












**FLOODING/DRAINAGE ISSUES IDENTIFIED FROM FIELD INSPECTION**

-  Catchment Boundary
-  <all other values>
-  Garage Below Road (G)
-  Floor Below Road (F)
-  Ponding (P)
-  Large Flow (L)
-  Flow Diversion (D)
-  No Flow Path (N)
-  Ground Floor Inundation (I)
-  Other (O)
-  Dual Category

Dual Category Locations		
Index	Categories	
1	P	I
4	P	D
21	P	I
28	P	D
29	P	D
35	I	F
36	I	F
39	P	F
44	P	I
47	P	I
56	P	I
61	G	F
63	P	I
78	P	I
79	P	I
102	P	I
103	P	I
106	N	I
117	P	I
118	P	I

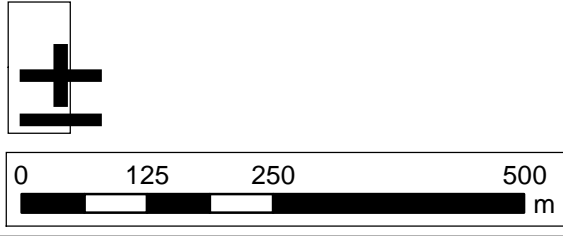
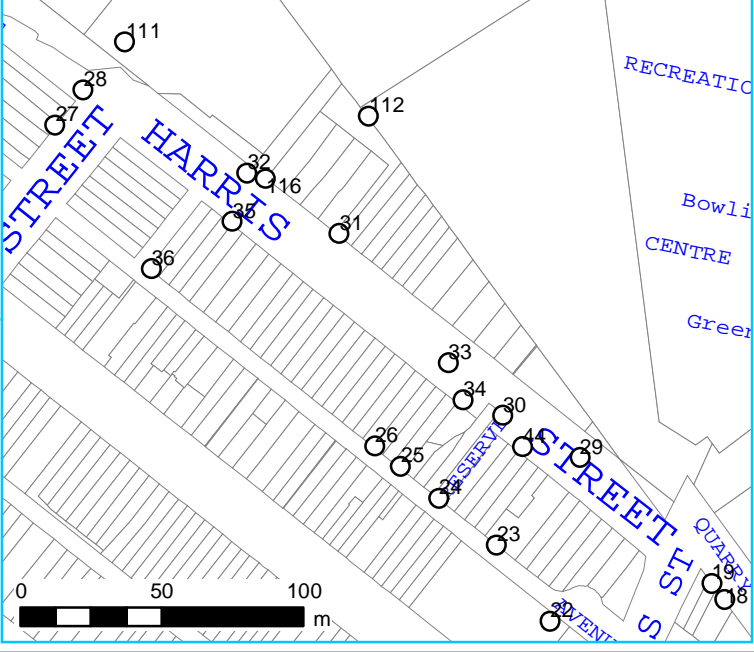
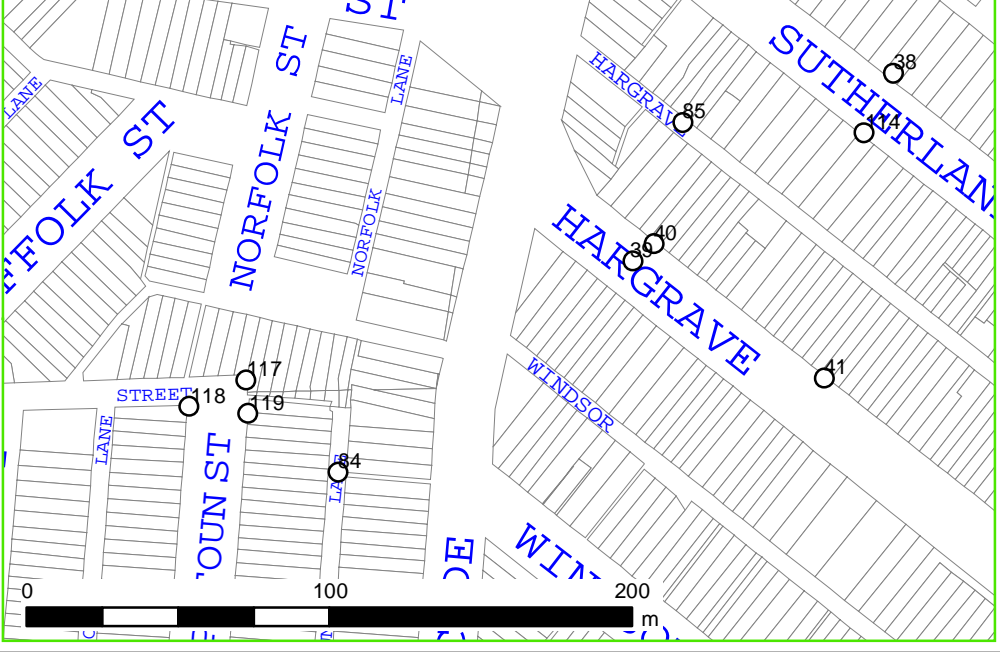
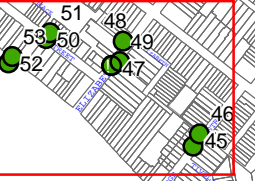
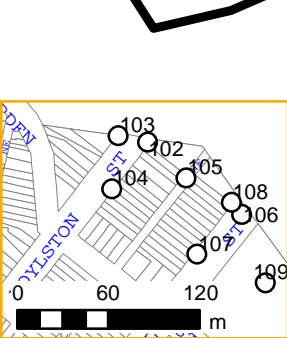
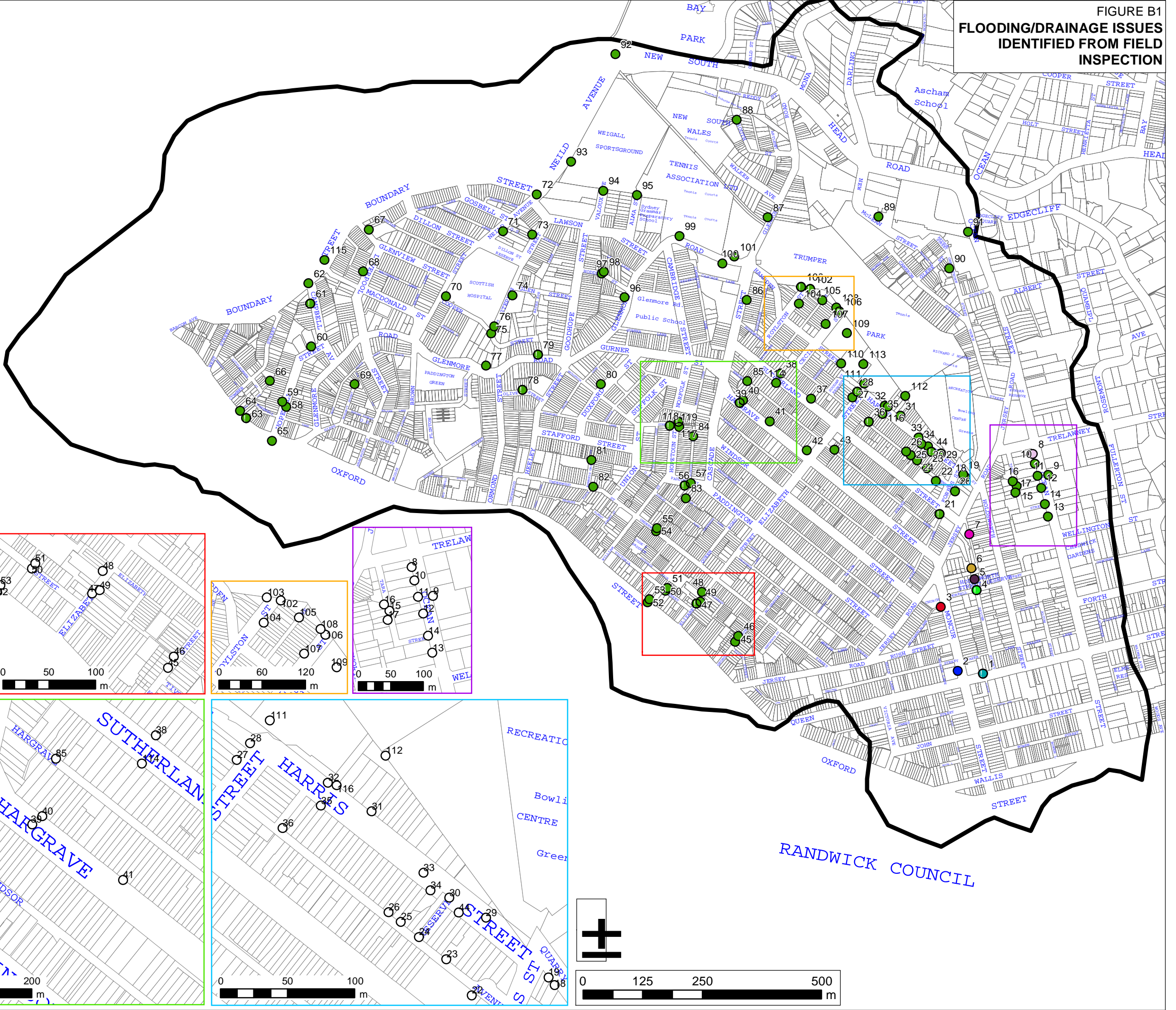


FIGURE B2  
LISTING OF FLOODING/DRAINAGE ISSUES

Locations With Flooding/ Drainage Issues Identified On Field Inspection			
Index No	Location	Categories	
1	126 Queen St	3	7
2	Moncur St	2	
3	Intersection Moncur St\Britannia Ln	3	
4	Intersection Morrell St\Spicer St	3	5
5	Path between Holdsworth Street Reserve and Holdsworth Community Centre	5	
6	Oul-de-sac of Spicer Ln	1	
7	Spicer Ln	4	
8	Ocean St	1	
9	Ocean St	1	
10	Ocean St	8	
11	76 Ocean St	2	
12	70 Ocean St	2	
13	Ocean St	1	
14	Intersection Ocean St\Tara St	5	
15	Tara St	3	
16	9 Tara St	5	
17	Tara St	7	
18	1 Quarry St	2	
19	3 Quarry St	2	
20	204 Jersey Rd (Photo taken from Forbes St at rear)	1	
21	223 Sutherland St	3	7
22	Sutherland Ave	8	
23	Sutherland Ave	7	
24	Sutherland Ave Street Reserve	5	
25	Sutherland Ave	2	
26	8 Sutherland Ave	2	
27	Elizabeth St	2	
28	Elizabeth St	3	5
29	Upper part of Harris St	3	5
30	Upper part of Harris St	5	
31	Upper part of Harris St	5	
32	Lower part of Harris St	5	
33	Lowermost part of Harris St	5	
34	End of lowermost part of Harris St	6	
35	45 Harris St	7	2
36	3-7 Harris St	7	2
37	Rear of 1 Harris St	2	
38	Sutherland St	2	
39	Sutherland St	3	2
40	Hargrave St	3	
41	8-10 Hargrave St	2	
42	52 Hargrave St	7	
43	88 Hargrave St	2	
44	Hargrave Ln	3	7
45	George St	3	7
46	22 George St	3	6
47	Elizabeth St	3	7
48	16 Elizabeth St	1	
49	25 Elizabeth St	7	
50	Victoria St	3	7
51	48 Victoria St	7	
52	380 Oxford St	3	7
53	380 Oxford St	7	
54	Underwood St	3	2
55	93 Underwood St	2	
56	19 Paddington St	3	7
57	21 Paddington St	5	
58	Hopewell St	3	
59	Hopewell St	2	

Locations With Flooding/ Drainage Issues Identified On Field Inspection			
Index No	Location	Categories	
60	56 Hopewell St	1	
61	Campbell ave	1	2
62	Intersection Boundary St\Campbell Ave	3	
63	84 Oxford St	3	7
64	78 Oxford St	7	
65	Oxford St	3	
66	Kidman Ln	6	
67	Glenview St	1	
68	Boundary Ln	5	
69	32 Prospect St	6	
70	Brown St	1	
71	Nield Ave	3	
72	Intersection Nield Ave\Boundary St	3	
73	Stephen St	2	
74	40 Stephen St	1	
75	Cooper St\Reserve	3	
76	Reserve\Tracktrail between Cooper St and Stephen St	5	
77	Glenmore Rd	2	
78	10 Olive st	3	7
79	Glenmore Rd	3	7
80	10 Duxford St	7	
81	Bennetts Grove Ave	3	
82	55 underwood St	7	
83	Ashton Ln	6	
84	Hopetoun Ln	3	
85	Hargrave Ln	3	
86	Cascade St	2	
87	Glenmore Rd (Close to culvert)	7	
88	Northern end of South St	3	6
89	New McLean St	1	
90	Great Thorne St	7	
91	Ocean St\Edgedcliff St	8	
92	Intersection Nield Ave\New South Head Rd	3	
93	Nield Ave\Sportsground	5	
94	Northern end of Valoux Ave	3	
95	Northern end of Alma St	3	
96	Glenmore Rd	8	
97	Hoddle St	3	7
98	16 Hoddle St	7	
99	Glenmore Rd	5	
100	357 Glenmore Rd	2	
101	Glenmore Rd	8	
102	North Eastern end of Royston Ave	3	7
103	North Eastern end of Royston Ave	3	7
104	Royston Ave	7	
105	Cecil Ln	6	
106	North Eastern end of Cecil St	6	7
107	36 Cecil St	7	
108	50-52 Cecil St	7	
109	Cecil St	7	
110	4 Hampden St	1	
111	6 Hampden St	1	
112	Close to Harris St	5	
113	6 Hampden Rd	7	
114	39 Sutherland St	7	
115	55 Boundary St	7	
116	Lowermost end of Harris St	6	
117	Nothern end of Hopetoun St	3	7
118	Nothern end of Hopetoun St	3	7
119	Nothern end of Hopetoun St	7	

Category	Explanation	No
1	Garage Below Road	14
2	Floor Below Road	23
3	Ponding	38
4	Large flow	1
5	Flow diversion	17
6	No Flow Path	9
7	Ground Floor Inundation	39
8	Other	5
	Total	146

Locations With Issues Reported Not Identified On Field Inspection		
Location	Issue Reported	Comment
John St near Ocean St	Localised drainage problems	
113 Jersey Rd	Major overland flows and severe flooding during stated events (1984, Jan 87, Jan 89, Apr 89, and Jan 91). (blamed on regrading of park in 1987, barricades now exist diverting flow and have prevented above floor flooding).	
86 Holdsworth St	Above floor flooding due to flows overtopping kerb in Holdsworth Street en route to Jersey Road.	Neither the model results for the 100ARI event nor the field inspection indicates any substantial flow down Holdsworth St adjacent to the property
173 Windsor St	Above floor level inundation.	
189 Paddington St	Below floor level inundation due to drainage problems.	
159 Paddington St	Ground seepage enters residence during storms.	Unfeasible to evaluate from visual inspection
133 Windsor St	Above floor flooding due to local drainage problem.	
121 Underwood St	Rising groundwater causes inundation of the basement during major storm events.	Unfeasible to evaluate from visual inspection
1 Tivoli St	Water up to 0.08 m at front of house (89), water tp 0.05 m below floor level (91).	
130 Underwood St	Property inundation to 0.3m, and above floor flooding to 0.05m (89), property inundation to 0.2m (91).	
184 Underwood St	Above floor flooding due to a drainage problem.	
18 Norfolk St	Above house floor level inundation to 0.08 m (has since been averted due to construction of a dwarf wall).	Outdated
21 Paddington St	Water to 0.15 m below floor level.	
14, 28, and 30 Windsor St	Inundation of below ground cellars.	
1 Gurner St	Groundwater seepage due to storm events.	Unfeasible to evaluate from visual inspection
280 and 311 Glenmore Rd	Groundwater seepage due to storm events.	Unfeasible to evaluate from visual inspection
Goodhope St	Flows to a depth of 0.15 m above	There is no indication of large flows down Goodhope
29 Lawson St	Above floor level inundation.	The house is situated almost on the crest of a hill, unlikely to be flooded by overland flows.
440 and 450 Glenmore Rd	Above floor level inundation.	
72 Brown St	Rising groundwater, up to 0.2m, after storm events	Unfeasible to evaluate from visual inspection

FIGURE B3a  
**REPORTED ISSUES BUT NOT INCLUDED IN FIELD INSPECTION**



**John St near Ocean St** Localized drainage problems



**113 Jersey Rd** Major overland flows and severe flooding during stated events (1984, Jan 87, Jan 89, Apr 89, and Jan 91). (blamed on regrading of park in 1987, barricades now exist diverting flow and have prevented above floor flooding).



**86 Holdsworth St** Above floor flooding due to flows overtopping kerb in Holdsworth Street en route to Jersey Road.



**173 Windsor St** Above floor level inundation



**159 Paddington St** Ground seepage enters residence during storms.



**133 Windsor St** Above floor flooding due to local drainage problem



**121 Underwood St** Rising groundwater causes inundation of the basement during major storm events.



**130 Underwood St** A Property inundation to 0.3m, and above floor flooding to 0.05m (89), property inundation to 0.2m (91).



**184 Underwood St** Above floor flooding due to a drainage problem



**14, 28, and 30 Windsor St** Inundation of below ground cellars



**14, 28, and 30 Windsor St** Rear



**21 Paddington St** Water to 0.15 below floor level.



**1 Gurner St** Groundwater seepage due to storm events.



**280 Glenmore Rd** Groundwater seepage due to storm events.



**Goodhope St** Flows to a depth of 0.15m on footpath reported. According to model no flow, but possibly up to 10m<sup>3</sup>/s.



**29 Lawson St** Above floor level inundation reported, but no potential flows causing it could be found.



**311 Glenmore Rd** Groundwater seepage due to storm events.



**440 and 450 Glenmore Rd** Above floor flooding reported, but no clear reason found.



**72 Brown St** Rising ground water reported after storm events. (Front and rear)



**LOCATIONS WHERE PROBLEMS HAVE BEEN REPORTED, BUT NO ISSUES COULD BE IDENTIFIED ON FIELD INSPECTION**



**John St near Ocean St** Localized drainage problems.



**113 Jersey Rd** Major overland flows and severe flooding during stated events (1984, Jan 87, Jan 89, Apr 89, and Jan 91). (blamed on regrading of park in 1987, barricades now exist diverting flow and have prevented above floor flooding).



**86 Holdsworth St** Above floor flooding due to flows overtopping kerb in Holdsworth Street en route to Jersey Road.



**173 Windsor St** Above floor level inundation.



**159 Paddington St** Ground seepage enters residence during storms.



**133 Windsor St** Above floor flooding due to local drainage problem



**121 Underwood St** Rising groundwater causes inundation of the basement during major storm events.



**1 Tivoli St** Water up to 0.08 m at front of house (89), water to 0.05 m below floor level (91).



**130 Underwood St** Property inundated to 0.3m, and above floor flooding to 0.05m (89), property inundation to 0.2m (91).



**184 Underwood St** Above floor flooding due to a drainage problem.



**14, 28, and 30 Windsor St** Inundation of below ground cellars.



**14, 28, and 30 Windsor St** Rear



**21 Paddington St** Water to 0.15m below floor level.



**1 Gurner St** Groundwater seepage due to storm events.



**280 Glenmore Rd** Groundwater seepage due to storm events.

FIGURE B3b cont.  
**LOCATIONS WHERE PROBLEMS HAVE BEEN REPORTED, BUT NO  
ISSUES COULD BE IDENTIFIED ON FIELD INSPECTION**



**311 Glenmore Rd** Groundwater seepage due to storm events.



**Goodhope St** Flows to a depth of 0.15m on footpath reported. According to model no flow, but possibly up to 10m<sup>3</sup>/s.



**440 and 450 Glenmore Rd** Above floor flooding reported, but no clear reason found.



**29 Lawson St** Above floor level inundation reported, but no potential flows causing it could be found.



**72 Brown St** Rising ground water reported after storm events (front and rear).





1. **Ponding & Ground Floor Inundation** Low point in road. Ponding and inundation of 126 Queen St reported.



2. **Floor Below Road** Bar cellar door on Moncur St



3. **Ponding** Localized flooding reported in Britannia Ln just off Moncur St



4. **Ponding & Flow Diversion** Low point in intersection forcing water through park to the right in picture



5. **Flow Diversion** Flowpath through park



6. **Garage Below Road**



7. **Large Flow** Alley way to take 10-20m<sup>3</sup>/s



8. **Garage Below Road** Ocean St



9. **Garage Below Road** Ocean St



10. **Other** Backyard or other properties at rear of building on Ocean St possibly inundated



11. **Floor Below Road** Ocean St



12. **Floor Below Road** Ocean St



13. **Garage Below Road** Ocean St



14. **Flow Diversion** Possible flow diversion into Tara St from Ocean St, which carries 1-2m<sup>3</sup>/s.



15. **Ponding** Low point in Tara St



16. **Flow Diversion** Previously inundated above floor level, but fence and garage now in place to divert flow



17. **Ground Floor Inundation** Example of surrounding properties that may now be at risk of inundation.



18. **Floor Below Road** Quarry St



19. **Floor Below Road** Quarry St



20. **Garage Below Road** Rear of 204 Jersey Rd



21. **Ponding & Ground Floor Inundation** Possibly property inundation, but the building is being refurbished



22. **Other** Carpark on Sutherland Ave potentially



23. **Ground floor Inundation** Example of property at risk at Sutherland Ave



24. **Flow Diversion** Possible flow path between the upper part of Harris St and Sutherland Avenue



25 & 26. **Floor Below Road** Examples of several properties on Sutherland Avenue with floors lower than the road



27. **Floor Below Road** Example of property on the north eastern end of Elizabeth St potentially inundated



28. **Ponding & Flow Diversion** Ponding and possibly flow diversion down the slope and over stairs



29. **Ponding & Flow Diversion** Upper part of Harris Street. Possible flow path (see 30) to left in picture



30. **Flow Diversion** Possible flowpath to lower Harris Street



31. **Flow Diversion** Continued flow path



32. **Flow Diversion** Lower part of Harris Street



33. **Flow Diversion** Possible flow path off the lower most part of Harris Street



34. **No Flow Path** Ponding and possibly floor inundation (see 116 for close up)



35. **Ground Floor Inundation or Floor Below Road** Properties with above floor level inundation recorded. Most likely flow from rear end where Sutherland Ave lies above floor level.



36. **Ground Floor Inundation or Floor Below Road** Properties on Harris St with above floor level inundation recorded. Flow most likely from rear end (Sutherland Ave)





37. **Floor Below Road** Rear end of previous properties (Sutherland Ave). Walls/fences offers protection from inundation to varying extent



38. **Floor Below Road** One of several properties potentially inundated on Sutherland St



39. **Ponding & Floor Below Road** Low point in road



40. **Ponding** Low point in Hargrave St.



41. **Floor Below Road** Low point in Hargrave St. Inundation of lower levels likely for several properties



42. **Ground Floor Inundation** Possibly floor inundation due to large flow on Hargrave St (5-10 m<sup>3</sup>/s).



43. **Floor Below Road** One of several properties along Hargrave St with floor levels below road level.



44. **Ponding & Ground Floor Inundation** Low point in road; possibly ponding and inundation above floor level.



45. **Ponding & Ground Floor Inundation** Low point in George St; possibly ponding and inundation above floor level.



46. **No Flow Path/Ponding** Drive way off George St.



47. **Ponding & Ground Floor Inundation** Low point in Elizabeth St; possibly ponding and inundation above floor level(see 49).



48. **Garage Below Road**



49. **Ground Floor Inundation** Example of house at risk of being inundated.



50. **Ponding & Ground Floor Inundation** Low point in Victoria St; possibly ponding and inundation above floor level(see 51).



51. **Ground Floor Inundation** Example of house at risk of being inundated.



52. **Ponding & Ground Floor Inundation** Low point in Oxford St; possibly ponding and inundation above floor level(see 53).



53. **Ground Floor Inundation** Example of properties at risk of being inundated.



54. **Ponding & Floor Below Road** Low point in Underwood St(see 55).



55. **Floor Below Road** Example of properties at risk of being inundated.



56. **Ponding & Ground Floor Inundation** Paddington St (see 57).



57. **Flow Diversion** Previous reports state water reached a level 0.15 m below the floor at No. 21. The protective walls at both No 21 and 19 could increase problems at adjacent properties.



58. **Ponding** Low point in Hopewell St(see 59).



59. **Floor Below Road** Example of properties at risk of being inundated.



60. **Garage Below Road** 56 Hopewell St.



61. **Garage Below Road & Floor Below Road** On Campbell Ave



62. **Ponding** Intersection Campbell ave\Boundary St



63. **Ponding & Ground Floor Inundation** Low point in Oxford St



64. **Flow Diversion** Possible flow path off Oxford St through Kidman Ln



65. **Ponding** Low point in Oxford St. Footpath reported to have been flooded previously



66. **No Flow Path** Downhill from Kidman Ln



67. **Garage Below Road**



68. **Flow Diversion** Possible flow path from Liverpool St through Boundary Ln to Boundary Street



69. **No Flow Path** Ponding and possibly floor inundation will occur at the northern end of Prospect St.



70. **Garage Below Road** The hospital car park could potentially be inundated by waters from Brown St.



71. **Ponding** Footpath lower than road



72. **Ponding** Intersection Boundary St\Nield Ave



73. **Floor Below Road** Example of property at risk of being inundated.



74. **Garage Below Road**



75. **Ponding** Low point in Cooper St. Water may flow into the reserve and down to Stephen St.



76. **Flow Diversion** Possible flow path from Cooper St to Stephen St



77. **Floor below Road** Example of property on Glenmore Rd at risk of being inundated.



78. **Ponding & Ground Floor Inundation** Example of property at risk of being inundated due to ponding at a low point in Olive St. However, only seepage reported though



79. **Ponding & Ground Floor Inundation** Low point in Glenmore Rd.



80. **Ground Floor Inundation** Example of property on Duxford St at risk of being inundated.



81. **Ponding** Gates blocking flow path down Bennetts Grove Ave



82. **Ground Floor Inundation** Properties at risk of being inundated on Underwood St.



83. **No Flow Path** Ponding in Ashton Lane



84. **Ponding** Hopetoun Ln low point.



85. **Ponding** Hargrave Ln low point.



86. **Floor Below Road** Example of property on Cascade St at risk of being inundated.



87. **Ground Floor Inundation** Properties on Glenmore Rd (close to culvert) at risk of being inundated.



88. **Ponding** South St low point



89. **Garage Below Road** Aldi car park/loading area at risk of being flooded



90. **Ground Floor Inundation** Property on Great Thorne St at risk of being inundated.



91. **Other** Edgecliff Station bus area at risk of being flooded by waters flowing down the ramps



92. **Ponding** Intersection Nield Ave and New South Head Rd



93. **Flow Diversion** Water could enter to the sportsground from Nield Ave



94. **Ponding** Possibly ponding at the end of Valoux Ave and flooding of the sportsground and adjacent properties.



95. **Ponding** Potentially flow from Alma St will pond at the end and inundate the sportsground and the tennis club parking space.



96. **Other** Property on Glenmore Rd at risk of being inundated, possibly garage.



97. **Ponding & Ground Floor Inundation** Ponding at a low point in Hoddle St and possibly inundation above floor level(see 98)



98. **Ground Floor Inundation** Property on Hoddle St at risk of being inundated.



99. **Flow Diversion** Possible flow path onto tennis courts from Glenmore Rd



100. **Floor Below Road** Property on Glenmore Rd at risk of being inundated.



101. **Other** Rear of property at risk of being flooded.



102. **Ponding & Ground Floor Inundation** Ponding at the end of Royston St and inundation above floor level



103. **Ponding & Ground Floor Inundation** Ponding at the end of Royston St and inundation above floor level



104. **Ground Floor Inundation** Example of properties on Royston Ave at risk of inundation.



105. **No Flow Path** Dead end on Cecil Ln likely to cause ponding and flooding of garages.



106. **No Flow Path** Ponding at the end of Cecil St and inundation above floor level



107. **Ground Floor Inundation** Example of properties on Cecil St at risk of inundation.



108. **Ground Floor Inundation** Example of properties on Cecil St at risk of inundation.



109. **Ground Floor Inundation** 14/17-23 Cecil St  
Example of properties at risk of inundation



110. **Garage Below Road** Garage on Hampden Street at risk of being inundated.



111. **Garage Below Road** Another garage on Hampden Street at risk of being inundated.



112. **Flow Diversion** Possible flow path from Harris St to Hampden St. (Continuation from 33)



113. **Ground Floor Inundation** Example of property on Hampden St at risk of inundation.



114. **Ground Floor Inundation** Property on Sutherland St with inundation reported. Walls could offer protection to some extent



115. **Ground Floor Inundation** Example of property on Boundary St at risk of inundation.



116. **No Flow Path** Close up of lower most part of Harris St (see also 34)



117. **Ponding & Ground Floor Inundation** Ponding at the end of Hopetoun St



118. **Ponding & Ground Floor Inundation** Ponding at the end of Hopetoun St



119. **Ground Floor Inundation** Example of property on Hopetoun St at risk of inundation.