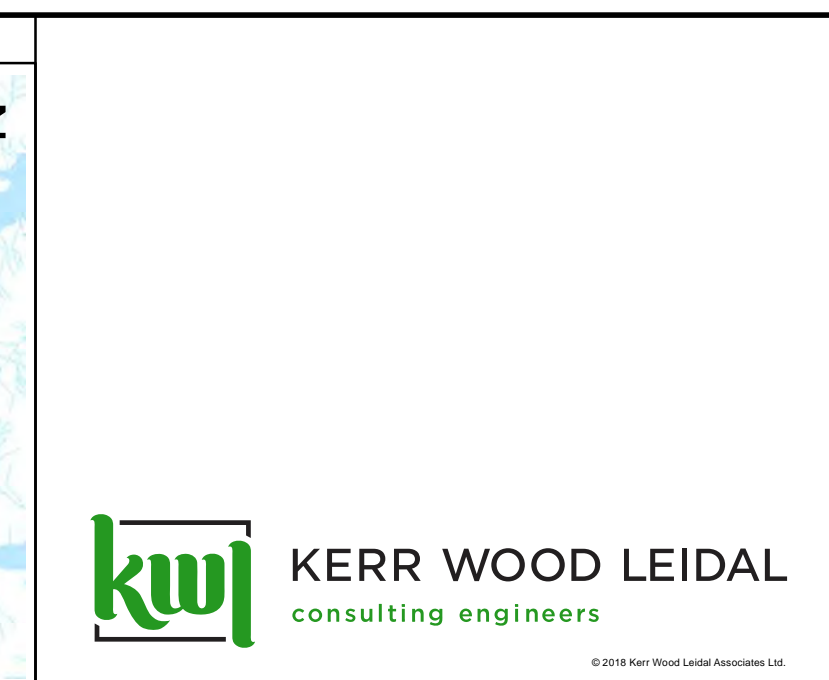
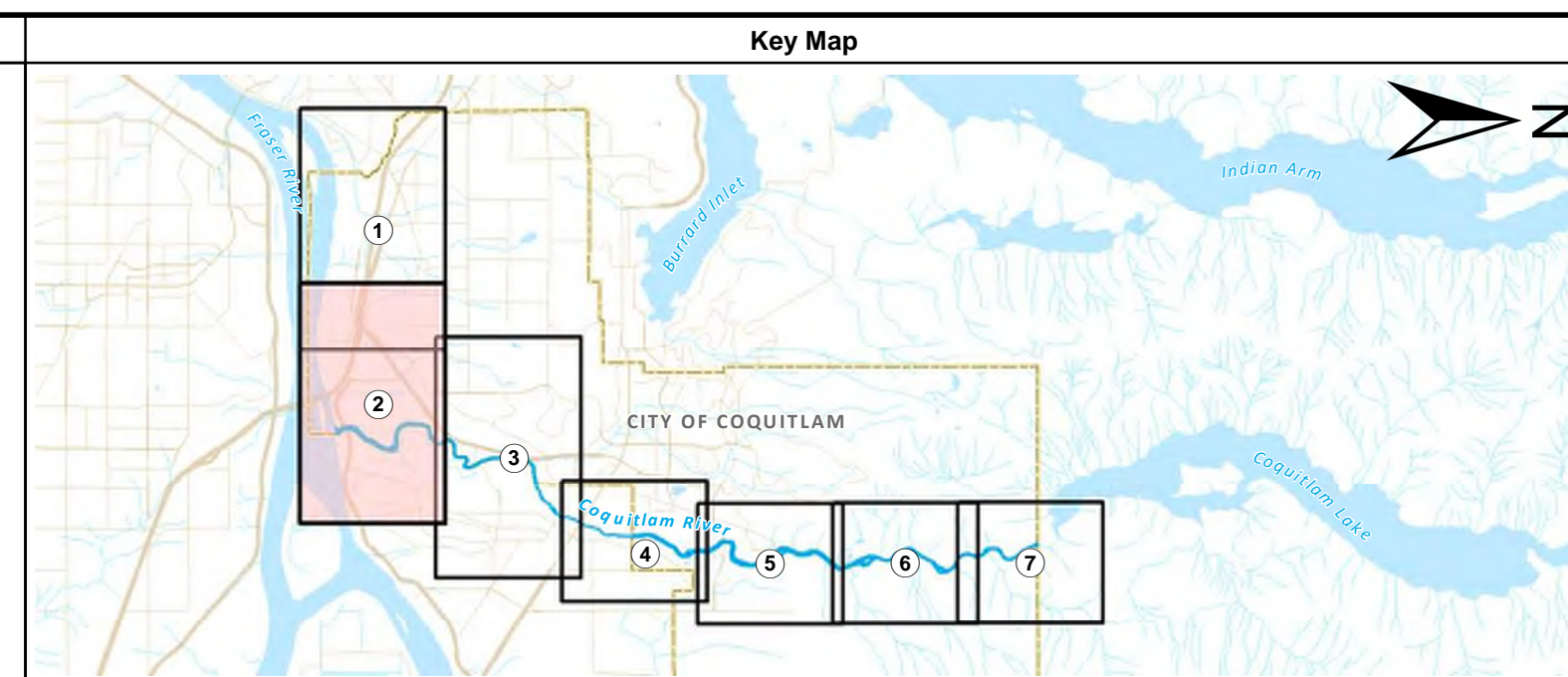


Notes

Fraser River design flood is approximately 500-year return period.
 Coquitlam River design flood is 200-year return period.

Legend

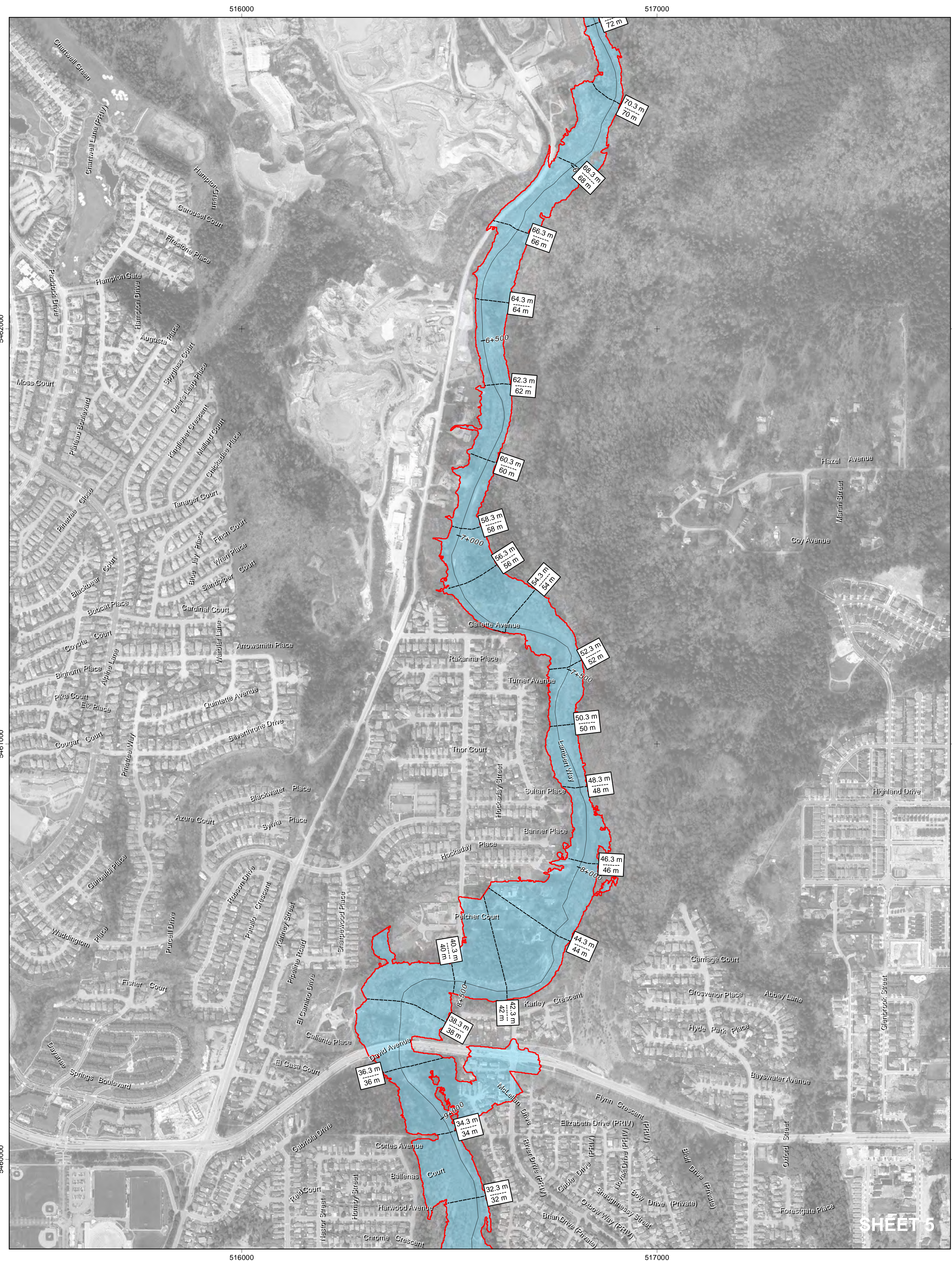
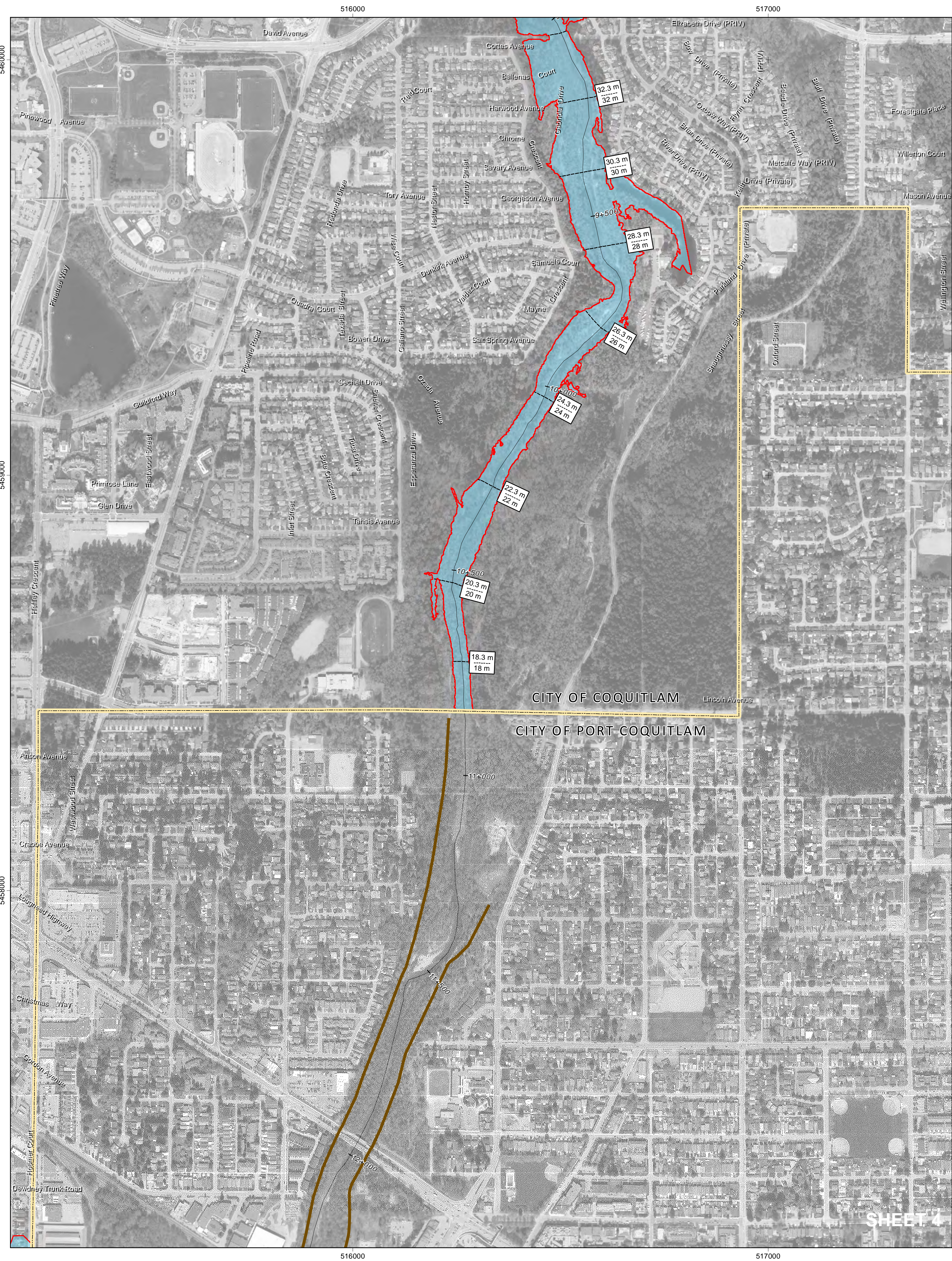
	Municipal Boundary
	Dike
	Design Flood Level Flood Extent without Freeboard (Year 2200-No Climate Change)
	with Freeboard
	Flood Contour for Year 2014 Climate Change Scenario (with and without Freeboard)
	without Freeboard
	Mike11 Computational Network
Note: Mike 11 features from NHC 2008 report.	



**City of Coquitlam
 Coquitlam and Fraser Rivers
 Floodplain Mapping
 Year 2200**

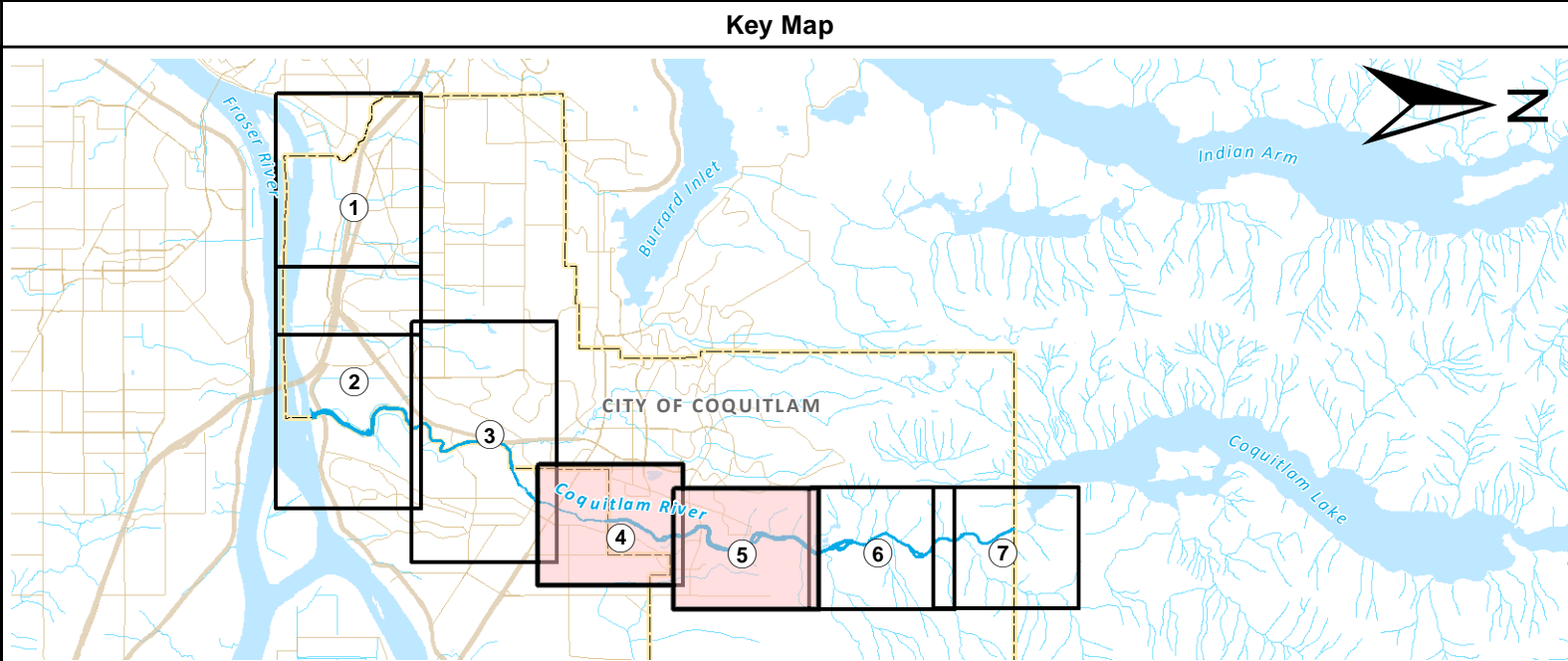
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Notes
Fraser River design flood is approximately 500-year return period.
Coquitlam River design flood is 200-year return period.

- Legend**
- Municipal Boundary
 - Dike
 - Design Flood Level Flood Extent without Freeboard (Year 2200-No Climate Change)
 - with Freeboard
 - Flood Contour for Year 2140 Climate Change Scenario (with and without Freeboard)

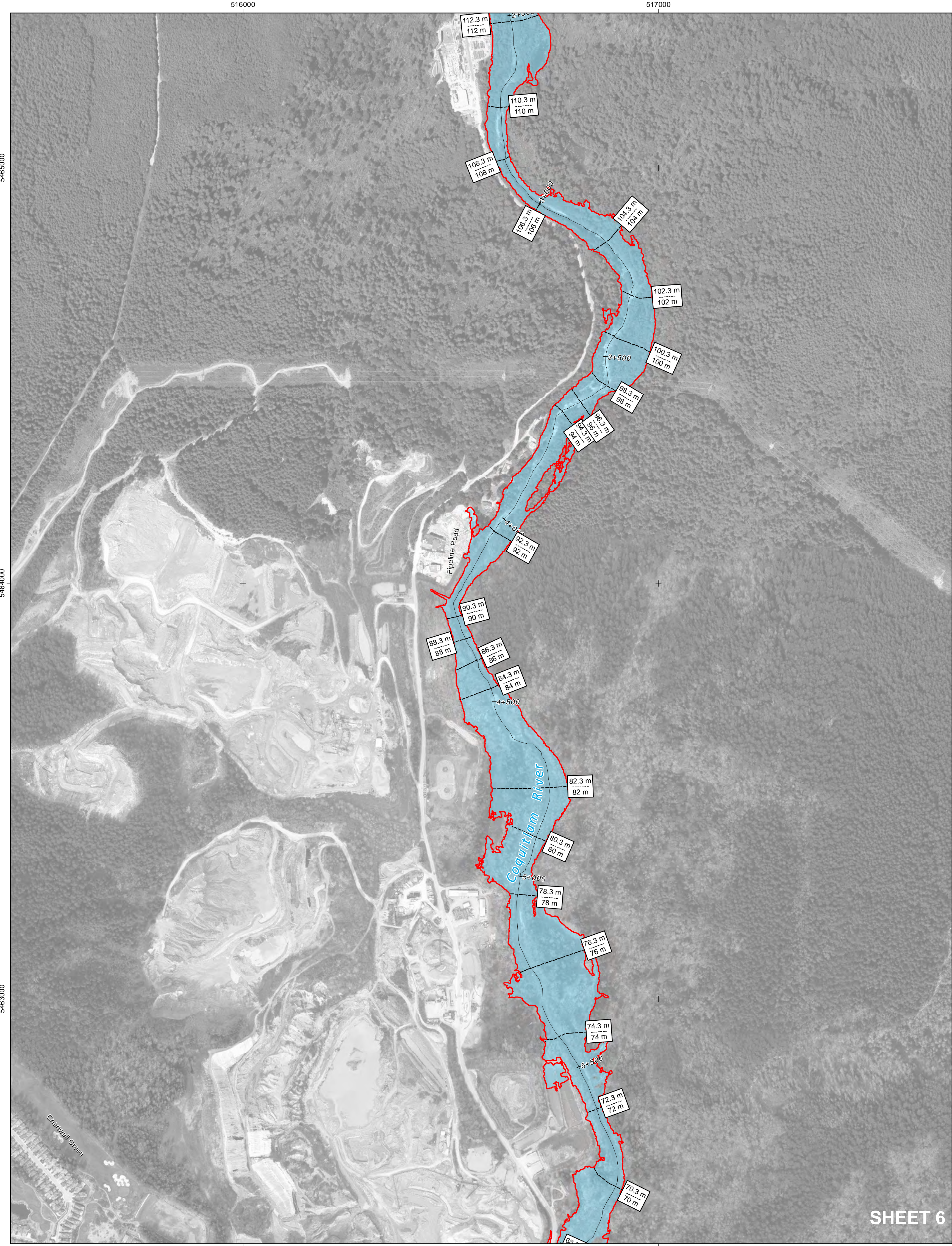


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**City of Coquitlam
Coquitlam and Fraser Rivers
Floodplain Mapping
Year 2200**

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	August 2017	456-092	
	Sheet No.	Drawn	Approved
	4 of 8	JL	

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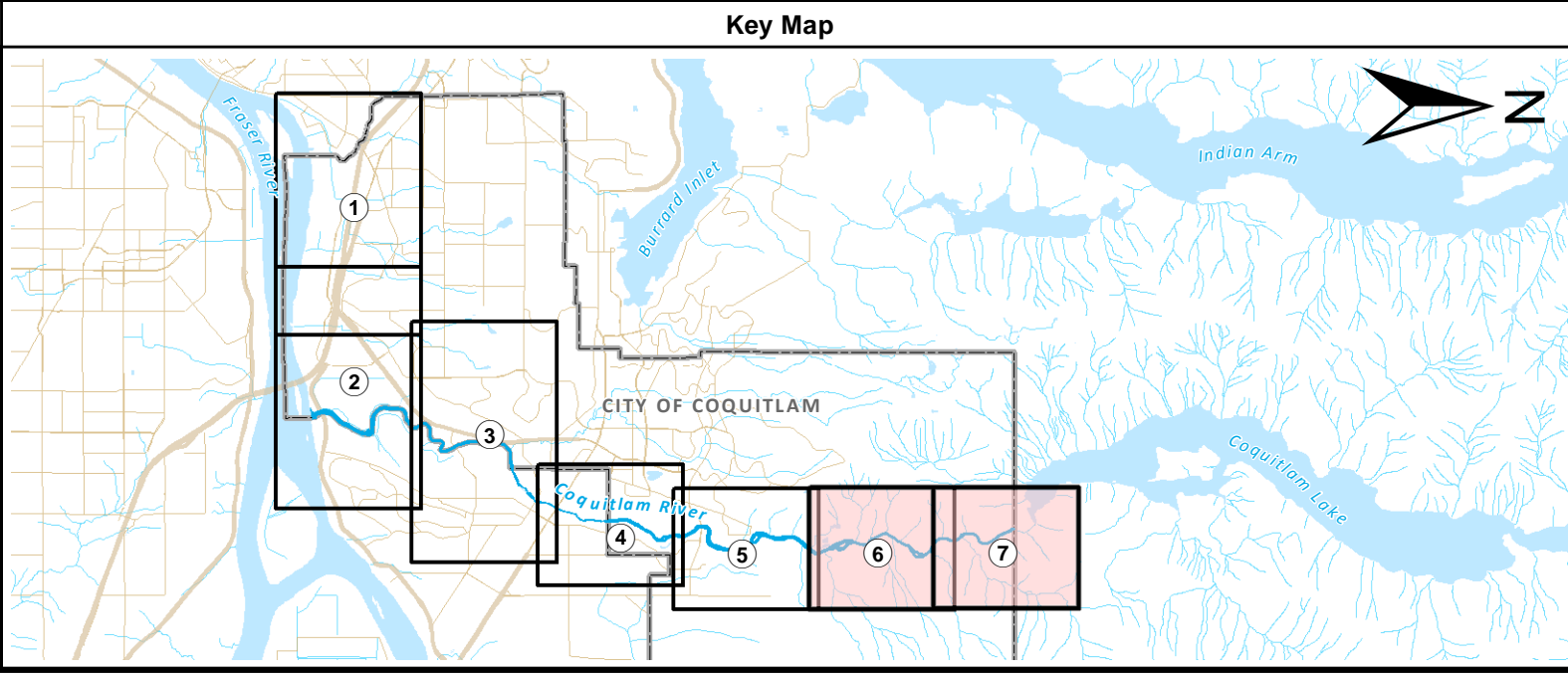
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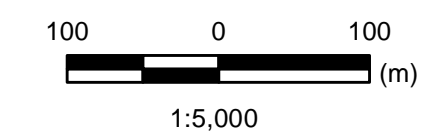
SHEET 7

Notes
Fraser River design flood is approximately 500-year return period.
Coquitlam River design flood is 200-year return period.

- Legend**
- Municipal Boundary
 - Dike
 - Design Flood Level Flood Extent without Freeboard (Year 2200-No Climate Change)
 - with Freeboard
 - Flood Contour for Year 2014 Climate Change Scenario (with and without Freeboard)
 - without Freeboard

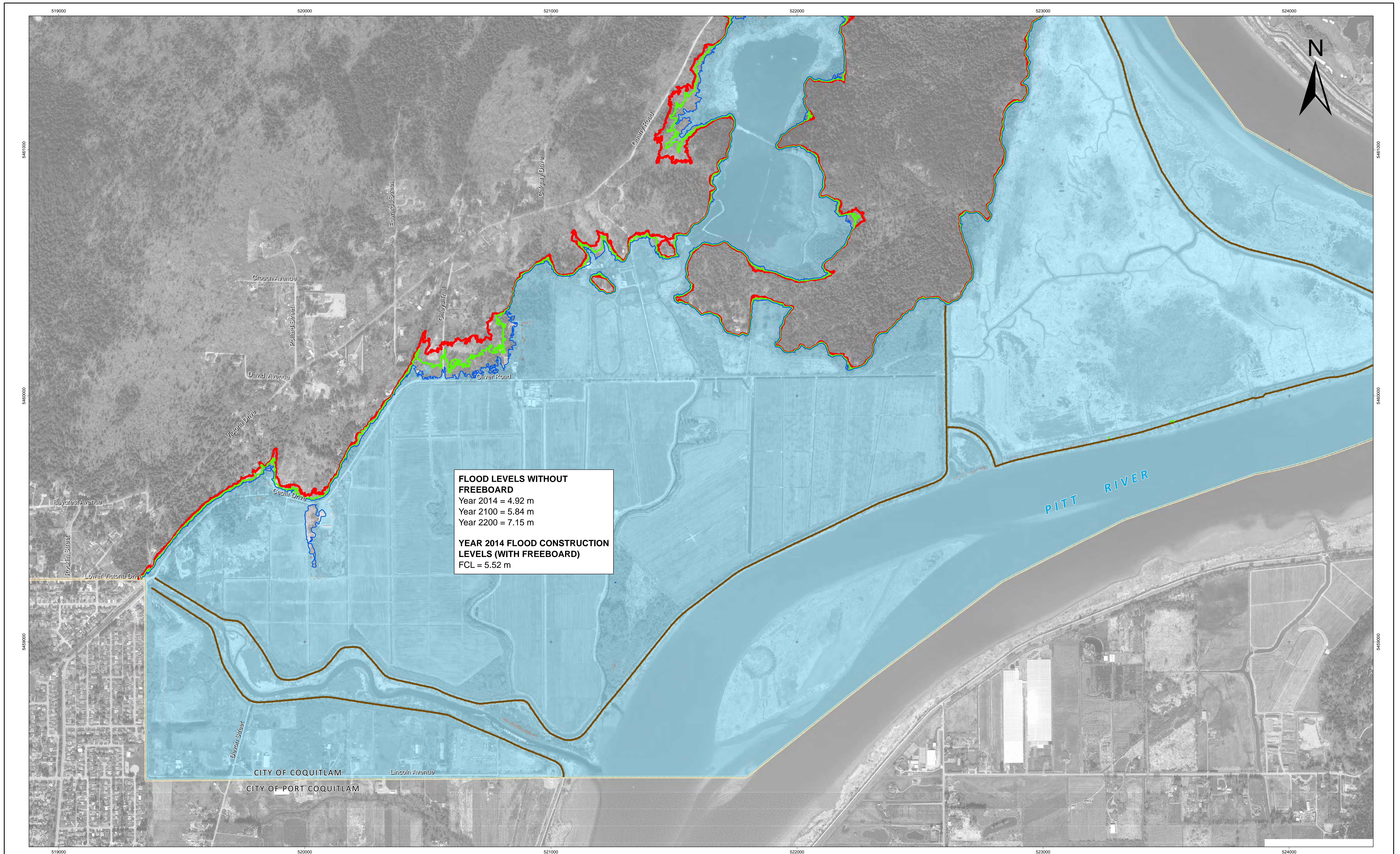


**City of Coquitlam
Coquitlam and Fraser Rivers
Floodplain Mapping
Year 2200**



Date	August 2017	Project No.	456-092	Checked
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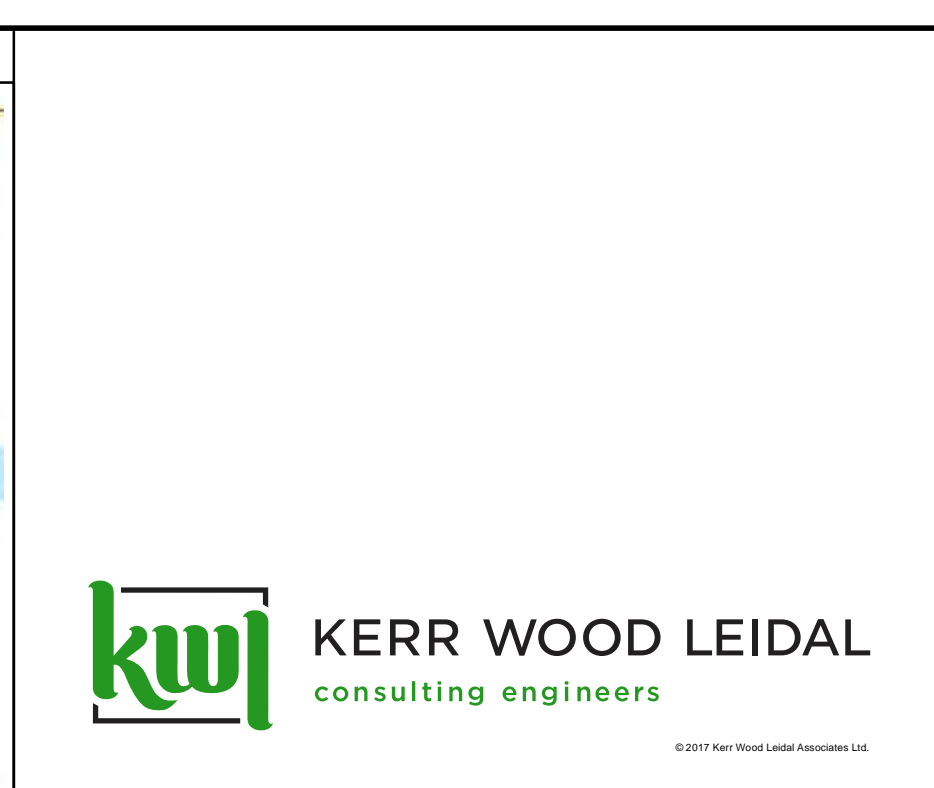
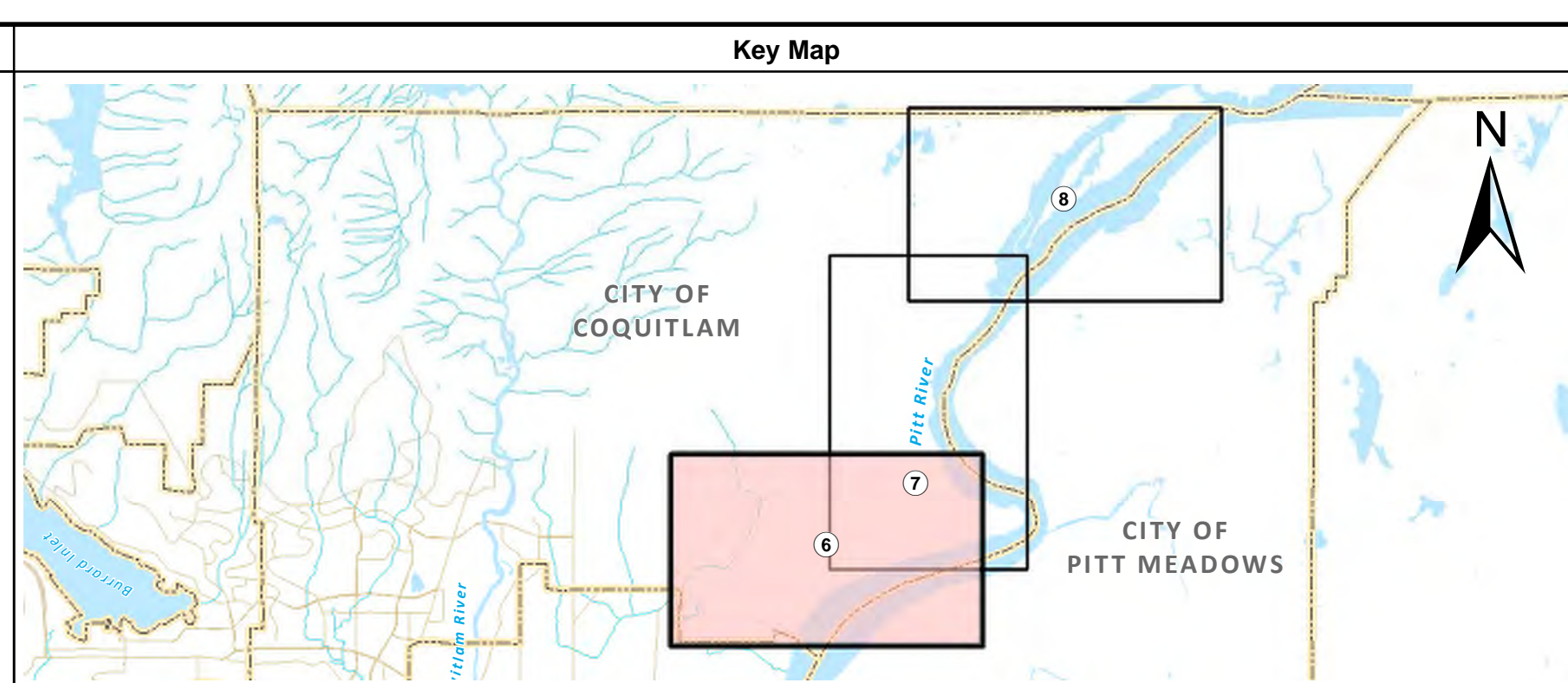


FLOOD LEVELS WITHOUT FREEBOARD
 Year 2014 = 4.92 m
 Year 2100 = 5.84 m
 Year 2200 = 7.15 m

YEAR 2014 FLOOD CONSTRUCTION LEVELS (WITH FREEBOARD)
 FCL = 5.52 m

Notes
 Pitt River design flood is based on the Fraser River freshet peak water levels (approximately 500-year return period).

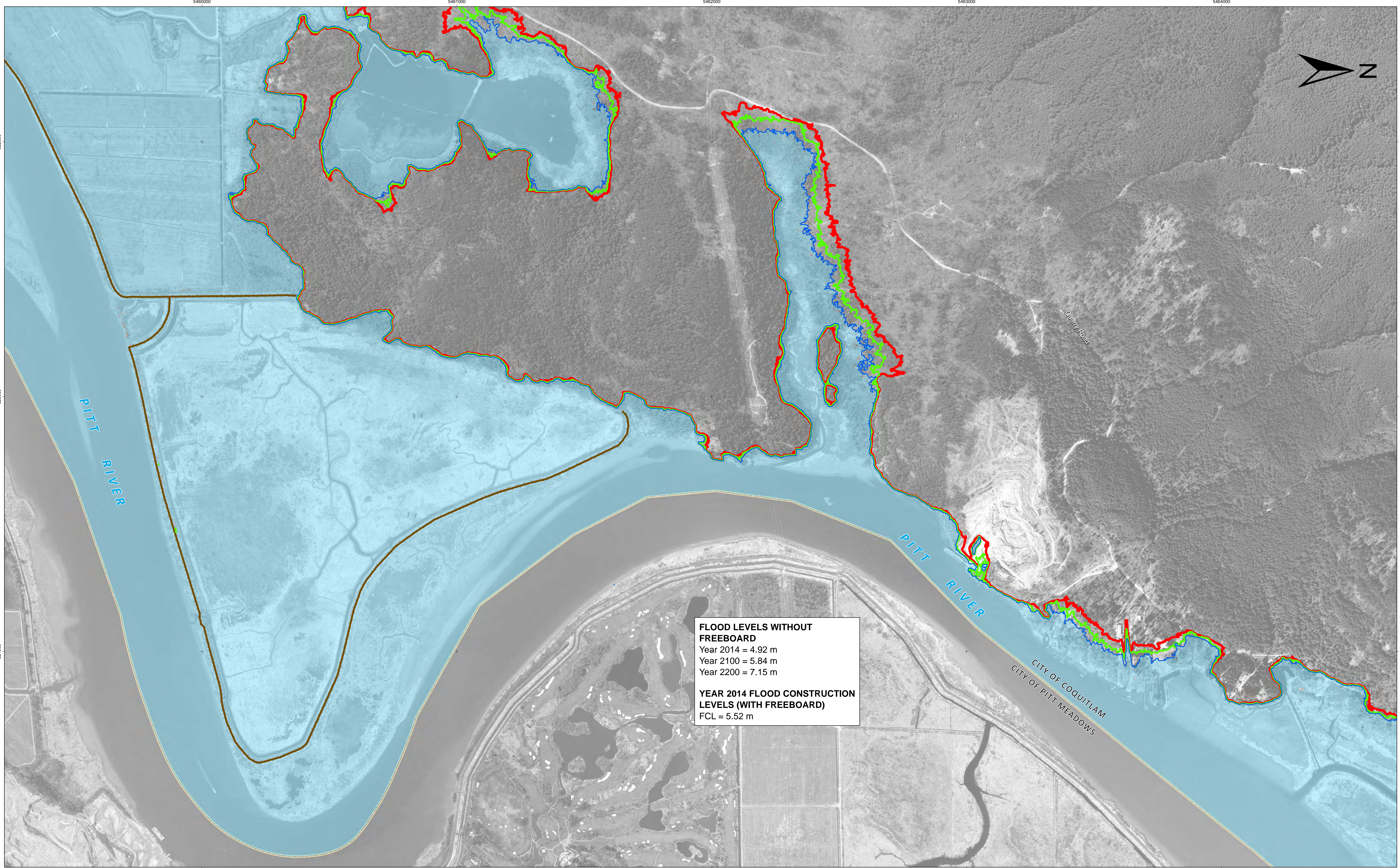
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- Municipal Boundary
 - Dike
 - Design Flood Level Flood Extent without Freeboard (Year 2014-No Climate Change)
 - Flood Extent without Freeboard (Year 2100 Climate Change)
 - Flood Extent without Freeboard (Year 2200 Climate Change)



**City of Coquitlam
 Pitt River
 Floodplain Mapping**

	Date	August 2017	Project No.	456-092	Checked	
	Sheet No.	6 of 8	Drawn	JL	Approved	

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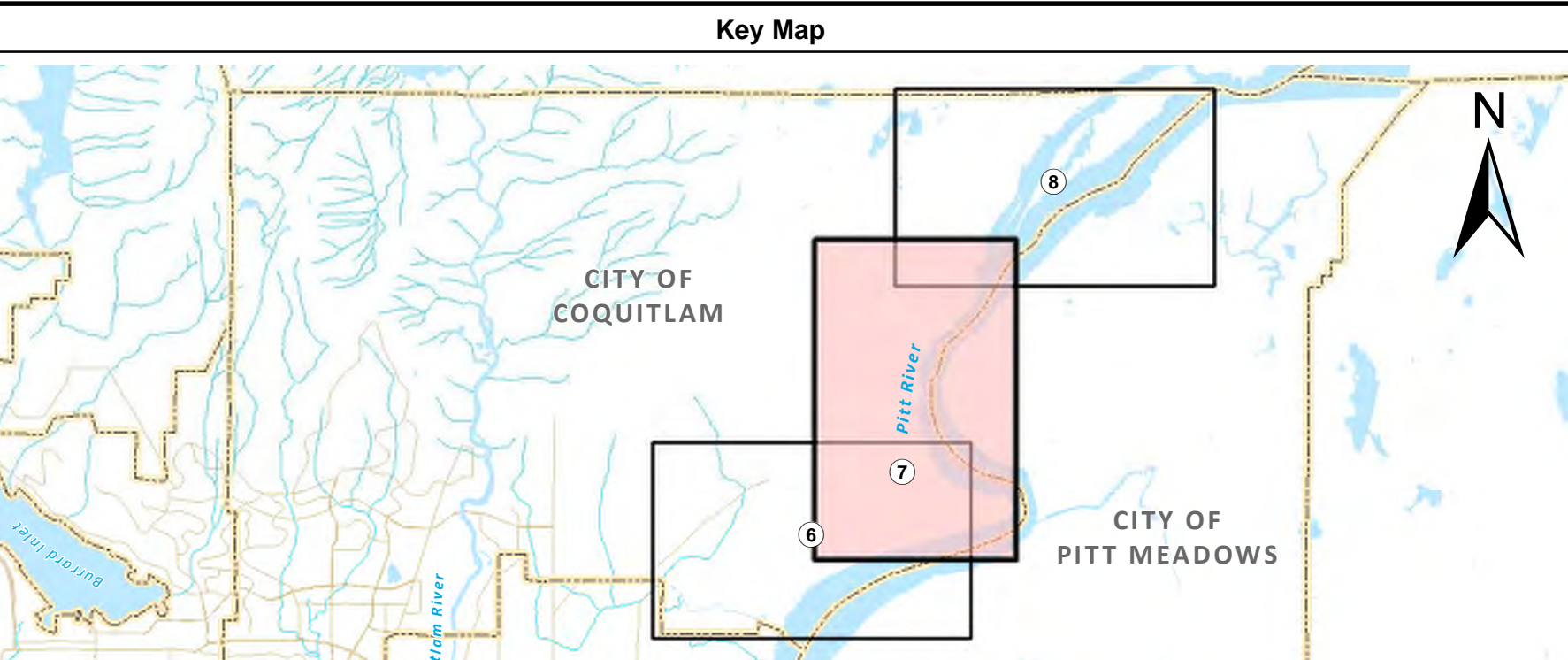


FLOOD LEVELS WITHOUT FREEBOARD
 Year 2014 = 4.92 m
 Year 2100 = 5.84 m
 Year 2200 = 7.15 m

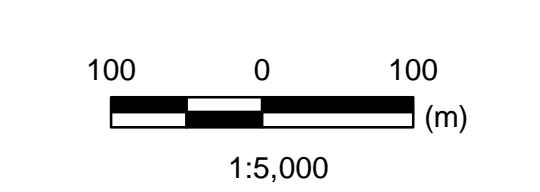
YEAR 2014 FLOOD CONSTRUCTION LEVELS (WITH FREEBOARD)
 FCL = 5.52 m

Notes
 Pitt River design flood is based on the Fraser River freshet peak water levels (approximately 500-year return period).

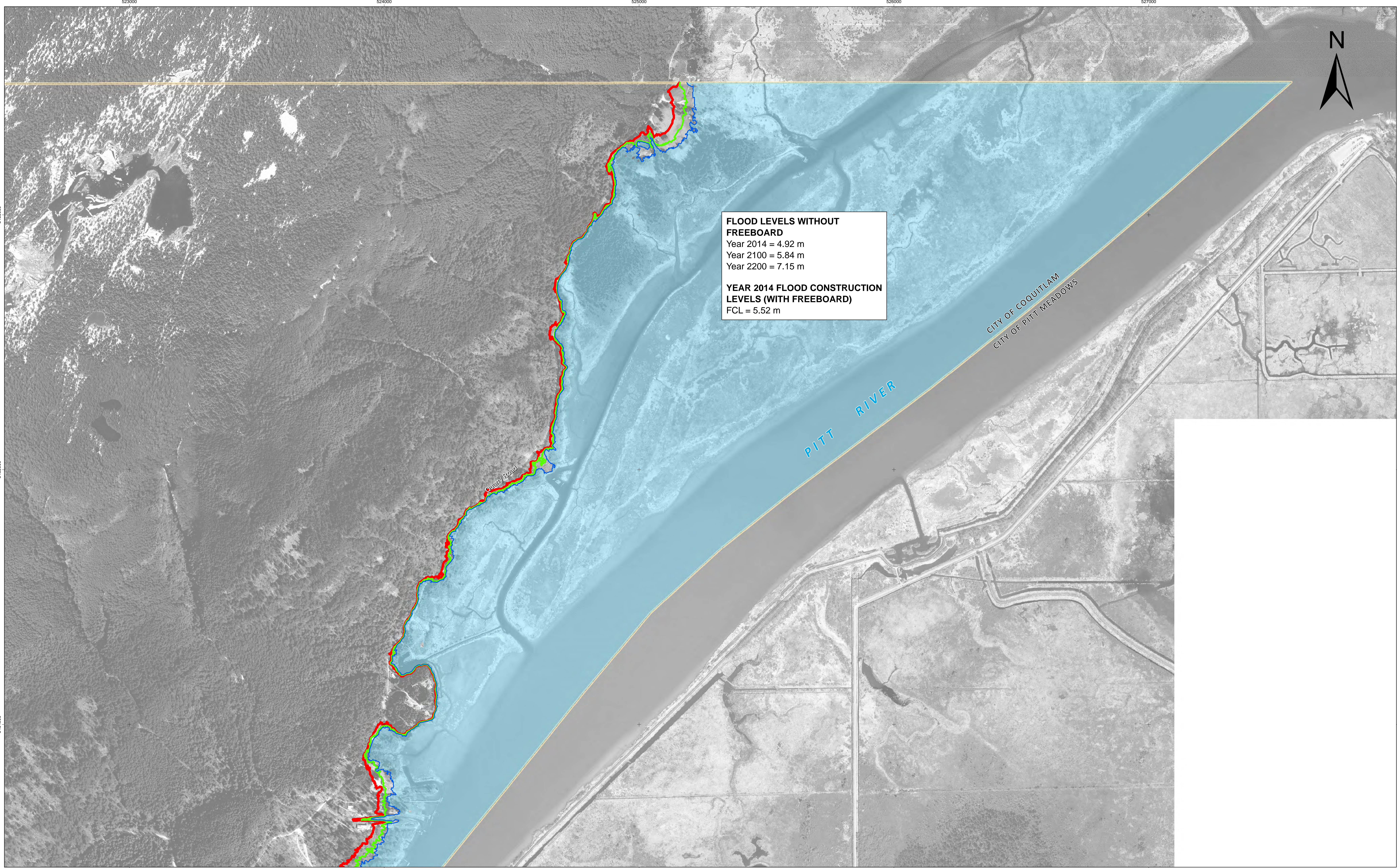
- Legend**
- Municipal Boundary
 - Dike
 - Design Flood Level Flood Extent without Freeboard (Year 2014-No Climate Change)
 - Flood Extent without Freeboard (Year 2100 Climate Change)
 - Flood Extent without Freeboard (Year 2200 Climate Change)



**City of Coquitlam
 Pitt River
 Floodplain Mapping**

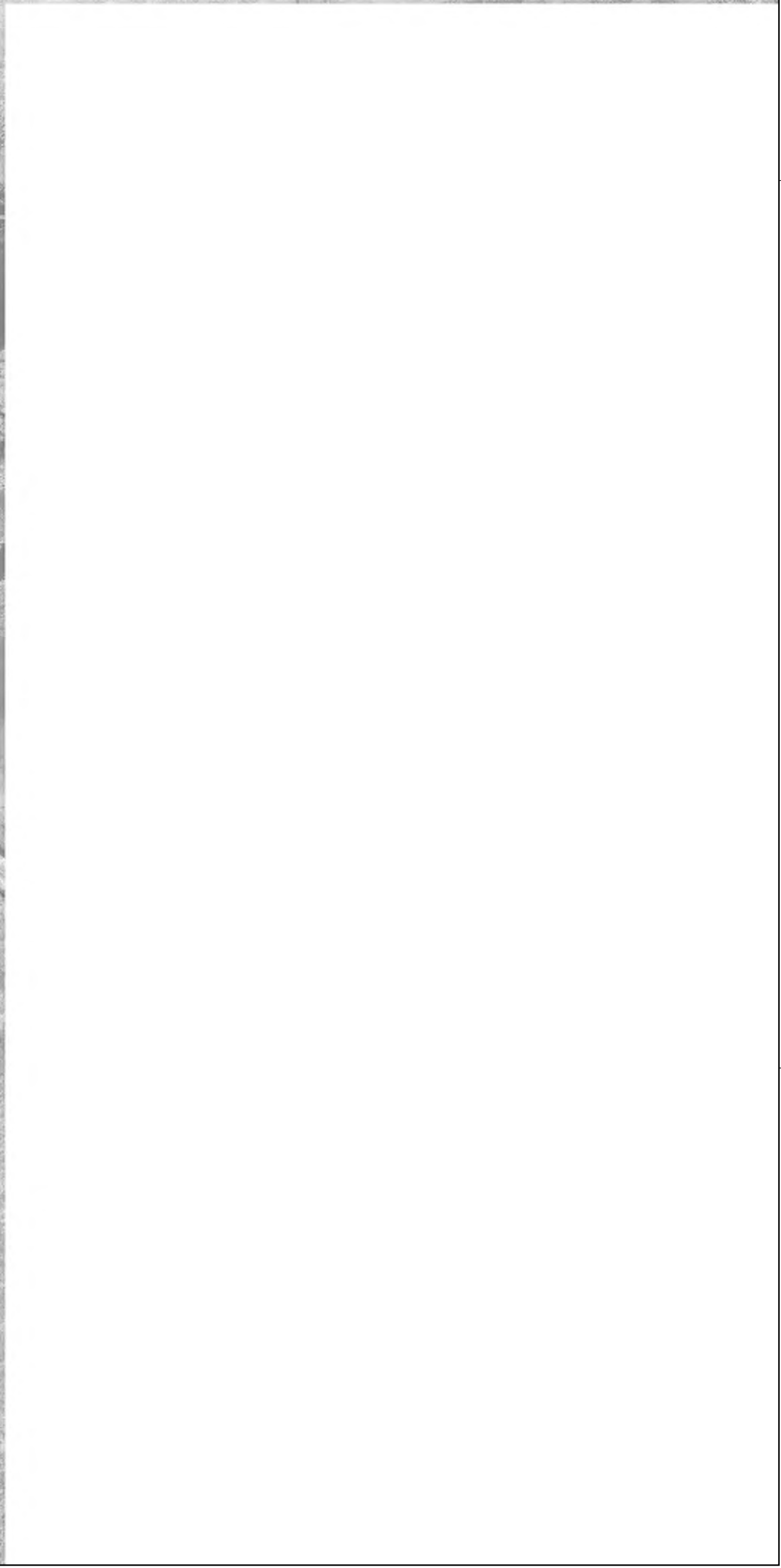
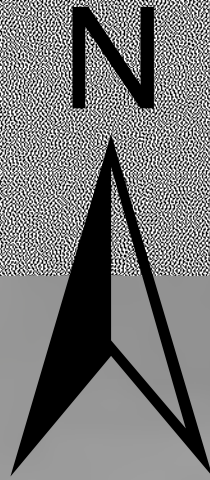


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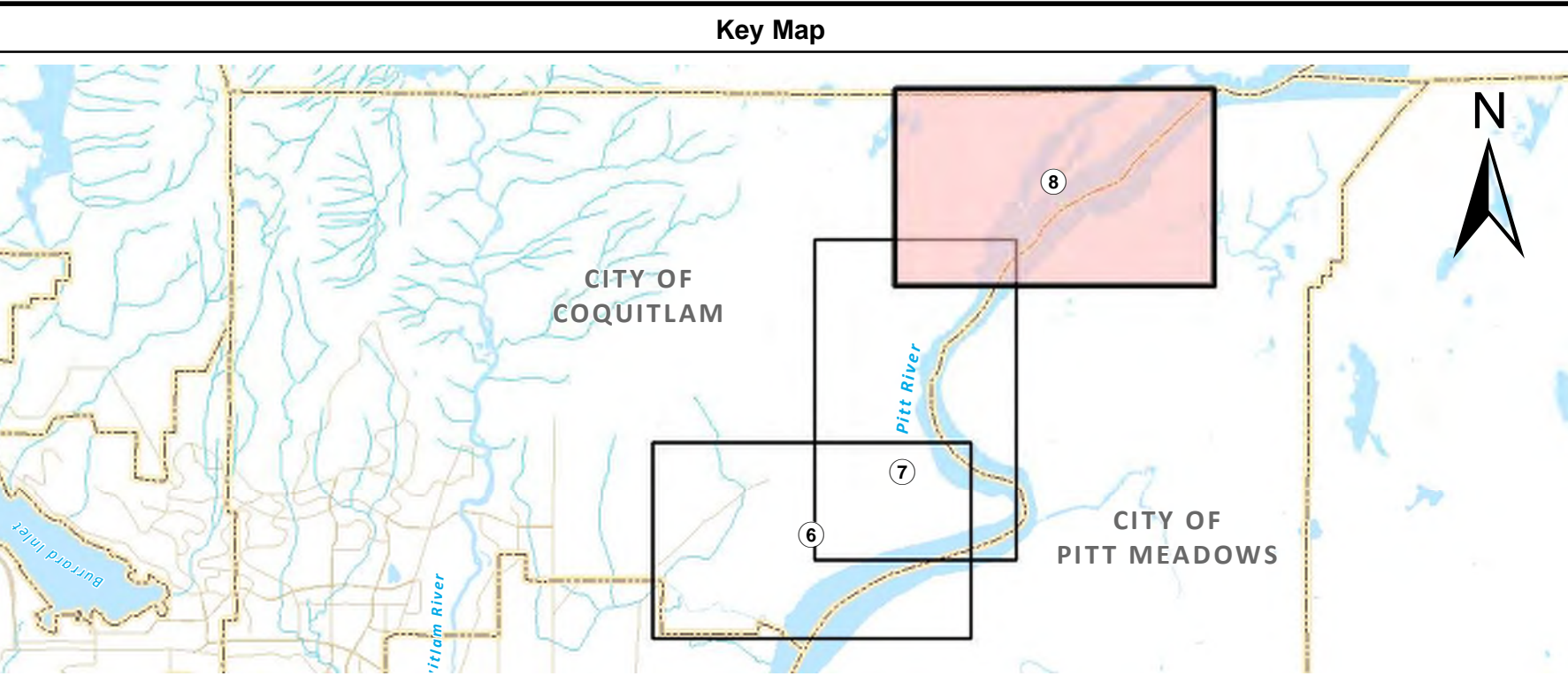
FLOOD LEVELS WITHOUT FREEBOARD
 Year 2014 = 4.92 m
 Year 2100 = 5.84 m
 Year 2200 = 7.15 m

YEAR 2014 FLOOD CONSTRUCTION LEVELS (WITH FREEBOARD)
 FCL = 5.52 m

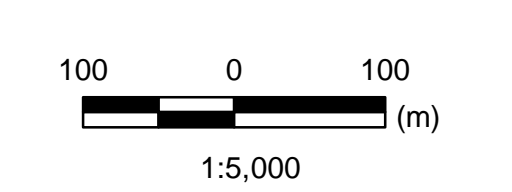


Notes
 Pitt River design flood is based on the Fraser River freshet peak water levels (approximately 500-year return period).

- Legend**
- Municipal Boundary
 - Dike
 - Design Flood Level Flood Extent without Freeboard (Year 2014-No Climate Change)
 - Flood Extent without Freeboard (Year 2100 Climate Change)
 - Flood Extent without Freeboard (Year 2200 Climate Change)



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**City of Coquitlam
 Pitt River
 Floodplain Mapping**

Date August 2017	Project No. 456-092	Checked Approved
Sheet No. 8 of 8	Drawn JL	



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Appendix B

Design Flood Levels

Appendix B. Design Flood Levels

River	Chainage (m)	Design Flood Level (m GSC incl. freeboard)		
		Year 2014	Year 2100	Year 2200
Coquitlam River	Coquitlam Lake Dam			
	1+000	132.73	132.88	133.01
	1+290	130.37	130.56	130.74
	1+420	129.19	129.39	129.58
	1+638	127.22	127.40	127.56
	1+780	125.36	125.51	125.65
	2+256	117.85	118.01	118.17
	2+731	110.35	110.52	110.69
	3+105	105.12	105.27	105.43
	3+439	100.45	100.58	100.72
	3+773	95.12	95.25	95.38
	4+108	89.80	89.92	90.04
	4+442	84.48	84.59	84.70
	4+784	80.88	80.99	81.10
	5+127	77.28	77.39	77.49
	5+469	73.68	73.79	73.89
	5+762	70.73	70.84	70.94
	6+054	67.77	67.89	68.00
	6+347	64.81	64.94	65.05
	6+698	61.18	61.30	61.41
	7+049	57.55	57.66	57.77
	7+380 (Galette Avenue Alignment)	53.68	53.79	53.89
	7+415	53.27	53.38	53.48
	7+733	49.05	49.19	49.33
	7+969	46.47	46.58	46.68
	8+137	44.74	44.84	44.93
	8+362	42.86	42.98	43.09
	8+515	40.48	40.59	40.69
	8+723	37.71	37.84	37.96
	8+790 (David Avenue Bridge)	36.90	37.03	37.15
	8+806	36.71	36.83	36.96
	9+040	34.30	34.45	34.59
	9+316	31.10	31.22	31.34
	9+606	27.99	28.13	28.27
	9+759	26.78	26.92	27.06
	9+890 (Salt Spring Avenue Alignment)	25.59	25.76	25.92
10+102	23.67	23.88	24.07	
10+311	22.04	22.22	22.38	
10+520	20.40	20.55	20.70	
10+858 (Port Coquitlam Boundary)	16.80	16.94	17.08	

Appendix B. Design Flood Levels

River	Chainage (m)	Design Flood Level (m GSC incl. freeboard)		
		Year 2014	Year 2100	Year 2200
Coquitlam River - Port Coquitlam Section	10+858 (Port Coquitlam Boundary)	16.80	16.94	17.08
	11+049	14.76	14.90	15.03
	11+443	12.31	12.47	12.63
	11+721	11.05	11.23	11.40
	11+944	10.24	10.41	10.57
	11+949 (Lougheed Hwy Westbound)	10.21	10.39	10.54
	11+954	10.19	10.36	10.51
	11+967	10.14	10.31	10.47
	11+973 (Lougheed Hwy Eastbound)	10.12	10.29	10.44
	11+980	10.10	10.26	10.42
	12+107	9.73	9.91	10.06
	12+214	9.51	9.68	9.84
	12+372	8.90	9.07	9.23
	12+386 (Railway Bridge North)	8.82	8.99	9.15
	12+390	8.80	8.97	9.12
	12+397 (Railway Bridge South)	8.78	8.96	9.11
	12+402	8.77	8.95	9.10
	12+414	8.71	8.88	9.04
	12+419 (Kingsway Bridge)	8.68	8.85	9.01
	12+424	8.64	8.82	8.98
	12+517	8.51	8.70	8.87
	12+634 (McAllister Ped. Bridge)	8.41	8.60	8.78
	12+684	8.37	8.56	8.74
	12+958	8.08	8.28	8.46
	13+210	7.77	7.95	8.14
	13+310 (Port Coquitlam Boundary)	7.59	7.77	8.01

Appendix B. Design Flood Levels

River	Chainage (m)	Design Flood Level (m GSC incl. freeboard)		
		Year 2014	Year 2100	Year 2200
Coquitlam River	13+310 (Port Coquitlam Boundary)	7.59	7.77	8.01
	13+431 (Maple Creek Mouth)	7.38	7.56	7.84
	13+468	7.32	7.49	7.79
	13+643 (Scott Creek Mouth)	6.90	7.06	7.79
	13+729	6.72	6.89	7.79
	13+967	6.39	6.58	7.79
	14+190	6.13	6.43	7.78
	14+550	5.77	6.43	7.78
	14+808	5.56	6.43	7.78
	14+818 (Pitt River Road Bridge)	5.56	6.43	7.78
	14+830	5.56	6.43	7.78
	14+840	5.49	6.41	7.78
	15+074	5.34	6.41	7.78
	16+139	5.34	6.41	7.78
	16+411	5.34	6.41	7.77
	16+733	5.33	6.41	7.77
	17+430	5.33	6.41	7.76
	18+022	5.33	6.41	7.75
	18+378	5.33	6.41	7.75
	18+784	5.33	6.40	7.74
18+794 (Mary Hill Bypass Bridge)	5.29	6.40	7.73	
18+806	5.25	6.40	7.73	
18+974 (Fraser River)	5.25	6.40	7.73	
Fraser River	42+617 (Coquitlam River)	5.25	6.40	7.73
	42+407	5.21	6.39	7.72
	42+300 (Port Mann Bridge)	5.20	6.36	7.69
	41+882	5.16	6.25	7.55
	41+502	5.12	6.17	7.47
	41+158	5.08	6.12	7.42
	40+766	5.03	6.08	7.36
	40+332	4.99	6.11	7.41
	39+926	4.95	6.12	7.42
	39+490	4.91	5.93	7.24
	39+470 (Como Creek Mouth)	4.91	5.93	7.24
	39+151	4.86	5.98	7.28
	38+759	4.82	5.90	7.19
	38+430 (Nelson Creek Mouth)	4.79	5.92	7.20
	38+352	4.78	5.92	7.20
	37+939	4.73	5.87	7.15
	37+528	4.69	5.84	7.13
	New Westminster Boundary			
Pitt River	Pitt Lake			
	All chainages	5.52	6.44	7.75
	Fraser River			