

## RP – SCHED3 – Surface *water\** quantity

RP-SCHED3 only applies to *rivers\**.

### How to use the contents of this schedule:

**Step 1:** Identify which *Water Management Sub-area\** your proposed abstraction lies in (go to RP-SCHED1).

**Step 2:** Refer to Table 37 to identify which cumulative core allocation limits and minimum flows apply to your *Water Management Sub-area\**.

### Advice Note:

In accordance with RPS-LF-FW-P18(2), the taking of *water\** for hydroelectricity generation that was lawfully established as at 31 May 2007 falls outside the cumulative core allocation limits and minimum flows in this Schedule.

The cumulative core allocation in any *Water Management Sub-area\** is only available where:

1. the point of take is downstream of the locations described in Table 38 which identifies the location of infrastructure related to existing hydroelectricity generation schemes, or
2. the point of take is upstream of the locations described in the Table 38 and the quantity of *water\** to be taken is no more than was lawfully allocated to be taken upstream of those locations as at 31 May 2007.

Table 37 - Cumulative Core Allocation Limits and Minimum Flows by <i>Water Management Sub-area*</i>					
<i>Water Management Area*</i>	<i>Sub-area*</i>	Minimum flow (m <sup>3</sup> /s)	Flow monitoring site	Flow monitoring site location	Cumulative core allocation limit (m <sup>3</sup> /day)
Upper Manawatū (Mana_1)	Upper Manawatū (Mana_1a)	1.600	Manawatū at Weber Rd	U23:751-027	17,712
	Mangatewainui (Mana_1b)	1.600	Manawatū at Weber Rd	U23:751-027	5,616
	Mangatoro (Mana_1c)	0.700	Mangatoro at Mangahei Rd	U23:813-019	10,368
<b>Whole Area (Mana_1)</b>					<b>17,172</b>

<b>Table 37 - Cumulative Core Allocation Limits and Minimum Flows by Water Management Sub-area*</b>					
<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>
Weber-Tamaki (Mana_2)	Weber-Tamaki (Mana_2a)	1.600	Manawatū at Weber Rd	U23:751-027	21,600
	Mangatera (Mana_2b)	1.600	Manawatū at Weber Rd	U23:751-027	3,888
<b>Catchment cumulative allocable volume (Mana_1 + Mana_2)</b>					<b>21,600</b>
Upper Tamaki (Mana_3)	Upper Tamaki (Mana_3)	0.240	Tamaki at Water Supply Weir	U23:709-111	6,912
Upper Kūmeti (Mana_4)	Upper Kūmeti (Mana_4)	0.055	Kūmeti at Te Rehunga	T24:616-899	864
Tamaki-Hopelands (Mana_5)	Tamaki-Hopelands (Mana_5a)	2.980	Manawatū at Hopelands	T24:616-899	83,808
	Lower Tamaki (Mana_5b)	0.360	Tamaki at Stephensons	U23:707-022	12,096
	Cumulative allocable volume (Mana_3 + Mana_5b)				12,096
	Lower Kūmeti (Mana_5c)	2.980	Manawatū at Hopelands	T24:616-899	5,184
	Cumulative allocable volume (Mana_4 + Mana_5c)				5,184
	Ōruakeretaki (Mana_5d)	0.208	Ōruakeretaki at SH2 Napier	T23:679-014	13,651
	Raparapawai (Mana_5e)	0.035	Raparapawai at Jacksons Rd	T24:645-938	1,296
<b>Catchment cumulative allocable volume (Mana_1 + Mana_2 + Mana_3 + Mana_4 + Mana_5)</b>					<b>83,808</b>
Hopelands-Tīraumea (Mana_6)	Hopelands-Tīraumea (Mana_6)	2.980	Manawatū at Hopelands	T24:616-899	90,720
<b>Catchment cumulative allocable volume (Mana_1 + Mana_2 + Mana_3 + Mana_4 + Mana_5 + Mana_6)</b>					<b>90,720</b>
Tīraumea (Mana_7)	Upper Tīraumea (Mana_7a)	2.040	Tīraumea at Ngāturi	T24:578-780	3,456
	Lower Tīraumea (Mana_7b)	2.040	Tīraumea at Ngāturi	T24:578-780	23,328

<b>Table 37 - Cumulative Core Allocation Limits and Minimum Flows by Water Management Sub-area*</b>					
<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>
	Mangaone River (Mana_7c)	2.040	Tiraumea at Ngāturi	T24:578-780	1,728
	Mākuri (Mana_7d)	1.700	Mākuri at Tuscan Hills	T24:583-717	8,640
	Cumulative allocable volume (Mana_7a + Mana_7c + Mana_7d)				8,640
	Mangaramarama (Mana_7e)	2.040	Tiraumea at Ngāturi	T24:578-780	2,160
<b>Whole Area (Mana_7)</b>					<b>23,328</b>
Mangatainoka (Mana_8)	Upper Mangatainoka (Mana_8a)	0.370	Mangatainoka at Larsons Road	T25:308-596	1,728
	Middle Mangatainoka (Mana_8b)	1.305	Mangatainoka at Pahiatua Town Bridge	T24:501-802	5,184
	Lower Mangatainoka (Mana_8c)	1.305	Mangatainoka at Pahiatua Town Bridge	T24:501-802	27,913
	Mākākahi (Mana_8d)	0.320	Mākākahi at Hamua	T25:424-676	2,694
	Cumulative allocable volume (Mana_8a + Mana_8b + Mana_8d)				5,184
<b>Whole Area (Mana_8)</b>					<b>27,913</b>
<b>Catchment cumulative allocable volume Mangatainoka and Tiraumea (Mana_7 + Mana_8)</b>					<b>51,241</b>
Upper Gorge (Mana_9)	Upper Gorge (Mana_9a)	9.175	Manawatū at Upper Gorge	T24:494-933	198,288
	Mangapapa (Mana_9b)	0.035	Mangapapa at Troup Road	T24:520-922	1,296
	Mangaatua (Mana_9c)	0.070	Mangaatua at Hutchinsons	T24:581-932	432
	Upper Mangahao (Mana_9d)	1.415	Mangahao at Ballance	T24:468-818	7,344
	Lower Mangahao (Mana_9e)	1.415	Mangahao at Ballance	T24:468-818	7,344
	Cumulative allocable volume (Mana_9d + Mana_9e)				7,344

<b>Table 37 - Cumulative Core Allocation Limits and Minimum Flows by Water Management Sub-area*</b>					
<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>
<b>Whole Area (Mana_9)</b>					<b>198,288</b>
<b>Catchment cumulative allocable volume (Mana_1 + Mana_2 + Mana_3 + Mana_4 + Mana_5 + Mana_6 + Mana_7 + Mana_8 + Mana_9)</b>					<b>198,288</b>
Middle Manawatū (Mana_10)	Middle Manawatū (Mana_10a)	12.240	Manawatū at Teachers College	T24:331-892	264,384
	Upper Pohangina (Mana_10b)	1.960	Pohangina at Mais Reach	T23:467-053	9,936
	Middle Pohangina (Mana_10c)	1.960	Pohangina at Mais Reach	T23:467-053	39,312
	Cumulative allocable volume (Mana_10b + Mana_10c)				39,312
	Lower Pohangina (Mana_10d)	1.960	Pohangina at Mais Reach	T23:467-053	39,312
	Cumulative allocable volume (Mana_10b + Mana_10c + Mana_10d)				39,312
	Aokautere (Mana_10e)	12.240	Manawatū at Teachers College	T24:331-892	432
<b>Whole Area (Mana_10)</b>					<b>264,384</b>
<b>Catchment 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>264,384</b>
Lower Manawatū (Mana_11)	Lower Manawatū (Mana_11a)	12.240	Manawatū at Teachers College	T24:331-892	336,096
	Turitea (Mana_11b)	0.041	Turitea at Ngahere Park	T24:354-852	37,100
	Kahuterawa (Mana_11c)	0.180	Kahuterawa at Johnsons Rātā	T24:323-808	864
	Upper Mangaone Stream (Mana_11d)	0.035	Mangaone at Milson Line	T24:311-953	432
	Lower Mangaone Stream (Mana_11e)	0.035	Mangaone at Milson Line	T24:311-953	864
	Cumulative allocable volume (Mana_11d + Mana_11e)				1,296

<b>Table 37 - Cumulative Core Allocation Limits and Minimum Flows by Water Management Sub-area*</b>						
<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>	
	Main Drain (Mana_11f)	12.240	Manawatū at Teachers College		10% of MALF*	
<b>Whole Area (Mana_11)</b>					<b>336,096</b>	
<b>Catchment 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>336,096</b>	
Ōroua (Mana_12)	Upper Ōroua (Mana_12a)	1.005	Ōroua at Almadale	T23:365-113	34,128	
	Middle Ōroua (Mana_12b)	1.030	Ōroua at Kawa Wool	S23:287-038	34,992	
	Lower Ōroua (Mana_12c)	1.085	Ōroua at Awahuri Bridge	S23:243-002	37,152	
	Cumulative allocable volume (Mana_12a + Mana_12b + Mana_12c)					37,152
	Kiwitea (Mana_12d)	0.150	Kiwitea at Haynes Line	T23:366-207	1,296	
	Makino (Mana_12e)	0.075	Makino at Boness Road	S23:254-023	1,296	
<b>Whole Area (Mana_12)</b>					<b>37,152</b>	
<b>Catchment 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>373,248</b>	
Coastal Manawatū (Mana_13)	Coastal Manawatū (Mana_13a)	12.240	Manawatū at Teachers College	T24:331-892	598,752	
	Upper Tokomaru (Mana_13b)	0.240	Tokomaru at Riverland Farm	S24:218-772	1,296	
	Lower Tokomaru (Mana_13c)	0.240	Tokomaru at Riverland Farm	S24:218-772	14,688	
	Cumulative allocable volume (Mana_13b + Mana_13c)					14,688
	Mangaore (Mana_13d)	MALF*	Mangaore at d/s Mangahao Power Station	S25:173-670	10% of MALF*	
	Kōpūtaroa (Mana_13e)	12.240	Manawatū at Teachers College	T24:331-892	432	

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<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>
	Foxton Loop (Mana_13f)	MALF*			10% of MALF*
<b>Whole Area (Mana_13)</b>					<b>598,752</b>
<b>Catchment 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>598,752</b>
Upper Rangitikei (Rang_1)	Upper Rangitikei (Rang_1)	n/a			0
Middle Rangitikei (Rang_2)	Middle Rangitikei (Rang_2a)	5.000	Rangitikei at Pukeokahu	U21:713-708	21,600
	Pukeokahu-Mangaweka (Rang_2b)	12.250	Rangitikei at Mangaweka	T22:504-513	52,704
	Cumulative allocable volume (Rang_2a + Rang_2b)				52,704
	Upper Moawhango (Rang_2c)	n/a		T21:557-745	0
	Middle Moawhango (Rang_2d)	n/a		T21:557-745	0
	Lower Moawhango (Rang_2e)	n/a		T21:557-745	0
	Upper Hautapu (Rang_2f)	0.640	Hautapu at Alabasters	T21:486-683	9,936
	Lower Hautapu (Rang_2g)	0.640	Hautapu at Alabasters	T21:486-683	12,960
	Cumulative allocable volume (Rang_2f + Rang_2g)				12,960
<b>Whole Area (Rang_2)</b>					<b>52,704</b>
<b>Catchment cumulative allocable volume (Rang_1 + Rang_2)</b>					<b>52,704</b>
Lower Rangitikei (Rang_3)	Lower Rangitikei (Rang_3a)	12.100	Rangitikei at Onepuhi	S23:201-222	141,696
	Makohine (Rang_3b)	0.040	Makohine at Viaduct	T22:395-450	864

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<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>
<b>Whole Area (Rang_3)</b>					<b>141,696</b>
<b>Catchment cumulative allocable volume (Rang_1 + Rang_2 + Rang_3)</b>					<b>141,696</b>
Coastal Rangitikei (Rang_4)	Coastal Rangitikei (Rang_4a)	10.230	Rangitikei at McKelvies	S24:033-985	213,840
	Tidal Rangitikei (Rang_4b)	10.230	Rangitikei at McKelvies	S24:033-985	285,120
	Porewa (Rang_4c)	12.100	Rangitikei at Onepuhi	S23:201-222	0
	Tūtaenui (Rang_4d)	10.230	Rangitikei at McKelvies	S24:033-985	6,653
<b>Whole Area (Rang_4)</b>					<b>285,120</b>
<b>Catchment cumulative allocable volume (Rang_1 + Rang_2 + Rang_3 + Rang_4)</b>					<b>285,120</b>
Upper Whanganui (Whai_1)	Upper Whanganui (Whai_1)	26.6	Whanganui at Te Maire		518
<b>Whole Area (Whai_1)</b>					<b>518</b>
Cherry Grove (Whai_2)	Cherry Grove (Whai_2a)	26.6	Whanganui at Te Maire		15,121
	Upper Whakapapa (Whai_2b)	26.6	Whanganui at Te Maire		3,937
	Lower Whakapapa (Whai_2c)	26.6	Whanganui at Te Maire		5,517
	Piopiotea (Whai_2d)	26.6	Whanganui at Te Maire		80
	Pungapunga (Whai_2e)	26.6	Whanganui at Te Maire		0
	Upper Ōngarue (Whai_2f)	26.6	Whanganui at Te Maire		1,270
	Lower Ōngarue (Whai_2g)	26.6	Whanganui at Te Maire		1,422

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<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>
<b>Whole Area (Whai_2)</b>					<b>15,121</b>
<b>Catchment cumulative allocable volume (Whai_1 + Whai_2)</b>					<b>15,121</b>
Te Maire (Whai_3)	Te Maire (Whai_3)	MALF*			10% of MALF*
<b>Catchment cumulative allocable volume (Whai_1 + Whai_2 + Whai_3)</b>					<b>10% of MALF*</b>
Middle Whanganui (Whai_4)	Middle Whanganui (Whai_4a)	MALF*			10% of MALF*
	Upper Ōhura (Whai_4b)	MALF*			10% of MALF*
	Lower Ōhura (Whai_4c)	MALF*			10% of MALF*
	Rētāruke (Whai_4d)	MALF*			10% of MALF*
<b>Whole Area (Whai_4)</b>					<b>10% of MALF*</b>
<b>Catchment cumulative allocable volume (Whai_1 + Whai_2 + Whai_3 + Whai_4)</b>					<b>10% of MALF*</b>
Pipiriki (Whai_5)	Pipiriki (Whai_5a)	MALF*			10% of MALF*
	Tangarakau (Whai_5b)	MALF*			10% of MALF*
	Whangamomona (Whai_5c)	MALF*			10% of MALF*
	Upper Manganui o te Ao (Whai_5d)	n/a			0
	Makatote (Whai_5e)	n/a			0
	Waimarino (Whai_5f)	7 day MALF*			5% of 7 day MALF*



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<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>
	Middle Manganui o te Ao (Whai_5g)	7 day MALF*			5% of 7 day MALF*
	Mangaturuturu (Whai_5h)	n/a			0
	Lower Manganui o te Ao (Whai_5i)	7 day MALF*			5% of 7 day MALF*
	Orautoha (Whai_5j)	7 day MALF*			5% of 7 day MALF*
<b>Whole Area (Whai_5)</b>					<b>10% of MALF*</b>
<b>Catchment cumulative allocable volume (Whai_1 + Whai_2 + Whai_3 + Whai_4 + Whai_5)</b>					<b>10% of MALF*</b>
Paetawa (Whai_6)	Paetawa (Whai_6)	MALF*			10% of MALF*
<b>Catchment cumulative allocable volume (Whai_1 + Whai_2 + Whai_3 + Whai_4 + Whai_5 + Whai_6)</b>					<b>10% of MALF*</b>
Lower Whanganui (Whai_7)	Lower Whanganui (Whai_7a)	MALF*			10% of MALF*
	Coastal Whanganui (Whai_7b)	MALF*			10% of MALF*
	Upokongaro (Whai_7c)	MALF*			10% of MALF*
	Matarawa (Whai_7d)	MALF*			10% of MALF*
<b>Whole Area (Whai_7)</b>					<b>10% of MALF*</b>
<b>Catchment cumulative allocable volume (Whai_1 + Whai_2 + Whai_3 + Whai_4 + Whai_5 + Whai_6 + Whai_7)</b>					<b>10% of MALF*</b>
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	8.700	Whangaehu at Karioi	S21:218-864	47,520
	Waitangi (Whau_1b)	0.470	Waitangi at Tangiwai	T21:316-886	9,504

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<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m³/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m³/day)</b>	
	Tokiahuru (Whau_1c)	3.840	Tokiahuru at Junction	S21:217-870	41,472	
<b>Whole Area (Whau_1)</b>					<b>47,520</b>	
Middle Whangaehu (Whau_2)	Middle Whangaehu	9.650	Whangaehu at Aranui	S21:175-627	52,272	
<b>Catchment cumulative allocable volume (Whau_1 + Whau_2)</b>					<b>52,272</b>	
Lower Whangaehu (Whau_3)	Lower Whangaehu (Whau_3a)	11.770	Whangaehu at Kauangaroa	S22:045-397	127,008	
	Upper Makotuku (Whau_3b)	0.095	Makotuku at Below Race Intake	S20:091-002	2,506	
	Lower Makotuku (Whau_3c)	0.165	Makotuku at Raetihi	S20:065-955	3,802	
	Upper Mangawhero (Whau_3d)	1.020	Mangawhero at Pakihi Road	S20:100-945	20,736	
	Lower Mangawhero (Whau_3e)	2.405	Mangawhero at Ore Ore	S21:045-794	24,624	
	Makara (Whau_3f)	0.045	Makara at d/s Airstrip		0	
	Cumulative allocable volume (Whau_3b + Whau_3f)					2,506
	Cumulative allocable volume (Whau_3b + Whau_3c + Whau_3f)					3,802
<b>Whole Area (Whau_3)</b>					<b>127,008</b>	
<b>Catchment cumulative allocable volume (Whau_1 + Whau_2 + Whau_3)</b>					<b>127,008</b>	
Coastal Whangaehu (Whau_4)	Coastal Whangaehu (Whau_4)	11.770	Whangaehu at Kauangaroa	S22:045-397	127,008	
<b>Catchment cumulative allocable volume (Whau_1 + Whau_2 + Whau_3 + Whau_4)</b>					<b>127,008</b>	
Turakina (Tura_1)	Upper Turakina (Tura_1a)	0.340	Turakina at Otairi	S22:236-471	3,024	
	Lower Turakina (Tura_1b)	0.805	Turakina at O'Neills Bridge	S23:006-287	12,528	

<b>Table 37 - Cumulative Core Allocation Limits and Minimum Flows by Water Management Sub-area*</b>					
<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>
	Ratana (Tura_1c)	0.805	Turakina at O'Neills Bridge	S23:006-287	10% of MALF
<b>Whole Area (Tura_1)</b>					<b>12,528</b>
<b>Catchment cumulative allocable volume (Tura_1)</b>					<b>12,528</b>
Ōhau (Ohau_1)	Upper Ōhau (Ohau_1a)	0.820	Ōhau at Rongomatane	S25:072-577	24,192
	Lower Ōhau (Ohau_1b)	0.820	Ōhau at Rongomatane	S25:072-577	24,192
<b>Whole Area (Ohau_1)</b>					<b>24,192</b>
<b>Catchment cumulative allocable volume (Ohau_1)</b>					<b>24,192</b>
Owahanga (Owha_1)	Owahanga (Owha_1)	0.030	Owahanga at Branscombe Bridge	U25:893-587	432
East Coast (East_1)	East Coast (East_1)	MALF*			10% of MALF*
Ākitio (Akit_1)	Upper Ākitio (Akit_1a)	0.045	Ākitio at Weber	U24:919-832	864
	Lower Ākitio (Akit_1b)	0.145	Ākitio at Mouth	U25:988-655	2,592
	Waihi (Akit_1c)	0.050	Waihi at SH52	U24:892-804	1,296
<b>Catchment cumulative allocable volume (Akit_1)</b>					<b>2,592</b>
Northern Coastal (West_1)	Northern Coastal (West_1)	MALF*			10% of MALF*
Kai Iwi (West_2)	Kai Iwi (West_2)	0.445	Kai Iwi at Handley Road	R22:726-455	3,888
Mōwhānau (West_3)	Mōwhānau (West_3)	MALF*			10% of MALF*
Kaitoke Lakes (West_4)	Kaitoke Lakes (West_4)	MALF*			10% of MALF*

<b>Table 37 - Cumulative Core Allocation Limits and Minimum Flows by Water Management Sub-area*</b>					
<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Minimum flow (m<sup>3</sup>/s)</b>	<b>Flow monitoring site</b>	<b>Flow monitoring site location</b>	<b>Cumulative core allocation limit (m<sup>3</sup>/day)</b>
Southern Whanganui Lakes (West_5)	Southern Whanganui Lakes (West_5)	MALF*			10% of MALF*
Northern Manawatū Lakes (West_6)	Northern Manawatū Lakes (West_6)	MALF*			10% of MALF*
Waitarere (West_7)	Waitarere (West_7)	MALF*			10% of MALF*
Lake Papaitonga (West_8)	Lake Papaitonga (West_8)	MALF*			10% of MALF*
Waikawa (West_9)	Waikawa (West_9a)	0.220	Waikawa at North Manakau Road	S25:987-530	6,048
	Manakau (West_9b)	0.040	Manakau at SH1 Bridge	S25:968-512	432
<b>Whole Area (West_9)</b>					<b>6,048</b>
Lake Horowhenua (Hoki_1)	Lake Horowhenua (Hoki_1a)	MALF*			10% of MALF*
	Hokio (Hoki_1b)	MALF*			10% of MALF*

<b>Table 38 - Location of Existing Hydroelectricity Generation Scheme Infrastructure</b>			
<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Intake/Dam Name</b>	<b>Locality Descriptions</b>
Middle Rangitikei (Rang_2)	Upper Moawhango (Rang_2)	Moawhango Dam	T20:472-962
Upper Whanganui (Whai_1)	Upper Whanganui (Whai_1)	Okupata Intake	S19:287-351
Upper Whanganui (Whai_1)	Upper Whanganui (Whai_1)	Taurewa Intake	T19:305-356
Upper Whanganui (Whai_1)	Upper Whanganui (Whai_1)	Tawhitikuri Intake	T19:311-359

**Table 38 - Location of Existing Hydroelectricity Generation Scheme Infrastructure**

<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Intake/Dam Name</b>	<b>Locality Descriptions</b>
Upper Whanganui (Whai_1)	Upper Whanganui (Whai_1)	Mangatepopo Intake	T19:313-361
Upper Whanganui (Whai_1)	Upper Whanganui (Whai_1)	Whanganui Intake	T19:353-386
Upper Whanganui (Whai_1)	Upper Whanganui (Whai_1)	Te Whaiiau Dam	T19:357-398
Upper Whanganui (Whai_1)	Upper Whanganui (Whai_1)	Otamangakau Dam	T19:367-410
Cherry Grove (Whai_2)	Upper Whakapapa (Whai_2b)	Whakapapa Intake minimum flow site (footbridge)	S19:226-295
Te Maire (Whai_3)	Te Maire (Whai_3)	Whanganui River at Te Maire	S19:998-490
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Makahikatoa	T20:401-984
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Whangaehu River	T20:404-984
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Whangaehu River	T20:407-985
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Whangaehu River	T20:409-985
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Whangaehu River	T20:419-985
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Whangaehu River	T20:424-985
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:393-986
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:393-986
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:394-986
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:394-986
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:397-986

<b>Table 38 - Location of Existing Hydroelectricity Generation Scheme Infrastructure</b>			
<b>Water Management Area*</b>	<b>Sub-area*</b>	<b>Intake/Dam Name</b>	<b>Locality Descriptions</b>
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:397-986
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Whangaehu River	T20:413-986
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Whangaehu River	T20:416-986
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Whangaehu River	T20:417-986
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:387-987
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:387-987
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Tomowai	T20:414-987
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:378-988
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:378-988
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:383-988
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Unnamed tributary of the Wahianoa River	T20:383-988