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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 m³/s has an AEP of 5%, it means that there is a 5% chance (that is one-in-20 chance) of a 500 m³/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. Properties, villages and towns can be isolated.
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.





APPENDIX B: IDENTIFICATION OF POTENTIAL FLOOD LIABLE BUILDINGS

B1. Introduction

As a precursor to the future Floodplain Risk Management Study and Plan and to further investigate potentially flood liable regions within the catchment, selected properties have been surveyed to identify potential flood liable buildings. The selected properties are displayed in Figure B1 and were chosen using the two step method described below:

- 1. The 1% AEP design flood depth grid was inspected using a GIS program. Properties in the immediate vicinity of flood depths greater than 0.5 metres were noted as being in a flood prone region; and then
- 2. Using Google Earth the tagged properties were visually inspected to determine if over floor inundation may be possible during a flood event. Generally, properties that have floor levels approximately at or below the kerb level were identified as potentially flood liable and were selected for detail floor level survey.

Using the surveyed floor levels and modelled design flood levels, the flood liability of the selected properties was able to be determined.



Parcel	Photo Name	Number	Street	Street Name	Easting (m)	Northing (m)	Indicative	Lowest	Floor	Туре	Name and Nature of Use/Business	Lowest	Floor
Tags as on		of	Number		J ()		Ground Level	Habitable	Construction	Commercial (C)		Floor	Construction
Council Cadastre		Buildings	3				(mAHD)	Floor Level (m AHD)	Pier (P) Slab (S)	Industrial (I) Public (P)		Level (mAHD)	Pier (P) Slab (S)
(GIS Tag)								(III AND)	Other	Public (P)		(ШАПО)	Other
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	2 Pembroke Street.jpg	1		Pembroke Street	334165.4	6248647.7	30.46		Р	0 /D		22.24	
	208 Chalmers Street.jpg Shop 1, 330 Wattle Street.jpg	1		Chalmers Street Wattle Street	334140.4 333177.0		30.49 4.05			Com/Res C	Chalmers Convenience Store City Stationery (W C Penfolds) - Stationers	30.64 4.23	S S
	Shop 2, 330 Wattle Street.jpg	1	Shop 2, 330	Wattle Street	333169.2		3.88			Č	Li's Trading Pty Ltd - Catering equipment supplier	4.12	
	Shop 3, 330 Wattle Street.jpg	1	Shop 3, 330	Wattle Street	333159.4		3.89			С	Insanely Great Software - Computer Programmers	4.15	
515873	Shop 4, 330 Wattle Street.jpg 430 Wattle Street.jpg	1		Wattle Street Wattle Street	333154.0 332238.1	6249780.0 6249627.8	3.86 4.78			C	Nightingales - Bridal Shop Fantastic Gourmet - Fast food shop	4.18 5.02	
515874	432 Wattle Street.jpg	1		Wattle Street	333239.7	6249624.0	4.69	5.01	Р	0	Tantastic doublet Tast loca shop	0.02	0
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	36 Talfourd Street.jpg	1		Talfourd Street	332351.4	6249754.3	15.91		P				
	38 Talfourd Street.jpg	1		Talfourd Street	332348.1	6249759.5	15.99		Р				
E10126	39 Talfourd Street.jpg		20	Talfourd Street	332379.7	6249781.9	13.11	16.29	Р		NB: This level is Talfourd Street entry level - no access available to lower floor		
	40 Talfourd Street.jpg	1		Talfourd Street	332379.7		16.08		P P		available to lower floor		
									· · · · · · · · · · · · · · · · · · ·		NB: This level is Talfourd Street entry level - no access		
519138	41 Talfourd Street.jpg	1		Talfourd Street	332377.4	6249785.2	13.29		P		available to lower floor		
519139	42 Talfourd Street.jpg	1	42	Talfourd Street	332343.0	6249766.0	16.23	17.39	Р		NB: This level is Talfourd Street entry level - no access		
	43 Talfourd Street.jpg	1	43	Talfourd Street	332375.3	6249788.1	13.46	16.58	Р		available to lower floor		
519142	45 Talfourd Street.jpg	1	45	Talfourd Street	332373.1	6249791.0	13.67	14.53	Р				
519184	9 Phillip Street.jpg	1	9	Phillip Street	332819.6		5.72		P P				
	11 Phillip Street.jpg 13 Phillip Street.jpg	1		Phillip Street Phillip Street	332816.4 332813.8	6249670.8 6249673.1	5.57 5.56		<u>Р</u>				
519189	15 Phillip Street.jpg	1	15	Phillip Street	332811.2		5.39	5.77	P				
	35 Campbell Street.jpg	1		Campbell Street	332707.2		13.05		P				
519335	36 Campbell Street.jpg 37 Campbell Street.jpg	1	36	Campbell Street Campbell Street	332665.0 332704.3		13.22 13.02		<u>Р</u> Р				
519337		1		Campbell Street	332661.8		13.02		<u>г</u> Р				
519339	39 Campbell Street.jpg	1	39	Campbell Street	332701.6	6249483.9	12.99	13.20	Р				
519340	40 Campbell Street.jpg	1		Campbell Street	332658.9		13.22		P				
519342 519344	42 Campbell Street.jpg 44 Campbell Street.jpg	1	1 42	Campbell Street Campbell Street	332655.7 332652.8	6249467.7 6249470.2	13.28 13.14		<u>Р</u>				
	21-27 Wentworth Street.jpg	1		Wentworth Street	332833.7	6249695.3	3.34		S				
520908	23 Forsyth Street.jpg	1		Forsyth Street	332207.7	6250284.7	5.30		S				
	25 Forsyth Street.jpg 2 Wentworth Park Road.jpg	1		Forsyth Street Wentworth Park Road	332212.0 332872.0		5.15 2.39	5.34 2.94	S S				
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520967	6 Wentworth Park Road.jpg	1	6	Wentworth Park Road	332865.7	6249780.8	2.39	3.06	S				
	8 Wentworth Park Road.jpg	1		Wentworth Park Road	332862.1	6249784.0	2.39		S				
	10 Wentworth Park Road.jpg 12 Wentworth Park Road.jpg	1		Wentworth Park Road Wentworth Park Road	332858.4 332855.1	6249787.0 6249789.3	2.44 2.44		S S				
	48-64 Wentworth Park Road.jpg	1		Wentworth Park Road	332726.2		2.12		S				
	Unit 1, 66 Wentworth Park Road.jpg		Unit 1/66	Wentworth Park Road	332702.7	6250036.9	2.05	3.27	S				
	Unit 2, 66 Wentworth Park Road.jpg Unit 3, 66 Wentworth Park Road.jpg			Wentworth Park Road	332706.6		2.12		S S				
-	Unit 4, 66 Wentworth Park Road.jpg			Wentworth Park Road Wentworth Park Road	332708.7 332712.1		2.10 2.14		S				
	Unit 5, 66 Wentworth Park Road.jpg		Unit 5/66	Wentworth Park Road	332714.7	6250018.8	2.12	3.27	S				
	68 Wentworth Park Road.jpg	1		Wentworth Park Road	332694.0		2.02		P P				
	70 Wentworth Park Road.jpg 72 Wentworth Park Road.jpg	1		Wentworth Park Road Wentworth Park Road	332691.7 332688.9		2.04 2.06		<u>Р</u>				
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	78 Wentworth Park Road.jpg 80-82 Wentworth Park Road.jpg	1 1		Wentworth Park Road Wentworth Park Road	332680.2 332665.1		2.20 2.18		Р				
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-	80-82 Wentworth Park Road.jpg 80-82 Wentworth Park Road.jpg			Wentworth Park Road Wentworth Park Road	332648.1 332644.2		2.15 2.06		S				
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	4 Bridge Road.jpg	1		Bridge Road	332554.4		1.99			C	Carnival & Party Warehouse - Party supplies retailer	2.45	
521616	6 Bridge Road.jpg	1	6	Bridge Road	332538.7	6250087.1	2.02			C	Flat - Furniture supplier	2.20	S
	8 Bridge Road.jpg	1		Bridge Road	332529.3		2.02			С	Hello Happy Pty Ltd	2.29	
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521623	14-18 Bridge Road.jpg 20 Bridge Road.jpg	1 14 to 18 Bridge Road 1 20 Bridge Road	332488.5 332470.9	6250032.4	2.38			C	BWS - Liquor retailer Reece Plumbing - Plumbing supplies retailer	3.09	S S
	38 Burton Street.jpg	1 38 Burton Street	332305.0	6250066.9	8.54	8.97	D	U	neece Fluitibility - Fluitibility Supplies retailer	2.11	<u> </u>
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525509	139 Broadway.jpg	1 139 Broadway	333338.8	6249232.3	5.68			C	Electric Monkeys	5.28	S
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	86 Cleveland Street.jpg	1 86 Cleveland Street	333195.5	6248790.3	11.42	11.74	P P				
526435		1 88 Cleveland Street	333200.1	6248789.3	11.35	11.50	P				
	89 & 90 Cleveland Street.jpg	1 90 Cleveland Street	333204.5	6248787.8	11.29	11.52	P P				
526444		1 97 Cleveland Street	333189.4	6248749.1	11.59	11.75	P				
526445	99 Cleveland Street.jpg	1 99 Cleveland Street	333193.8	6248746.8	11.44	11.55	Р		7		
	101 Cleveland Street.jpg	1 101 Cleveland Street	333198.8	6248746.6	11.42			С	Thai Tha Hai - Restaurant	11.78	S&P
529443		1 9 to 15 MacArthur Street	333115.7	6249562.2	3.87	5.32	S				
614246		1 93 Glebe Street	332733.3	6249540.5	11.26	11.39	S				
	95 Glebe Street.jpg	1 95 Glebe Street	332730.0	6249543.5	11.22	11.39	S				
	97 Glebe Street.jpg	1 97 Glebe Street	332725.3	6249545.0	11.02	11.44	S				
	99 Glebe Street.jpg	1 99 Glebe Street	332721.4	6249547.3	10.98	11.12	S				
	101 Glebe Street.jpg	1 101 Glebe Street	332717.6	6249550.0	10.87	11.14	S				
	103 Glebe Street.jpg	1 103 Glebe Street	332714.0	6249552.5	10.85	11.10	S				
	96 Mitchell Street.jpg	1 96 Mitchell Street	332708.1	6249579.7	9.46	9.90	S				
	98 Mitchell Street.jpg	1 98 Mitchell Street	332705.9	6249576.7	10.43	10.06	S				
	100 Mitchell Street.jpg	1 100 Mitchell Street	332703.4	6249574.1	10.43	10.32	S				
	102 Mitchell Street.jpg	1 102 Mitchell Street	332701.3	6249571.2	10.88	10.63	S				
	104 Mitchell Street.jpg	1 104 Mitchell Street	332699.4	6249567.8	10.88	10.96	S				
622676	12 Phillip Street.jpg	1 12 Phillip Street	332793.9	6249614.9	5.64	7.05	Р				
	15 Broughton Street.jpg	1 15 Broughton Street	332769.4	6249613.3	8.06	8.58	Р				
622677	24 Broughton Street.jpg	1 24 Broughton Street	332750.2	6249581.1	8.57	10.57	Р				
	24a Broughton Street.jpg	1 24a Broughton Street	332744.5	6249586.3	8.43	10.06	Р				
	82 Mitchell Street.jpg	1 82 Mitchell Street	332731.0	6249605.1	8.82	9.37	Р				
	84 Mitchell Street.jpg	1 84 Mitchell Street	332727.9	6249601.4	9.10	9.37	Р				
	88 Mitchell Street.jpg	1 88 Mitchell Street	332721.4	6249593.0	9.30	9.72	Р				
	92 Mitchell Street.jpg	1 92 Mitchell Street	332718.0	6249589.3	9.50	9.73	Р				
622757	90 Glebe Street.jpg	1 90 Glebe Street	332720.3	6249507.0	11.31	12.24	Р				
	92 Glebe Street.jpg	1 92 Glebe Street	332714.0	6249511.8	11.30	11.87	Р				
	94 Glebe Street.ipg	1 94 Glebe Street	332707.6	6249516.9	10.97	11.49	Р				
	96 Glebe Street.jpg	1 96 Glebe Street	332701.5	6249521.9	11.02	11.54	Р				
	98 Glebe Street.jpg	1 98 Glebe Street	332695.1	6249526.1	11.12	11.62	P				
	100 Glebe Street.jpg	1 100 Glebe Street	332688.2	6249530.4	11.26	11.69	Р				
	106a Mitchell Street.jpg	1 106a Mitchell Street	332683.2	6249548.0	12.13	12.58	P				
	106 Mitchell Street.jpg	1 106 Mitchell Street	332681.1	6249542.3	12.43	12.57	P				-
	108 Mitchell Street.jpg	1 108 Mitchell Street	332675.8	6249538.8	12.72	13.03	Р				
	110 Mitchell Street.jpg	1 110 Mitchell Street	332673.2	6249535.8	12.86	13.04	P				-
	112 Mitchell Street.jpg	1 112 Mitchell Street	332671.0	6249531.4	12.97	13.04	P				
623773	41 Campbell Street.jpg	1 41 Campbell Street	332693.9	6249480.7	13.00	13.20	P				
323.70	43 Campbell Street.jpg	1 43 Campbell Street	332691.6	6249482.1	12.93	13.21	P				
	45 Campbell Street.jpg	1 45 Campbell Street	332688.9	6249484.2	12.94	13.20	P				
	47 Campbell Street.jpg	1 47 Campbell Street	332685.1	6249486.6	12.85	13.18	<u>'</u> Р				
	49 Campbell Street.jpg	1 49 Campbell Street	332681.6	6249489.3	12.94	13.15	P				
	51 Campbell Street.jpg	1 51 Campbell Street	332678.8	6249491.6	12.99	13.34	P				
	53 Campbell Street.jpg	1 53 Campbell Street	332675.9	6249494.0	12.98	13.22	P				
	55 Campbell Street.jpg	1 55 Campbell Street	332673.1	6249494.0	13.10	13.23	P P				
622775	120 Mitchell Street.jpg	1 120 Mitchell Street	332655.0	6249495.9	13.10	14.59	P				
023775	120 MILCHEII Street.jpg	1 120 WILCHEII Street	JJ2033.U	0249004.8	13.09	14.59	Г				

Floor Level Survey (undertaken in 2013)

								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) Slal (S) Other (describe)	
521707	137 Bridge Road					6249747.7	17.05								
521711 521713	143 Bridge Road				332375.9	6249736.3	17.71							<u> </u>	
521713	145 Bridge Road 44 Talfourd Street		145 44		332372.8 332351.9	6249734.0 6249776.3	18.03 16.23								
519143	46 Talfourd Street		44 46		332349.4	6249779.8	16.33								
603543	79 Darling Street				332512.3	6249962.9	7.14								
603544	81 Darling Street	8		Darling Str		6249967.8	6.75	6.81	S						
520182	1-21 Bay Street			Bay Street		6249303.7				Р	BROADWAY SHOPPING CENTRE CAR PARK		9.50	S	
622429	10-16 Bay Street				333046.7	6249622.9	2.57	2.70	S	P	DDOADWAY CHORDING OFNITRE CAR DARK		0.00		
637350 529440	23-35 Bay Street 1-3 Macarthur Street		23 to 35 1 to 3	Macarthur	332994.3 333060.7	6249319.2 6249573.3	4.32	5.01	S	Р	BROADWAY SHOPPING CENTRE CAR PARK		9.60	S	
529441	5-7 Macarthur Street			Macarthur		6249573.9	4.17								
604411	17-19 Macarthur Street		17 to 19	Macarthur		6249601.2	3.84								
602436	385 Wattle Street	3	385	Wattle Stre	333233.5	6249562.3	4.37			С	Paint Supplies Store		4.42	S	
532651	387-429 Wattle Street				333219.7	6249521.7	4.27			С	Petrol Station		4.40	S	
532659	435 Wattle Street				333273.3	6249485.2	4.81								
532661	437 Wattle Street				333275.1	6249481.5	4.81								
532663 532665	439 Wattle street 441 Wattle street			Wattle Str		6249477.9 6249474.4	4.81 4.81							<u> </u>	
532669	441 Wattle street			Wattle Stre		6249474.4	4.81	5.05	5		NO HEIGHTS NEEDED AS BUILDING IS CONSTRUCTED				
630976	485-501 Wattle street				333344.3	6249344.9	6.08				NO FIEIGHTS NEEDED AS BOILDING IS CONSTRUCTED		6.55	S	
631133	507 Wattle Street				333349.7	6249311.8	6.76			•			0.00		
630979	503 Wattle Street	Ę			333321.7	6249328.6	6.26	6.14							
	513 to 519 Wattle Street	5	513 to 519	Wattle Stre	333363.7	6249305.4	6.54	7.47							
525492	104-110 Broadway				333373.9	6249193.1	8.17			Р	Notre Dame University		9.13	S	
525493	112-126 Broadway				333328.4	6249190.3	8.11			С	Café		8.20	S	
525494	128 Broadway				333270.3	6249187.5	7.80			P	University		7.97	S	
525500 525515	<u>129-135 Broadway</u> 142-152 Broadway				333357.6 333237.1	6249225.8 6249186.1	7.83 8.46			C	Restaurant Carpark		7.96 8.48	S S	
533573	147-171 Broadway			Broadway		6249220.5	7.42			C	Restaurant		7.54	S	
606602	173-179 Broadway			Broadway		6249219.1	8.46			Č	Bakery		8.48	S	
522674	2-14 Mountain Street				333174.2	6249511.6	4.27	4.40	S						
	16-20 Mountain Street				333180.8	6249473.2	4.50								
	22-36 Mountain Street				333233.1	6249563.7	4.52								
522690	38-44 Mountain Street		38 to 44		333198.8	6249350.1	5.73								
533570	52 Mountain Street 46-52 Mountain Street		52 46 to 52		333284.5 333201.2		7.28 6.04								
531302	13-15 Smail Street				333198.0		5.15								
531301	11 Smail Street					6249369.7	5.09								
525704	4-12 Buckland Street	4				6249108.0	8.33								
525725	19-21 Buckland Street		19 to 21	Buckland S	333290.0	6249166.0	7.79	8.23							
	23-35 Buckland Street					6249080.0	8.33								
	14-16 Buckland Street					6249046.0	9.00								
	18-20 Buckland Street				333307.0	6249017.0	9.32							 	
525737 525733	57-75 Buckland Street 30 Buckland Street				333280.0 333297.0	6248981.0 6248985.0	9.61 9.69								
529083	34 Buckland Street				333289.5	6248954.7	10.16		_						
	83-85 Buckland Street				333265.5		10.07								
525736	36 Buckland Street				333281.1	6248925.1	10.29	12.44							
624757	28-32 Pine Street		28 to 32	Pine Stree	333238.0	6248951.0	10.18								
530142	42-44 Pine Street					6248922.0	10.39		II.						
622428	62-64 Pine Street						11.21								
522780	82-96 Myrtle Street					6248875.6	10.40		S	P	DADIA		10.00	0.000	
522773 522764	70-80 Myrtle Street					6248900.0 6248867.0	10.88 11.16		S	<u> </u>	PARK		10.88	Grass	
522768	61-63 Myrtle Street 65 Myrtle Street		65			6248855.0	11.09								
523502						6248904.0	10.10				SUBSTATION				
	92-120 Cleveland Street					6248777.0	11.36		S	R&C	Also Known As No.100 "Dolphin Square"				
526447	103 Cleveland Street		103			6248757.0	11.50			C	Mellenium Bar Restaurant and Pizzeria	<u> </u>		ſ 	

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529093 529095	29 Levey Street					6248940.7 6248940.9	11.35 11.36		S S					
529095	31 Levey Street 33 Levey Street				333342.3	6248941.2	11.45		S					
529100	35 Levey Street					6248941.5	11.47		S					
529102	37 Levey Street					6248941.8	11.56		S					
529104	39 Levey Street					6248942.1	11.64		S				00.40	
202399 175710	188 Chalmers Street i1-89 Buckingham Stree				334132.0 334196.0	6248700.0 6248699.0			S S	C	Reece Bathroomsat Street Level &Residential Above		30.43	
175710		<u> </u>			334188.6	6248650.1	31.93		P	O				
175723	93 Buckingham Street		93	Buckingha	334187.9	6248645.8	32.08	32.39	Р					
	108 Buckingham Street				334207.8				Р					
				Buckingha		6248675.5	31.74		P					
528878 528881	4-8 Kelly Street 25 Kelly Street				333105.6 333226.5	6249498.9 6249494.5	4.76 4.14		S S					
623775	118 Mitchell Street					6249523.5	13.55		S					
521900	17-31 Cowper Street		17 to 31	Cowper S	t 332879.8	6249710.0	2.33	3.34	S					
	A Wentworth Park Road					6249777.4	2.33		S					
520965	D Wentworth Park Road			Wentworth	332898.4	6249767.9			S		OLENMORE MEAT FACTORY		0.44	
520984 522344	-46 Wentworth Park Ros 40 Burton Street	<u>ad</u>			332784.0	6249927.6 6250081.6	2.38 9.70		S S		GLENMORE MEAT FACTORY SUBSTATION		2.44 9.92	
522344	38 Burton Street					6250075.7	8.51		S	ı	SUBSTATION		9.92	
	36 Burton Street				332319.0	6250069.0	7.74		S					
520951	80 Forsyth Street				332278.3	6250307.1	4.46		S					
520950	78 Forsyth Street			Forsyth St		6250303.5	4.64	6.83	S					
520949	76 Forsyth Street				332269.8	6250300.1	4.70		S					
520948	74 Forsyth Street			Forsyth St		6250295.9	5.04		S					
520947	72 Forsyth Street				332260.9	6250292.7	5.18		S					
520946 520945	70 Forsyth Street 68 Forsyth Street			Forsyth St	332257.7	6250290.2 6250287.5	5.29 5.70		S S					
520945	66 Forsyth Street				332250.9	6250287.3	5.70		S					
520943	64 Forsyth Street				332247.3	6250281.6	6.24		S					
520646	29-31 Cook Street				332188.0				S		Level Ground floor Unit S.E Corner Property			
519070	18 Oxley Street				331943.0	6250482.0			S		Bottom Residentail Slab above Garage Levels			
521449	7-23 Stewart Street				334981.0	6250476.0	11.74		S		Lowest Level Eastern Tower			
608938	14 Griffin Place				332224.0	6250370.0	2.76		S					
519208	2 Garran Lane				332188.8		5.22				Level of Level Division of Comments of Comments			
519209 187364						6250320.0 6248520.0	3.76 17.36		Р		Level of Lower Dwelling of Former No.3 Garren Lane			
187362	53 Calder Road					6248520.0	17.32		P					
187360	51 Calder Road					6248521.2			S					
187358	49 Calder Road					6248521.5	17.68		S					
187356	47 Calder Road					6248523.7	17.67		S					
187354	45 Calder Road					6248524.0	17.70		S					
187352	43 Calder Road					6248526.0	17.77		S					
187350 202235	41 Calder Road 39 Calder Road					6248527.3 6248528.0	17.77 17.87		S S					
187346	39 Calder Road 37 Calder Road					6248530.0	17.87		9 P					
187344	35 Calder Road					6248531.0	17.32		P					
187342						6248532.0	17.44		Р					
202234	31 Calder Road		31	Calder Ro	333080.0	6248533.0	17.49	18.23	Р					
187338	29 Calder Road					6248535.0	17.49		Р					
187336						6248536.0	17.45		Р					
202233 526407	25 Calder Road					6248537.0	17.45		<u>Р</u> Р					
526407	61 Cleveland Street 63 Cleveland Street					6248774.0 6248772.0			P P					
526410	65 Cleveland Street					6248772.0			P			+		
526443	95 Cleveland Street					6248763.0			P					
	57-163 Cleveland Stree	<u>et</u>	157 to 163	Cleveland	333447.0	6248719.0					Corner Abercrombie &Cleveland(Building under Construction)			
194701	43-47 Vine Street		43 to 47	Vine Stree	333181.0	6248726.0	12.10	12.26	Р	С				
194703						6248729.0	12.51		S	С				
194705						6248730.9			Р			<u> </u>		
194707	57 Vine Street					6248731.7 6248732.3	12.86		P P					
202730 202729	59 Vine Street 59 Vine Street					6248732.3	13.04 13.09		<u>Р</u>					
202123	61 Vine Street					6248733.0			<u>г</u> Р			1		

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194712	63 Vine Street		63		333127.0	6248734.0	13.20						
194713	65 Vine Street		65	Vine Stree		6248735.0	13.12						
519440	12 Junction Street		12		331763.0	6249192.0	14.32		S		Level Of Office at Rear of 3 Storey Building		
519440	12 Junction Street		12		331762.0	6249178.0		10.88	S	С	Level Floor Old Building Rear of Site		
521860	1A Hegarty Street		1A	Hegarty St		6249623.0	14.00		S		Bottom Floor of 3 Storey Brick Flats		
188501	16 Eveleigh Street		16	Eveleigh S		6248647.6	18.28						
193153	13 Renwick Street		13	Renwick S		6247555.6	26.48		S				
193154	15 Renwick Street		15	Renwick S		6247553.2	26.43		S				
193155	17 Renwick Street		17	Renwick S		6247552.0	26.36		S				
193156	19 Renwick Street		19	Renwick S		6247550.8	26.40						
193157	21 Renwick Street		21	Renwick S		6247549.7	26.40						
193158	23 Renwick Street		23	Renwick S		6248579.0	26.35		S				
246249	25-27 Renwick Street		25 to 27	Renwick S		6248576.8	26.35		S				
249952	29 Renwick Street		29	Renwick S	333726.9	6248569.0	26.29	26.56	S				
613353	35-37 Renwick Street		35 to 37	Renwick S	333724.0	6248549.7	26.51	26.72	S				
203082	32-134 Shepherd Stree	t	132 to 134	4 Shepherd	333064.0	6248657.0	14.47	14.60	S	P(COMMUNITY)			
183743	138 Shepherd Street		138	Shepherd	333052.6	6248622.9	14.98	15.20	Р	R			
183744	140 Shepherd Street		140	Shepherd	333051.3	6248619.1	14.98		Р	R			
202408	1-19 Regent Street		1 to 19	Regent Str	333724.1	6248648.0	28.22			С	Various Retail Stores	28.14	S
621684	21 Regent Street		21	Regent Str	336143.8	6248968.7	26.30			С	Various Retail Stores	26.95	S
518066	55-59 Regent Street		55 to 59	Regent Str	333772.0	6249050.0	17.81			С	Various Retail Stores	18.10	S
627845	60-65 Regent Street		60 to 65	Regent Str	333764.0	6249027.0	17.81			С	Various Retail Stores	17.81	S
515495	67-69 Regent Street		67 to 69	Regent Str	333757.0	6249020.0	17.94			С	Various Retail Stores	17.94	S
	71-75 Regent Street		71 to 75	Regent Str	333745.0	6249006.0	18.11			С	Various Retail Stores	19.16	S
518418	80 Broughton Street		80	Broughton	32498.2	6249935.8	6.75		S	P(COMMUNITY)	BROUGHTON ST CHILD CARE CENTRE	7.09	S
202206	12 Boundary Street		12		333135.0	6248876.0	13.06		Р	,			
522340	32 Burton Street		32	Burton Str		6250060.1	6.69		S				
522341	34 Burton Street		34	Burton Str		6250063.4	7.37		S				
522022	27 Cardigan Street		27	Cardigan S	332508.5	6249942.3	7.53	7.61	S				
522023	29 Cardigan Street		29	Cardigan S		6249936.4	7.01	7.18	S				
522024	31 Cardigan Street		31	Cardigan S		6249937.1	7.01	7.18					
201521	36-38 George Street		36 to 38	George St		6248550.2	26.51			Р	Carpark	26.73	S
514080	47-53 Jones Street		47 to 53	Jones Stre		6249954.8	3.12				School	4.42	S
521045	42 Lombard Street		42	Lombard S		6249961.2	19.41	20.60	S				
612303	1-73 Mount Vernon		1 to 73	Mount Ver		6249431.0	24.85		Р		Level Dwelling No.146 Corner St Johns Road and Mt Vernon Lane		
	2-8 Wentworth Street		2 to 8		332903.4		3.07						