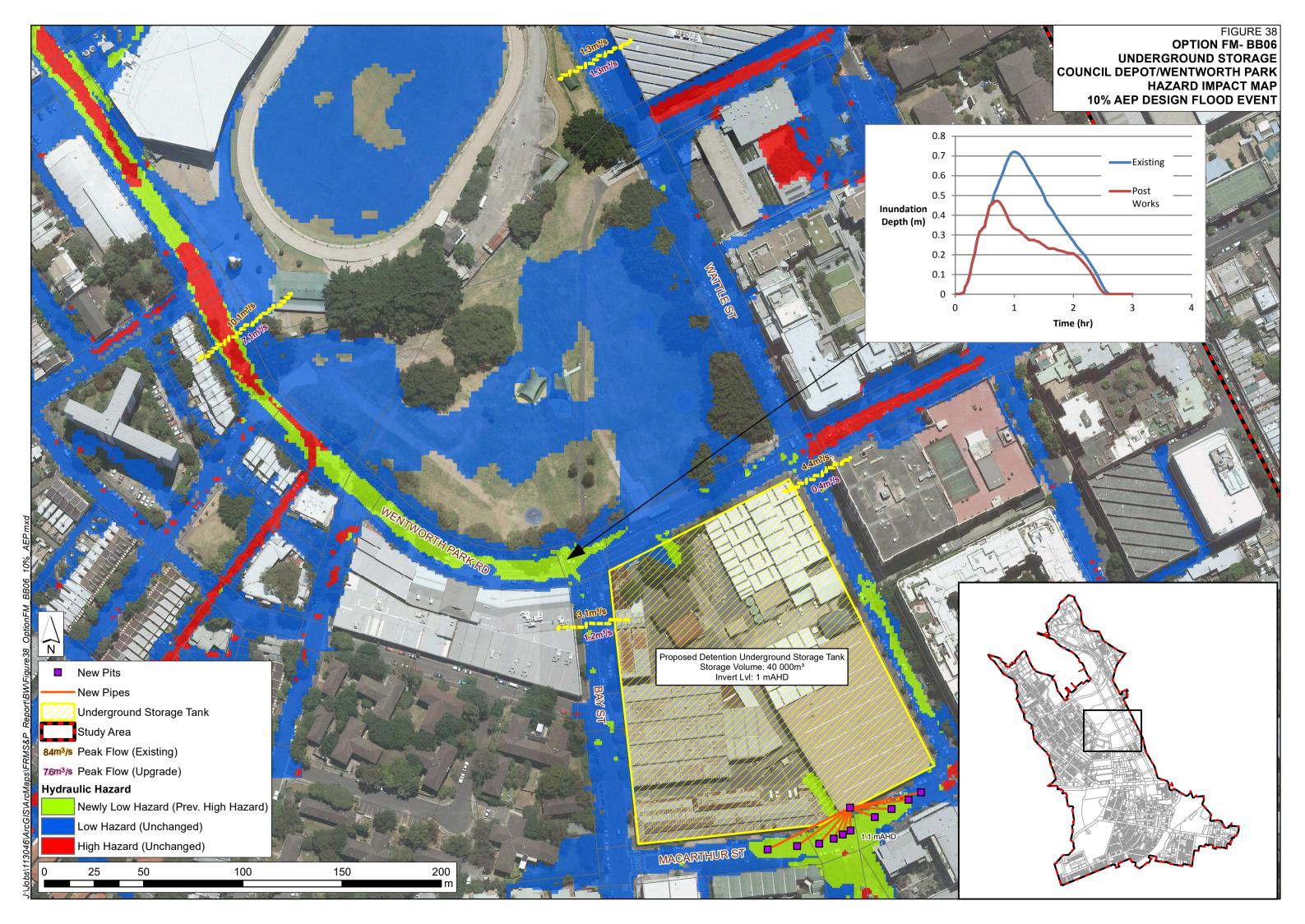
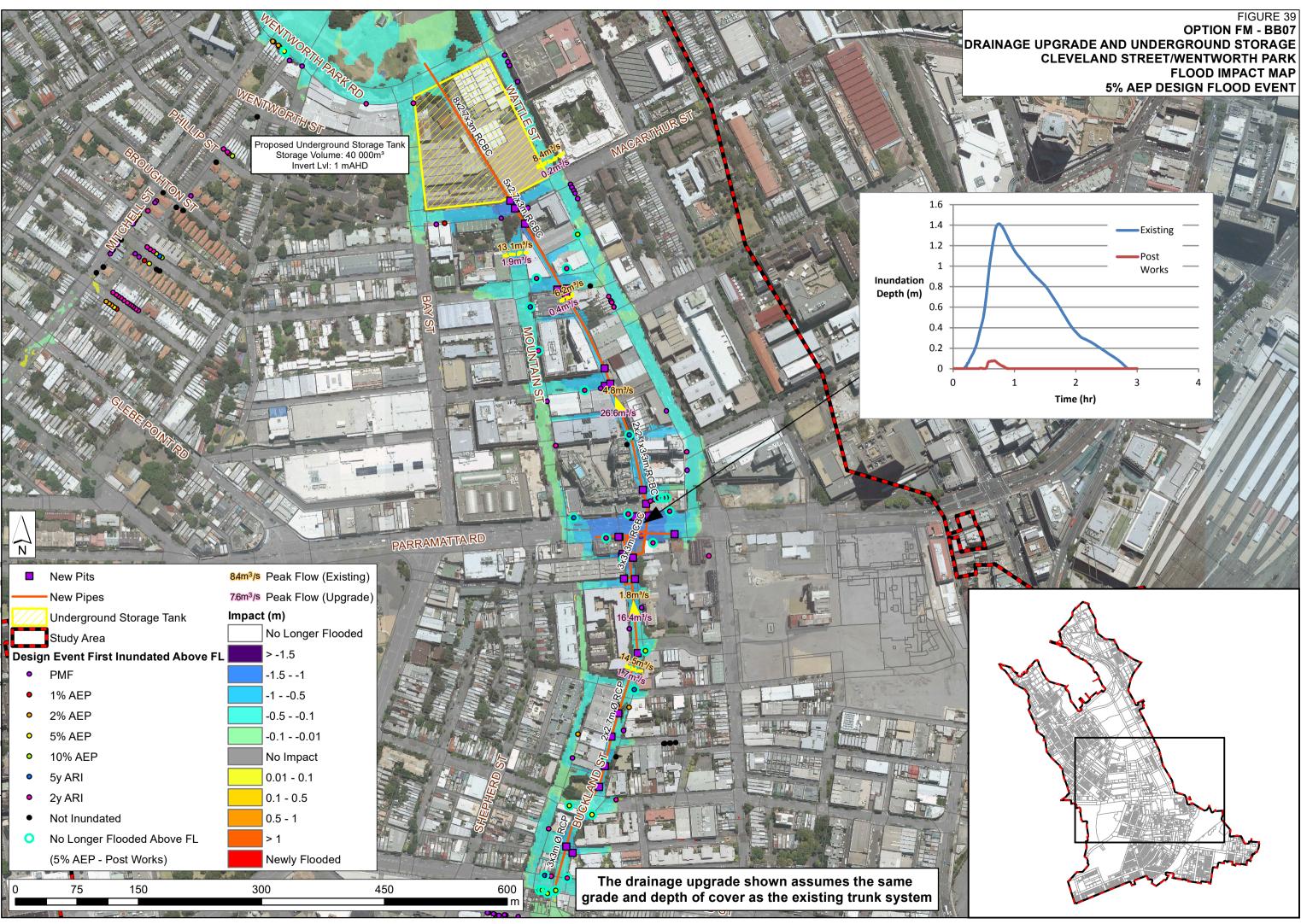


Pits	84m ³ /s	Peak Flow (Existing)
Pipes	7.6m ³ /s	Peak Flow (Upgrade)
y Area	Impact	t (m)
nt First Inundated Above FL		No Longer Flooded
		< -0.4
EP		-0.40.2
EP		-0.20.1
EP		-0.10.05
AEP		-0.050.01
RI		No Impact
RI		0.01 - 0.05
nundated		0.05 - 0.2
onger Flooded Above FL		> 0.2
AEP - Post Works)		Newly Flooded
	V	1 1 10
150		200
		m
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APPENDIX A: GLOSSARY

Taken from the Floodplain Development Manual (April 2005 edition)

acid sulfate soils	Are sediments which contain sulfidic mineral pyrite which may become extremely acid following disturbance or drainage as sulfur compounds react when exposed to oxygen to form sulfuric acid. More detailed explanation and definition can be found in the NSW Government Acid Sulfate Soil Manual published by Acid Sulfate Soil Management Advisory Committee.
Annual Exceedance Probability (AEP)	The chance of a flood of a given or larger size occurring in any one year, usually expressed as a percentage. For example, if a peak flood discharge of 500 m ³ /s has an AEP of 5%, it means that there is a 5% chance (that is one-in-20 chance) of a 500 m ³ /s or larger event occurring in any one year (see ARI).
Australian Height Datum (AHD)	A common national surface level datum approximately corresponding to mean sea level.
Average Annual Damage (AAD)	Depending on its size (or severity), each flood will cause a different amount of flood damage to a flood prone area. AAD is the average damage per year that would occur in a nominated development situation from flooding over a very long period of time.
Average Recurrence Interval (ARI)	The long term average number of years between the occurrence of a flood as big as, or larger than, the selected event. For example, floods with a discharge as great as, or greater than, the 20 year ARI flood event will occur on average once every 20 years. ARI is another way of expressing the likelihood of occurrence of a flood event.
caravan and moveable home parks	Caravans and moveable dwellings are being increasingly used for long-term and permanent accommodation purposes. Standards relating to their siting, design, construction and management can be found in the Regulations under the LG Act.
catchment	The land area draining through the main stream, as well as tributary streams, to a particular site. It always relates to an area above a specific location.
consent authority	The Council, government agency or person having the function to determine a development application for land use under the EP&A Act. The consent authority is most often the Council, however legislation or an EPI may specify a Minister or public authority (other than a Council), or the Director General of DIPNR, as having the function to determine an application.
design flood	A hypothetical flood representing a specific likelihood of occurrence (for example the 100 year ARI or 1% AEP flood). It is a probabilistic or statistical estimate, generally being based on some form of probability analysis of flood or rainfall data.
design rainfall	Used in the estimation of a flood or the design of a particular component or feature of a hydraulic structure. Design rainfall estimates are based on the intensity, frequency and duration of the storm bursts. The use of a design rainfall in the estimation of a flood does not imply that if such rainfall occurred at a given time, the estimated flood elevations would result.
development	Is defined in Part 4 of the Environmental Planning and Assessment Act (EP&A Act). infill development: refers to the development of vacant blocks of land that are

	generally surrounded by developed properties and is permissible under the
	current zoning of the land. Conditions such as minimum floor levels may be imposed on infill development. new development: refers to development of a completely different nature to that associated with the former land use. For example, the urban subdivision of an area previously used for rural purposes. New developments involve rezoning and typically require major extensions of existing urban services, such as roads, water supply, sewerage and electric power. redevelopment: refers to rebuilding in an area. For example, as urban areas age, it may become necessary to demolish and reconstruct buildings on a relatively large scale. Redevelopment generally does not require either rezoning or major extensions to urban services.
disaster plan (DISPLAN)	A step by step sequence of previously agreed roles, responsibilities, functions, actions and management arrangements for the conduct of a single or series of connected emergency operations, with the object of ensuring the coordinated response by all agencies having responsibilities and functions in emergencies.
discharge	The rate of flow of water measured in terms of volume per unit time, for example, cubic metres per second (m^3/s). Discharge is different from the speed or velocity of flow, which is a measure of how fast the water is moving for example, metres per second (m/s).
ecologically sustainable development (ESD)	Using, conserving and enhancing natural resources so that ecological processes, on which life depends, are maintained, and the total quality of life, now and in the future, can be maintained or increased. A more detailed definition is included in the Local Government Act 1993. The use of sustainability and sustainable in this manual relate to ESD.
effective warning time	The time available after receiving advice of an impending flood and before the floodwaters prevent appropriate flood response actions being undertaken. The effective warning time is typically used to move farm equipment, move stock, raise furniture, evacuate people and transport their possessions.
emergency management	A range of measures to manage risks to communities and the environment. In the flood context it may include measures to prevent, prepare for, respond to and recover from flooding.
flash flooding	Flooding which is sudden and unexpected. It is often caused by sudden local or nearby heavy rainfall. Often defined as flooding which peaks within six hours of the causative rain.
flood	Relatively high stream flow which overtops the natural or artificial banks in any part of a stream, river, estuary, lake or dam, and/or local overland flooding associated with major drainage before entering a watercourse, and/or coastal inundation resulting from super-elevated sea levels and/or waves overtopping coastline defences excluding tsunami.
flood awareness	Flood awareness is an appreciation of the likely effects of flooding and a knowledge of the relevant flood warning, response and evacuation procedures.
flood education	Flood education seeks to provide information to raise awareness of the flood problem so as to enable individuals to understand how to manage themselves an their property in response to flood warnings and in a flood event. It invokes a state of flood readiness.
flood fringe areas	The remaining area of flood prone land after floodway and flood storage areas have been defined.



flood liable land	Is synonymous with flood prone land (i.e. land susceptible to flooding by the
	probable maximum flood (PMF) event). Note that the term flood liable land covers the whole of the floodplain, not just that part below the flood planning level (see flood planning area).
flood mitigation standard	The average recurrence interval of the flood, selected as part of the floodplain risk management process that forms the basis for physical works to modify the impacts of flooding.
floodplain	Area of land which is subject to inundation by floods up to and including the probable maximum flood event, that is, flood prone land.
floodplain risk management options	The measures that might be feasible for the management of a particular area of the floodplain. Preparation of a floodplain risk management plan requires a detailed evaluation of floodplain risk management options.
floodplain risk management plan	A management plan developed in accordance with the principles and guidelines in this manual. Usually includes both written and diagrammetic information describing how particular areas of flood prone land are to be used and managed to achieve defined objectives.
flood plan (local)	A sub-plan of a disaster plan that deals specifically with flooding. They can exist at State, Division and local levels. Local flood plans are prepared under the leadership of the State Emergency Service.
flood planning area	The area of land below the flood planning level and thus subject to flood related development controls. The concept of flood planning area generally supersedes the "flood liable land" concept in the 1986 Manual.
Flood Planning Levels (FPLs)	FPLs are the combinations of flood levels (derived from significant historical flood events or floods of specific AEPs) and freeboards selected for floodplain risk management purposes, as determined in management studies and incorporated in management plans. FPLs supersede the "standard flood event" in the 1986 manual.
flood proofing	A combination of measures incorporated in the design, construction and alteration of individual buildings or structures subject to flooding, to reduce or eliminate flood damages.
flood prone land	Is land susceptible to flooding by the Probable Maximum Flood (PMF) event. Flood prone land is synonymous with flood liable land.
flood readiness	Flood readiness is an ability to react within the effective warning time.
flood risk	Potential danger to personal safety and potential damage to property resulting from flooding. The degree of risk varies with circumstances across the full range of floods. Flood risk in this manual is divided into 3 types, existing, future and continuing risks. They are described below.
	 existing flood risk: the risk a community is exposed to as a result of its location on the floodplain. future flood risk: the risk a community may be exposed to as a result of new development on the floodplain. continuing flood risk: the risk a community is exposed to after floodplain risk management measures have been implemented. For a town protected by levees, the continuing flood risk is the consequences of the levees being overtopped. For an area without any floodplain risk management measures, the continuing flood risk is simply the existence of its flood exposure.



flood storage areas	Those parts of the floodplain that are important for the temporary storage of floodwaters during the passage of a flood. The extent and behaviour of flood storage areas may change with flood severity, and loss of flood storage can increase the severity of flood impacts by reducing natural flood attenuation. Hence, it is necessary to investigate a range of flood sizes before defining flood storage areas.
floodway areas	Those areas of the floodplain where a significant discharge of water occurs during floods. They are often aligned with naturally defined channels. Floodways are areas that, even if only partially blocked, would cause a significant redistribution of flood flows, or a significant increase in flood levels.
freeboard	Freeboard provides reasonable certainty that the risk exposure selected in deciding on a particular flood chosen as the basis for the FPL is actually provided. It is a factor of safety typically used in relation to the setting of floor levels, levee crest levels, etc. Freeboard is included in the flood planning level.
habitable room	 in a residential situation: a living or working area, such as a lounge room, dining room, rumpus room, kitchen, bedroom or workroom. in an industrial or commercial situation: an area used for offices or to store valuable possessions susceptible to flood damage in the event of a flood.
hazard	A source of potential harm or a situation with a potential to cause loss. In relation to this manual the hazard is flooding which has the potential to cause damage to the community. Definitions of high and low hazard categories are provided in the Manual.
hydraulics	Term given to the study of water flow in waterways; in particular, the evaluation of flow parameters such as water level and velocity.
hydrograph	A graph which shows how the discharge or stage/flood level at any particular location varies with time during a flood.
hydrology	Term given to the study of the rainfall and runoff process; in particular, the evaluation of peak flows, flow volumes and the derivation of hydrographs for a range of floods.
local overland flooding	Inundation by local runoff rather than overbank discharge from a stream, river, estuary, lake or dam.
local drainage	Are smaller scale problems in urban areas. They are outside the definition of major drainage in this glossary.
mainstream flooding	Inundation of normally dry land occurring when water overflows the natural or artificial banks of a stream, river, estuary, lake or dam.
major drainage	 Councils have discretion in determining whether urban drainage problems are associated with major or local drainage. For the purpose of this manual major drainage involves: \$ the floodplains of original watercourses (which may now be piped, channelised or diverted), or sloping areas where overland flows develop along alternative paths once system capacity is exceeded; and/or \$ water depths generally in excess of 0.3 m (in the major system design storm as defined in the current version of Australian Rainfall and Runoff). These conditions may result in danger to personal safety and property damage to both premises and vehicles; and/or \$ major overland flow paths through developed areas outside of defined drainage reserves; and/or \$ the potential to affect a number of buildings along the major flow path.



mathematical/computer models	The mathematical representation of the physical processes involved in runoff generation and stream flow. These models are often run on computers due to the complexity of the mathematical relationships between runoff, stream flow and the distribution of flows across the floodplain.
merit approach	The merit approach weighs social, economic, ecological and cultural impacts of land use options for different flood prone areas together with flood damage, hazard and behaviour implications, and environmental protection and well being of the State's rivers and floodplains.
	The merit approach operates at two levels. At the strategic level it allows for the consideration of social, economic, ecological, cultural and flooding issues to determine strategies for the management of future flood risk which are formulated into Council plans, policy and EPIs. At a site specific level, it involves consideration of the best way of conditioning development allowable under the floodplain risk management plan, local floodplain risk management policy and EPIs.
minor, moderate and major flooding	Both the State Emergency Service and the Bureau of Meteorology use the following definitions in flood warnings to give a general indication of the types of problems expected with a flood:
	 minor flooding: causes inconvenience such as closing of minor roads and the submergence of low level bridges. The lower limit of this class of flooding on the reference gauge is the initial flood level at which landholders and townspeople begin to be flooded. moderate flooding: low-lying areas are inundated requiring removal of stock and/or evacuation of some houses. Main traffic routes may be covered. major flooding: appreciable urban areas are flooded and/or extensive rural areas are flooded.
modification measures	Measures that modify either the flood, the property or the response to flooding. Examples are indicated in Table 2.1 with further discussion in the Manual.
peak discharge	The maximum discharge occurring during a flood event.
Probable Maximum Flood (PMF)	The PMF is the largest flood that could conceivably occur at a particular location, usually estimated from probable maximum precipitation, and where applicable, snow melt, coupled with the worst flood producing catchment conditions. Generally, it is not physically or economically possible to provide complete protection against this event. The PMF defines the extent of flood prone land, that is, the floodplain. The extent, nature and potential consequences of flooding associated with a range of events rarer than the flood used for designing mitigation works and controlling development, up to and including the PMF event should be addressed in a floodplain risk management study.
Probable Maximum Precipitation (PMP)	The PMP is the greatest depth of precipitation for a given duration meteorologically possible over a given size storm area at a particular location at a particular time of the year, with no allowance made for long-term climatic trends (World Meteorological Organisation, 1986). It is the primary input to PMF estimation.
probability	A statistical measure of the expected chance of flooding (see AEP).
risk	Chance of something happening that will have an impact. It is measured in terms of consequences and likelihood. In the context of the manual it is the likelihood of consequences arising from the interaction of floods, communities and the



	environment.
runoff	The amount of rainfall which actually ends up as streamflow, also known as rainfall excess.
stage	Equivalent to water level. Both are measured with reference to a specified datum.
stage hydrograph	A graph that shows how the water level at a particular location changes with time during a flood. It must be referenced to a particular datum.
survey plan	A plan prepared by a registered surveyor.
water surface profile	A graph showing the flood stage at any given location along a watercourse at a particular time.
wind fetch	The horizontal distance in the direction of wind over which wind waves are generated.





Floor Level Survey	' (undertaken in 2	2012 as part of	[•] Blackwattle Bay	Flood Study)
		/	,	, ,

								RESIDEN	FIAL BUILDING	NON-RESIDENTIAL BUILDING			
Parcel Tags as on Council Cadastre (GIS Tag)	Photo Name	Number of Buildings	Street Number	Street Name	Easting (m)		Indicative Ground Level (mAHD)	Habitable Floor Level (m AHD)	Floor Construction Pier (P) Slab (S) Other (describe)	Type Commercial (C) Industrial (I) Public (P)	Name and Nature of Use/Business	Lowest Floor Level (mAHD)	Floor Construction Pier (P) Slab (S) Other (describe)
	<u>1 Belvoir Street.jpg</u> 104-106 Buckingham Street.jpg	1		Belvoir Street Buckingham Street	334174.4 334224.3	6248726.0 6248684.3	30.74 31.70	31.05	Р		Not known	31.78	S
	2 Pembroke Street.jpg	1		Pembroke Street	334165.4		30.46	31.42	Р	U U		51.70	<u> </u>
244124	208 Chalmers Street.jpg	1	204 to 214	Chalmers Street	334140.4	6248661.8	30.49			Com/Res	Chalmers Convenience Store	30.64	
515871	Shop 1, 330 Wattle Street.jpg	1		Wattle Street	333177.0		4.05			C	City Stationery (W C Penfolds) - Stationers	4.23	
	Shop 2, 330 Wattle Street.jpg Shop 3, 330 Wattle Street.jpg	1		Wattle Street Wattle Street	333169.2 333159.4		3.88 3.89			C C	Li's Trading Pty Ltd - Catering equipment supplier Insanely Great Software - Computer Programmers	4.12	
	Shop 4, 330 Wattle Street.jpg	1		Wattle Street	333154.0	6249780.0	3.86			C	Nightingales - Bridal Shop	4.13	
515873	430 Wattle Street.jpg	1		Wattle Street	332238.1	6249627.8	4.78			Č	Fantastic Gourmet - Fast food shop	5.02	
515874	432 Wattle Street.jpg	1	432	Wattle Street	333239.7	6249624.0	4.69	5.01	Р				
	434 Wattle Street.jpg	1	434	Wattle Street	333241.5		4.65						
	436 Wattle Street.jpg 438 Wattle Street.jpg	1		Wattle Street Wattle Street	333243.3 333245.1	6249616.0 6249612.2	4.65 4.69	4.97 4.98	P				
	<u>36 Talfourd Street.jpg</u>	1		Talfourd Street	332351.4	6249612.2	15.91		P				
	<u>38 Talfourd Street.jpg</u>	1		Talfourd Street	332348.1	6249759.5	15.99	17.22	P				
	<u>39 Talfourd Street.jpg</u>	1		Talfourd Street	332379.7	6249781.9	13.11		P		NB: This level is Talfourd Street entry level - no access	available to lowe	r floor
	40 Talfourd Street.jpg	1		Talfourd Street	332345.3		16.08	17.21	P		ND. This level is Talfaured Otreast anti-		, flager
	41 Talfourd Street.jpg 42 Talfourd Street.jpg	1		Talfourd Street Talfourd Street	332377.4 332343.0		13.29 16.23	16.29 17.39	P		NB: This level is Talfourd Street entry level - no access	available to lowe	r lioor
	43 Talfourd Street.jpg	1	43	Talfourd Street	332375.3		13.46	16.58	P		NB: This level is Talfourd Street entry level - no access	available to lowe	er floor
519142	45 Talfourd Street.jpg	1	45	Talfourd Street	332373.1	6249791.0	13.67	14.53	Р				
	<u>9 Phillip Street.jpg</u>	1		Phillip Street	332819.6		5.72		P				
	11 Phillip Street.jpg 13 Phillip Street.jpg	1		Phillip Street	332816.4 332813.8	6249670.8 6249673.1	5.57 5.56	5.83 5.85	<u>Р</u>				
	15 Phillip Street.jpg	1		Phillip Street Phillip Street	332811.2		5.39	5.85	P				
	35 Campbell Street.jpg	1		Campbell Street	332707.2		13.05		P				
519335	36 Campbell Street.jpg	1	36	Campbell Street	332665.0	6249460.4	13.22	13.78	Р				
519336	37 Campbell Street.jpg	1		Campbell Street	332704.3		13.02		P				
	38 Campbell Street.jpg 39 Campbell Street.jpg	1		Campbell Street Campbell Street	332661.8 332701.6	6249462.8 6249483.9	13.21 12.99		P				
	40 Campbell Street.jpg	1		Campbell Street	332658.9	6249465.3	13.22		P				
	42 Campbell Street.jpg	1	42	Campbell Street	332655.7	6249467.7	13.28	13.72	P				
519344	44 Campbell Street.jpg	1		Campbell Street	332652.8	6249470.2	13.14		Р				
520356	21-27 Wentworth Street.jpg 23 Forsyth Street.jpg	1		Wentworth Street	332833.7 332207.7	6249695.3 6250284.7	3.34 5.30	4.59 5.34					
520908	25 Forsyth Street.jpg	1		Forsyth Street Forsyth Street	332207.7		5.30		S S				
520964	2 Wentworth Park Road.jpg	1		Wentworth Park Road			2.39		-				
520966	4 Wentworth Park Road.jpg	1	4	Wentworth Park Road	332868.9	6249777.4			S				
	6 Wentworth Park Road.jpg	1		Wentworth Park Road	332865.7		2.39						
	8 Wentworth Park Road.jpg 10 Wentworth Park Road.jpg	1		Wentworth Park Road Wentworth Park Road	332862.1 332858.4	6249784.0 6249787.0	2.39 2.44		S S				
	12 Wentworth Park Road.jpg	1		Wentworth Park Road	332855.1	6249789.3	2.44	3.10	S				
	48-64 Wentworth Park Road.jpg	1	48 to 64	Wentworth Park Road	332726.2	6249993.4	2.12	2.24					
520990	Unit 1, 66 Wentworth Park Road.jpg	1		Wentworth Park Road	332702.7	6250036.9	2.05		S				
	Unit 2, 66 Wentworth Park Road.jpg Unit 3, 66 Wentworth Park Road.jpg	1		Wentworth Park Road Wentworth Park Road	332706.6 332708.7		2.12 2.10		S S				
	Unit 4, 66 Wentworth Park Road.jpg	1		Wentworth Park Road	332712.1		2.10		S				
	Unit 5, 66 Wentworth Park Road.jpg	1		Wentworth Park Road	332714.7		2.12		S				
	68 Wentworth Park Road.jpg	1		Wentworth Park Road	332694.0		2.02		Р				
	70 Wentworth Park Road.jpg	1		Wentworth Park Road	332691.7	6250041.8	2.04		P				
	72 Wentworth Park Road.jpg 74 Wentworth Park Road.jpg	1		Wentworth Park Road Wentworth Park Road	332688.9 332685.6		2.06 2.09		ר ר ר				
	76 Wentworth Park Road.jpg	1		Wentworth Park Road	332682.8		2.03		P				
520997	78 Wentworth Park Road jpg	1	78	Wentworth Park Road	332680.2	6250055.5	2.20	3.11	P	1			
520998	80-82 Wentworth Park Road.jpg			Wentworth Park Road	332665.1	6250068.4	2.18						
	80-82 Wentworth Park Road.jpg	1	Unit 2/80-82	Wentworth Park Road	332660.6		2.14		S	<u> </u>			<u> </u>
	80-82 Wentworth Park Road.jpg 80-82 Wentworth Park Road.jpg	1	Unit 3/80-82	Wentworth Park Road Wentworth Park Road	332656.1 332652.1	6250076.2 6250079.5	2.14 2.15		S				
	80-82 Wentworth Park Road.jpg			Wentworth Park Road	332648.1	6250083.3			5				
	80-82 Wentworth Park Road.jpg	1	Unit 6/80-82	Wentworth Park Road	332644.2	6250087.1	2.06	3.12	S	1			
	80-82 Wentworth Park Road.jpg			Wentworth Park Road	332640.9		2.06 2.02		-				
	80-82 Wentworth Park Road.jpg		1 1 Init 0/00 00	Wentworth Park Road	332638.1	6250093.4	0.00	3.12	S	1			1

				1				RESIDEN	TIAL BUILDING		NON-RESIDENTIAL BUILDING		
Parcel Tags as on Council Cadastre (GIS Tag)	Photo Name	Number of Buildings Street Number Street Name Easting (m) Northing (m) Indicative Ground Level (mAHD) Lowest Habitable (mAHD) Floor Construction Pier (P) Type Commercial (C) Name and Nature of Use/Business Buildings Number Street Name Easting (m) Northing (m) Indicative Ground Level (mAHD) Lowest Habitable Floor Level (m AHD) Floor Construction Pier (P) Type Commercial (C) Name and Nature of Use/Business Buildings Street Name Street Name Content of Mathematication Street Name Name and Nature of Use/Business		Lowest Floor Level (mAHD)	Floor Construction Pier (P) Slab (S) Other (describe)								
521613	2 Bridge Road.jpg	1		Bridge Road	332569.1	6250109.0	2.00			C	Kauri Foreshore Hotel - Pub	-0.02	
	4 Bridge Road.jpg	1		Bridge Road	332554.4		1.99			C	Carnival & Party Warehouse - Party supplies retailer	2.45	
	<u>6 Bridge Road.jpg</u> 8 Bridge Road.jpg	1		Bridge Road Bridge Road	332538.7 332529.3	6250087.1 6250080.8	2.02 2.02			C C	Flat - Furniture supplier Hello Happy Pty Ltd	2.20 2.29	
	10 Bridge Road.jpg	1		Bridge Road	332529.3		2.02			C	Ruby Star Traders - Furniture retailer	2.29	
	12 Bridge Road.jpg	1		Bridge Road	332501.0	6250060.9	1.98				Osmond Air Services - Air conditioning installers	2.33	S 5
	14-18 Bridge Road.jpg	1		Bridge Road	332488.5	6250052.4	2.03			C	BWS - Liquor retailer	3.09	-
	20 Bridge Road.jpg	1		Bridge Road	332470.9		2.38			C	Reece Plumbing - Plumbing supplies retailer	2.77	
522343	38 Burton Street.jpg	1		Burton Street	332305.0	6250066.9	8.54	8.97	Р				
525509	<u>137 Broadway.jpg</u>	1		Broadway	333343.8		5.68			С	Project 8 Café	5.28	
	139 Broadway.jpg	1		Broadway	333338.8		5.68			C	Electric Monkeys	5.28	
	141 Broadway.jpg	1		Broadway	333333.9		5.68			C	Chubby Girl's Bunz Shop - Bakery	5.28	
	143 Broadway.jpg	1		Broadway	333329.1	6249232.1	5.18			C	Tattoo World	5.28	
526433	145 Broadway.jpg 86 Cleveland Street.jpg	1		Broadway Cleveland Street	333323.8 333195.5		5.18 11.42	11.74		С	ICM Mobile Phone Access	5.28	S S
526433	88 & 90 Cleveland Street.jpg	1		Cleveland Street	333195.5	6248790.3	11.42	11.74					
	89 & 90 Cleveland Street.jpg.jpg	1		Cleveland Street	333204.5		11.33	11.50					
	97 Cleveland Street.jpg	1		Cleveland Street	333189.4	6248749.1	11.59	11.75					
	99 Cleveland Street.jpg	1		Cleveland Street	333193.8		11.44	11.55					
	101 Cleveland Street.jpg	1	101	Cleveland Street	333198.8	6248746.6	11.42			С	Thai Tha Hai - Restaurant	11.78	S&P
	9-15 MacArthur Street.jpg	1		MacArthur Street	333115.7	6249562.2	3.87	5.32					
614246	<u>93 Glebe Street.jpg</u>	1		Glebe Street	332733.3	6249540.5	11.26	11.39					
	95 Glebe Street.jpg	1		Glebe Street	332730.0	6249543.5	11.22	11.39					
	97 Glebe Street.jpg	1		Glebe Street	332725.3		11.02	11.44	S				
	<u>99 Glebe Street.jpg</u> 101 Glebe Street.jpg	1		Glebe Street Glebe Street	332721.4 332717.6	6249547.3 6249550.0	10.98 10.87	11.12 11.14	S S				
	103 Glebe Street.jpg	1		Glebe Street	332717.0		10.87	11.14	-				
	96 Mitchell Street.jpg	1		Mitchell Street	332708.1	6249579.7	9.46	9.90					
	98 Mitchell Street.jpg	1		Mitchell Street	332705.9		10.43	10.06					
	100 Mitchell Street.jpg	1		Mitchell Street	332703.4	6249574.1	10.43	10.32					
	102 Mitchell Street.jpg	1	102	Mitchell Street	332701.3	6249571.2	10.88	10.63					
	104 Mitchell Street.jpg	1		Mitchell Street	332699.4	6249567.8	10.88	10.96					
	12 Phillip Street.jpg	1		Phillip Street	332793.9		5.64	7.05	P				
	15 Broughton Street.jpg	1		Broughton Street	332769.4	6249613.3	8.06	8.58	P				
622677	24 Broughton Street.jpg 24a Broughton Street.jpg	1		Broughton Street Broughton Street	332750.2 332744.5	6249581.1 6249586.3	8.57 8.43	10.57 10.06	P			-	
	82 Mitchell Street.jpg	1		Mitchell Street	332731.0		8.82	9.37	P F				
	84 Mitchell Street.jpg	1		Mitchell Street	332727.9				P				
	88 Mitchell Street.jpg	1	88	Mitchell Street	332721.4		9.30	9.72	P				
	92 Mitchell Street.jpg	1	92	Mitchell Street	332718.0								
622757	90 Glebe Street.jpg	1	90	Glebe Street	332720.3	6249507.0	11.31	12.24	P			<u> </u>	<u> </u>
	92 Glebe Street.jpg	1		Glebe Street	332714.0		11.30	11.87	P				
	94 Glebe Street.jpg	1		Glebe Street	332707.6	6249516.9	10.97	11.49					
	<u>96 Glebe Street.jpg</u>	1		Glebe Street	332701.5		11.02	11.54					
	<u>98 Glebe Street.jpg</u> 100 Glebe Street.jpg	1		Glebe Street Glebe Street	332695.1 332688.2	6249526.1 6249530.4	11.12 11.26	11.62 11.69					
	106a Mitchell Street.jpg	1		Mitchell Street	332683.2		12.13	12.58	1	+			+
	106 Mitchell Street.jpg	1		Mitchell Street	332681.1	6249542.3	12.13						
	108 Mitchell Street.jpg	1		Mitchell Street	332675.8		12.72	13.03		ł			1
	110 Mitchell Street.jpg	1	110	Mitchell Street	332673.2	6249535.8	12.86	13.04	Р				
	112 Mitchell Street.jpg	1		Mitchell Street	332671.0		12.97	13.04					
	41 Campbell Street.jpg	1		Campbell Street	332693.9		13.00	13.20					
	43 Campbell Street.jpg	1		Campbell Street	332691.6		12.93		P			<u> </u>	<u> </u>
	45 Campbell Street.jpg	1		Campbell Street	332688.9		12.94						
	47 Campbell Street.jpg 49 Campbell Street.jpg	1		Campbell Street Campbell Street	332685.1 332681.6	6249486.6 6249489.3	12.85 12.94	13.18 13.15		+			-
	51 Campbell Street.jpg	1		Campbell Street	332681.6		12.94	13.15					
	53 Campbell Street.jpg	1		Campbell Street	332675.9		12.99			+			
	55 Campbell Street.jpg	1		Campbell Street	332673.1	6249495.9	13.10	13.22					
	120 Mitchell Street.jpg		100	Mitchell Street	332655.0					1		+	1

								RESIDE	NTIAL BUILDING		NON-RESIDENTIAL BUILDING			
Parcel Tags as on Council Cadastre (GIS Tag)	Photo Name	Number of Buildings	Street Number	Street Name	Easting (m)	Northing (m)	Indicative Ground Level (mAHD)	Lowest Habitable Floor Level (m AHD)	Floor Construction Pier (P) Slab (S) Other (describe)	Type Commercial (C) Industrial (I) Public (P)	Additional Comments	Name and Nature of Use/Business	Lowest Floor Level (mAHD)	Floor Construction Pier (P) Sla (S) Othe (describe)
521707	137 Bridge Road		137	Bridge Roa		6249747.7	17.05							
521711 521713	<u>143 Bridge Road</u> 145 Bridge Road		143 145		332375.9 332372.8		17.71 18.03							<u> </u>
519141	44 Talfourd Street		44		332351.9		16.23							
519143	46 Talfourd Street		46	Talfourd S	t 332349.4	6249779.8	16.33	17.89	S					
603543	79 Darling Street		79		332512.3		7.14							-
603544 520182	81 Darling Street 1-21 Bay Street		81 1 to 21		332509.1 332997.5		6.75	6.81	S	P	BROADWAY SHOPPING CENTRE CAR PARK		9.50	S
622429	10-16 Bay Street				333046.7		2.57	2.70	S S	I			9.00	5
637350	23-35 Bay Street				332994.3	6249319.2				Р	BROADWAY SHOPPING CENTRE CAR PARK		9.60	S
529440	1-3 Macarthur Street		1 to 3	Macarthur		6249573.3	4.32							
529441	5-7 Macarthur Street		5 to 7	Macarthur		6249573.9	4.17 3.84							
604411	17-19 Macarthur Street 385 Wattle Street		17 to 19 385	Macarthur Wattle Stre	333189.1	6249601.2 6249562.3	4.37	5.11	S	С	Paint Supplies Store		4.42	S
532651	387-429 Wattle Street				333219.7		4.27			C	Petrol Station		4.40	S
532659	435 Wattle Street		435	Wattle Stre	333273.3	6249485.2	4.81	5.05						
532661	437 Wattle Street		437		333275.1		4.81							
532663 532665	439 Wattle street		439 441		33276.9 333278.8		4.81 4.81							ŀ
532669	441 Wattle street			Wattle Stre		02494/4.4	4.01	5.05	5		NO HEIGHTS NEEDED AS BUILDING IS CONSTRUCTED			
630976	485-501 Wattle street				333344.3	6249344.9	6.08						6.55	S
631133	507 Wattle Street		507	Wattle Stre	333349.7	6249311.8	6.76	6.31						
630979	503 Wattle Street		503		333321.7		6.26							
532677	513 to 519 Wattle Street				333363.7		6.54	7.47	7	D	Notes Domo University		0.10	<u> </u>
525492 525493	<u>104-110 Broadway</u> 112-126 Broadway			Broadway Broadway		6249193.1 6249190.3	8.17 8.11			C P	Notre Dame University Café		9.13 8.20	S S
525494	128 Broadway		128	Broadway	333270.3	6249187.5	7.80			0	University		7.97	S
525500	129-135 Broadway			Broadway	333357.6	6249225.8	7.83			С	Restaurant		7.96	S
525515	142-152 Broadway			Broadway		6249186.1	8.46			Р	Carpark		8.48	S
533573 606602	147-171 Broadway			Broadway		6249220.5 6249219.1	7.42 8.46			C C	Restaurant		7.54 8.48	S S
522674	<u>173-179 Broadway</u> 2-14 Mountain Street		2 to 14	Broadway Mountain S		6249219.1	4.27		S S	0	Bakery		0.40	3
	16-20 Mountain Street		16 to 20	Mountain S		6249473.2	4.50							
600502	22-36 Mountain Street		22 to 36	Mountain S	333233.1	6249563.7	4.52	4.52	2 S					
522690	38-44 Mountain Street		38 to 44	Mountain S		6249350.1	5.73							
533570	52 Mountain Street		52	Mountain S		6249310.8	7.28							
531302	46-52 Mountain Street 13-15 Smail Street					6249332.5 6249359.8	6.04 5.15							[
531301			11		333232.5		5.09					1		
525704	4-12 Buckland Street			Buckland S	333310.0	6249108.0	8.33	9.47	Ś Ś					
525725	19-21 Buckland Street			Buckland S		6249166.0	7.79							
	23-35 Buckland Street 14-16 Buckland Street				333296.0 333316.0	6249080.0 6249046.0	8.33 9.00							
	18-20 Buckland Street					6249046.0	9.00							
525737	57-75 Buckland Street			Buckland S	333280.0	6248981.0	9.61	10.06	S S					
525733	30 Buckland Street		30		333297.0		9.69							
529083	34 Buckland Street		34 82 to 85		333289.5		10.16							
525743 525736	83-85 Buckland Street 36 Buckland Street		83 to 85 36		333265.5 333281.1		10.07 10.29							
624757					333238.0		10.29							
530142			42 to 44	Pine Stree	1 333229.0	6248922.0	10.39					1		
622428	62-64 Pine Street		62 to 64	Pine Stree	1 333201.0	6248835.0	11.21	11.35	i S					
522780						6248875.6	10.40		5 S		DADI		10.00	
522773	70-80 Myrtle Street 61-63 Myrtle Street				333221.0	6248900.0 6248867.0	10.88 11.16		s S	Ч	PARK		10.88	Grass
522764	<u>61-63 Myrtle Street</u> <u>65 Myrtle Street</u>		65	Myrtle Stre	333252.0	6248855 0	11.09							[
523502	5040 Paints Lane		5040			6248904.0	10.10		.		SUBSTATION			
	92-120 Cleveland Street	•				6248777.0	11.36		' S	R&C	Also Known As No.100 "Dolphin Square"			

Floor Level Survey (undertaken in 2013 as part of Blackwattle Bay Floodplain Risk Management Study)

								RESIDE	NTIAL BUILDING		NON-RESIDENTIAL BUILD	ING		
Parcel Tags as on Council Cadastre (GIS Tag) 529093	Photo Name	Number of Buildings	Street Number	Street Name	Easting (m) 333338.5	Northing (m)	Indicative Ground Level (mAHD) 11.35	Lowest Habitable Floor Level (m AHD) 11.76	(describe)	Type Commercial (C) Industrial (I) Public (P)	Additional Comments	Name and Nature of Use/Business		Floor Construction Pier (P) Slab (S) Other (describe)
529095	31 Levey Street		31			6248940.9	11.36							
529098	<u>33 Levey Street</u>		33	Levey Stre	333345.8	6248941.2	11.45							
529100	35 Levey Street		35		333349.5		11.47	11.77						
529102 529104	37 Levey Street 39 Levey Street		37 39		333353.2	6248941.8 6248942 1	11.56 11.64		S S					
202399	188 Chalmers Street		188			6248700.0	30.24		S S	С	Reece Bathroomsat Street Level & Residential Above		30.43	
	1-89 Buckingham Street		61 to 89		334196.0		31.57	32.06		С				
175722 175723	91 Buckingham Street		91 93		334188.6	6248650.1 6248645.8	31.93 32.08							
	93 Buckingham Street		108			6248679.8	32.00	32.39						
175734	110 Buckingham Street		110			6248675.5	31.74	32.43						
528878	4-8 Kelly Street		4 to 8		333105.6		4.76		S					
528881 623775	25 Kelly Street 118 Mitchell Street		25 118		333226.5 332660 1	6249494.5 6249523.5	4.14 13.55							
521900	17-31 Cowper Street		17 to 31		332879.8		2.33							
520965	A Wentworth Park Road		2A	Wentworth		6249777.4	2.33	3.33	S					
520965 520984	D Wentworth Park Road		2D 40 to 46	Wentworth Wentworth		6249767.9 6249927.6	2.45 2.38	3.32	S S	С	GLENMORE MEAT FACTORY		2.44	S
522344	40 Burton Street	<u>10</u>	40	Burton Stre		6250081.6	9.70		S	-	SUBSTATION		9.92	0
	38 Burton Street		38	Burton Stre	332314.3	6250075.7	8.51	8.92						
	36 Burton Street		36	Burton Stre			7.74							
520951 520950	80 Forsyth Street		80	Forsyth Str		6250307.1 6250303.5	4.46 4.64							
520950	78 Forsyth Street 76 Forsyth Street		78 76	Forsyth Str Forsyth Str			4.64							
520948	74 Forsyth Street		74	Forsyth Str		6250295.9	5.04							
520947	72 Forsyth Street		72	Forsyth Str	332260.9	6250292.7	5.18	6.77						
520946	70 Forsyth Street		70	Forsyth Str		6250290.2	5.29							
520945 520944	68 Forsyth Street		68 66	Forsyth Str Forsyth Str		6250287.5 6250284.8	5.70 5.97	6.74 7.75						
520944	66 Forsyth Street 64 Forsyth Street		64	Forsyth Str			6.24							
520646	29-31 Cook Street		29 to 31		332188.0		2.11	2.36			Level Ground floor Unit S.E Corner Property			
519070	18 Oxley Street		18		331943.0		11.74				Bottom Residentail Slab above Garage Levels			
521449	7-23 Stewart Street		7 to 23	Stewart Str		6250476.0	11.74				Lowest Level Eastern Tower			
608938 519208	<u>14 Griffin Place</u> 2 Garran Lane		14 2	Griffin Plac Garran Lar		6250370.0 6250311.2	2.76 5.22							
519209	3A Garran Lane		3A	Garran Lar		6250320.0	3.76				Level of Lower Dwelling of Former No.3 Garren Lane			
187364			55			6248520.0	17.36							
187362	53 Calder Road		53			6248520.0	17.32							
187360 187358	51 Calder Road 49 Calder Road		51 49			6248521.2 6248521.5	17.71 17.68							
187356	47 Calder Road		47			6248523.7	17.67							
187354	45 Calder Road		45	Calder Roa	333054.9	6248524.0	17.70	18.19	S					
187352	43 Calder Road		43			6248526.0	17.77							
187350 202235	41 Calder Road 39 Calder Road		41 39			6248527.3 6248528.0	17.77 17.87							
187346	<u>39 Calder Road</u> <u>37 Calder Road</u>		39			6248528.0	17.67							
187344	35 Calder Road			Calder Roa	333073.0	6248531.0	17.44	18.21	Р					
187342	33 Calder Road		33			6248532.0	17.44							
202234	31 Calder Road		31 29			6248533.0	17.49 17.49							
187338 187336	29 Calder Road 27 Calder Road		29 27			6248535.0 6248536.0	17.49							
202233	25 Calder Road		25			6248537.0	17.45			<u> </u>				
526407	61 Cleveland Street		61	Cleveland	333110.0	6248774.0	13.30	13.68	P					
	63 Cleveland Street		63			6248772.0	13.12							
	65 Cleveland Street 95 Cleveland Street		65 95			6248772.0	13.02							
	<u>95 Cleveland Street</u> 57-163 Cleveland Street	ł	95 157 to 163	Cleveland		6248763.0 6248719.0	11.68 15.80				Corner Abercrombie &Cleveland(Building under Construction)			
194701		<u>.</u>	43 to 47			6248726.0	12.10		P P	С				
194703	49-53 Vine Street			Vine Street	333159.0	6248729.0	12.51	12.60	S	С				
194705	55 Vine Street					6248730.9	12.83							
194707 202730	57 Vine Street 59 Vine Street		57 59			6248731.7 6248732.3	12.86 13.04							
202/30			55	VILLE OLICEI	000109.0	02+0132.3	13.04	13.30	F					