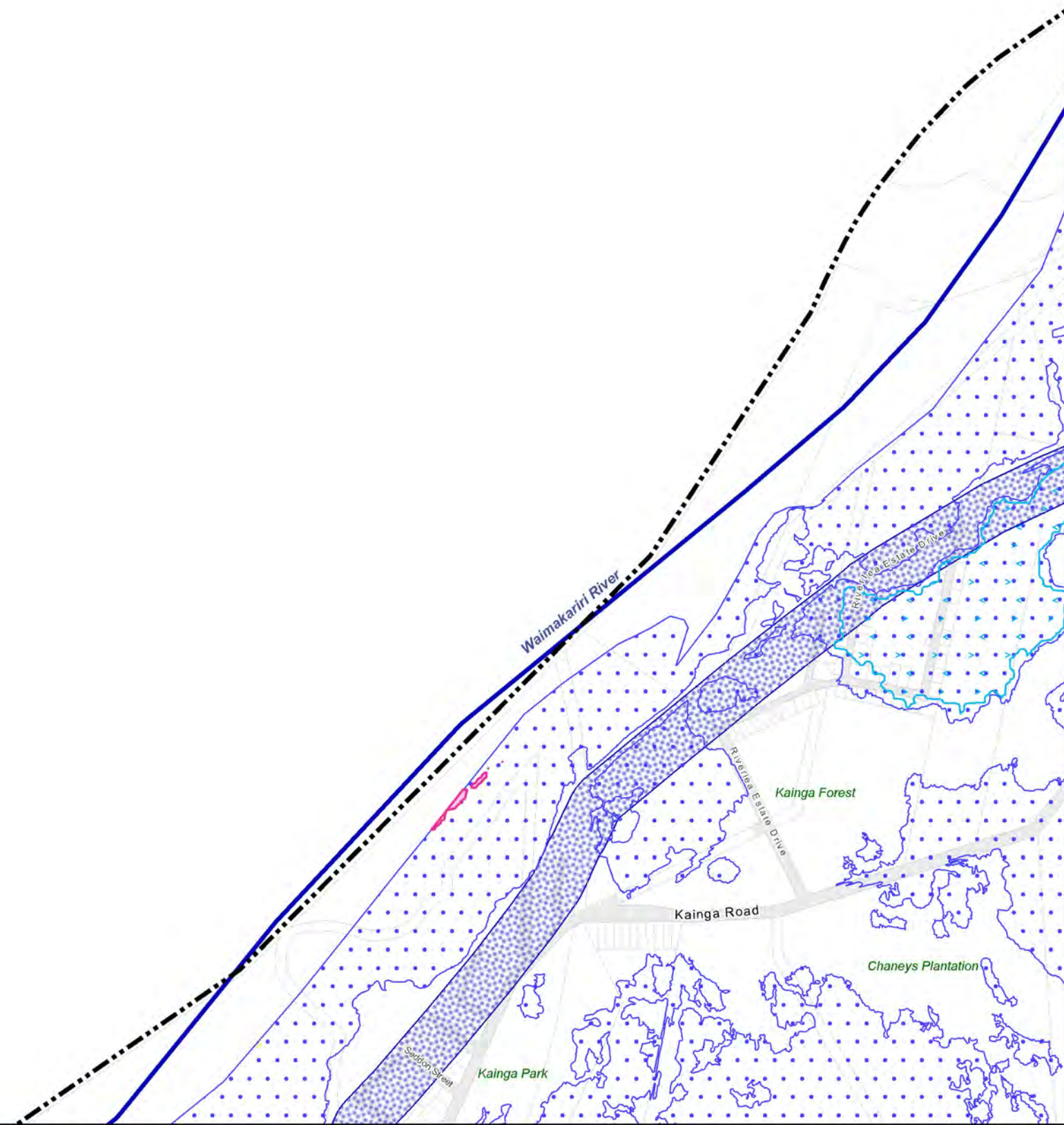


WAIMAKARIRI DISTRICT

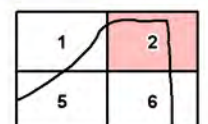
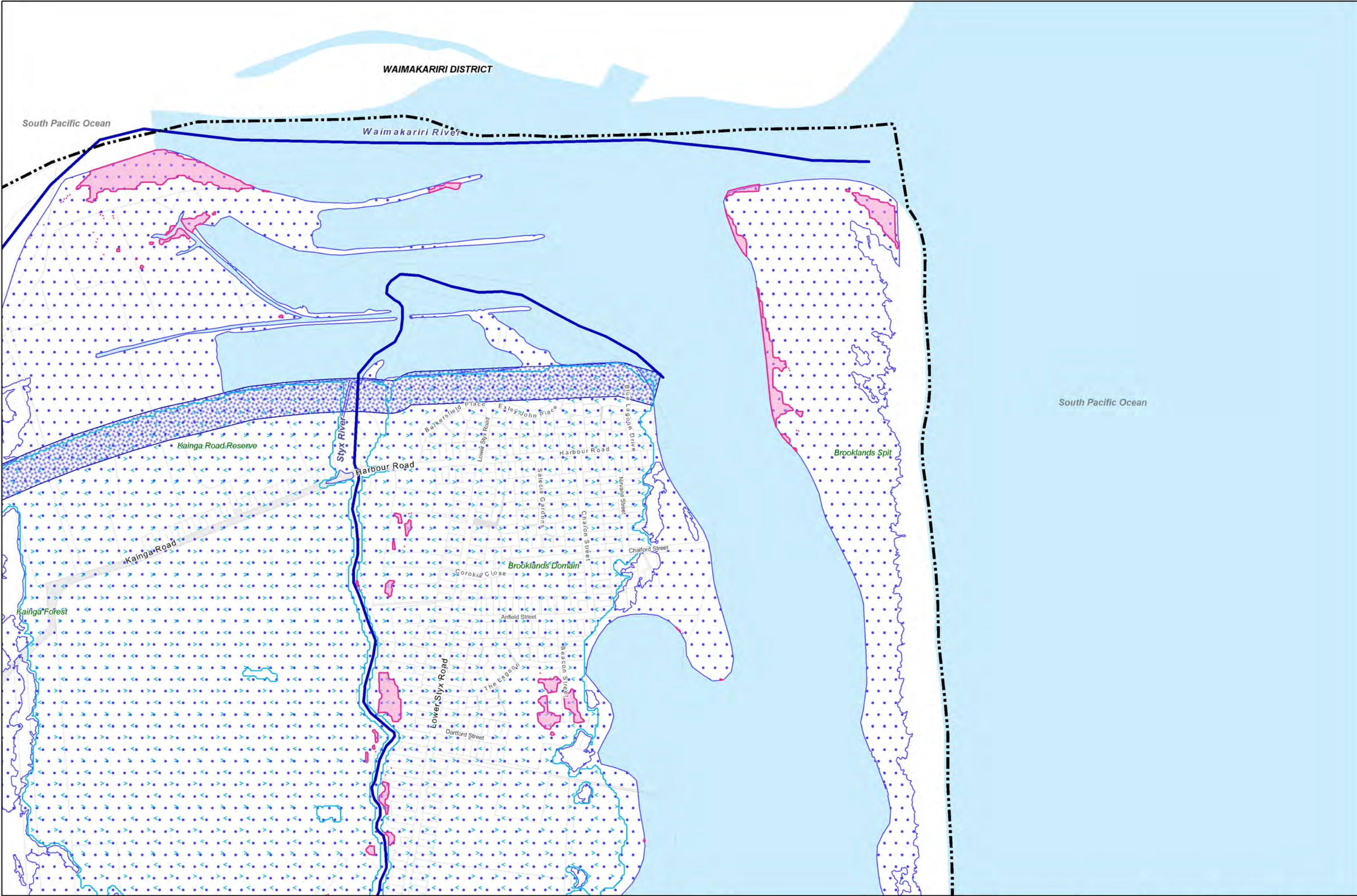


WAIMAKARIRI DISTRICT

South Pacific Ocean

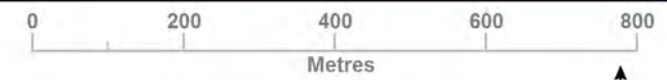
Waimakariri River

South Pacific Ocean



Planning Map 2
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

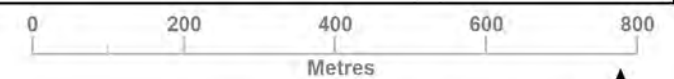


WAIMAKARIRI DISTRICT

Waimakariri River

Planning Map 3
High Hazard
0m Sea Level Rise (SLR) Scenarios

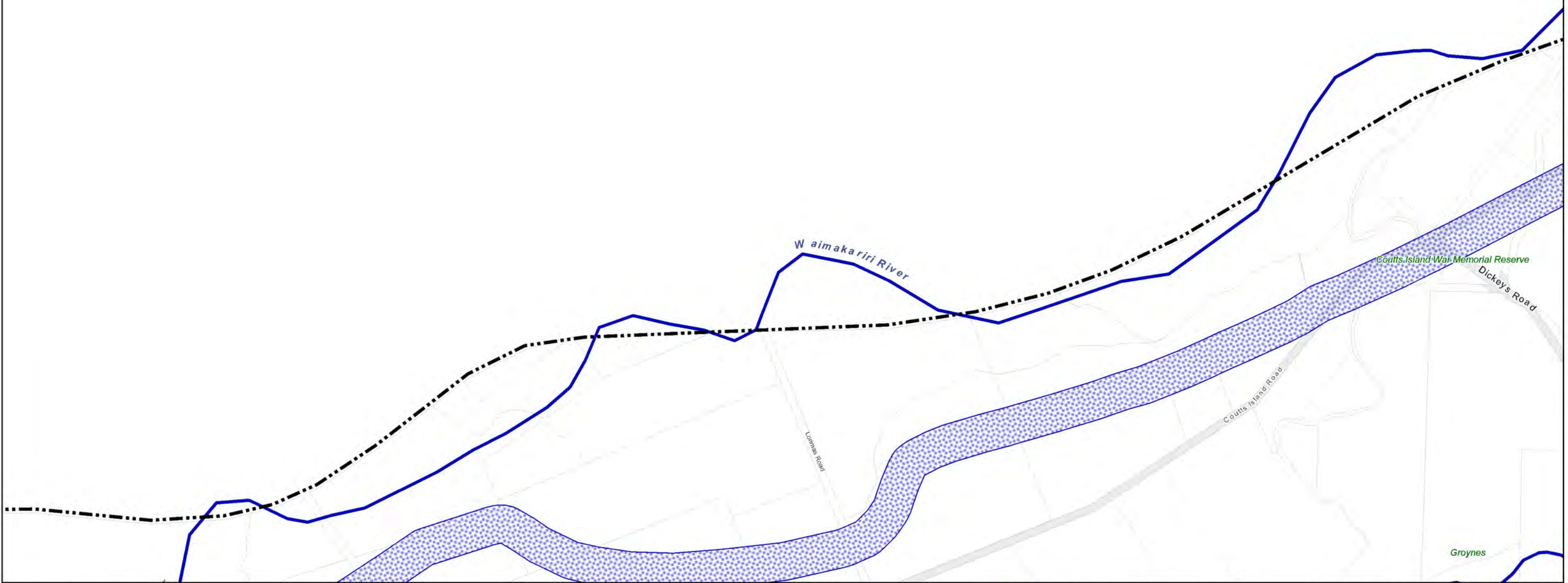
- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



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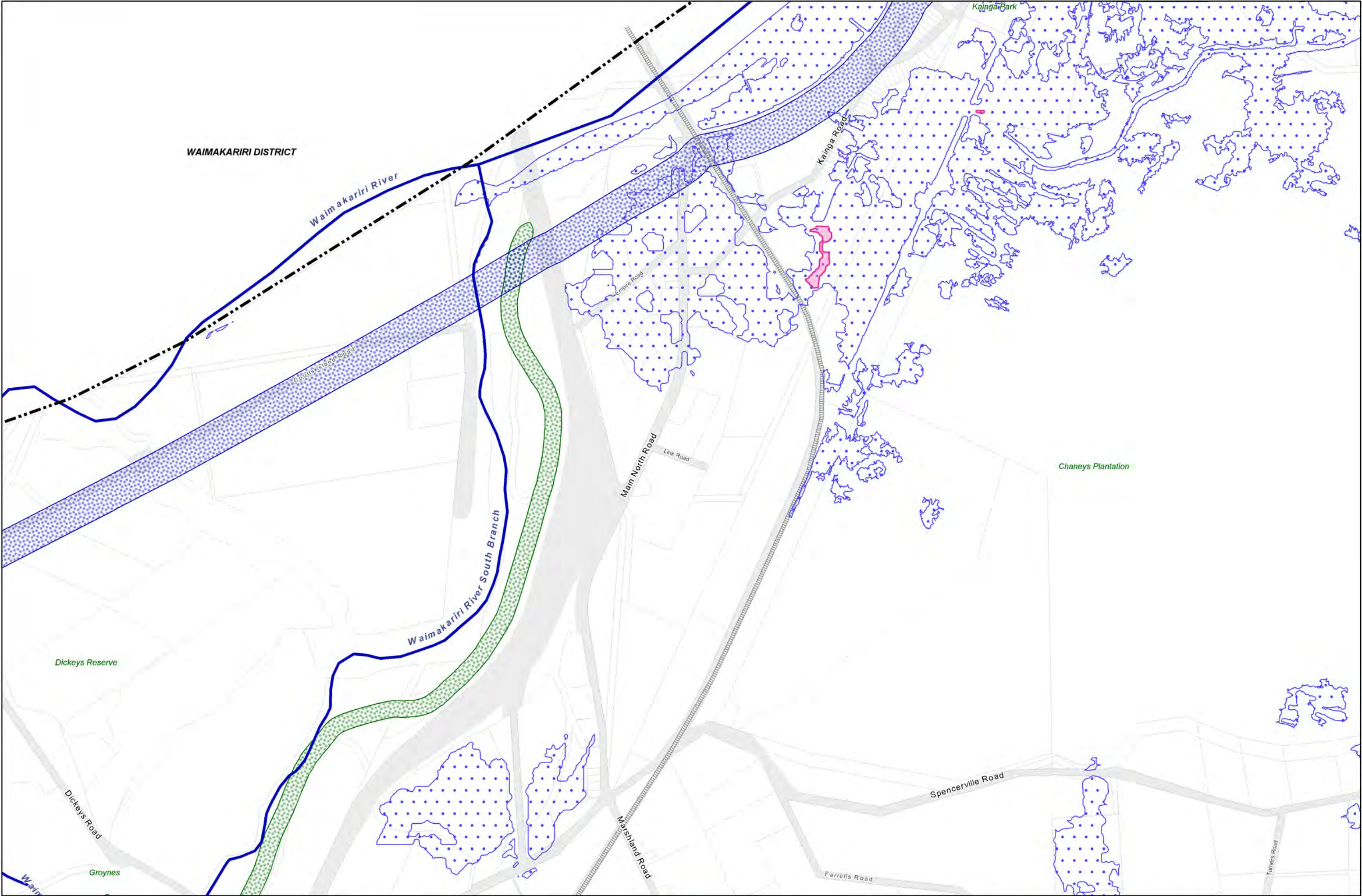
WAIMAKARIRI DISTRICT



		1
3	4	5
10	11	12

Planning Map 4
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



WAIMAKARIRI DISTRICT

Waimakariri River

Courts Island Road

Kalinga Road

Empire Road

Main North Road

Link Road

Chaney's Plantation

Waimakariri River South Branch

Dickey's Reserve

Dickey's Road

Groynes

Marshland Road

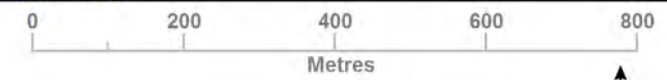
Spencerville Road

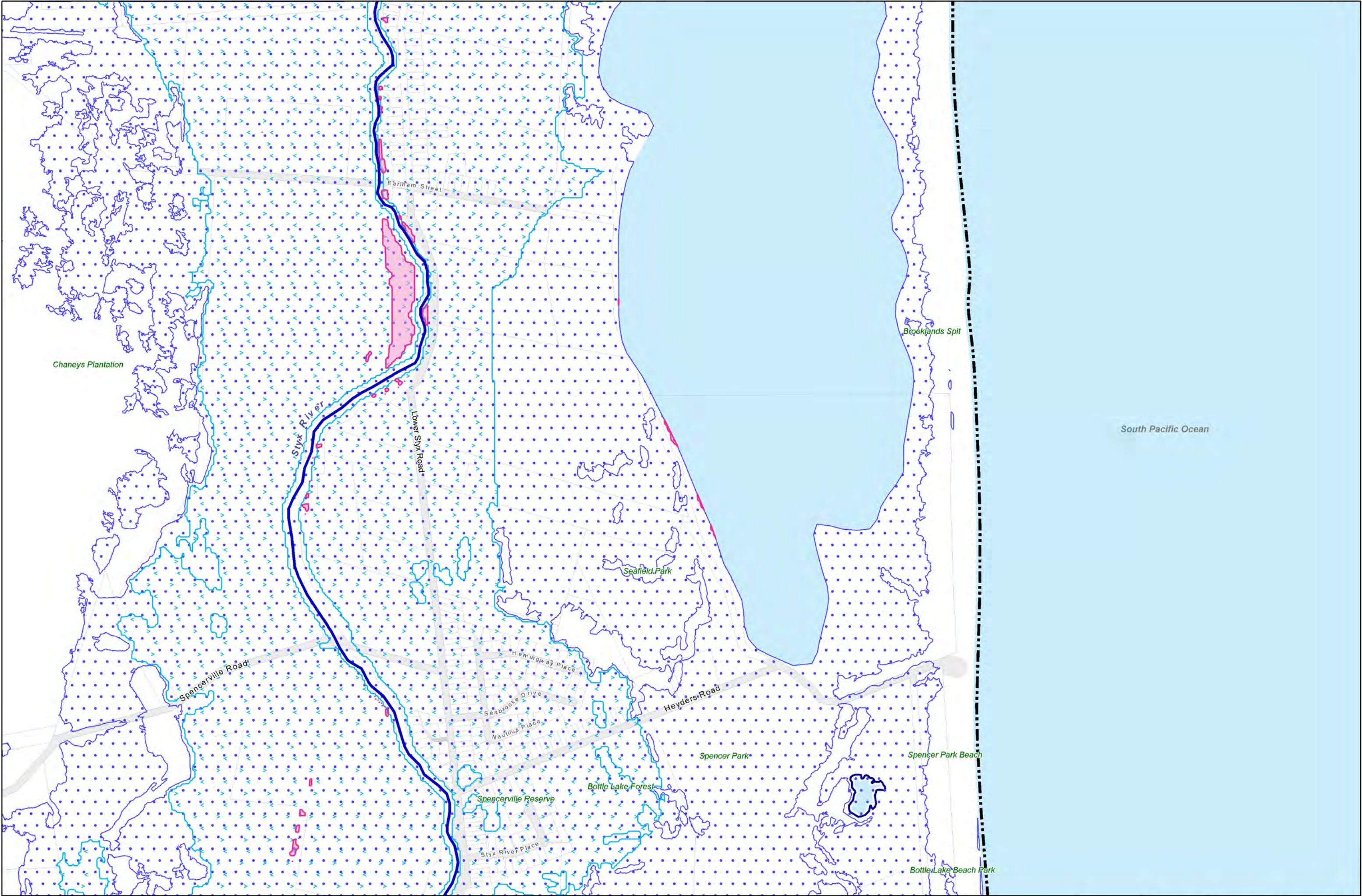
Farrells Road

Turners Road

	1	2
4	5	6
11	12	13

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)





1	2
5	6
12	13

Planning Map 6
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

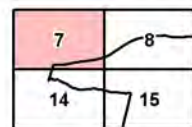
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



WAIMAKARIRI DISTRICT

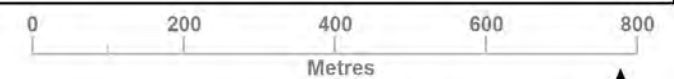
SELWYN DISTRICT

Waimakariri River



Planning Map 7 High Hazard 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

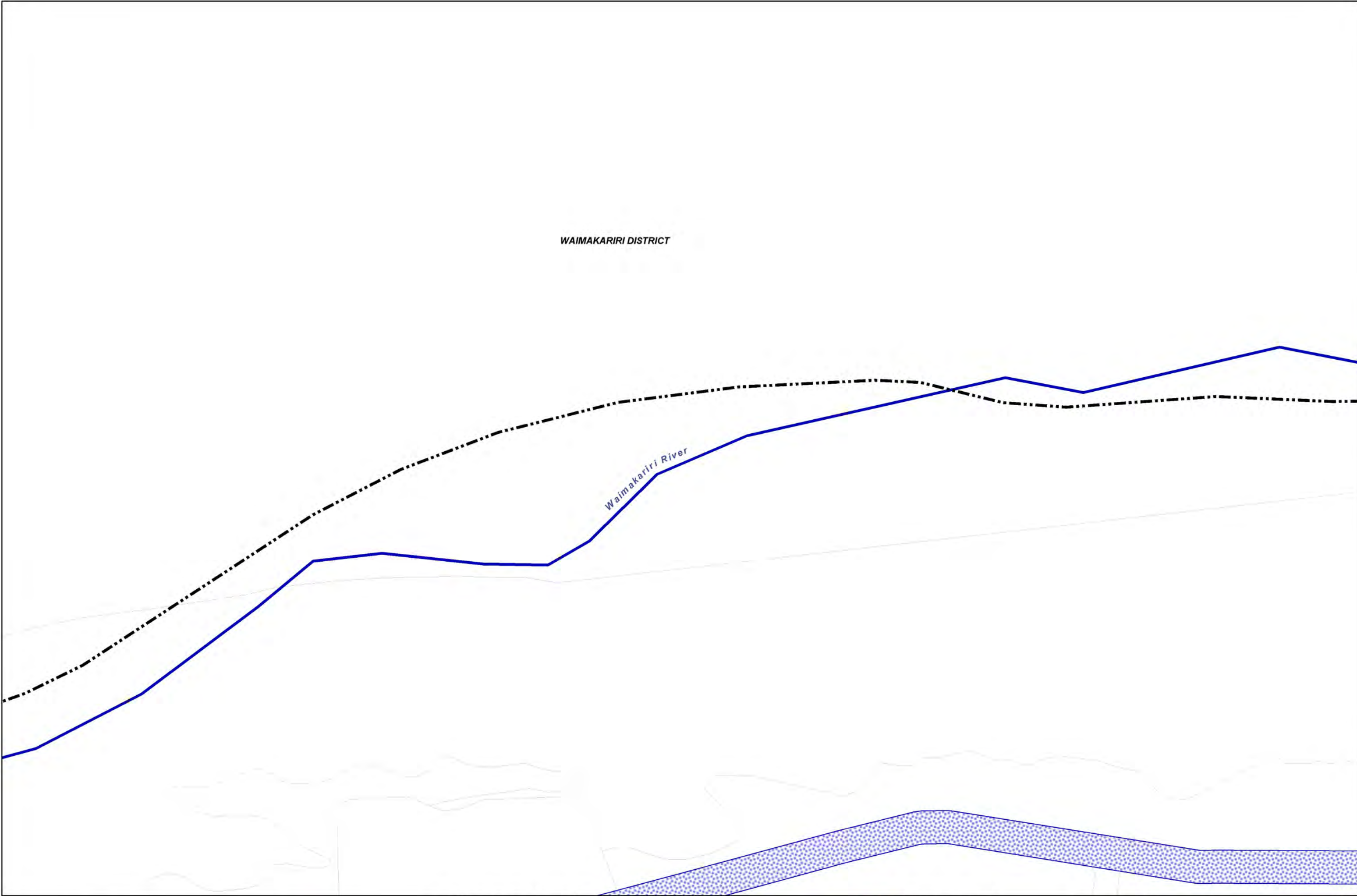


27/06/2016



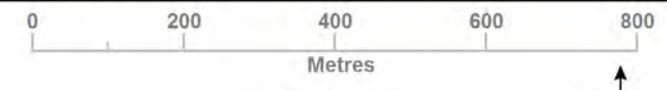
WAIMAKARIRI DISTRICT

Waimakariri River



Planning Map 8
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



WAIMAKARIRI DISTRICT

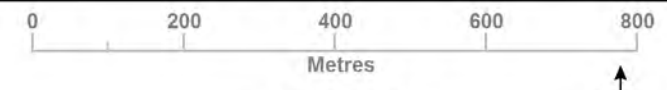
Waimakariri River

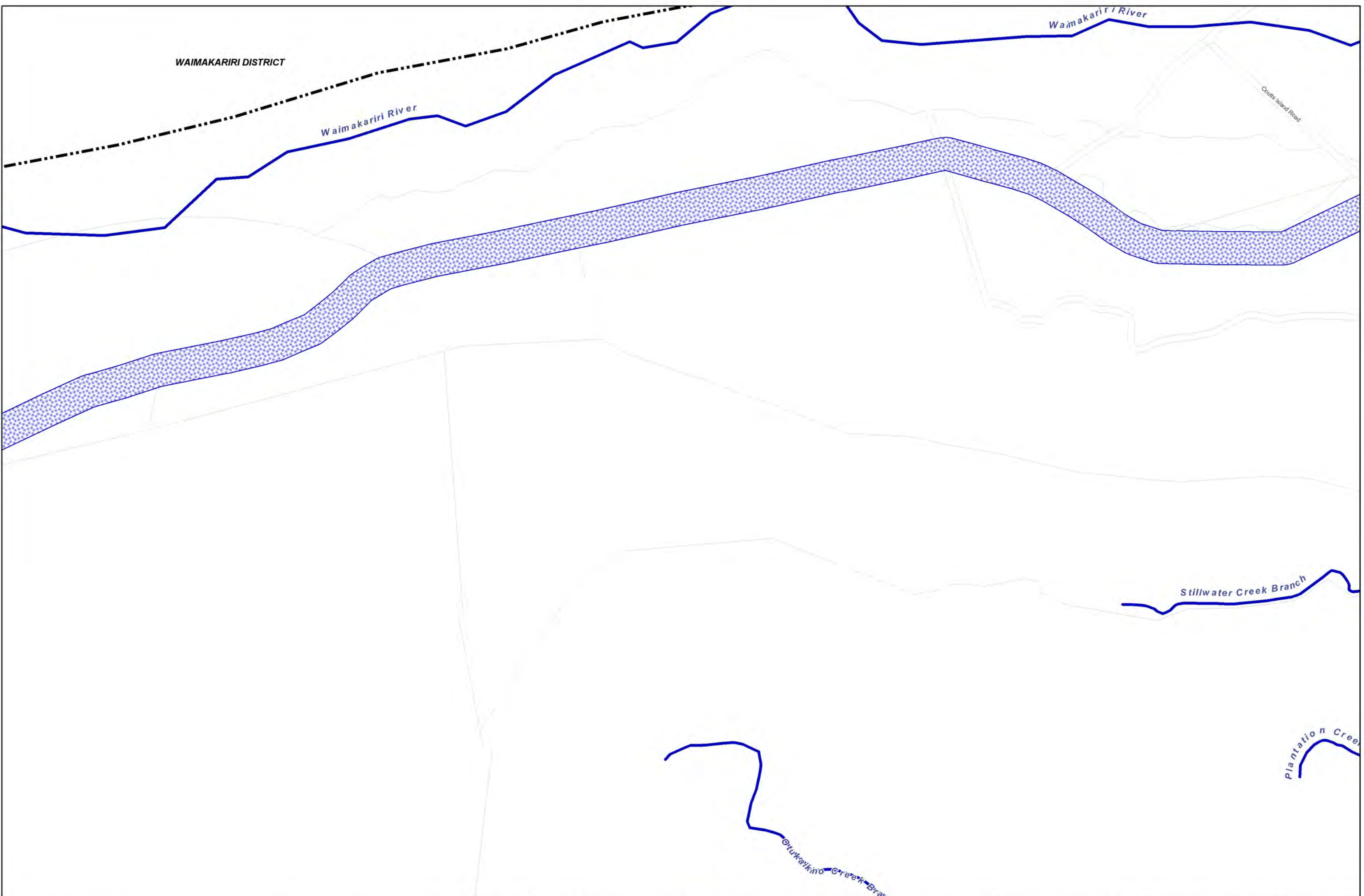


		3
8	9	10
15	16	17

Planning Map 9
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)





WAIMAKARIRI DISTRICT

Waimakariri River

Waimakariri River

Coutts Island Road

Stillwater Creek Branch

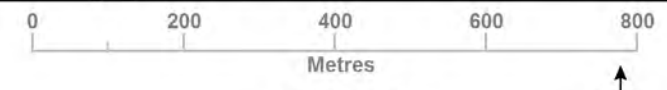
Plantation Creek

Orukarino Creek Branch

	3	4
9	10	11
16	17	18

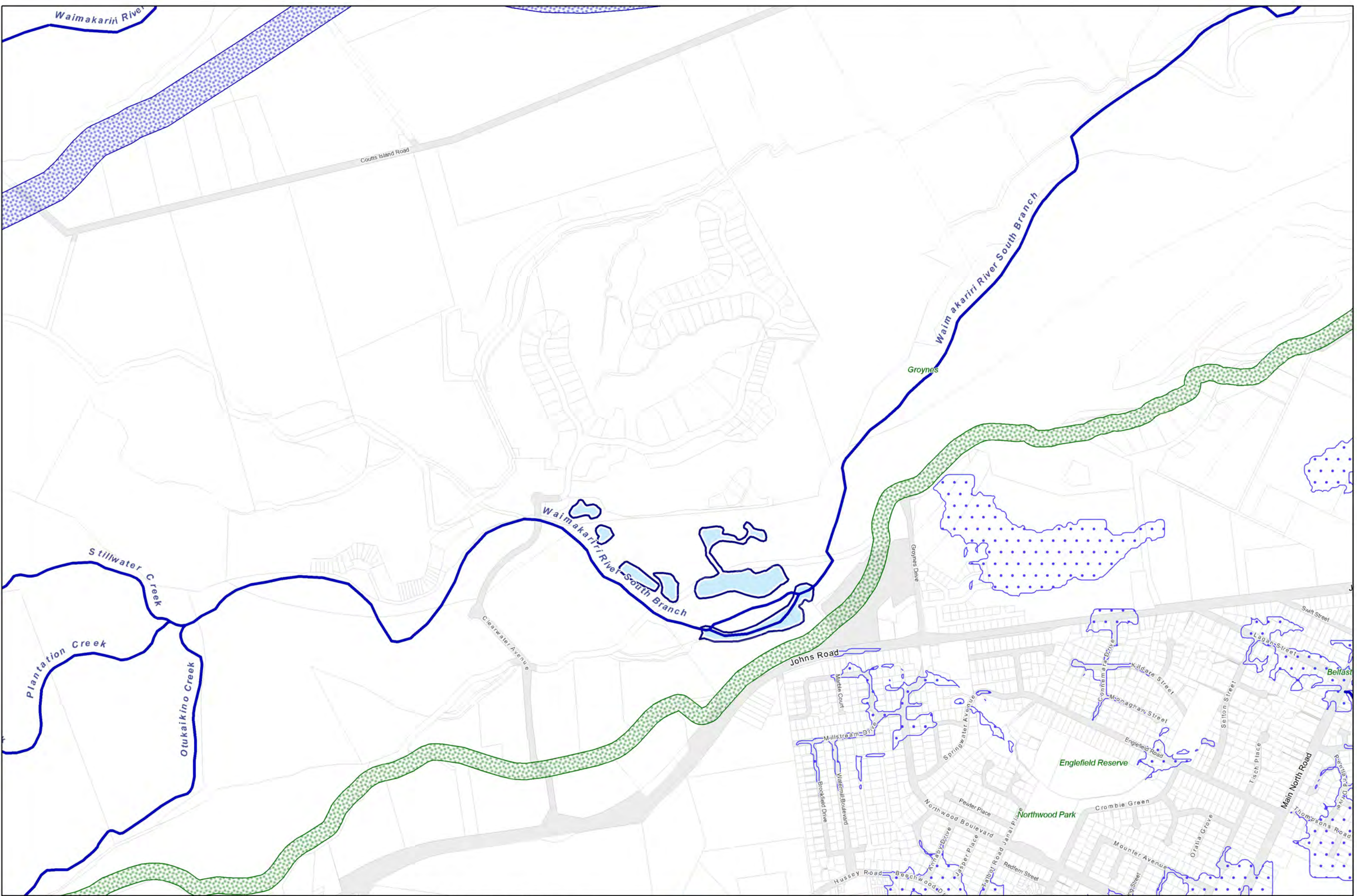
Planning Map 10
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



27/06/2016



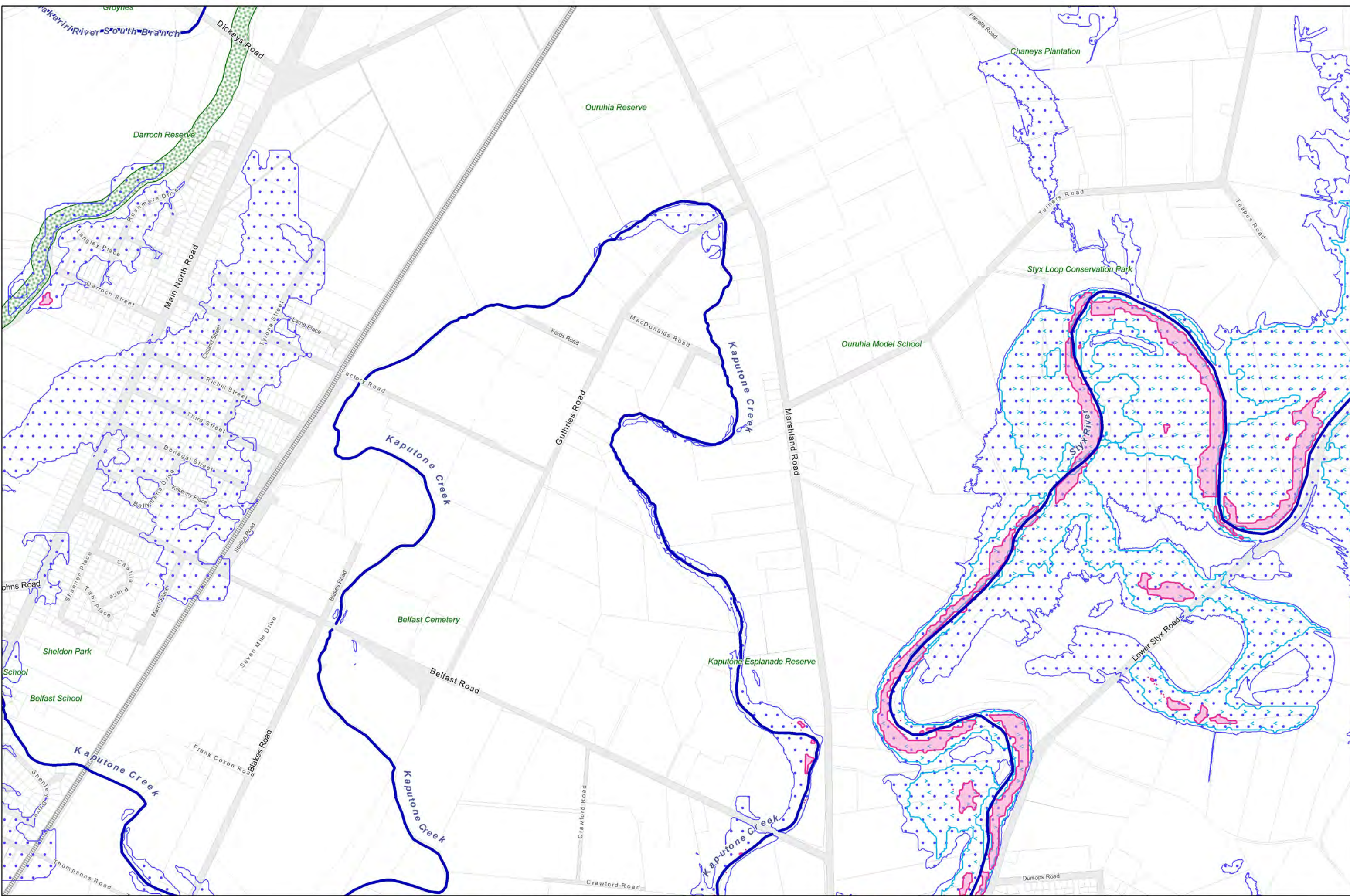


3	4	5
10	11	12
17	18	19

Planning Map 11
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

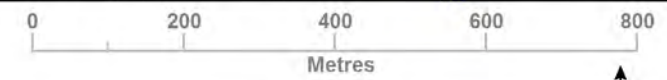


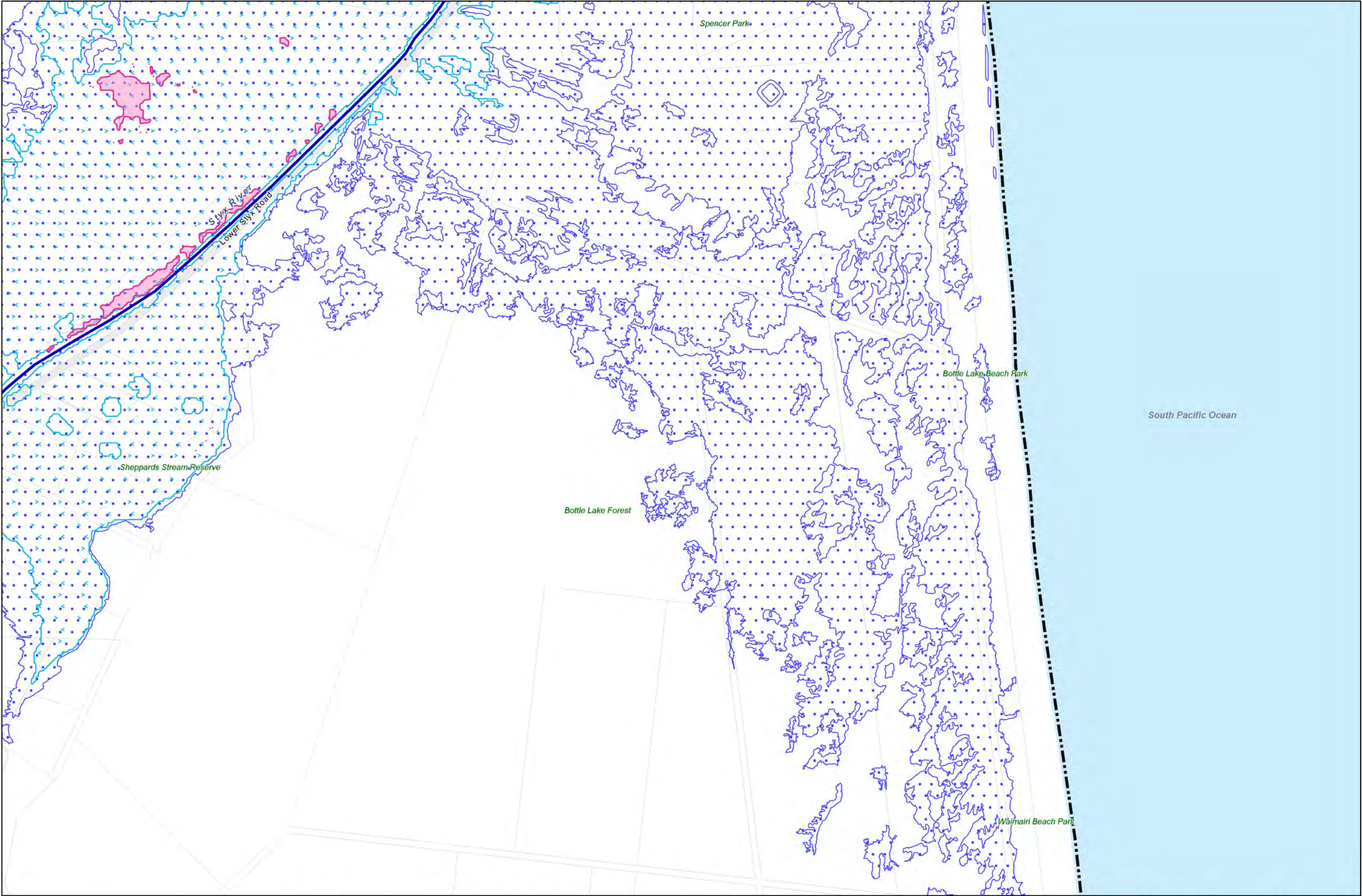
4	5	6
11	12	13
18	19	20

Planning Map 12
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

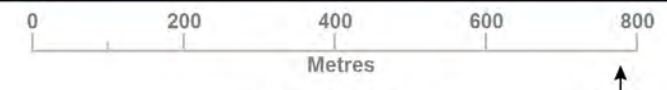


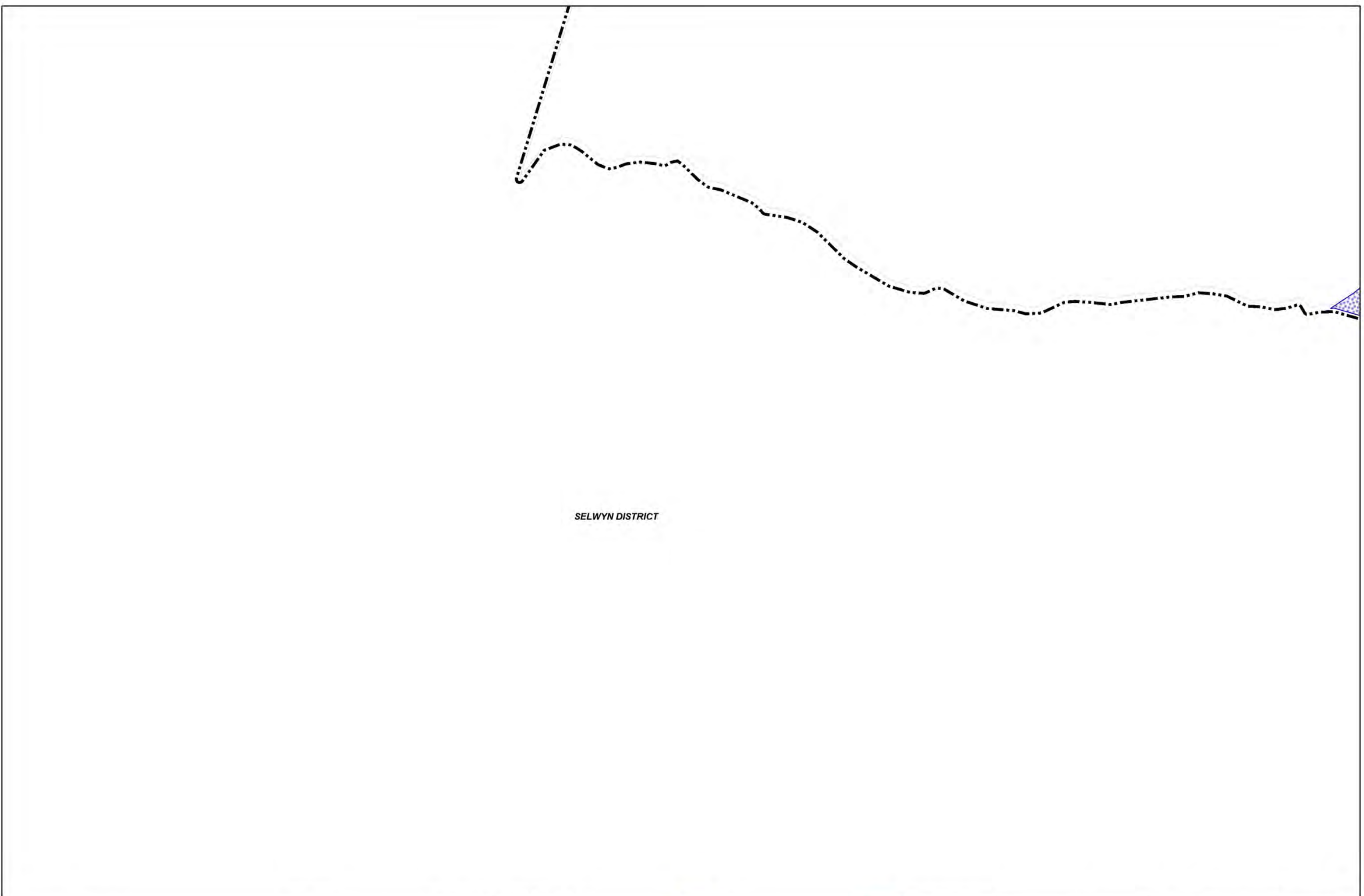


5	6
12	13
19	20

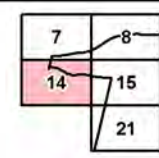
Planning Map 13
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)











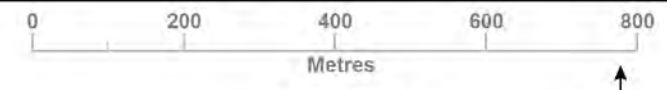


SELWYN DISTRICT



Planning Map 14
High Hazard
0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)











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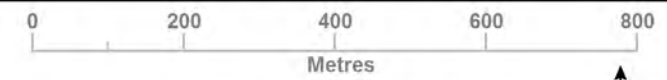


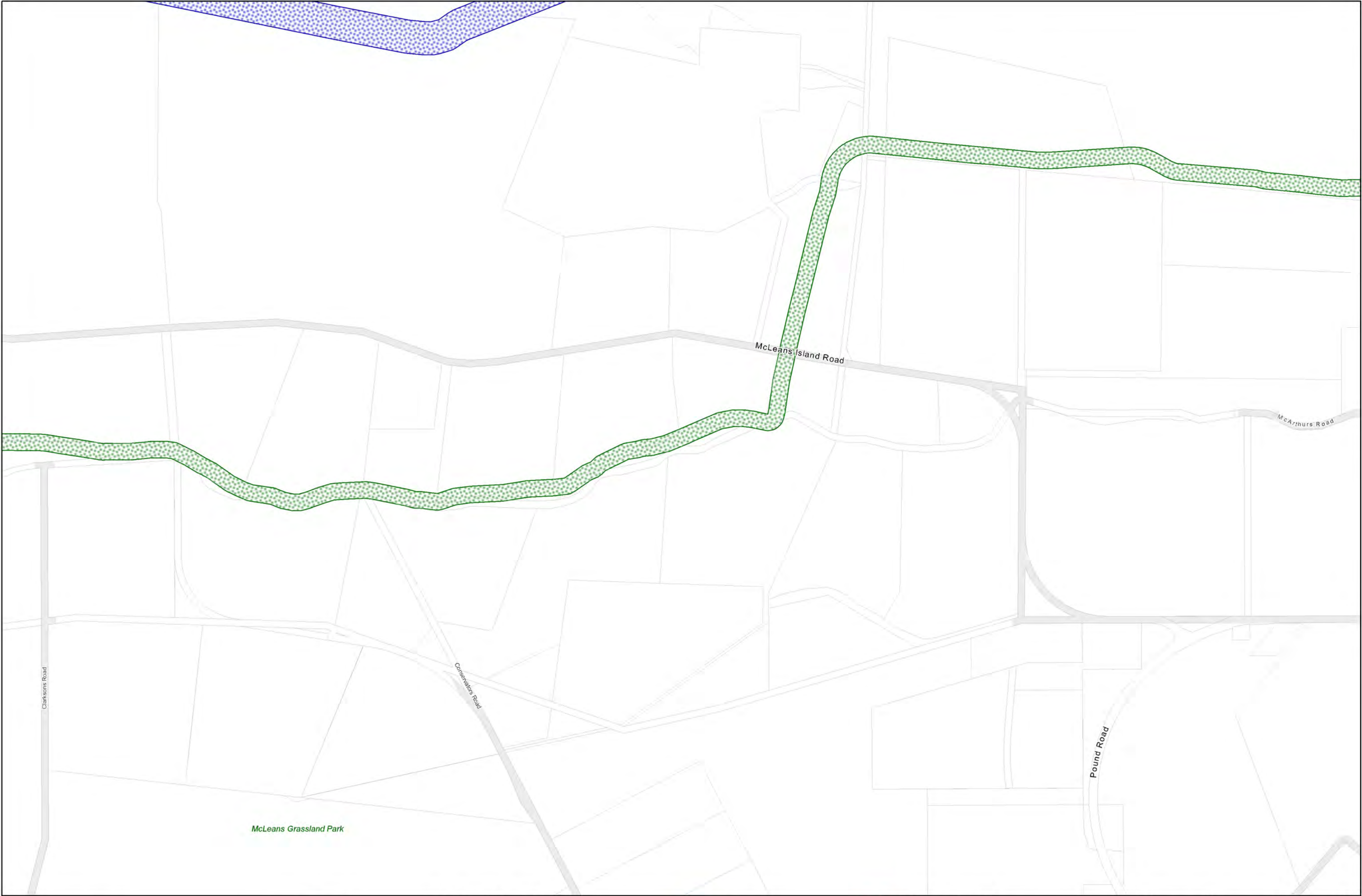


7	8	9
14	15	16
	21	22

Planning Map 15
High Hazard
0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



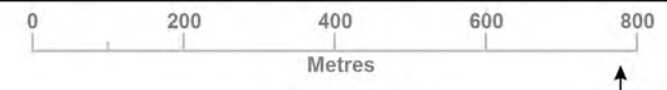


8	9	10
15	16	17
21	22	23

Planning Map 16
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)







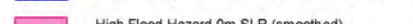
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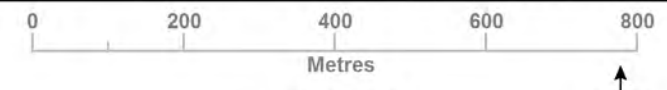




9	10	11
16	17	18
22	23	24

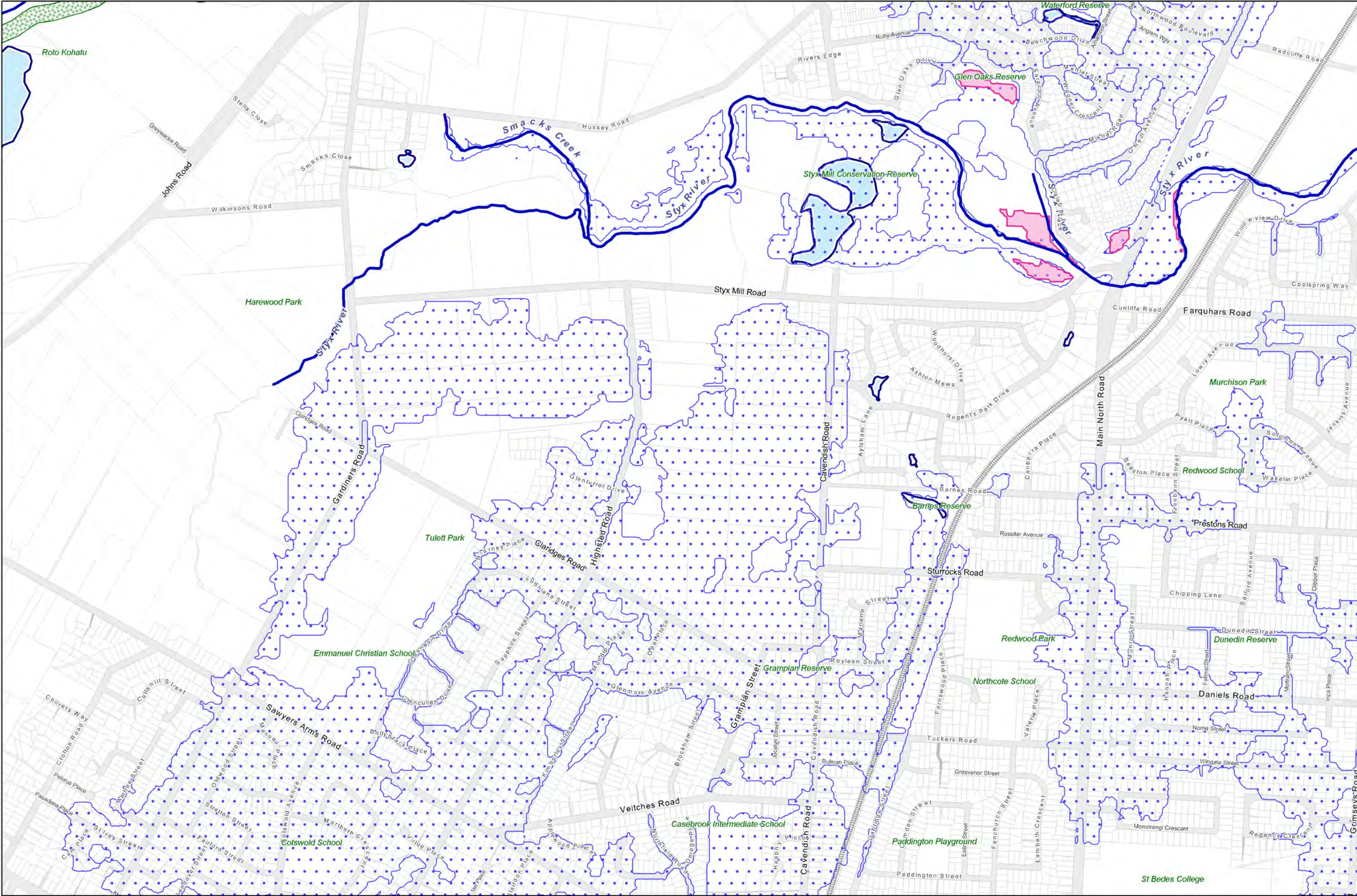
Planning Map 17
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



27/06/2016

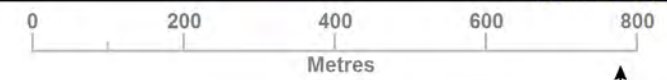


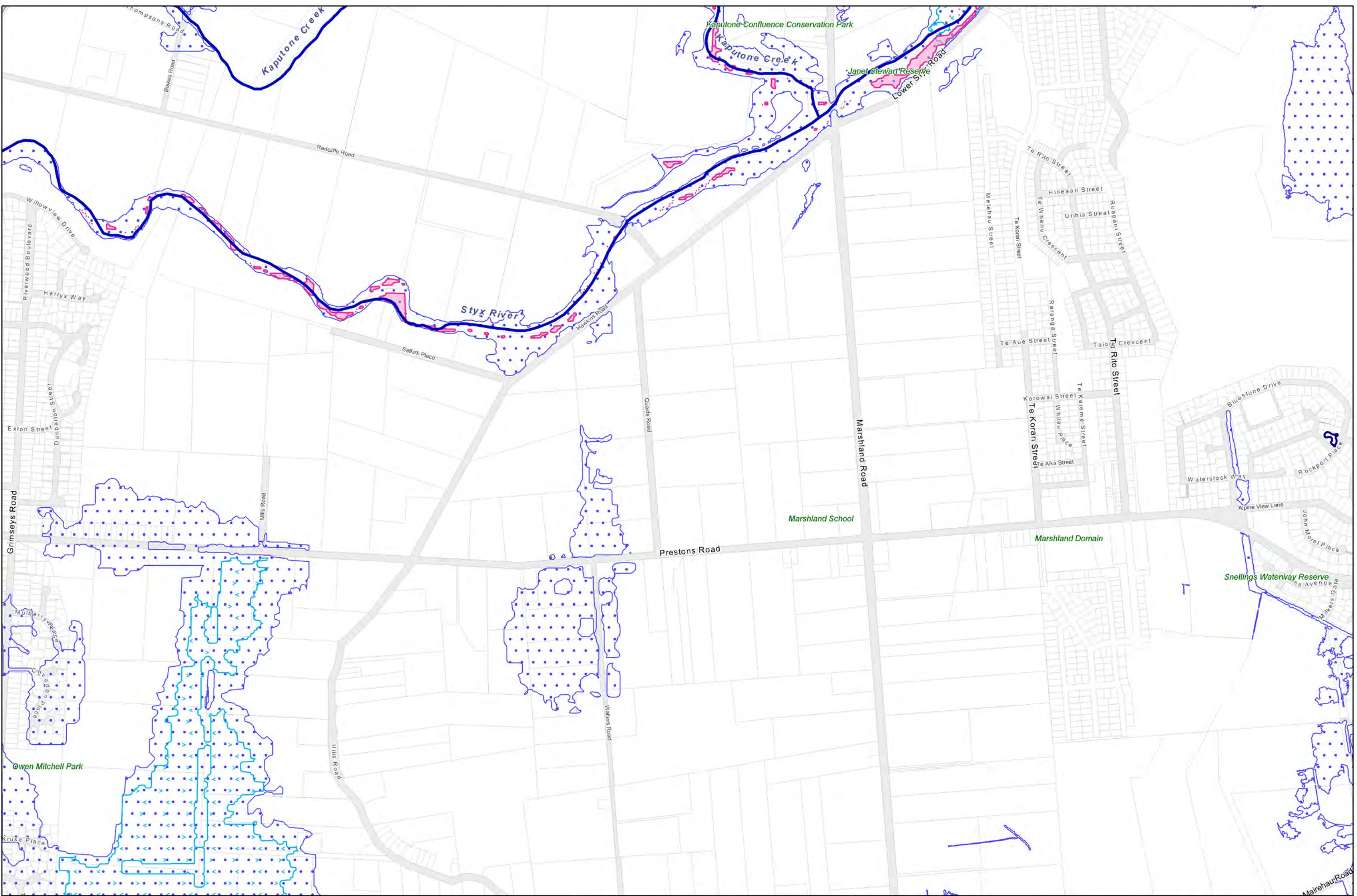


10	11	12
17	18	19
23	24	25

Planning Map 18 High Hazard 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



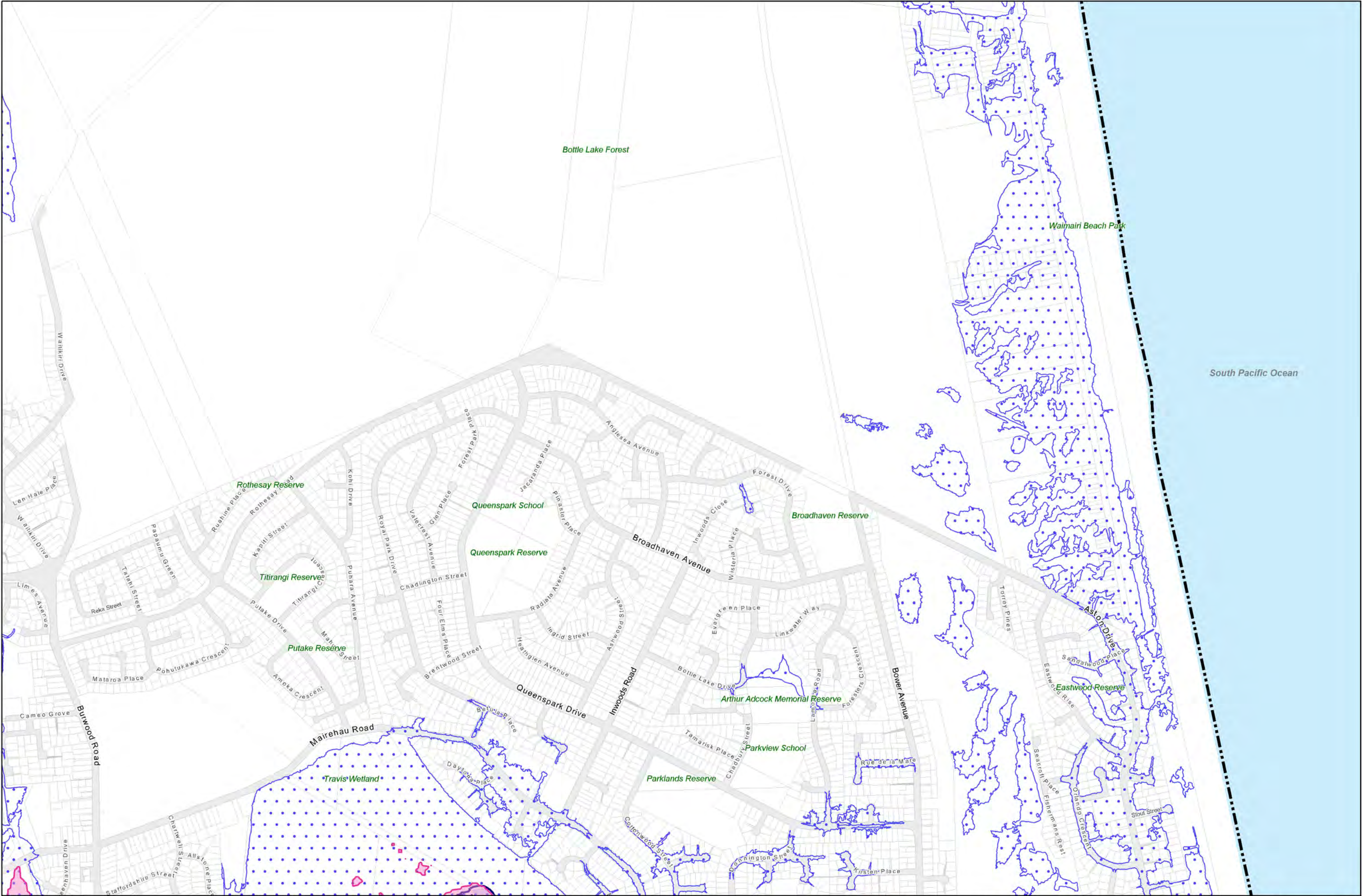


11	12	13
18	19	20
24	25	26

Planning Map 19
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

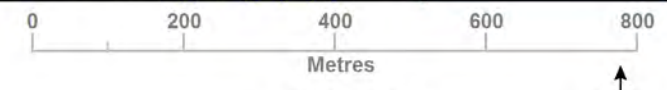


12	13
19	20
25	26
	27

Planning Map 20
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



SELWYN DISTRICT

Chattertons Road

Mirrors Road

Old West Coast Road









School Road

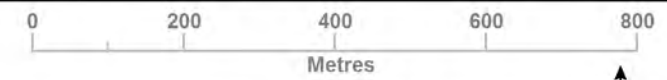
Clarks Road

Chattertons Reserve

14	15	16
	21	22
	28	29

Planning Map 21
High Hazard
0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



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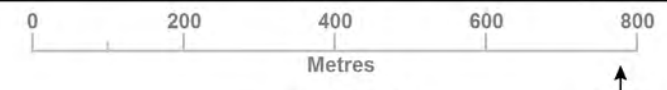
McLeans Grassland Park



15	16	17
21	22	23
28	29	30

Planning Map 22
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



27/06/2016





16	17	18
22	23	24
29	30	31

Planning Map 23
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)

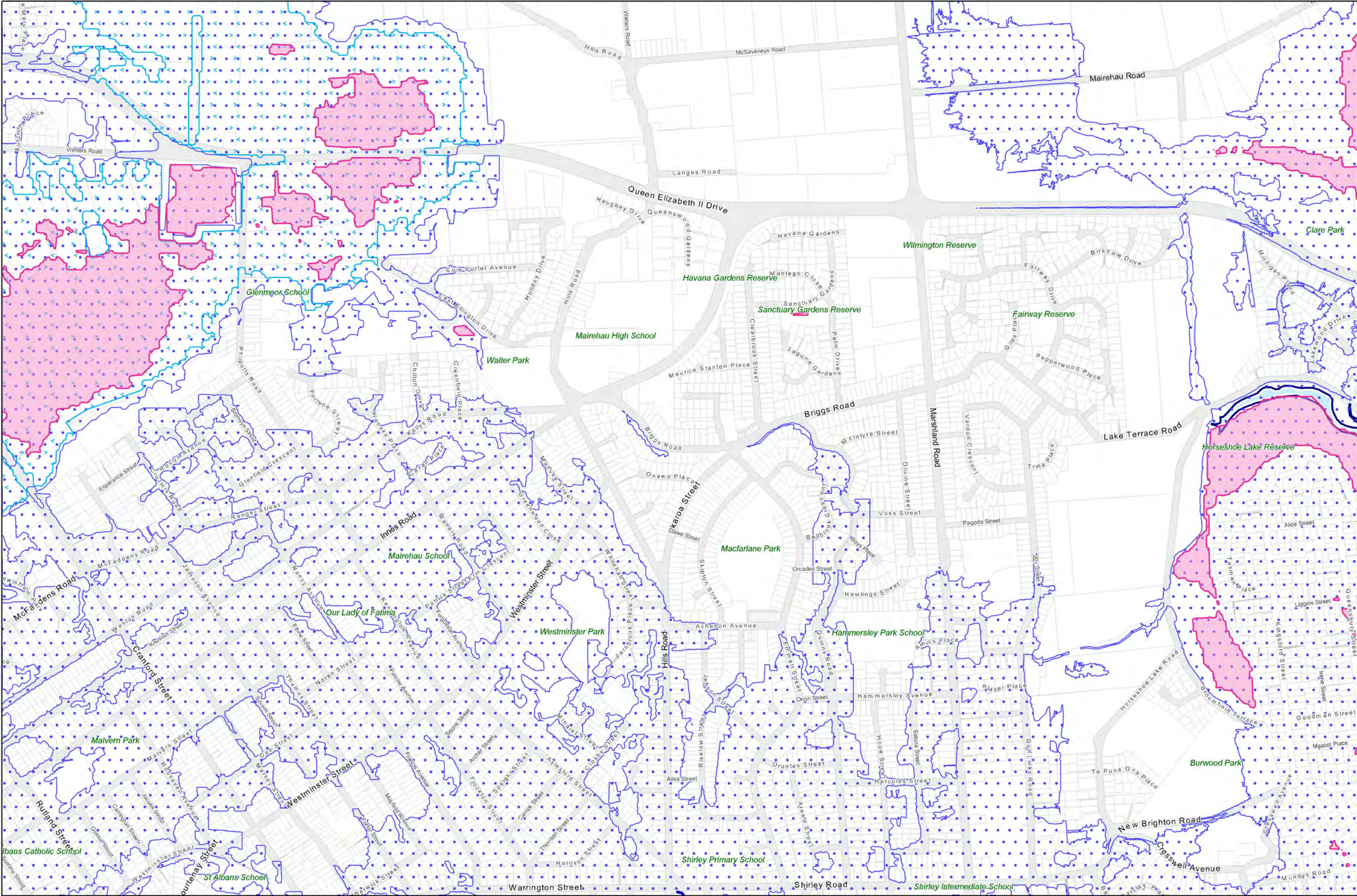




17	18	19
23	24	25
30	31	32

Planning Map 24 High Hazard 0m Sea Level Rise (SLR) Scenarios

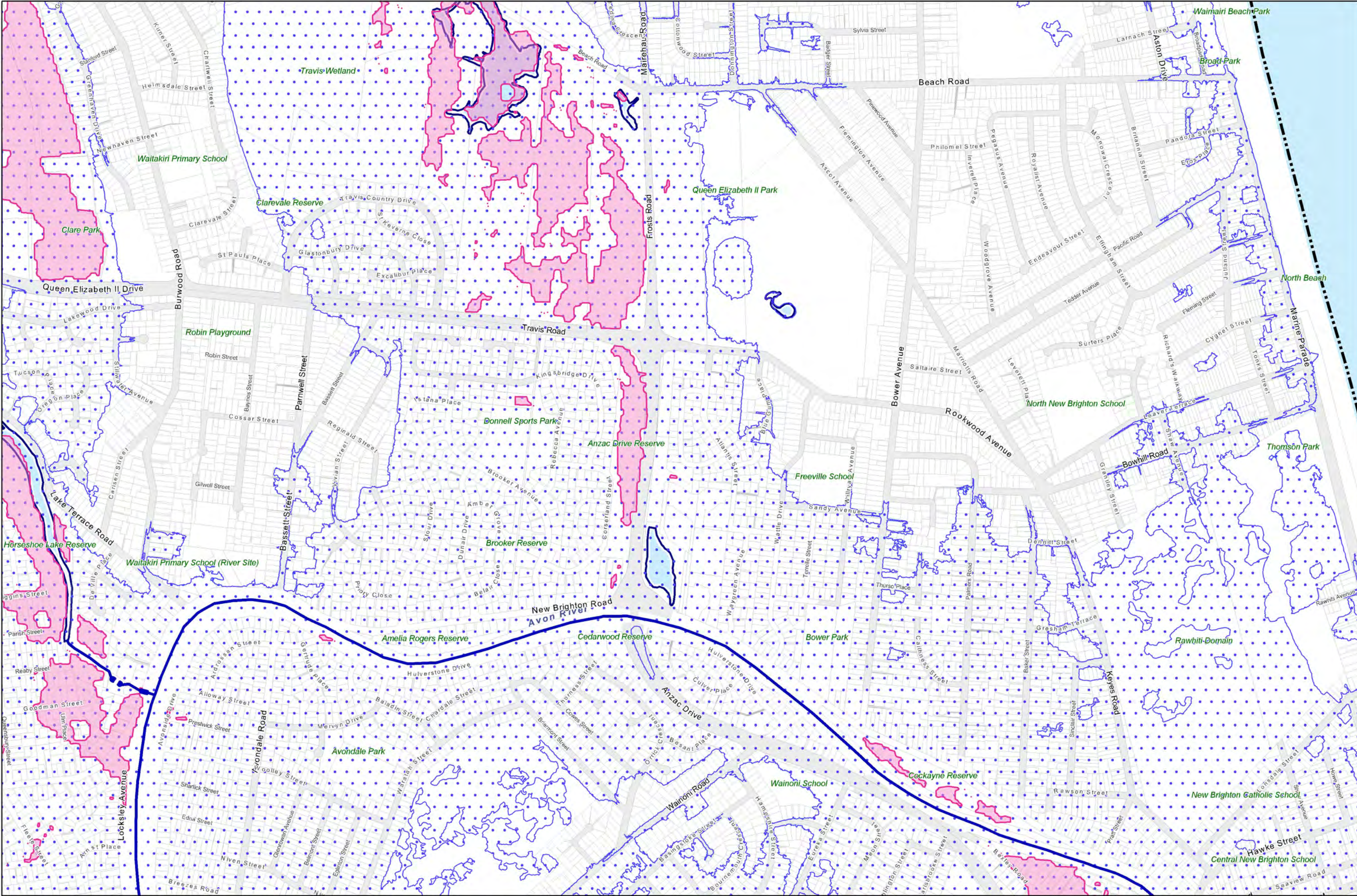
- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



18	19	20
24	25	26
31	32	33

Planning Map 25 High Hazard 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

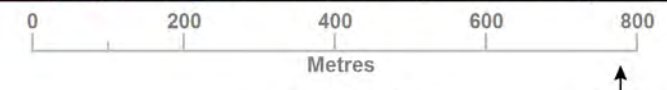


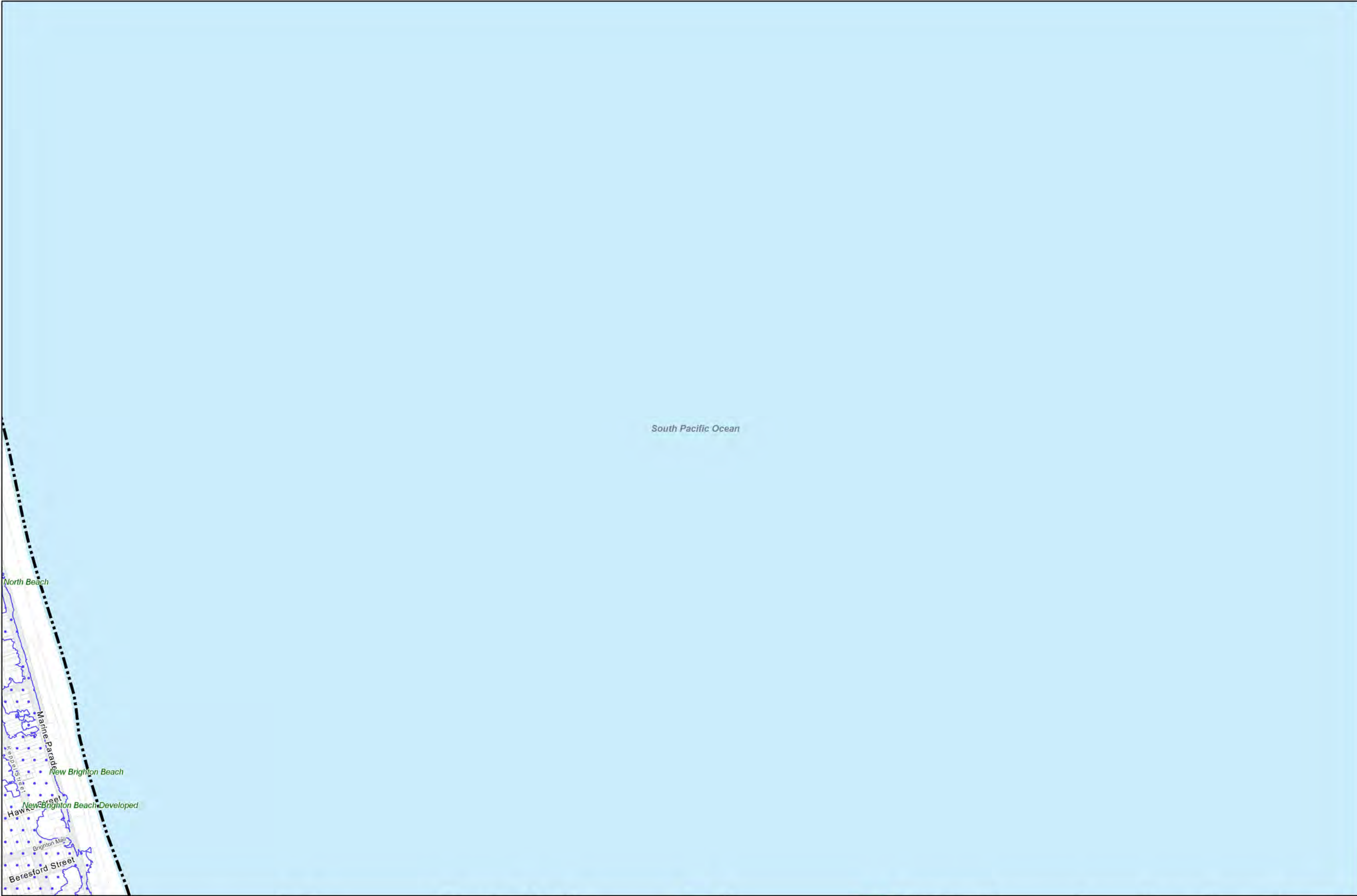
19	20
25	26
32	33

Planning Map 26
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)





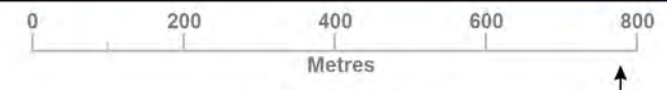
South Pacific Ocean

North Beach
 Marine Parade
 New Brighton Beach
 New Brighton Beach Developed
 Hawk Street
 Brighton Mall
 Beresford Street

20	
26	27
33	34

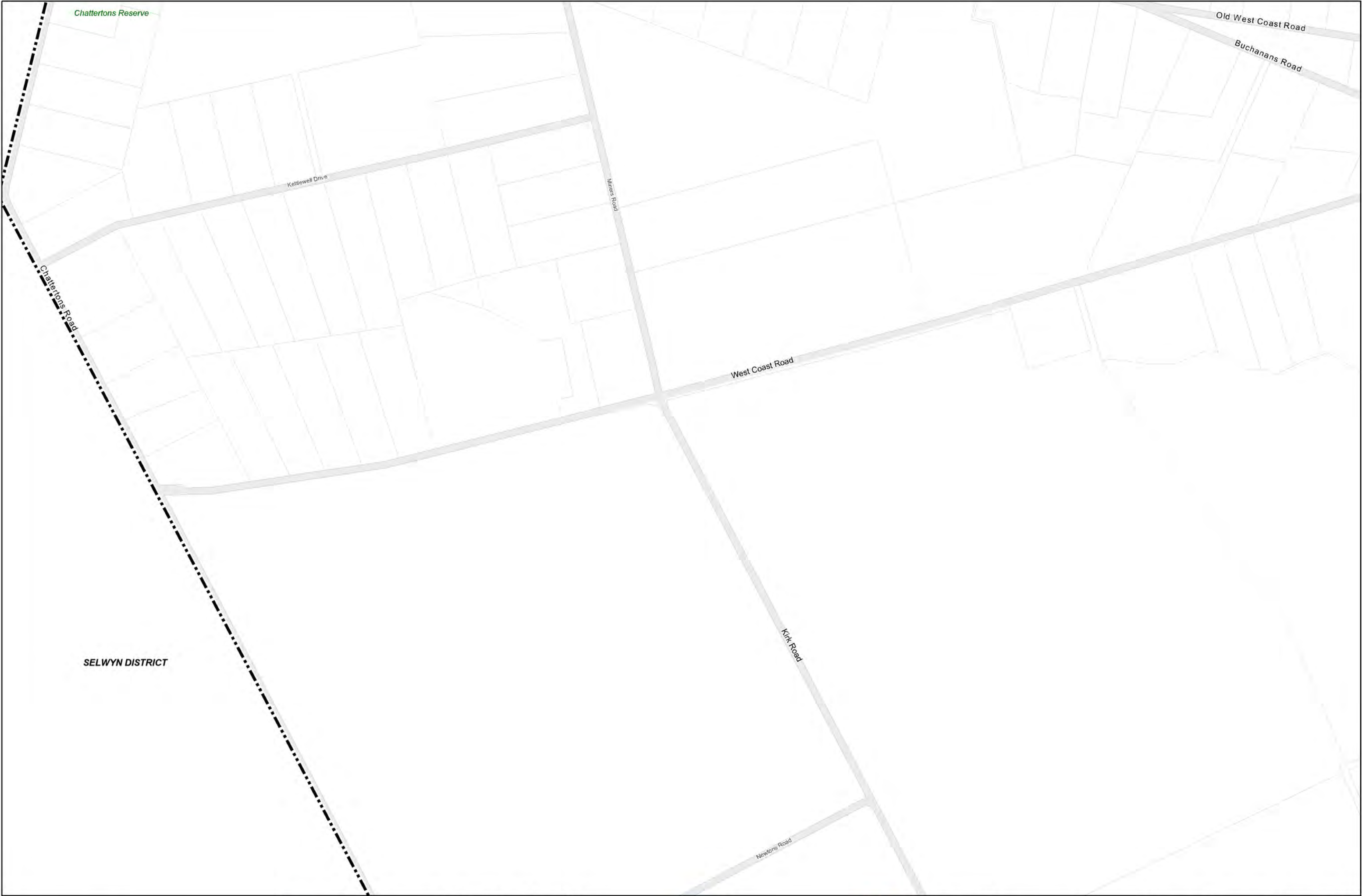
Planning Map 27
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



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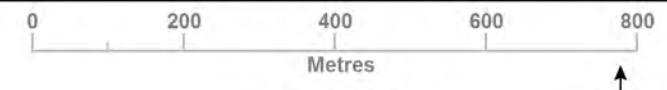


SELWYN DISTRICT

21	22
28	29
35	36

Planning Map 28
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



27/06/2016





21	22	23
28	29	30
35	36	37

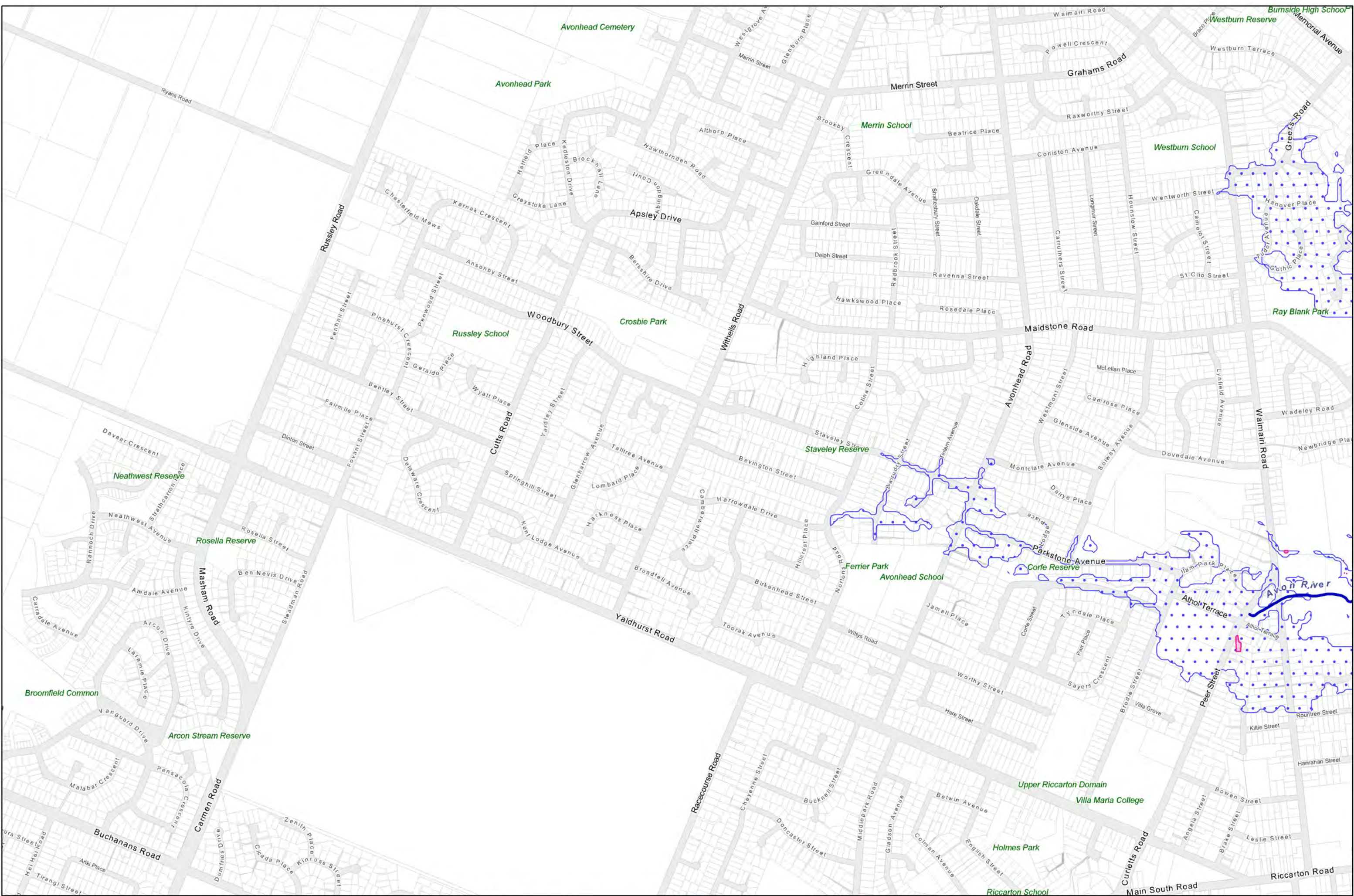
Planning Map 29
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

0 200 400 600 800
Metres

27/06/2016

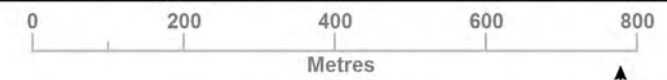


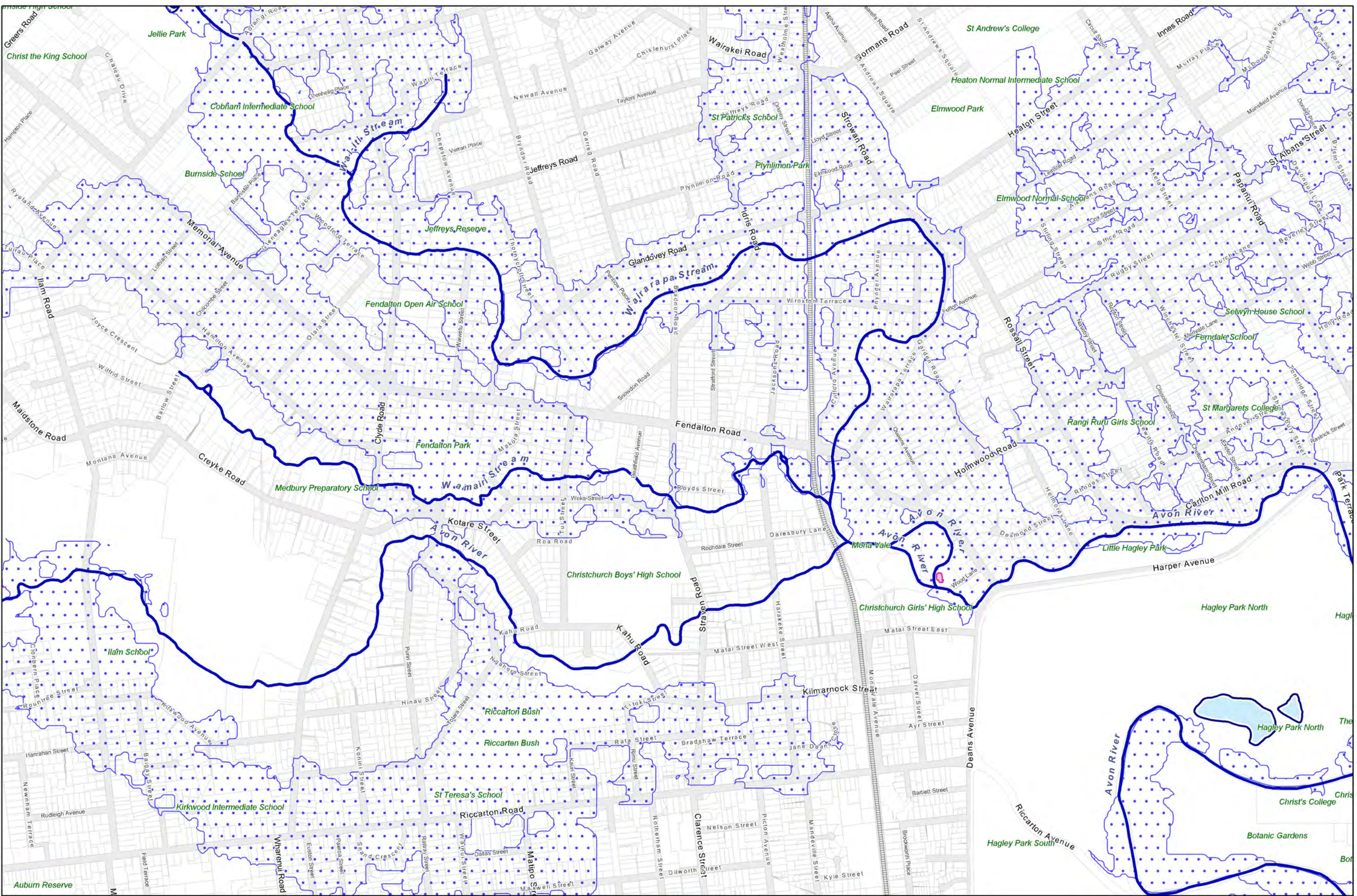
22	23	24
29	30	31
36	37	38

Planning Map 30
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



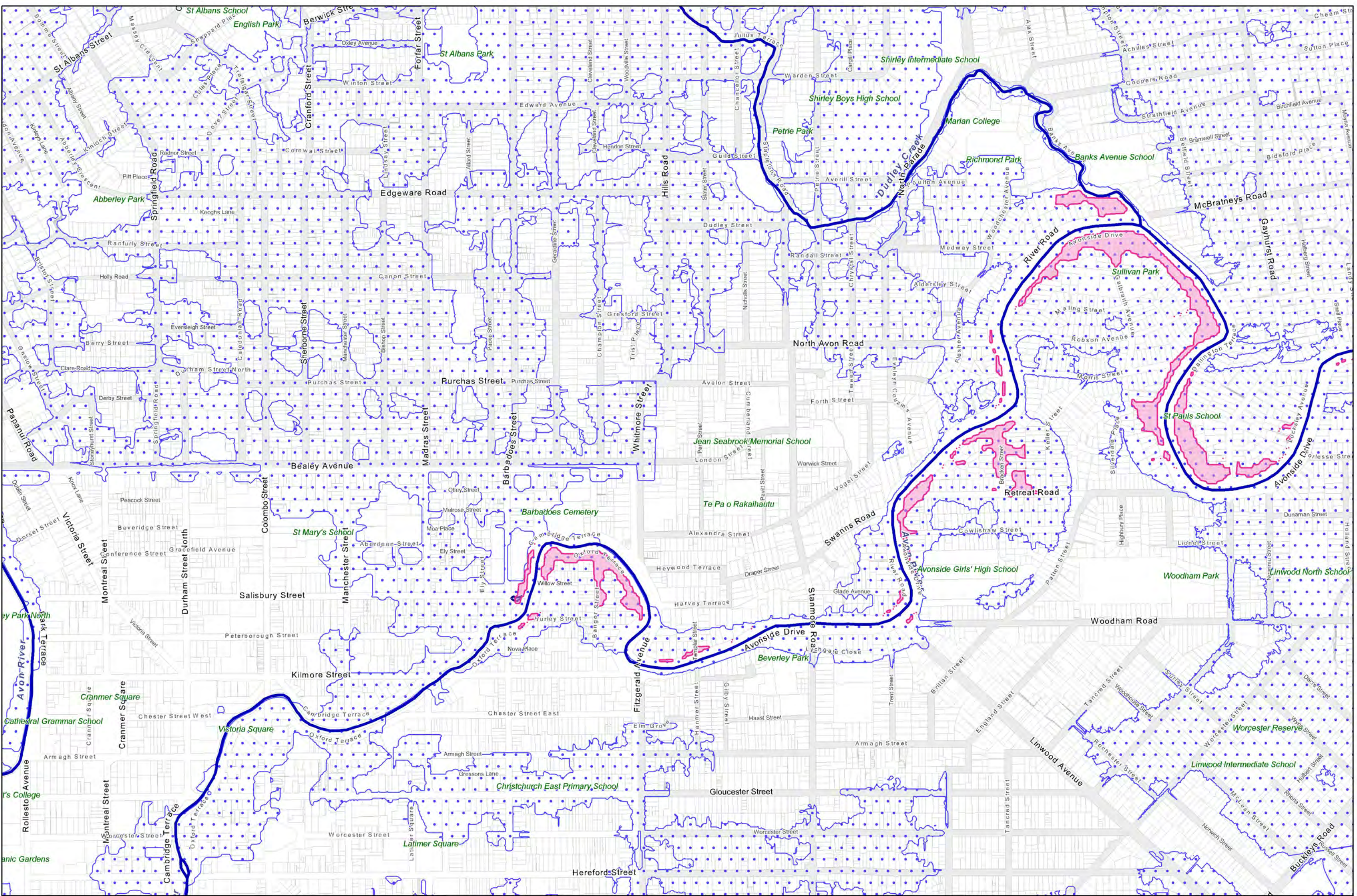


23	24	25
30	31	32
37	38	39

Planning Map 31
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

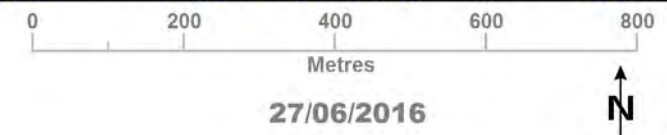


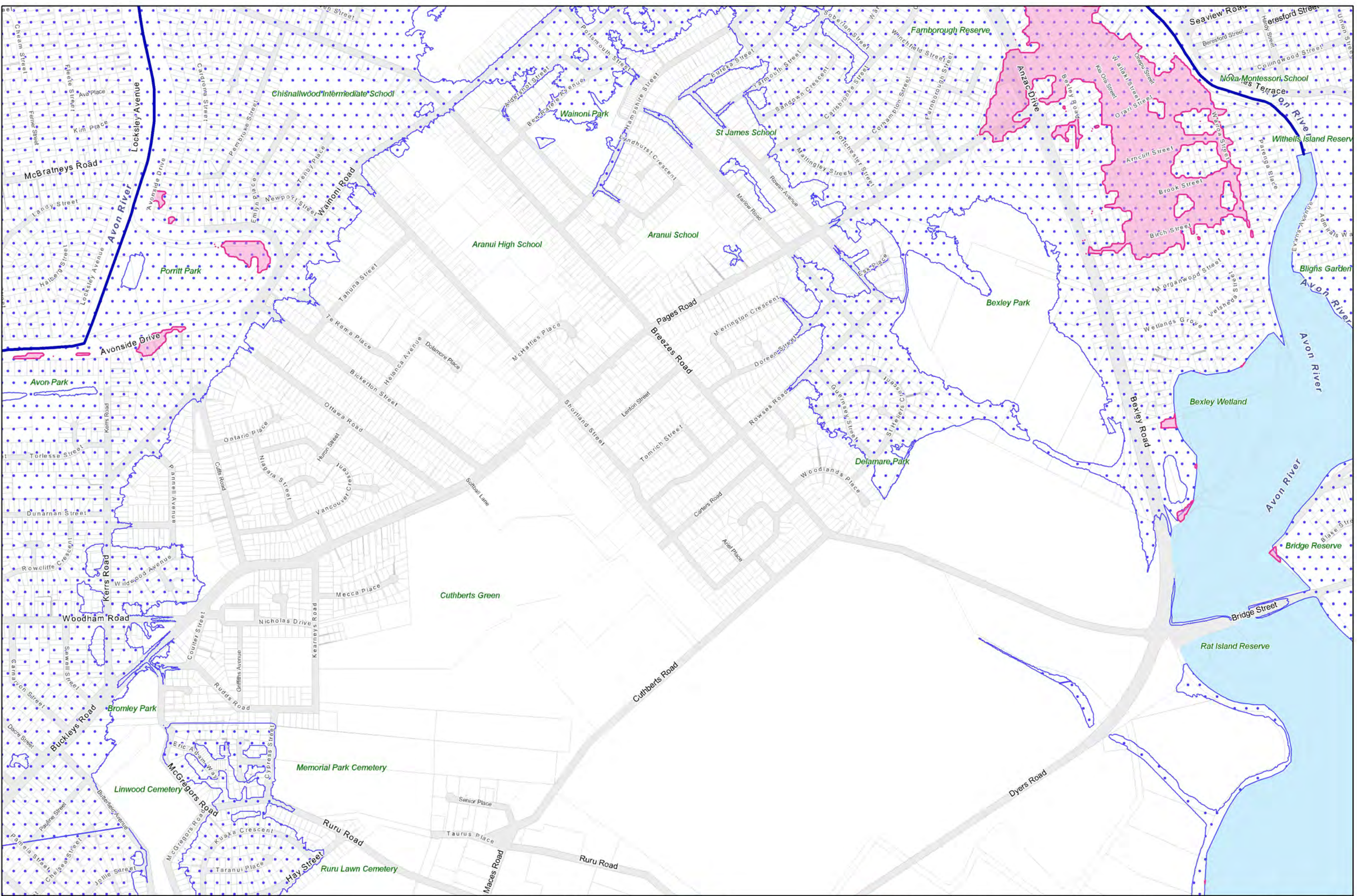


24	25	26
31	32	33
38	39	40

Planning Map 32 High Hazard 0m Sea Level Rise (SLR) Scenarios







- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

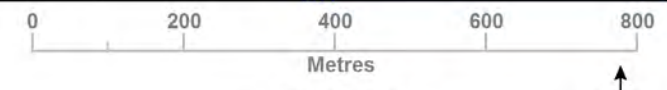




25	26	27
32	33	34
39	40	41

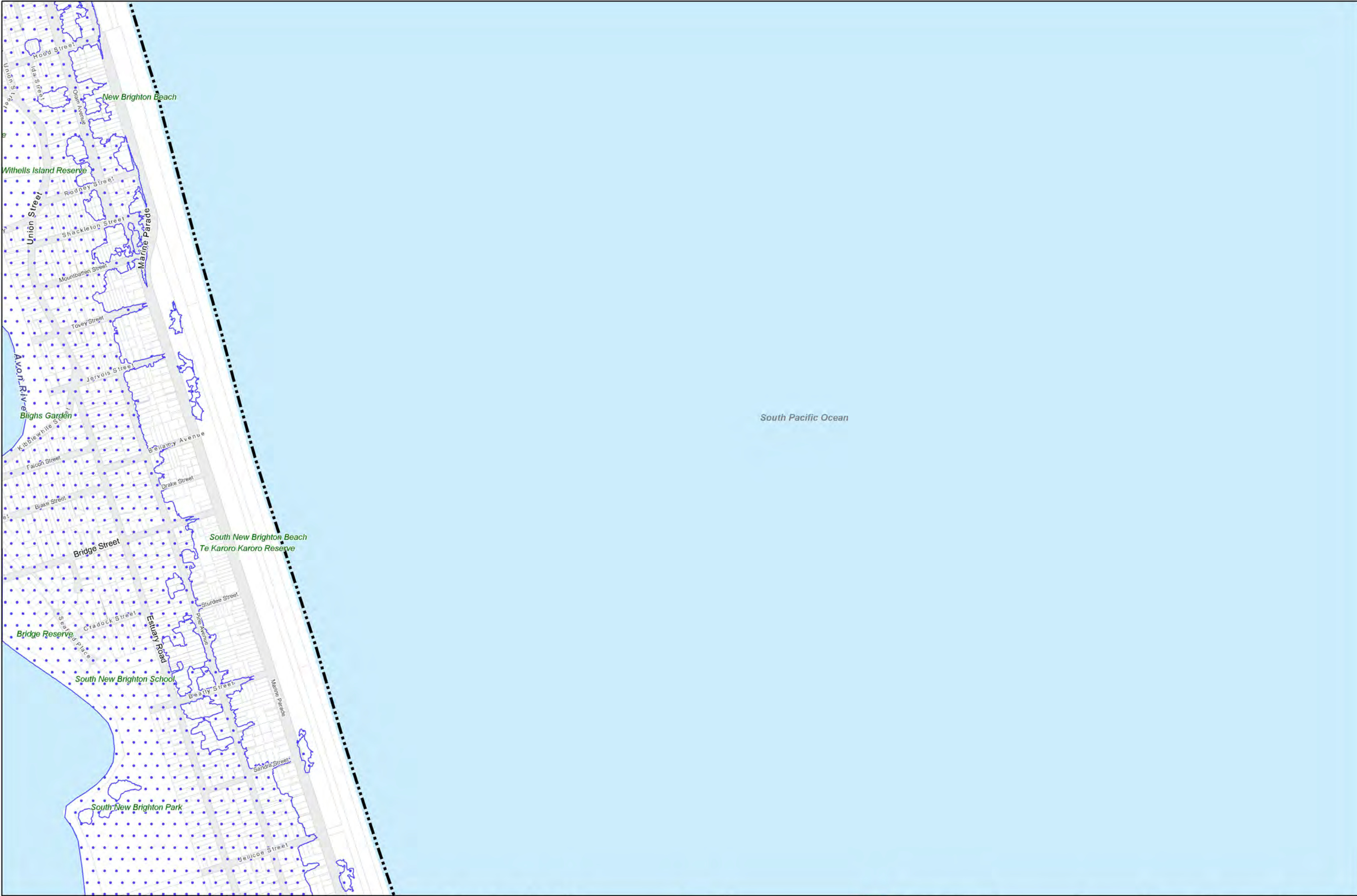
Planning Map 33
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



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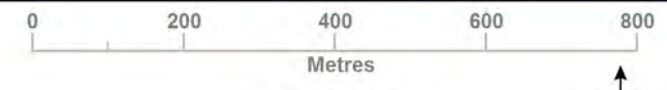


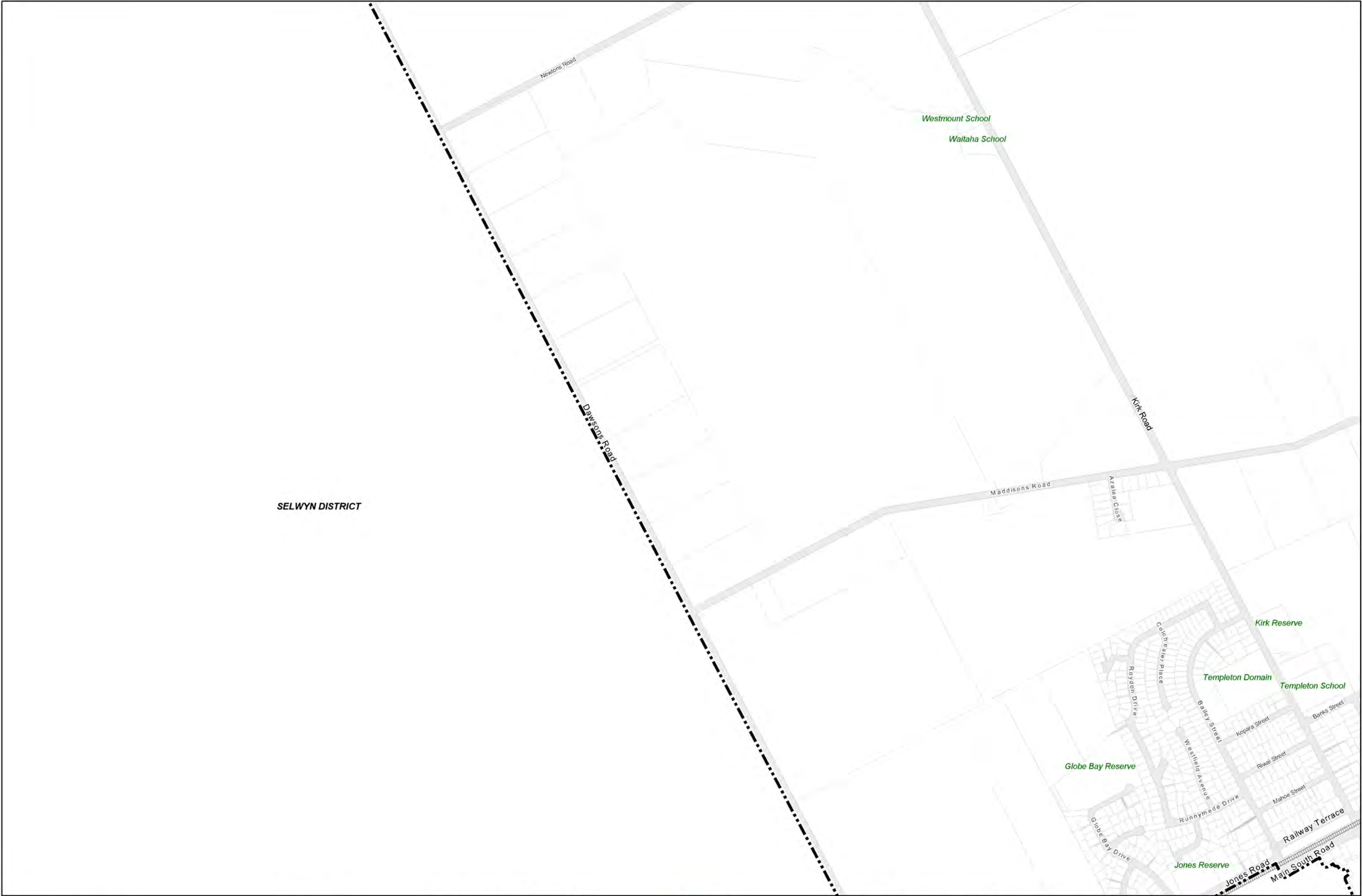
26	27
33	34
40	41

Planning Map 34
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)





SELWYN DISTRICT

28	29
35	36
42	43

Planning Map 35
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)





28	29	30
35	36	37
42	43	44

Planning Map 36
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



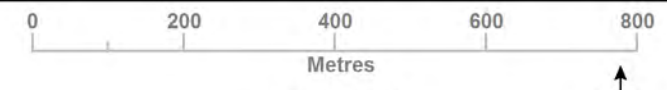


29	30	31
36	37	38
43	44	45

Planning Map 37 High Hazard 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



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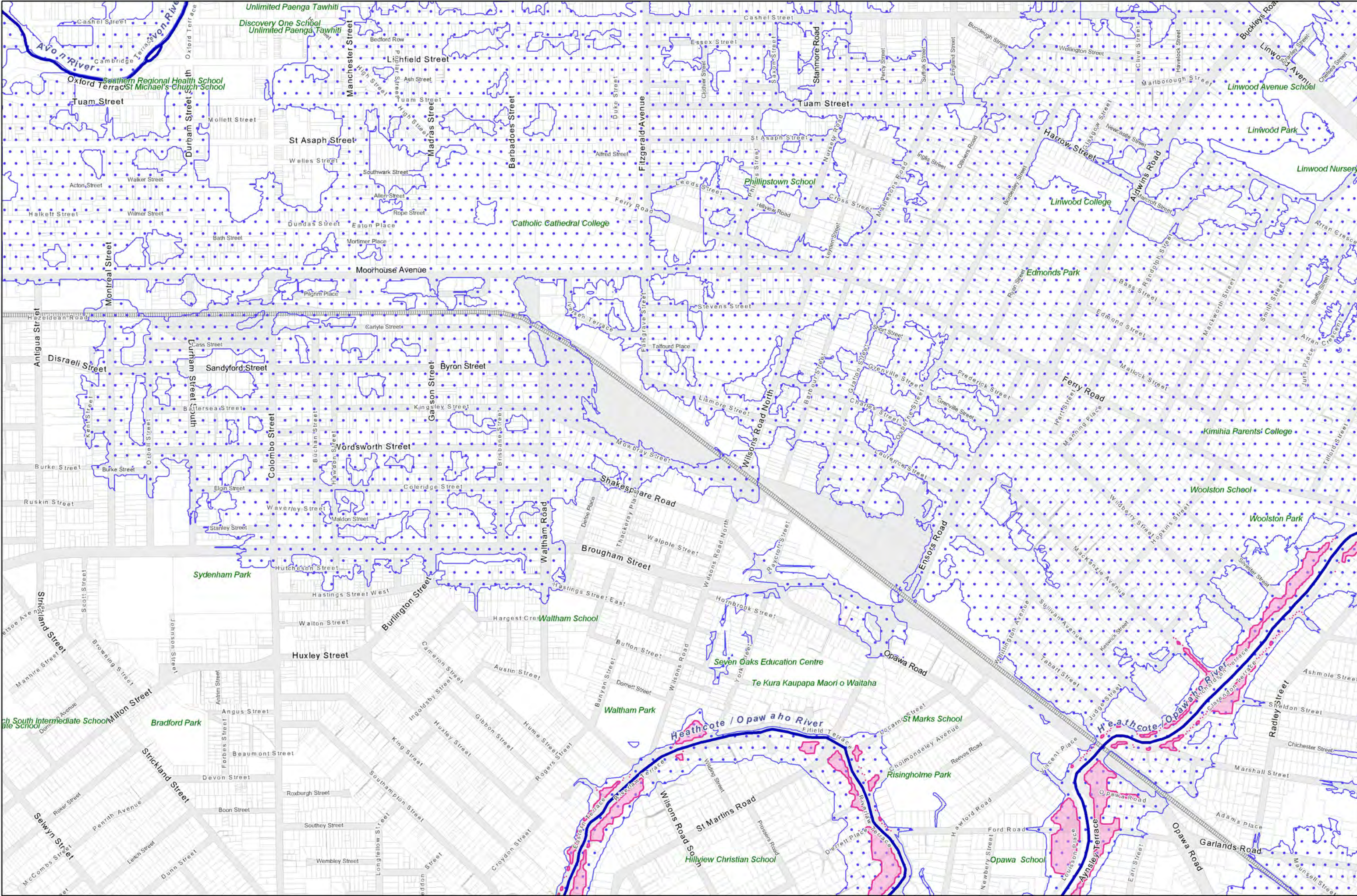


30	31	32
37	38	39
44	45	46

Planning Map 38
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- High Flood Hazard 0m SLR (smoothed)
- Waimakariri River Secondary Stopbank Setback

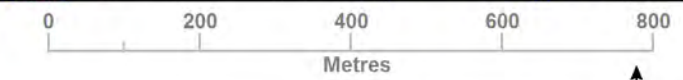


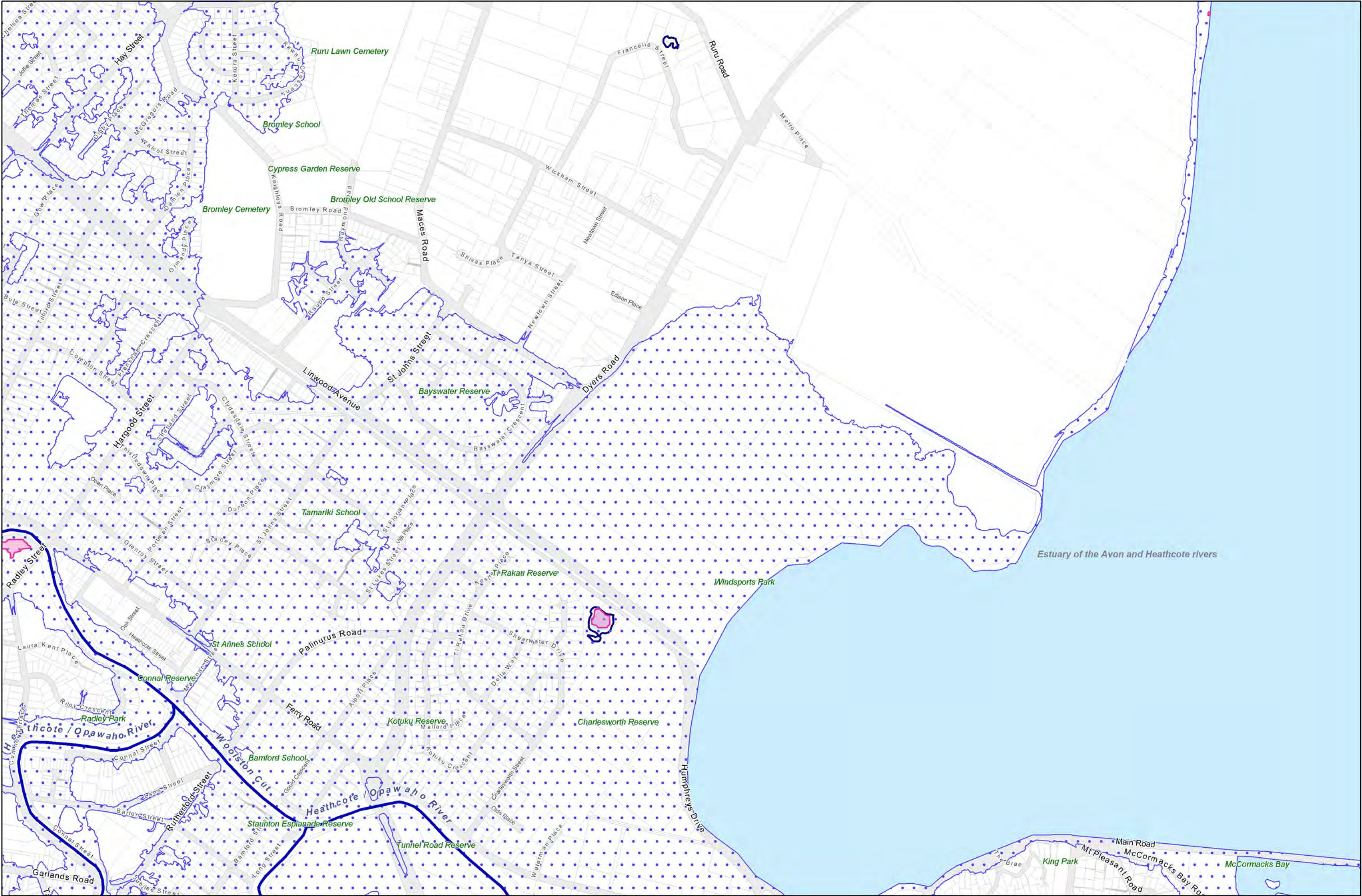


31	32	33
38	39	40
45	46	47

Planning Map 39 High Hazard 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



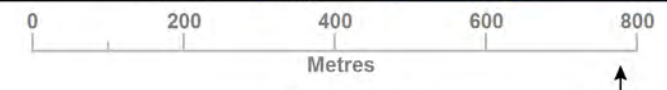


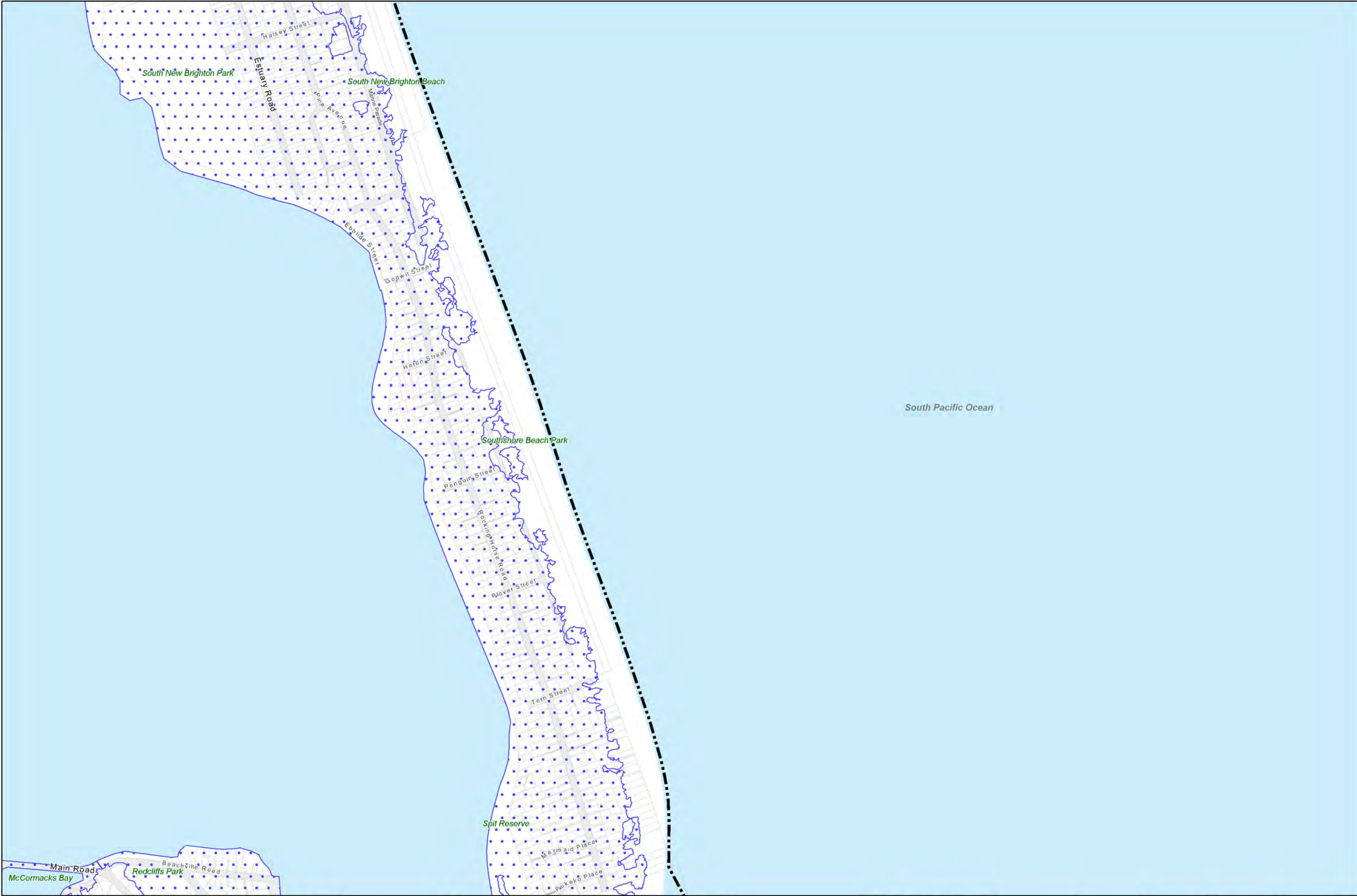
32	33	34
39	40	41
46	47	48

Planning Map 40
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



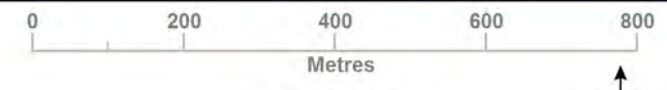


33	34
40	41
47	48

Planning Map 41
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

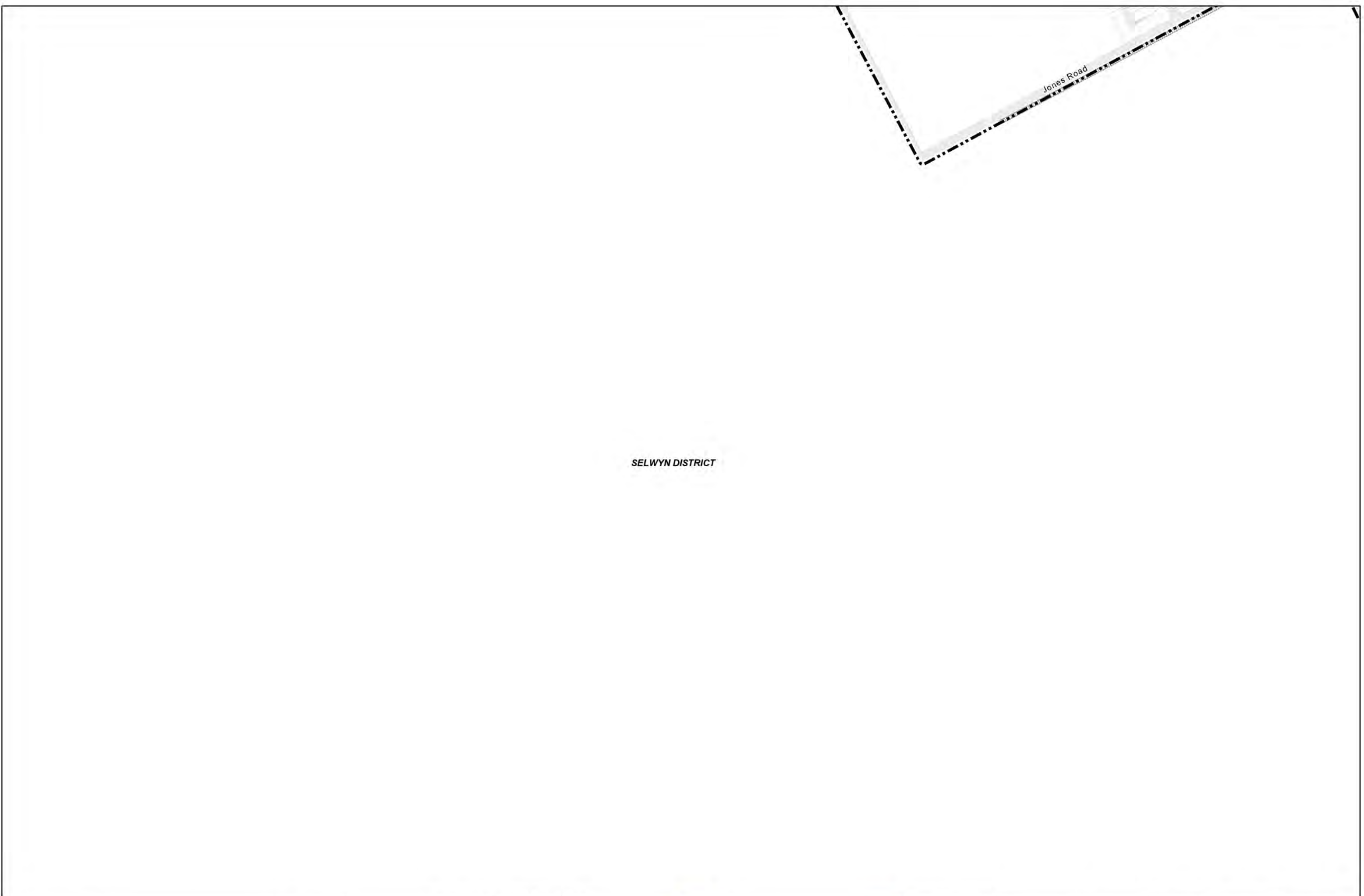
- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



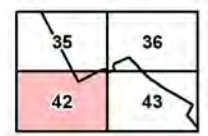
27/06/2016













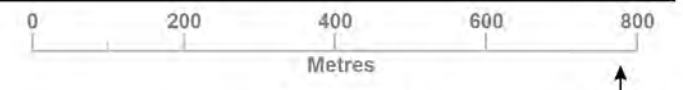
SELWYN DISTRICT

Jones Road



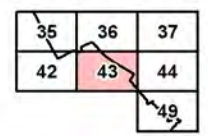
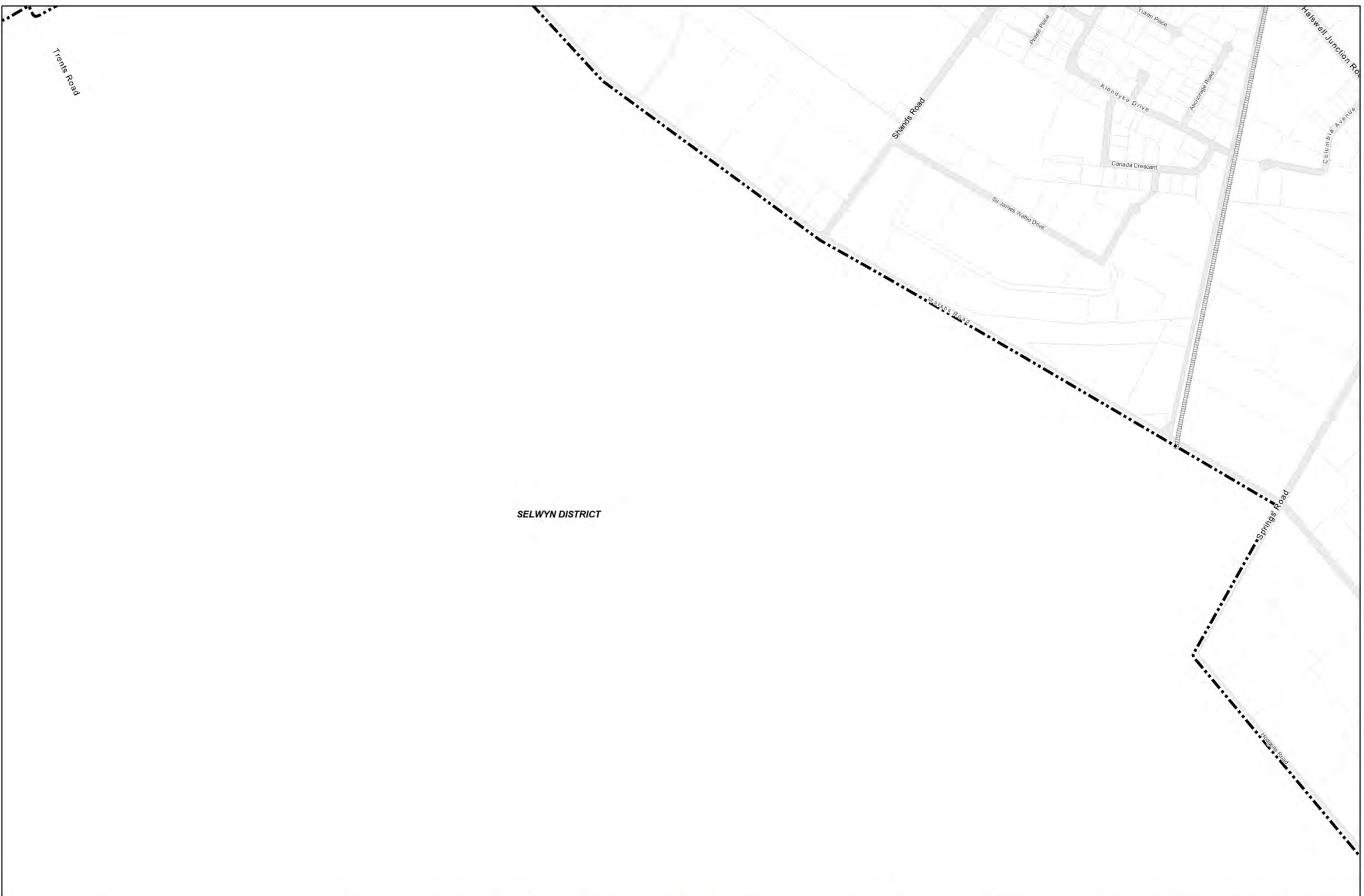
Planning Map 42
High Hazard
0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



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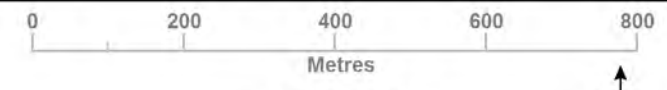




Planning Map 43
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

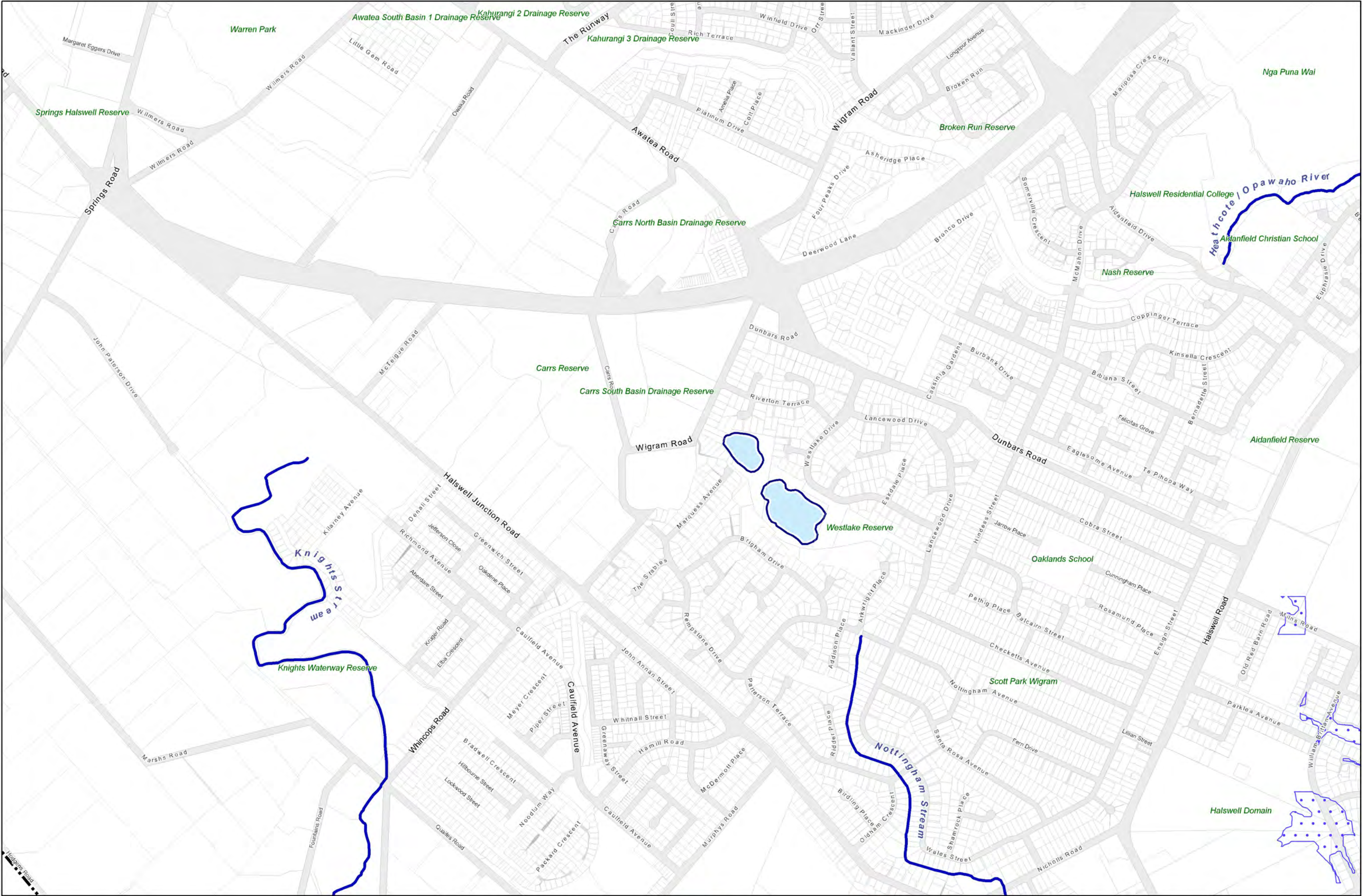
- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



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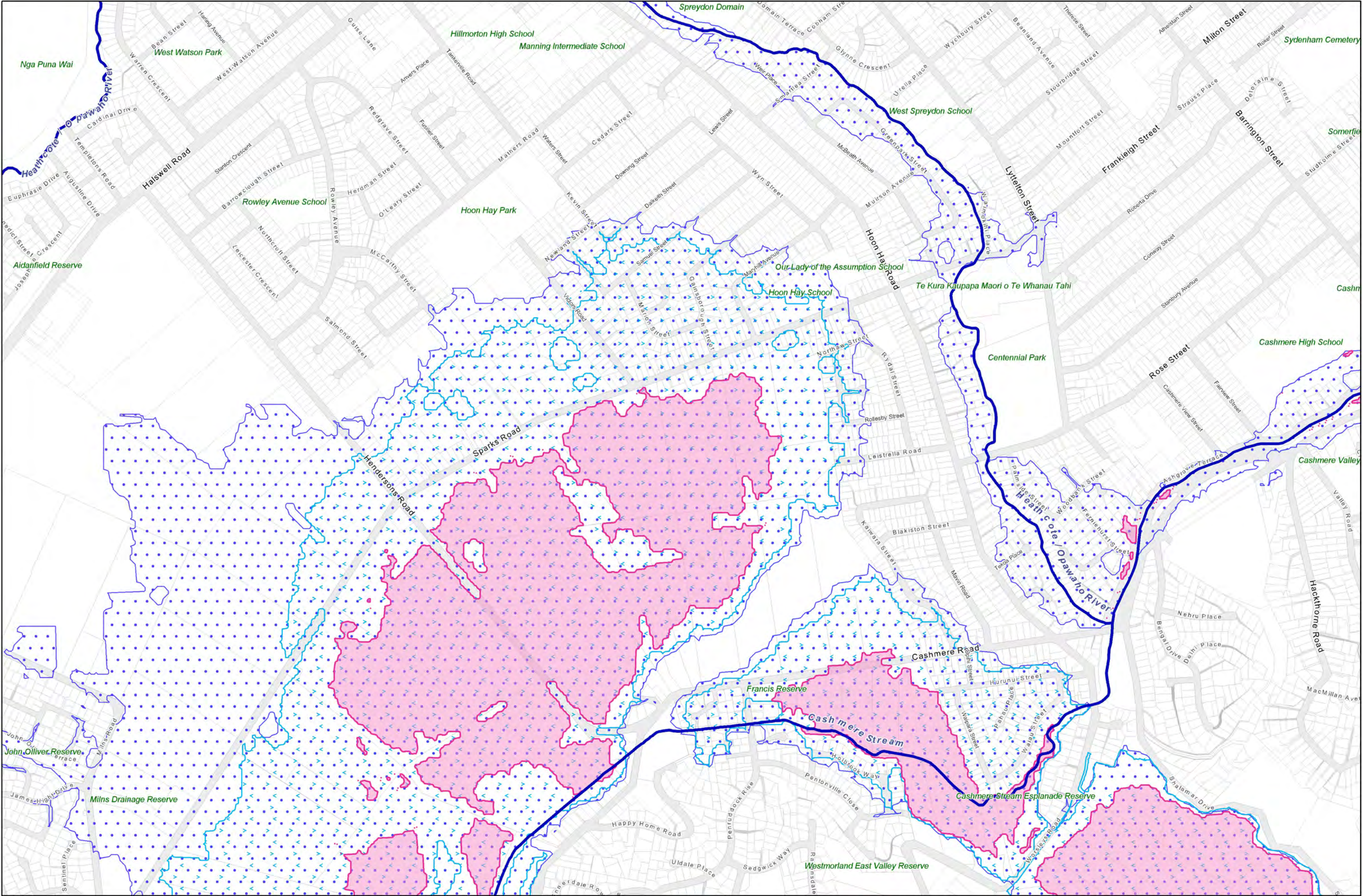




36	37	38
43	44	45
	49	50

Planning Map 44
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

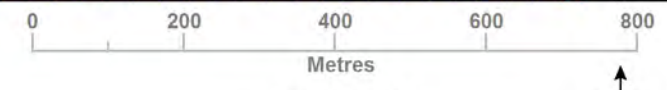
- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

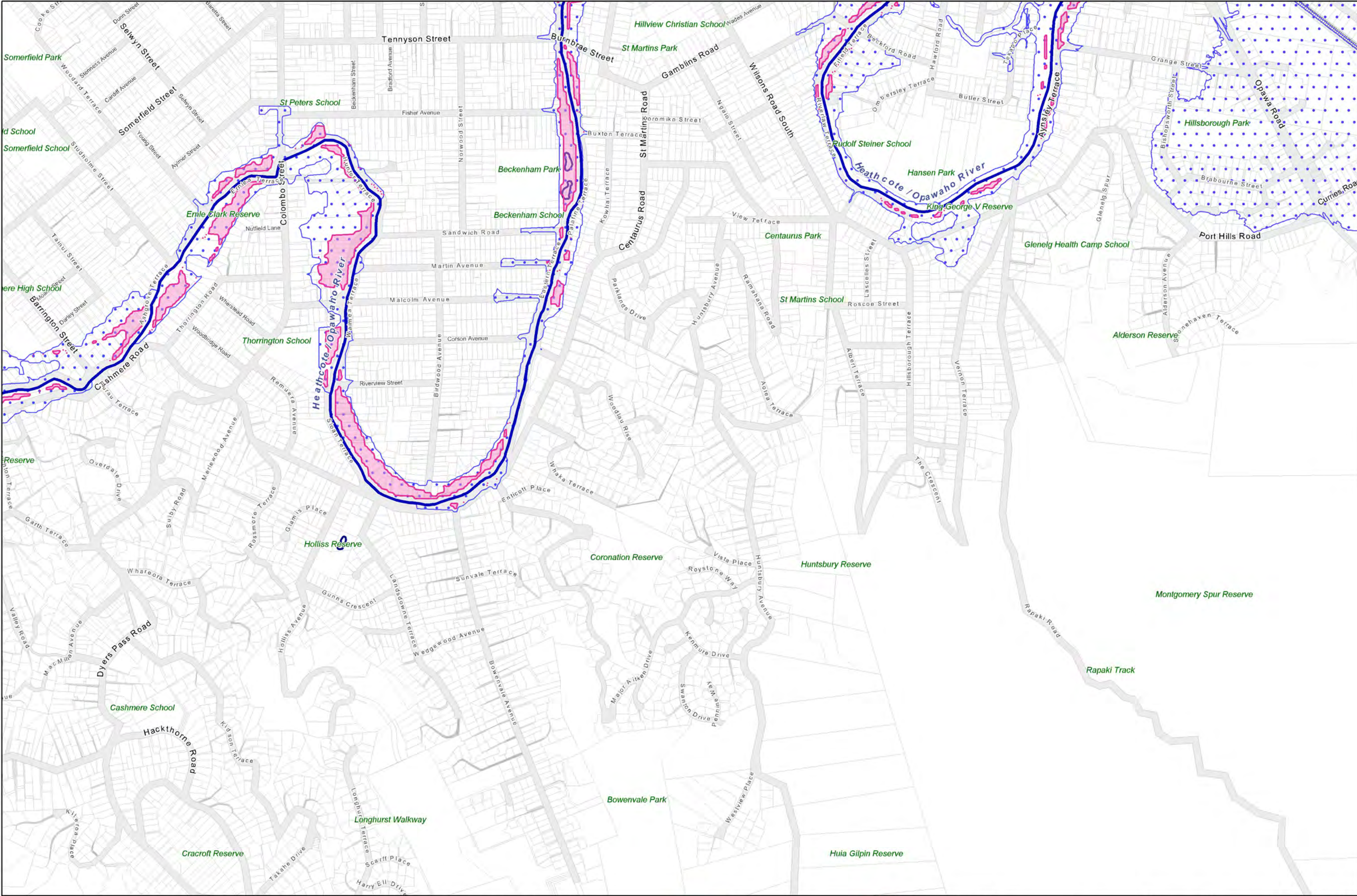


37	38	39
44	45	46
49	50	51

Planning Map 45 High Hazard 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

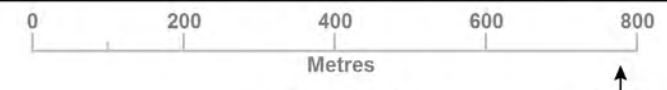


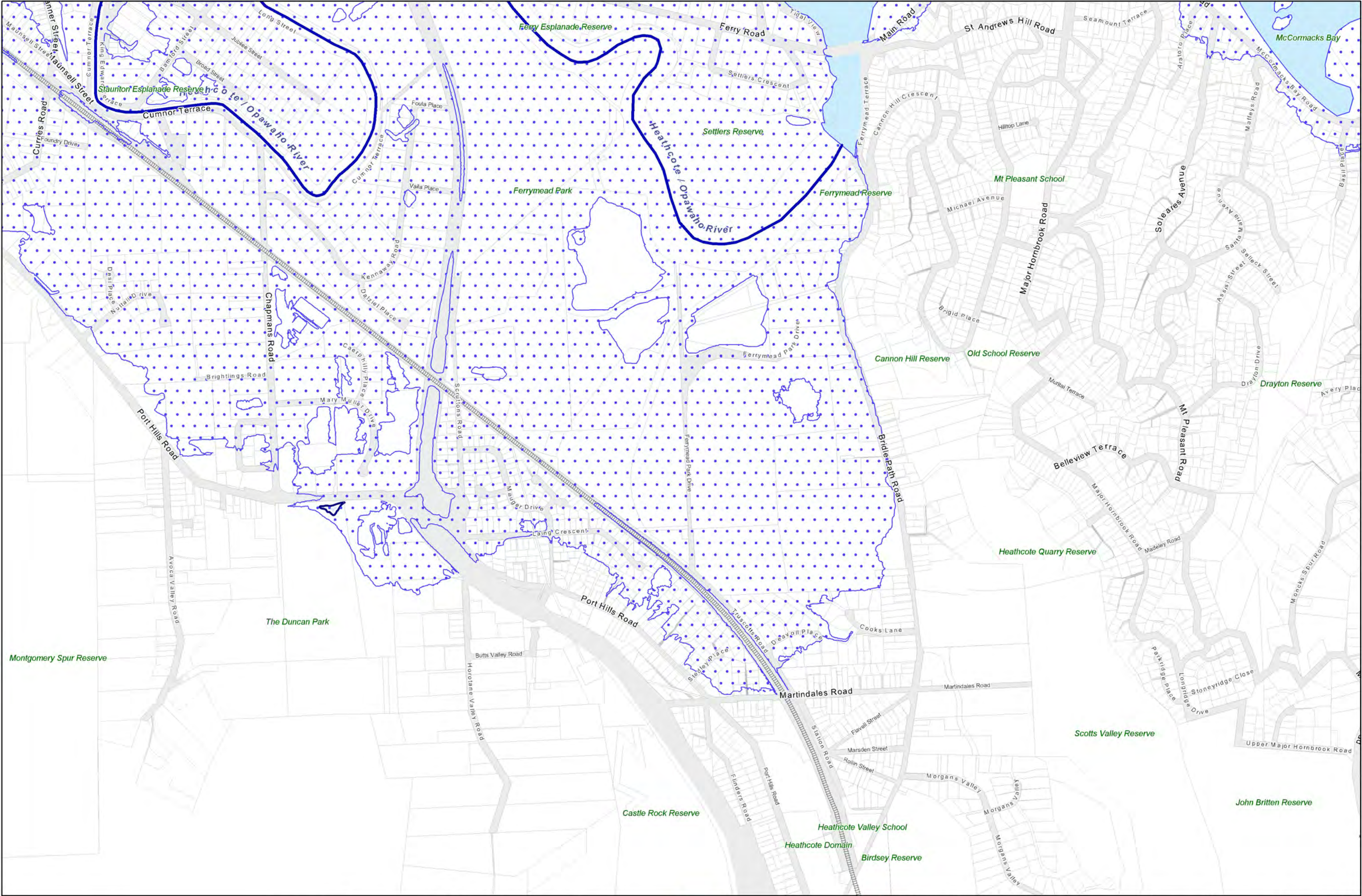


38	39	40
45	46	47
50	51	52

Planning Map 46
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

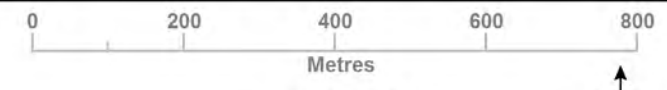




39	40	41
46	47	48
51	52	53

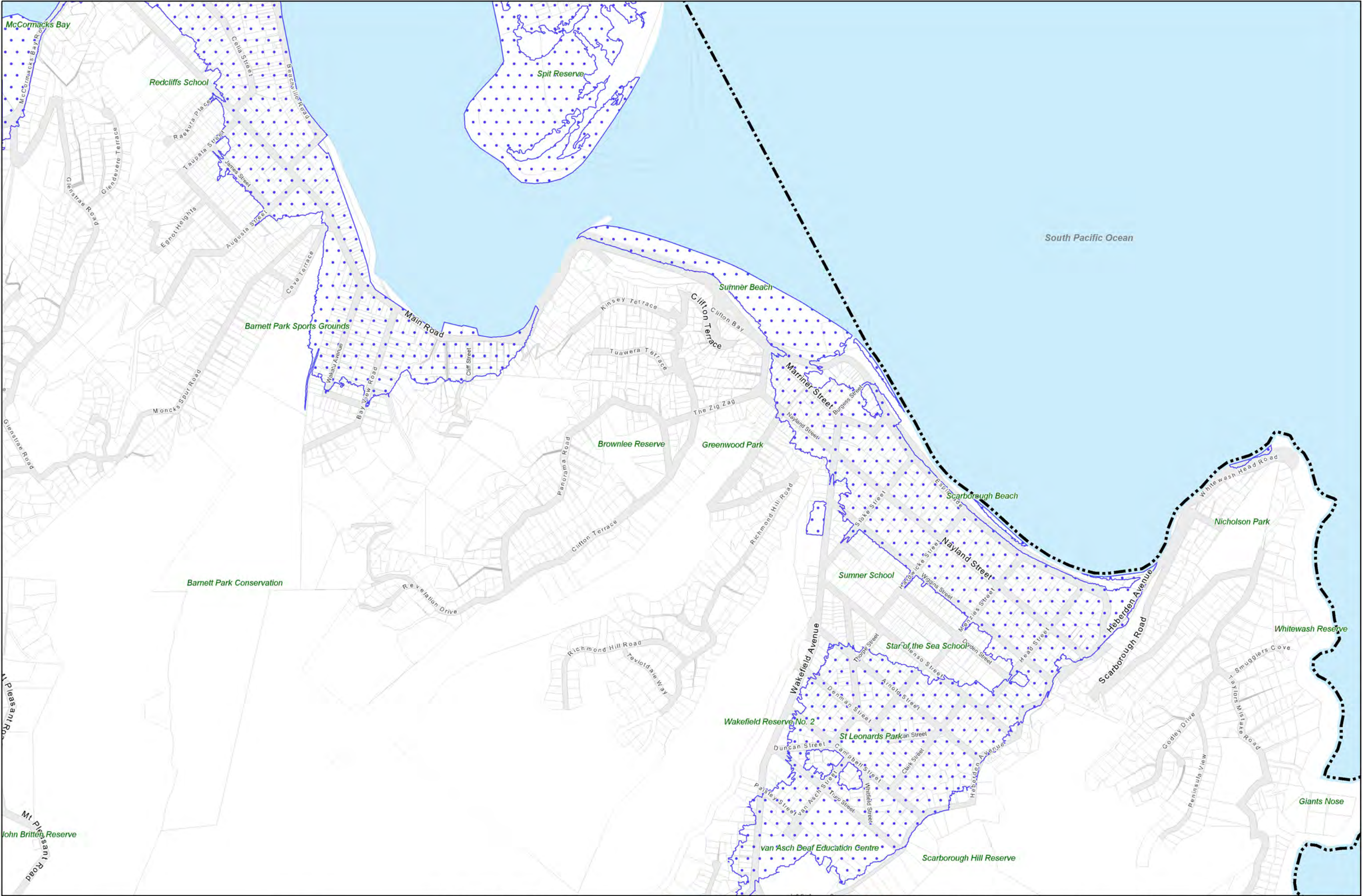
Planning Map 47
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



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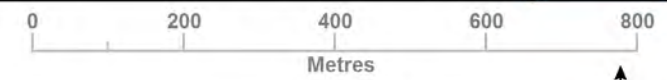




40	41
47	48
52	53

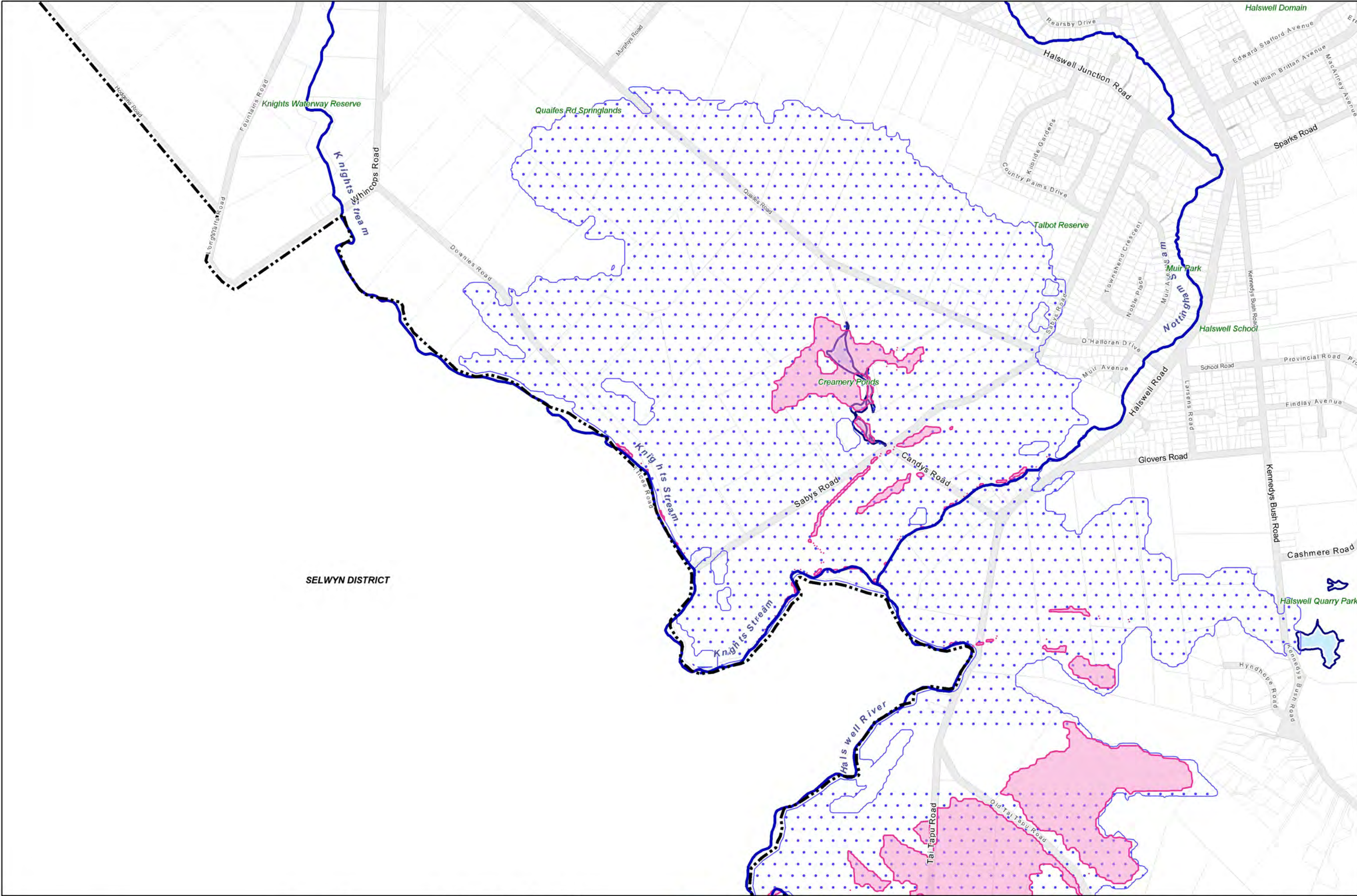
Planning Map 48
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



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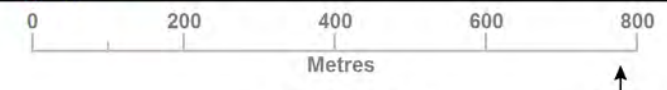


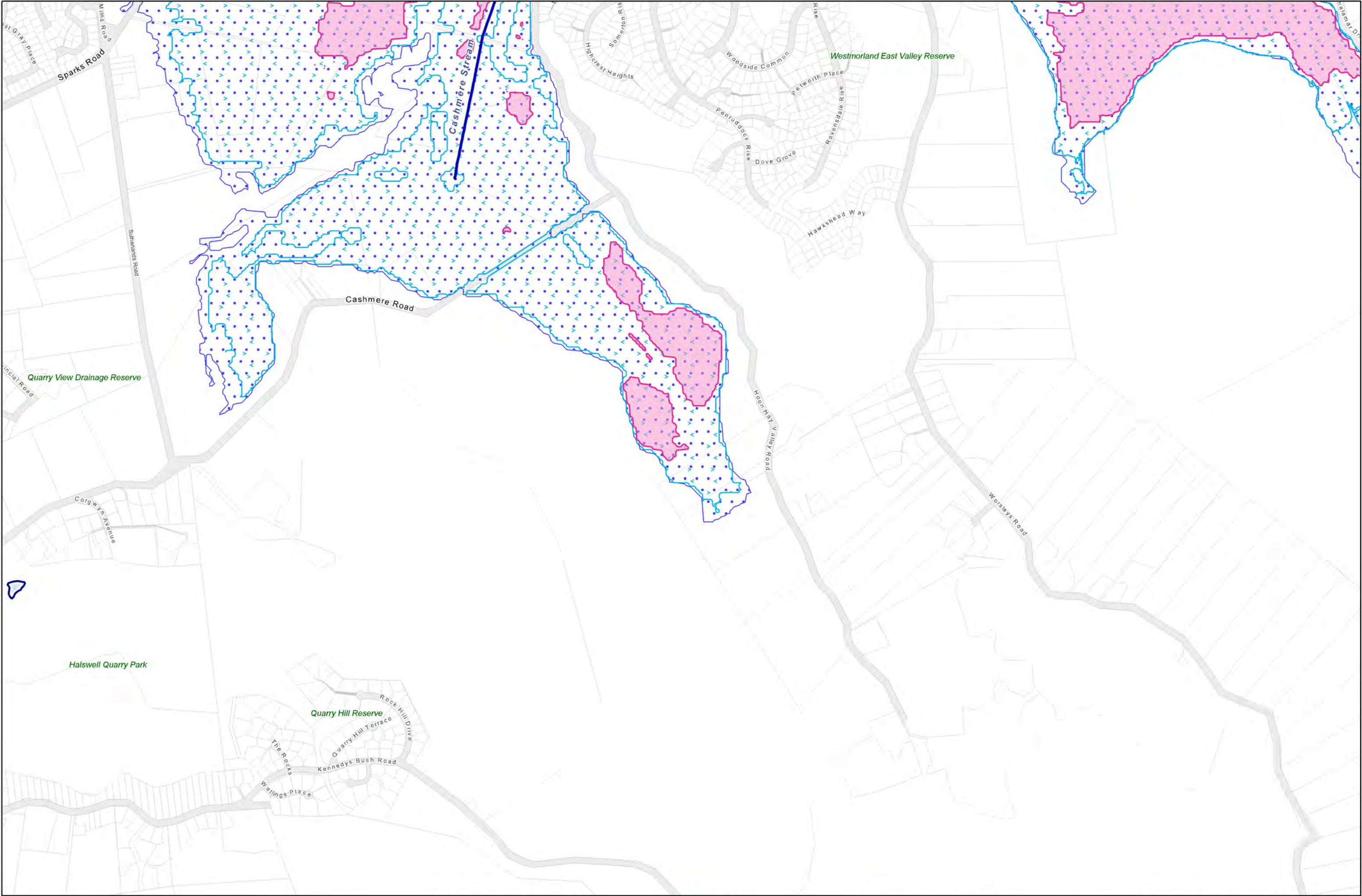


43	44	45
	49	50
55		56

Planning Map 49
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



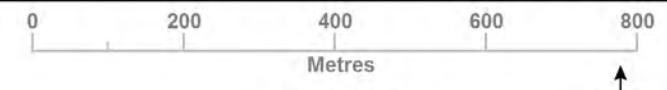


44	45	46
49	50	51
55	56	57

Planning Map 50
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)











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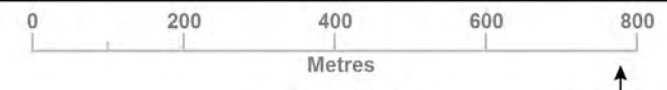




45	46	47
50	51	52
56	57	58

Planning Map 51
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



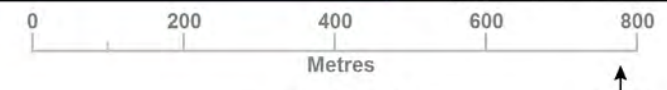


46	47	48
51	52	53
57	58	59

Planning Map 52
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)




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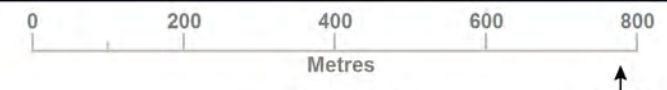


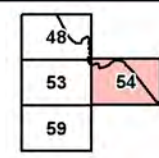
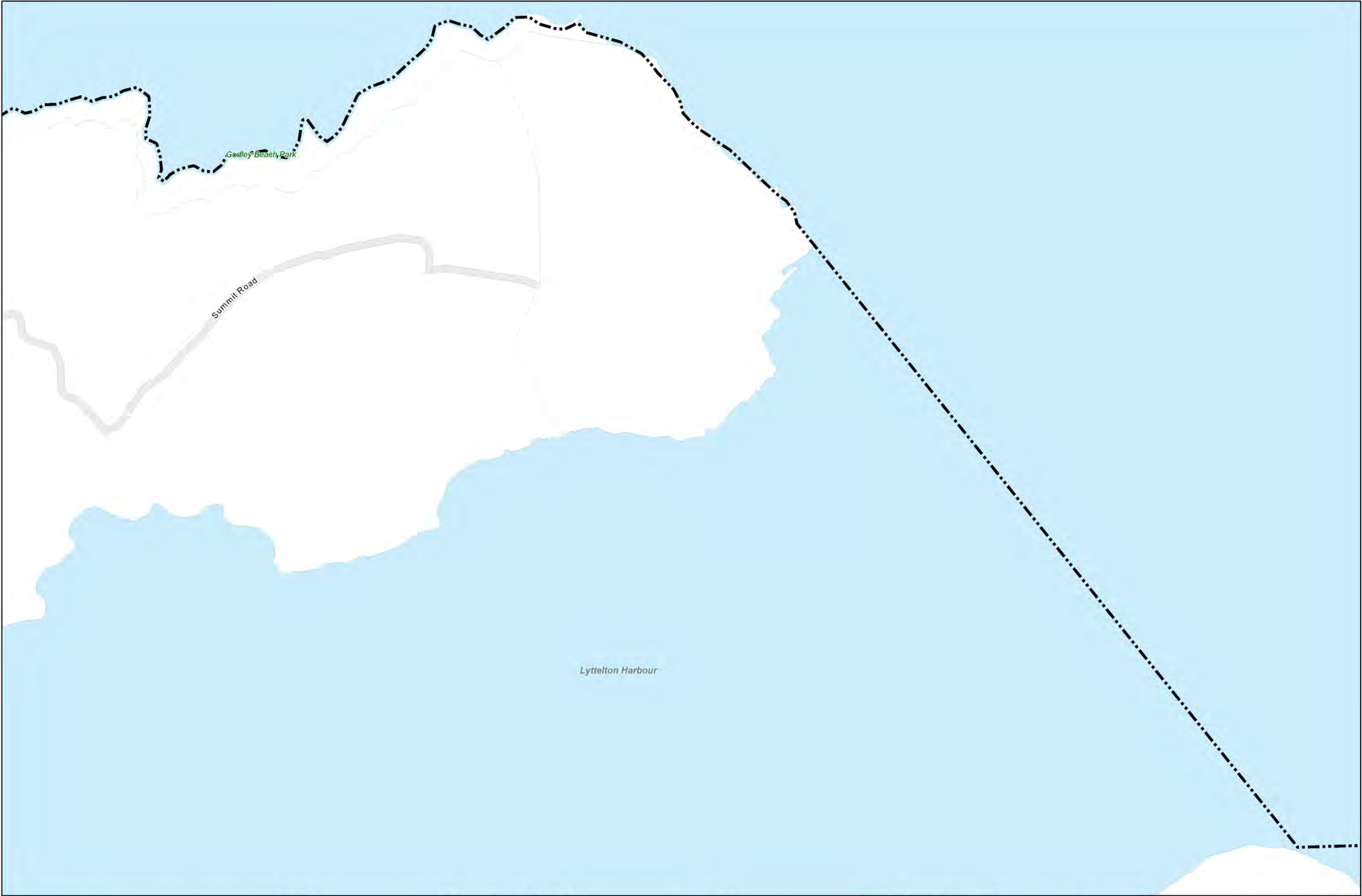


47	48
52	53
58	59









Planning Map 53 High Hazard 0m Sea Level Rise (SLR) Scenarios

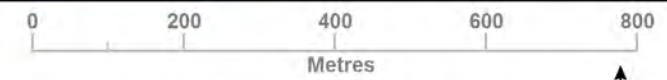
-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)

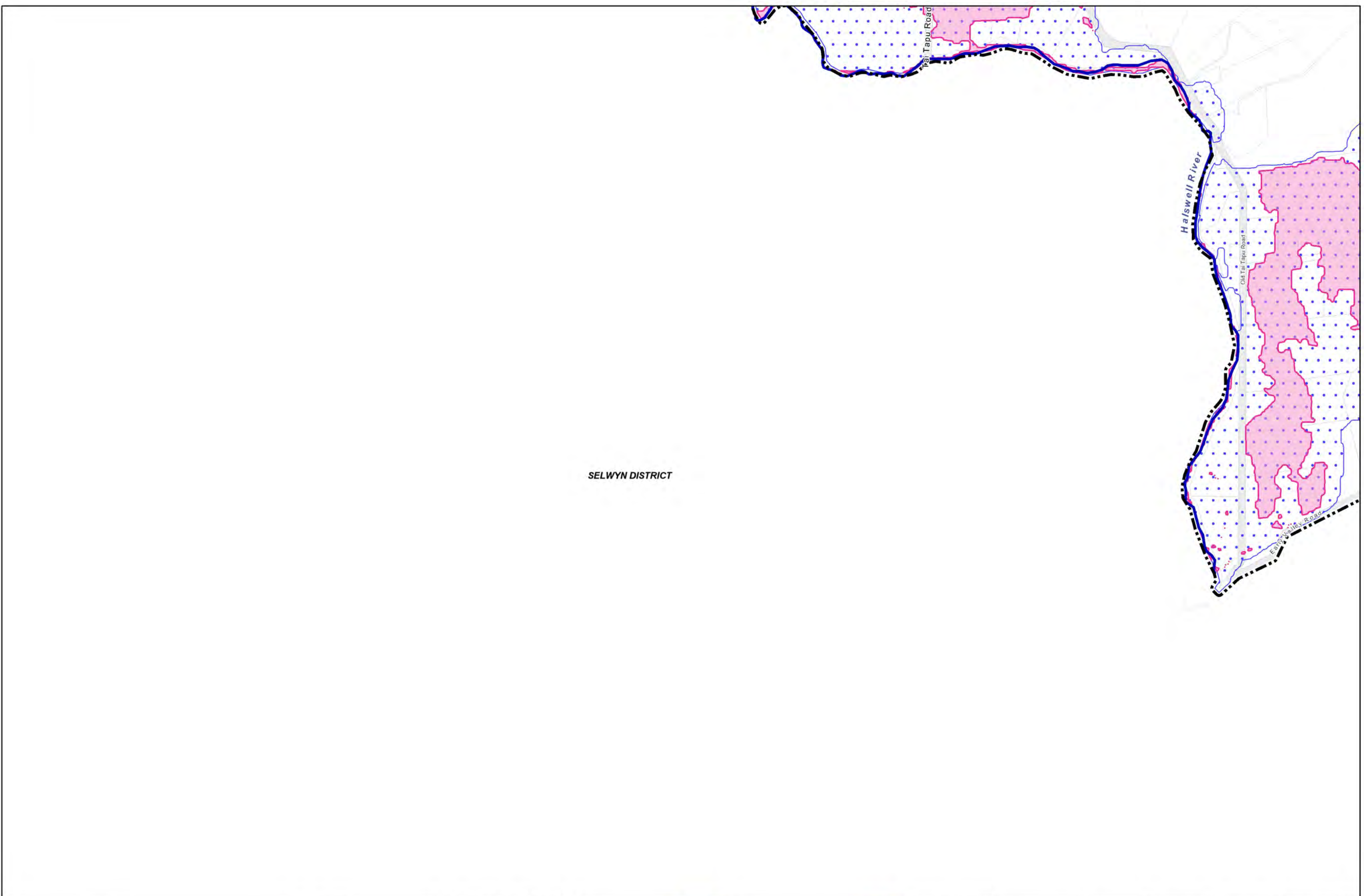




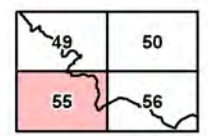
Planning Map 54
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)











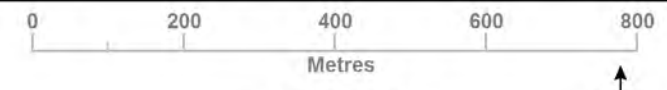


SELWYN DISTRICT



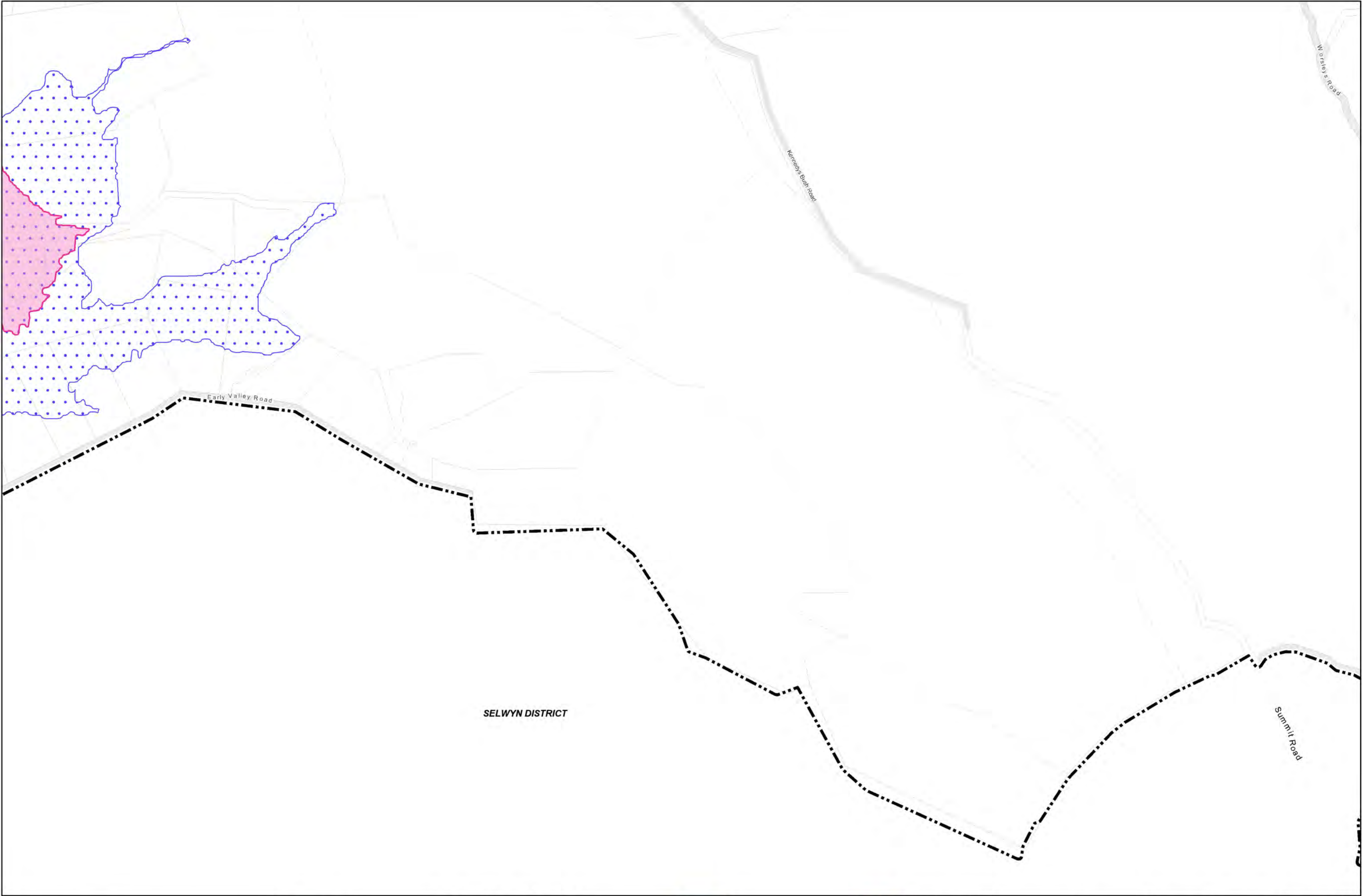
Planning Map 55
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)











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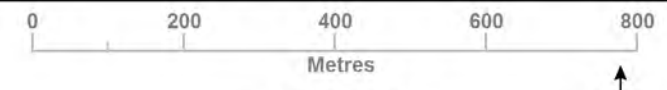


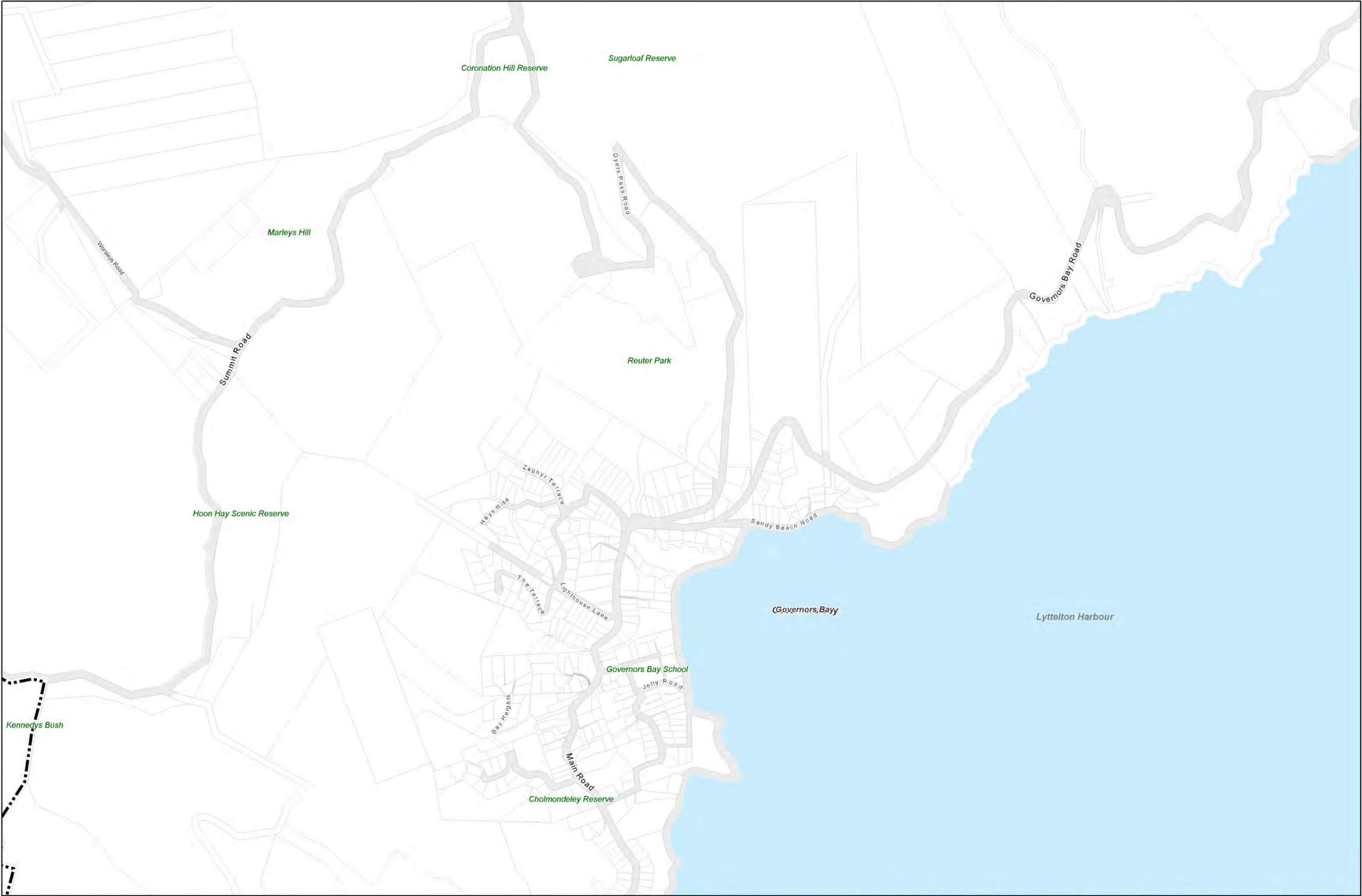


49	50	51
55	56	57
		60

Planning Map 56
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



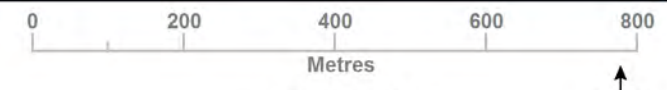


50	51	52
56	57	58
60	61	

Planning Map 57 High Hazard 0m Sea Level Rise (SLR) Scenarios

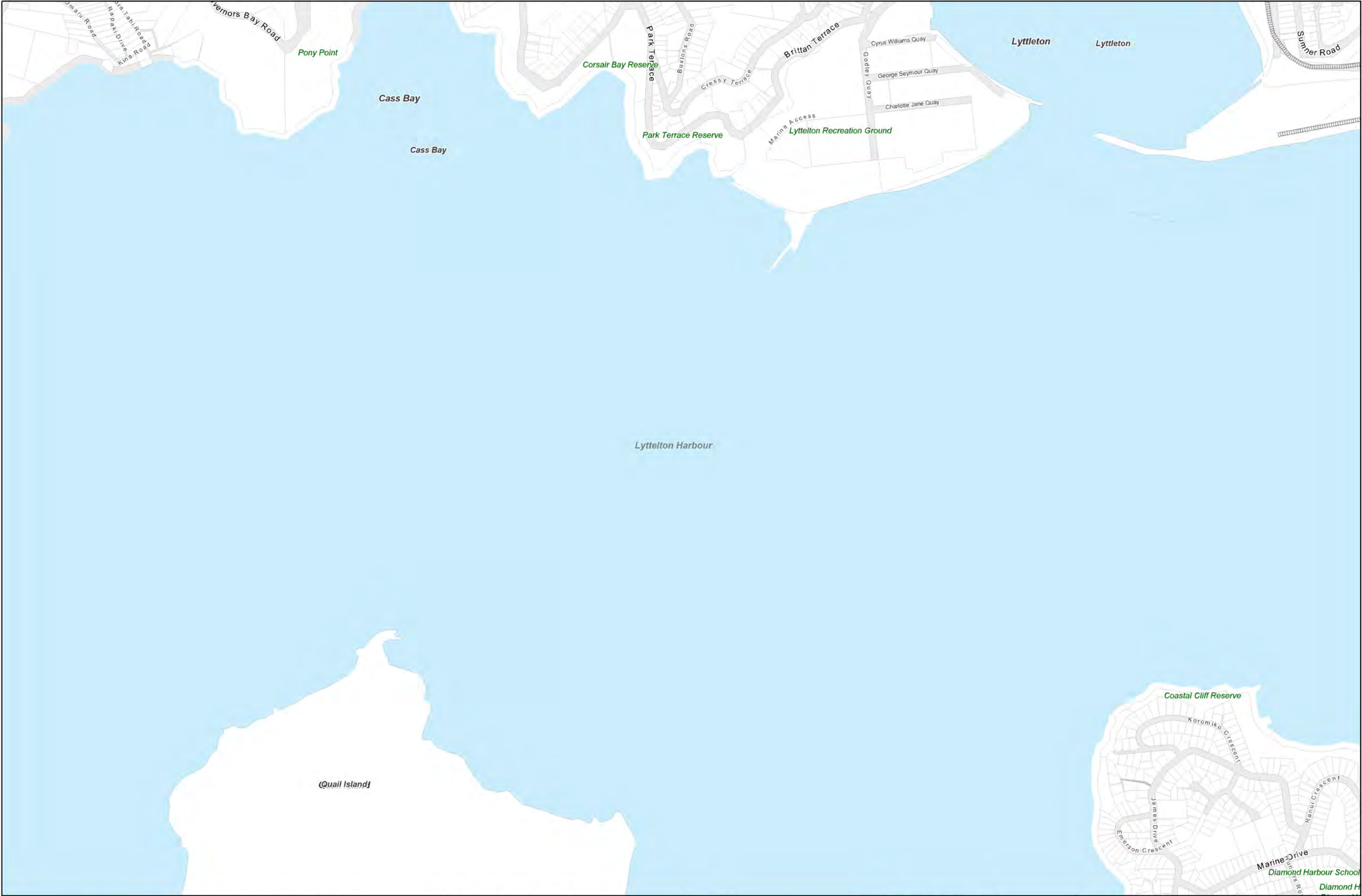
- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



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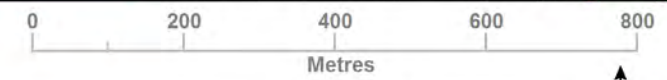


51	52	53
57	58	59
60	61	62

Planning Map 58
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



27/06/2016

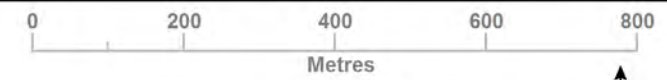




52	53	54
58	59	
61	62	

Planning Map 59
 High Hazard
 0m Sea Level Rise (SLR) Scenarios


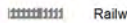






-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)

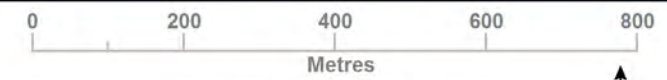




56	57	58
	60	61
		63

Planning Map 60
High Hazard
0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



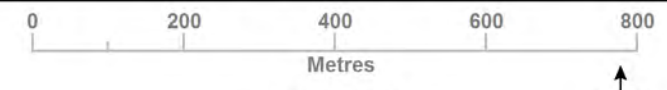


57	58	59
60	61	62
	63	

Planning Map 61
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)








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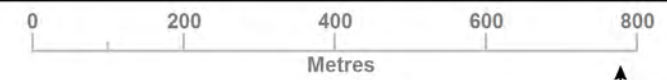


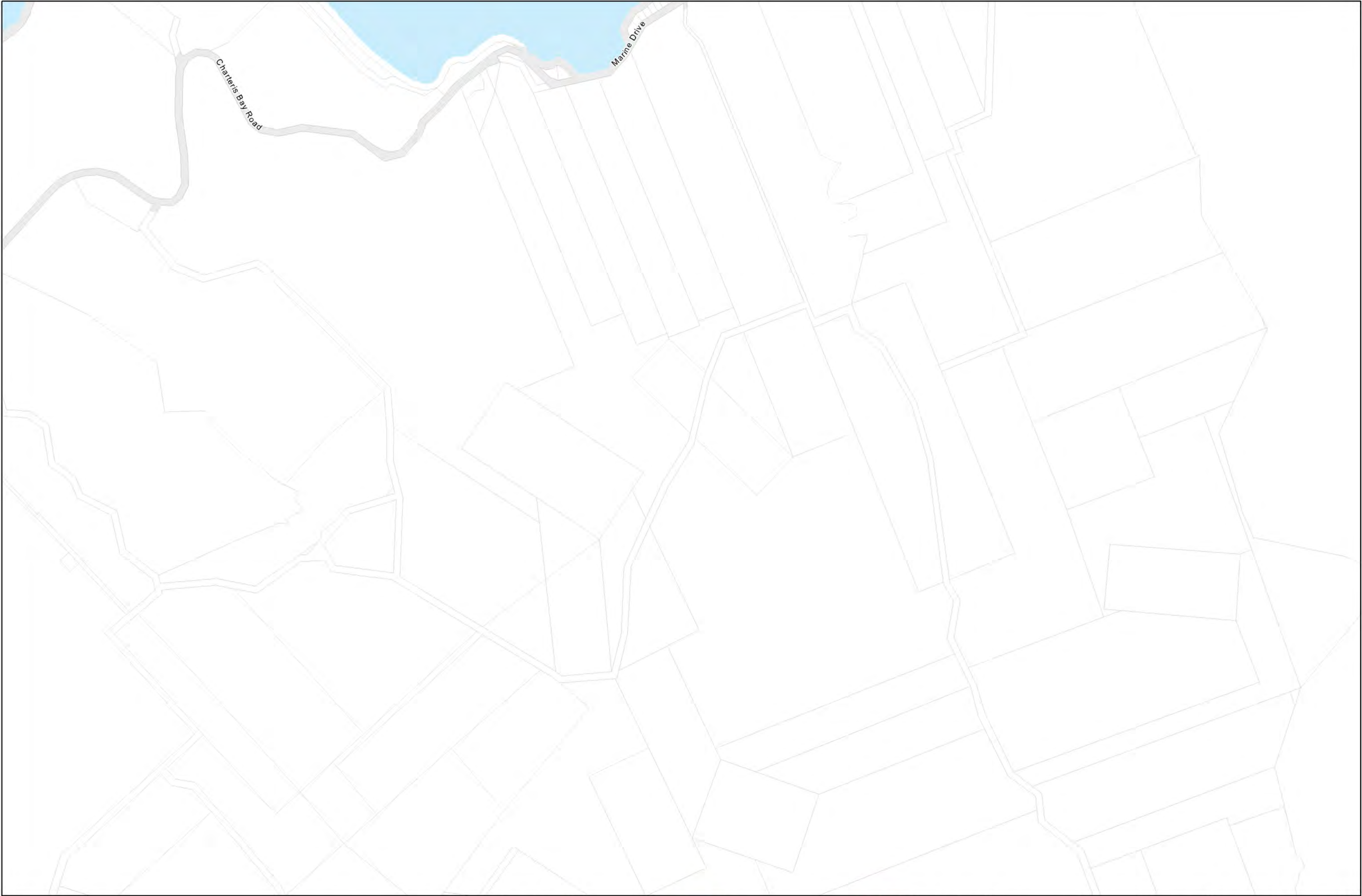


58	59
61	62
63	









Planning Map 62
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

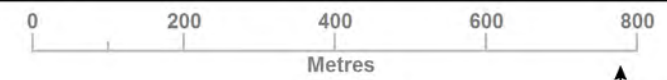
-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)






Planning Map 63
High Hazard
0m Sea Level Rise (SLR) Scenarios

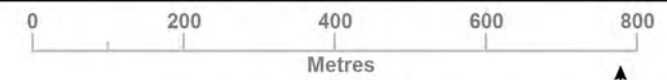
-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)






Planning Map 64
High Hazard
0m Sea Level Rise (SLR) Scenarios

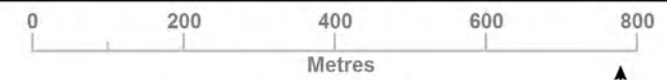
-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)

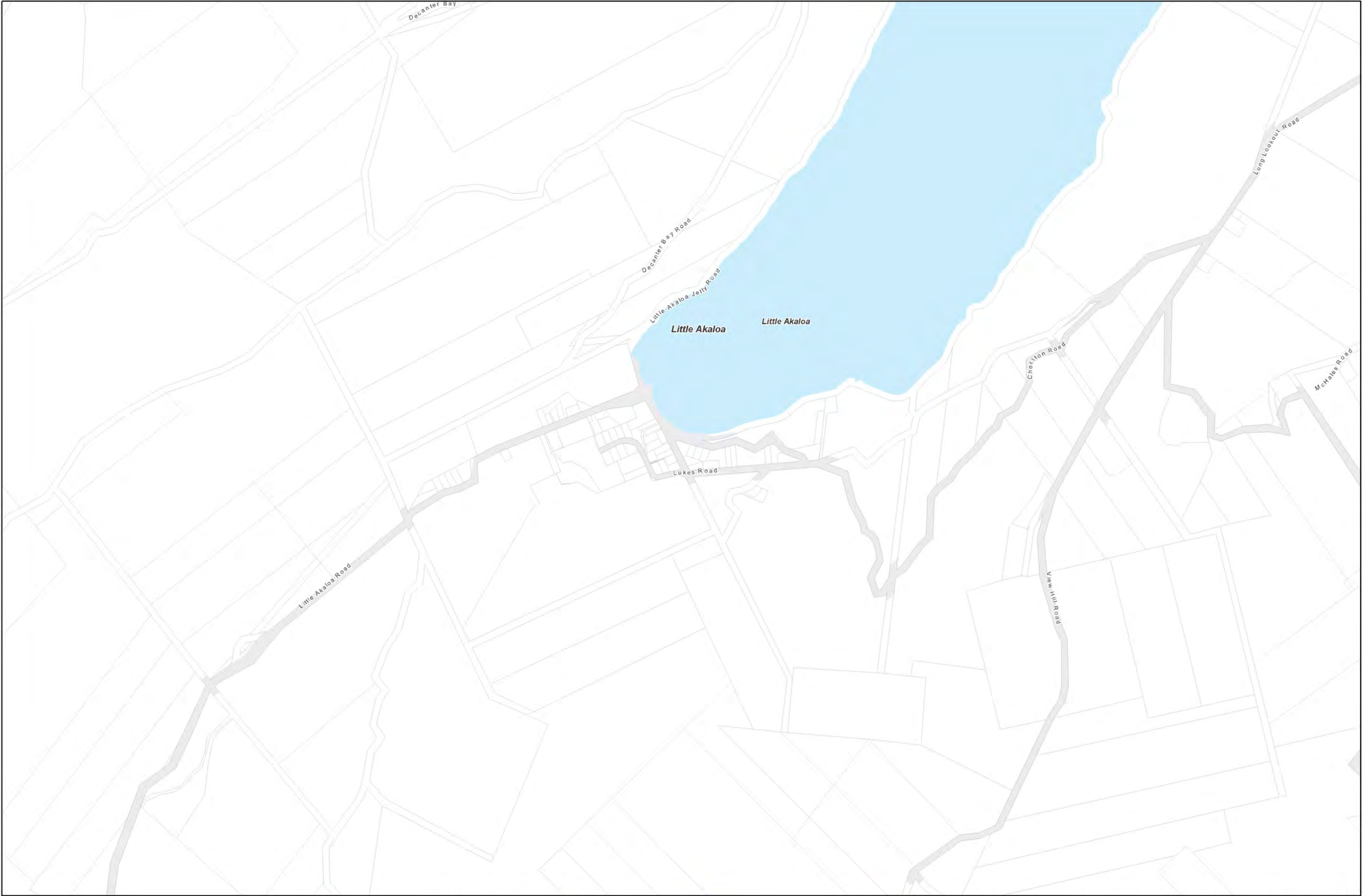










Planning Map 65
High Hazard
0m Sea Level Rise (SLR) Scenarios

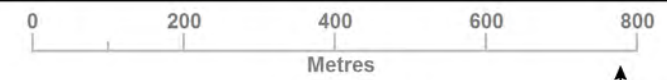
-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)











Planning Map 66
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

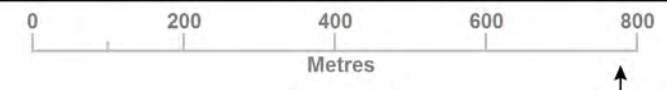
-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)













Planning Map 67
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

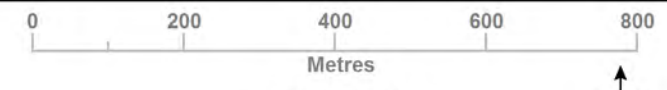
-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)

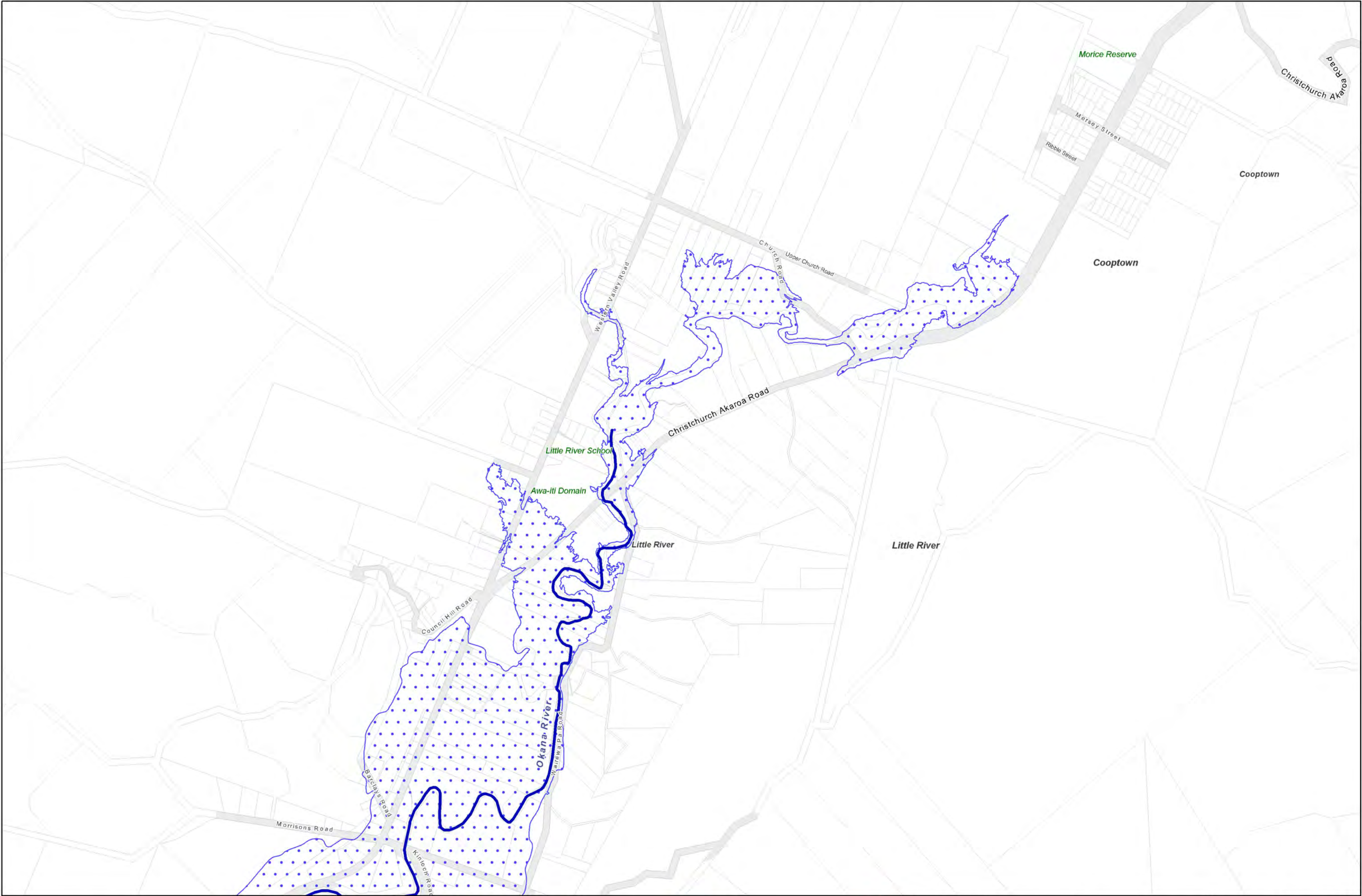




Planning Map 68
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)

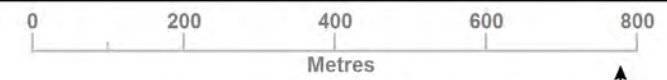




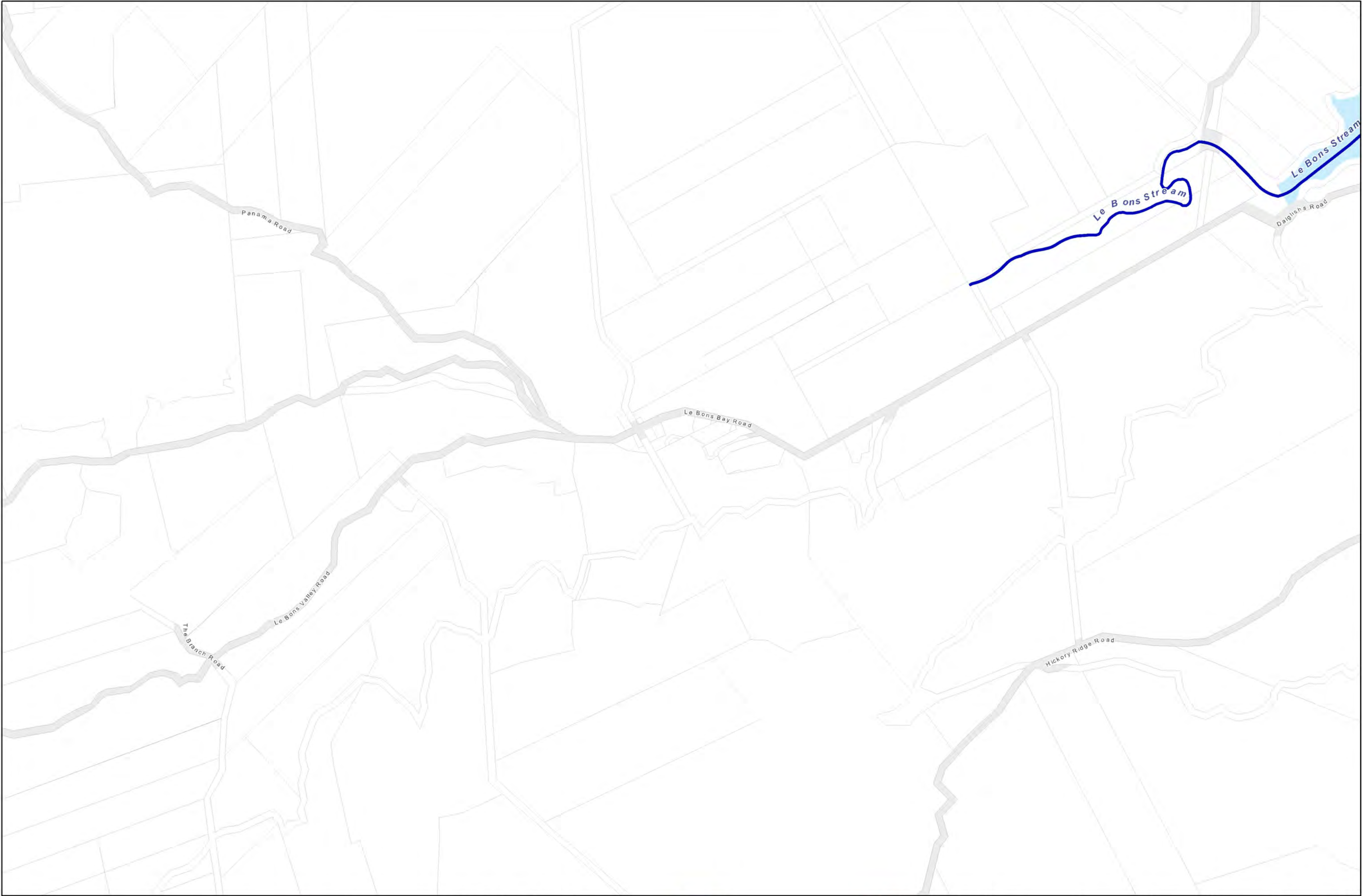
Planning Map 69
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback





- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

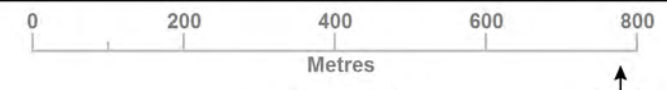






Planning Map 71
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)

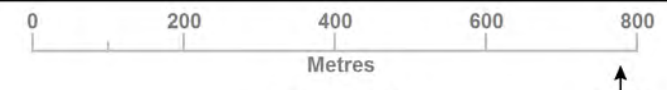




Planning Map 72
 High Hazard
 0m Sea Level Rise (SLR) Scenarios


- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

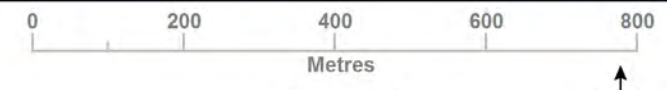
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)





Planning Map 73
High Hazard
0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)







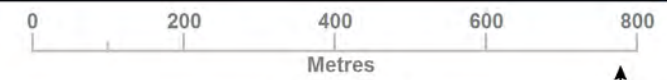
Planning Map 74
 High Hazard
 0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback
- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



Planning Map 75
High Hazard
0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback
-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)

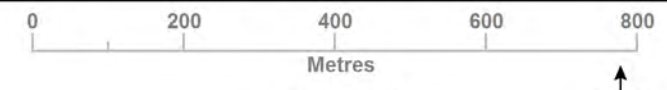




Planning Map 76
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback




- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)

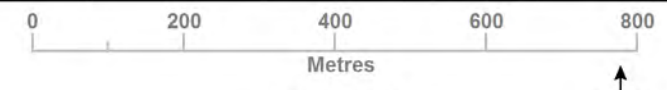




Planning Map 77
High Hazard
0m Sea Level Rise (SLR) Scenarios

-  River
-  Railway
-  Tunnel Road
-  Waimakariri River Primary Stopbank Setback
-  Waimakariri River Secondary Stopbank Setback

-  Flood Ponding (operative smoothed)
-  Flood Management Area (stage 1 and 3 smoothed)
-  High Flood Hazard 0m SLR (smoothed)



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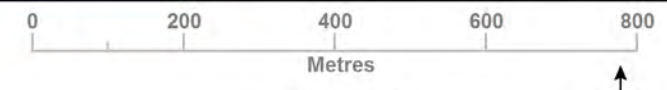




Planning Map 78
High Hazard
0m Sea Level Rise (SLR) Scenarios

- River
- Railway
- Tunnel Road
- Waimakariri River Primary Stopbank Setback
- Waimakariri River Secondary Stopbank Setback

- Flood Ponding (operative smoothed)
- Flood Management Area (stage 1 and 3 smoothed)
- High Flood Hazard 0m SLR (smoothed)



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