

## Schedule B: Surface Water Quantity

Zone code	Sub-zone	Sub-zone code	Minimum flow (m <sup>3</sup> /s)	Flow monitoring site	Flow monitoring site map reference	Cumulative core allocation limit (m <sup>3</sup> /s)
Mana 1	Upper Manawatu	Mana 1a	1.600	Manawatu at Weber Rd	U23: 751 027	0.204
	Mangatewainui	Mana 1b	1.600	Manawatu at Weber Rd	U23: 751 027	0.063
	Mangatoro	Mana 1c	0.702	Mangatoro at Mangahei Rd	U23: 813 019	0.204
<b>Whole zone (Mana 1)</b>						<b>0.204</b>
Mana 2	Weber-Tamaki	Mana 2a	1.600	Manawatu at Weber Rd	U23: 751 027	0.251
	Mangatera	Mana 2b	1.600	Manawatu at Weber Rd	U23: 751 027	0.047
<b>Cumulative allocable volume (Mana 1 + Mana 2)</b>						<b>0.251</b>
Mana 3	Upper Tamaki	Mana 3	0.238	Tamaki at Water Supply Weir	U23: 709 111	0.078
Mana 4	Upper Kumeti	Mana 4	0.055	Kumeti at Te Rehunga	T23: 663 052	0.005
Mana 5	Tamaki-Hopelands	Mana 5a	2.980	Manawatu at Hopelands	T24: 616 899	0.971
	Lower Tamaki	Mana 5b	0.360	Tamaki at Stephensons	U23: 707 022	0.138
	Lower Kumeti	Mana 5c	0.055	Kumeti at Te Rehunga	T23: 663 052	0.059
	Oruakeretaki	Mana 5d	0.293	Oruakeretaki at SH2 Napier	T23: 679 014	0.105
	Raparapawai	Mana 5e	0.074	Raparapawai at Jacksons Rd	T24: 645 938	0.024
<b>Cumulative allocable volume (Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5)</b>						<b>0.971</b>
Mana 6	Hopelands-Tiraumea	Mana 6	2.980	Manawatu at Hopelands	T24: 616 899	1.049
<b>Cumulative allocable volume (Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5 + Mana 6)</b>						<b>1.049</b>
Mana 7	Upper Tiraumea	Mana 7a	2.140	Tiraumea at Ngaturi	T24: 578 780	0.475
	Lower Tiraumea	Mana 7b	2.140	Tiraumea at Ngaturi	T24: 578 780	0.550
	Mangaone River	Mana 7c	MALF			MALF

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	Makuri	Mana 7d	2.160	Makuri at Tuscan Hills	T24: 583 717	0.108
<b>Whole zone (Mana 7)</b>						<b>0.550</b>
<b>Cumulative allocable volume (Mana 7 + Mana 8)</b>						<b>0.839</b>
Mana 8	Upper Mangatainoka	Mana 8a	0.400	Mangatainoka at Larsons Rd	T25: 308 596	0.060
	Middle Mangatainoka	Mana 8b	1.580	Mangatainoka at Pahiatua Town Bridge	T24: 501 802	0.105
	Lower Mangatainoka	Mana 8c	1.580	Mangatainoka at Pahiatua Town Bridge	T24: 501 802	0.289
	Makakahi	Mana 8d	0.345	Makakahi at Hamua	T25: 424 676	0.052
	Mangaramarama	Mana 8e	1.580	Mangatainoka at Pahiatua Town Bridge	T24: 501 802	0.009
<b>Whole zone (Mana 8)</b>						<b>0.289</b>
Mana 9	Upper Gorge	Mana 9a	10.530	Manawatu at Upper Gorge	T24: 494 933	2.340
	Mangapapa	Mana 9b	0.023	Mangapapa at Troup Road	T24: 520 922	0.010
	Mangaatua	Mana 9c	MALF			20% of MALF
	Upper Mangahao	Mana 9d	MALF			20% of MALF
	Lower Mangahao	Mana 9e	MALF			20% of MALF
<b>Cumulative allocable volume (Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5 + Mana 6 + Mana 7 + Mana 8 + Mana 9)</b>						<b>2.340</b>
Mana 10	Middle Manawatu	Mana 10a	14.160	Manawatu at Teachers College	T24: 331 892	3.150
	Upper Pohangina	Mana 10b	MALF	Pohangina at Mais Reach	T23: 467 053	20% of MALF
	Middle Pohangina	Mana 10c	1.960	Pohangina at Mais Reach	T23: 467 053	0.460
	Lower Pohangina	Mana 10d	1.960	Pohangina at Mais Reach	T23: 467 053	0.525
	Aokautere	Mana 10e	MALF			20% of MALF
<b>Cumulative allocable volume (Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5 + Mana 6 + Mana 7 + Mana 8 + Mana 9 + Mana 10)</b>						<b>3.150</b>
Mana 11	Lower Manawatu	Mana 11a	14.160	Manawatu at Teachers College	T24: 331 892	3.180

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	Turitea	Mana 11b	0.050	Turitea at Ngahere Park	T24: 354 852	0.264
	Kahuterawa	Mana 11c	MALF			20% of MALF
	Upper Mangaone Stream	Mana 11d	MALF			20% of MALF
	Lower Mangaone Stream	Mana 11e	MALF			20% of MALF
	Main Drain	Mana 11f	MALF			20% of MALF
<b>Cumulative allocable volume (Mana 1+ Mana 2+ Mana 3+ Mana 4 + Mana 5+ Mana 6+ Mana 7+ Mana 8 + Mana 9+ Mana 10+ Mana 11)</b>						<b>3.180</b>
Mana 12	Upper Oroua	Mana 12a	1.050	Oroua at Kawa Wool	S23: 287 038	0.405
	Middle Oroua	Mana 12b	1.050	Oroua at Kawa Wool	S23: 287 038	0.429
	Lower Oroua	Mana 12c	1.050	Oroua at Kawa Wool	S23: 287 038	0.530
	Kiwitea	Mana 12d	0.145	Kiwitea at Haynes Line	T23: 366 207	0.048
	Makino	Mana 12e	0.080	Makino at Boness Rd	S23: 254 023	0.025
<b>Cumulative allocable volume (Mana 12)</b>						<b>0.530</b>
<b>Cumulative allocable volume (Mana 1+ Mana 2+ Mana 3+ Mana 4 + Mana 5+ Mana 6+ Mana 7+ Mana 8 + Mana 9+ Mana 10+ Mana 11+ Mana 12)</b>						<b>3.710</b>
Mana 13	Coastal Manawatu	Mana 13a	12.588	Manawatu at Teachers College	T24: 331 892	5.300
	Upper Tokomaru	Mana 13b	0.220	Tokomaru at Horseshoe Bend	S24: 241 768	0.050
	Lower Tokomaru	Mana 13c	MALF			20% of MALF
	Mangaore	Mana 13d	MALF			20% of MALF
	Koputaroa	Mana 13e	MALF			20% of MALF
	Foxton Loop	Mana 13f	MALF			20% of MALF

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<b>Cumulative allocable volume (Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5 + Mana 6 + Mana 7 + Mana 8 + Mana 9 + Mana 10 + Mana 11 + Mana 12 + Mana 13)</b>						<b>5.300</b>
Rang 1	Upper Rangitikei	Rang 1				0.000
Rang 2	Middle Rangitikei	Rang 2a	5.250	Rangitikei at Pukeokahu	U21: 713 708	0.260
	Pukeohahu-Mangaweka	Rang 2b	12.790	Rangitikei at Mangaweka	T22: 504 513	0.670
	Upper Moawhango	Rang 2c				0.000
	Middle Moawhango	Rang 2d				0.000
	Lower Moawhango	Rang 2e	MALF	Moawhango at Moawhango	T21: 557 745	5% of MALF
	Upper Hautapu	Rang 2f	0.745	Hautapu at Alabasters	T21: 486 683	0.112
	Lower Hautapu	Rang 2g	0.670	Hautapu at Alabasters	T21: 486 683	0.150
<b>Cumulative allocable volume (Rang 1 + Rang 2)</b>						<b>0.670</b>
Rang 3	Lower Rangitikei	Rang 3a	14.550	Rangitikei at Onepuhi	S23: 201 222	1.510
	Makohine	Rang 3b	0.036	Makohine at Viaduct	T22: 395 450	0.008
<b>Cumulative allocable volume (Rang 1 + Rang 2 + Rang 3)</b>						<b>1.510</b>
Rang 4	Coastal Rangitikei	Rang 4a	10.230	Rangitikei at McKelvies	S24: 033 985	6.410
	Tidal Rangitikei	Rang 4b	10.230	Rangitikei at McKelvies	S24: 033 985	6.410
	Porewa	Rang 4c	MALF			20% of MALF
	Tutaenui	Rang 4d	MALF			20% of MALF
<b>Cumulative allocable volume (Rang 1 + Rang 2 + Rang 3 + Rang 4)</b>						<b>6.410</b>
Whai 1	Upper Whanganui	Whai 1	MALF			20% of MALF
<b>Cumulative allocable volume (Whai 1)</b>						<b>20% of MALF of Whai 1</b>
Whai 2	Cherry Grove	Whai 2a	MALF			20% of MALF

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	Upper Whakapapa	Whai 2b	MALF			20% of MALF
	Lower Whakapapa	Whai 2c	MALF			20% of MALF
	Piopioteo	Whai 2d	MALF			20% of MALF
	Pungapunga	Whai 2e	MALF			20% of MALF
	Upper Ongarue	Whai 2f	MALF			20% of MALF
	Lower Ongarue	Whai 2g	MALF			20% of MALF
<b>Cumulative allocable volume (Whai 1 + Whai 2)</b>						<b>20% of MALF of the point just downstream of the Ongarue-Whanganui confluence</b>
Whai 3	Te Maire	Whai 3	MALF			20% of MALF
<b>Cumulative allocable volume (Whai 1 + Whai 2 + Whai 3)</b>						<b>20% of MALF of Whai 3</b>
Whai 4	Middle Whanganui	Whai 4a	MALF			20% of MALF
	Upper Ohura	Whai 4b	MALF			20% of MALF
	Lower Ohura	Whai 4c	MALF			20% of MALF
	Retaruke	Whai 4d	MALF			20% of MALF
<b>Cumulative allocable volume (Whai 1 + Whai 2 + Whai 3 + Whai 4)</b>						<b>20% of MALF of the point just downstream of the Whanganui-Retaruke confluence</b>
Whai 5	Pipiriki	Whai 5a	MALF			20% of MALF
	Tangarakau	Whai 5b	MALF			20% of MALF
	Whangamomona	Whai 5c	MALF			20% of MALF
	Upper Manganui o te Ao	Whai 5d				0.000
	Lower Manganui o te Ao	Whai 5e				0.000
<b>Cumulative allocable volume (Whai 1 + Whai 2 + Whai 3 + Whai 4 + Whai 5)</b>						<b>20% of MALF of Whai 5a</b>
Whai 6	Paetawa	Whai 6	MALF			20% of MALF

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<b>Cumulative allocable volume (Whai 1 + Whai 2 + Whai 3 + Whai 4 + Whai 5 + Whai 6)</b>						<b>20% of MALF of Whai 6</b>
Whai 7	Lower Whanganui	Whai 7a	MALF			20% of MALF
	Coastal Whanganui	Whai 7b	MALF			20% of MALF
	Upokongaro	Whai 7c	MALF			20% of MALF
	Matarawa	Whai 7d	MALF			20% of MALF
<b>Cumulative allocable volume (Whai 1 + Whai 2 + Whai 3 + Whai 4 + Whai 5 + Whai 6 + Whai 7)</b>						<b>20% of MALF of Whai 7b</b>
Whau 1	Upper Whangaehu	Whau 1a	9.790	Whangaehu at Karioi	S21: 218 864	2.175
	Waitangi	Whau 1b	0.475	Waitangi at Tangiwai	T21: 316 886	0.105
	Tokiahuru	Whau 1c	4.340	Tokiahuru at Whangaehu Junction	S21: 217 870	0.960
<b>Cumulative allocable volume (Whau 1)</b>						<b>2.175</b>
Whau 2	Middle Whangaehu	Whau 2	MALF			20% of MALF
<b>Cumulative allocable volume (Whau 1 + Whau 2)</b>						<b>20% of MALF of Whau 2</b>
Whau 3	Lower Whangaehu	Whau 3a	13.240	Whangaehu at Kauangaroa	S22: 045 397	2.940
	Upper Makotuku	Whau 3b	0.100	Makotuku at SH49a Bridge	S20: 103 011	0.023
	Lower Makotuku	Whau 3c	MALF			20% of MALF
	Upper Mangawhero	Whau 3d	MALF			20% of MALF
	Lower Mangawhero	Whau 3e	2.520	Mangawhero at Ore Ore	S21: 045 794	0.560
<b>Cumulative allocable volume (Whau 1 + Whau 2 + Whau 3)</b>						<b>2.940</b>
Whau 4	Coastal Whangaehu	Whau 4	MALF			20% of MALF
<b>Cumulative allocable volume (Whau 1 + Whau 2 + Whau 3 + Whau 4)</b>						<b>20% of MALF of Whau 4</b>
Tura 1	Upper Turakina	Tura 1a	0.345	Turakina at Otairi Rd	S22: 236 471	0.075

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	Lower Turakina	Tura 1b	0.830	Turakina at O'Neills Bridge	S23: 006 287	0.185
	Ratana	Tura 1c	MALF			20% of MALF
<b>Cumulative allocable volume (Tura 1)</b>		<b>Upper and Lower Turakina</b>				<b>0.185</b>
Ohau 1	Upper Ohau	Ohau 1a	0.820	Ohau at Rongomatane	S25: 072 577	0.280
	Lower Ohau	Ohau 1b	0.820	Ohau at Rongomatane	S25: 072 577	0.280
<b>Cumulative allocable volume (Ohau 1)</b>						<b>0.280</b>
Owha 1	Owahanga	Owha 1	0.040	Owahanga at Branscombe Bridge	U25: 893 587	0.010
East 1	East Coast	East 1	MALF			20% of MALF
Akit 1	Upper Akitio	Akit 1a	MALF			20% of MALF
	Lower Akitio	Akit 1b	MALF			20% of MALF
	Waihi	Akit 1c	MALF			20% of MALF
<b>Cumulative allocable volume (Akit 1)</b>						<b>20% of MALF of Akit 1b</b>
West 1	Northern Coastal	West 1	MALF			20% of MALF
West 2	Kai Iwi	West 2	0.470	Kai Iwi at Handley Rd	R22: 726 455	0.105
West 3	Mowhanau	West 3	MALF			20% of MALF
West 4	Kaitoke lakes	West 4	MALF			20% of MALF
West 5	Southern Wanganui lakes	West 5	MALF			20% of MALF
West 6	Northern Manawatu lakes	West 6	MALF			20% of MALF
West 7	Waitarere	West 7	MALF			20% of MALF
West 8	Lake Papaitonga	West 8	MALF			20% of MALF
West 9	Waikawa	West 9	MALF			20% of MALF
Hoki 1	Lake Horowhenua	Hoki 1a	MALF			20% of MALF
	Hokio	Hoki 1b	MALF			20% of MALF

