

# REGION WIDE CATCHMENTS MODELS LISTING

Consultant	Catchment Number	Catchment / River Name	UPDATED CATCHMENT NUMBER	UPDATED CATCHMENT NAME (where applicable)	CONFIDENCE LEVEL (1-5)	NOTES and EXPLANATIONS																																				
<b>PRIORITY RIVERS</b>  URS & MWH URS & MWH URS & MWH URS & MWH Ewaters URS & MWH DHI and Riley GHD and Aurecon DHI Barnett & Macmurray (B&M) URS & MWH URS & MWH	1	Whangarei (Waiarohia - Raumanga Rivers) <sup>4</sup>	1	Whangarei (Waiarohia - Raumanga Rivers)	4	<b>Catchments / Model – Confidence Level Criteria:</b> a) Calibrated (flood levels) / Validated b) LIDAR data / contours c) 1D/2D Model d) 1D or 2D Model (surveyed cross sections and structures) e) Site Specific / General Flood Susceptible (RRFM, Priority Rivers and subsequent site more specific) <i>Confidence Level will be from 1 to 5; with 5 being the highest confidence.</i> <i>The confidence level is based on its flood extend output 'accuracy' at this moment in time.</i>  <b>Replaced: all models that fall in the confidence level category of 2 or below</b> <table border="1"> <thead> <tr> <th>Priority Catchment No.</th> <th>Catchment Name</th> <th>Replace with</th> </tr> </thead> <tbody> <tr><td>3</td><td>Otaika</td><td>Regionwide model</td></tr> <tr><td>8</td><td>Wairau</td><td>Regionwide model</td></tr> <tr><td>9</td><td>Pupuke</td><td>Regionwide model</td></tr> <tr><td>11</td><td>Whangaroa Streams</td><td>Regionwide model</td></tr> <tr><td>14</td><td>Whangarei Heads</td><td>Regionwide model</td></tr> <tr><td>15</td><td>Taupo Bay</td><td>Regionwide model</td></tr> <tr><td>16</td><td>Helena Bay</td><td>Regionwide model</td></tr> <tr><td>17</td><td>Ngunguru</td><td>Regionwide model</td></tr> <tr><td>19</td><td>Tauranga</td><td>Regionwide model</td></tr> <tr><td>21</td><td>Waima &amp; Punakitere</td><td>Regionwide model</td></tr> <tr><td>22</td><td>Waimamaku</td><td>Regionwide model</td></tr> </tbody> </table>	Priority Catchment No.	Catchment Name	Replace with	3	Otaika	Regionwide model	8	Wairau	Regionwide model	9	Pupuke	Regionwide model	11	Whangaroa Streams	Regionwide model	14	Whangarei Heads	Regionwide model	15	Taupo Bay	Regionwide model	16	Helena Bay	Regionwide model	17	Ngunguru	Regionwide model	19	Tauranga	Regionwide model	21	Waima & Punakitere	Regionwide model	22	Waimamaku	Regionwide model
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	21	Waima & Punakitere	Regionwide model																																							
	22	Waimamaku	Regionwide model																																							
	2	Ruakaka Rivers	2	Ruakaka Rivers	3																																					
	3	Otaika River <sup>1</sup>	3	Otaika River	2																																					
	4	Waitangi River	4	Waitangi River	3																																					
	5	Hatea River <sup>4</sup>	5	Hatea River (part of Whangarei Catchment)	4																																					
	6	Kawakawa River <sup>4</sup>	6	Kawakawa River	3.5																																					
	7	Waihou River (Rahiri-Rangiahua)	7	Waihou River (Rahiri-Rangiahua)	2.5																																					
	8	Wairau River (Maungaturoto) <sup>1</sup>	8	Wairau River (Maungaturoto)	2																																					
	9	Pupuke River <sup>1</sup>	9	Pupuke River	2																																					
	10	Rotokakahi River & Pawarenga Stream	10	Rotokakahi River & Pawarenga Stream	2.5																																					
	11	Whangaroa Streams (Totara North, Te Ngaere, Wainui & Mahnepua Streams) <sup>1</sup>	11	Whangaroa Streams (Totara North, Te Ngaere, Wainui & Mahnepua Streams)	2																																					
	12	Punguru Rivers (Punguru & Lower Waihou) <sup>4</sup>	12	Punguru Rivers (Punguru & Lower Waihou)	4																																					
	13	Awapokonui River (Pakanae)	13	Awapokonui River (Pakanae)	2.5																																					
	14	Whangarei Heads Streams <sup>1</sup>	14	Whangarei Heads Streams	1																																					
	15	Taupo Bay River <sup>1</sup>	15	Taupo Bay River	1																																					
	16	Helena Bay River <sup>1</sup>	16	Helena Bay River	1																																					
17	Ngunguru River <sup>1</sup>	17	Ngunguru River	2																																						
18	Whirinaki River	18	Whirinaki River	2.5																																						
19	Tauranga River <sup>1</sup>	19	Tauranga River	2																																						
20	Matangirau River <sup>4</sup>	20	Matangirau River	4																																						
21	Waima & Punakitere Rivers <sup>1</sup>	21	Waima & Punakitere Rivers	2																																						
22	Waimamaku River <sup>1</sup>	22	Waimamaku River	1.5																																						
23	Awanui River <sup>4</sup>	23	Awanui River	4																																						
24	Kaeo River <sup>4</sup>	24	Kaeo River	4																																						
25	Kerikeri & Waipapa Rivers <sup>4</sup>	25	Kerikeri & Waipapa Rivers	3.5																																						
26	Awakino and Kaihu River <sup>2,4</sup>	26	Awakino and Kaihu River	3.5																																						
27	Waipu River <sup>3,4</sup>	27	Waipu River	4																																						
28	Paparaoa <sup>3,4</sup>	28	Paparaoa Stream	4																																						
<b>REGION WIDE RIVERS</b>  Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology Water Technology	M01	Marsden Point; Hatea; Waiarohia; Raumanga; Otaika <sup>4</sup>	29	Marsden Point	3.5																																					
	M02	Oakura <sup>4</sup>	30	Oakura	3.5																																					
	M03	Waimamaku <sup>4</sup>	31	Waipoua	3.5																																					
	M04	Whangapae - Ahipara <sup>4</sup>	32	Whangapae - Ahipara	3.5																																					
	M05	Whangarei - Tutukaka & Horahora <sup>4</sup>	33	Whangarei - Tutukaka	3.5																																					
	M06	East Whangaroa; Kaeo <sup>4</sup>	34	Kaeo	3.5																																					
	M07	Bay of Islands Coast <sup>4</sup>	35	Bay of Islands Coast	3.5																																					
	M08	Hakaru <sup>4</sup>	36	Paparaoa	3.5																																					
	M09	Oruru <sup>4</sup>	37	Oruru Karikari - Peninsula	3.5																																					
	M10	Pouto Peninsula <sup>4</sup>	38	Pouto Peninsula	3.5																																					
	M11	Aupouri Peninsula <sup>4</sup>	39	Aupouri Peninsula	3.5																																					
	M12	Omapere <sup>4</sup>	40	North Hokianga	3.5																																					
	M13	Hikurangi; Lower Managakahia <sup>4</sup>	41	Lower Mangakahia	3.5																																					
	M14	Lower Purua; Lower Wairua Bridge; Mangahuru; Mangere; Waipao; Waiotu; Whakapara <sup>4</sup>	42	Lower Wairua Bridge	3.5																																					
	M15	Kawakawa <sup>4</sup>	43	Kawakawa	3.5																																					
	M16	Manganui <sup>4</sup>	44	Manganui	3.5																																					
	M17	Ahuroa; North; Ruakaka; Waihoihoi <sup>4</sup>	45	Ahuroa	3.5																																					
	M18	Northern Wairoa <sup>4</sup>	46	Northern Wairoa	3.5																																					
<b>NOTES</b>		1 Models and flood maps to be replaced by the Regionwide Flood Maps; original models will be kept for reference and data purposes 2 These models and flood maps will prevail the Regionwide Flood Maps; the latter one will apply for the remainder of the catchment where not covered under the Priority Rivers 3 Additional models and flood maps since the release of the original Priority Rivers - 2016 (see map on the right) 4 All models that fall in the confidence level category of 3.5 or above																																								

