

Appendix II

This table sets out a Zone by Zone description of changes to minimum flows, core allocation limits and flow monitoring sites in Schedule B. It also contains additional cumulative allocation rows which have been added for clarity.

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
1a	Upper Manawatu	1.600	1.600	0.204	17,712	Manawatu at Weber Rd	Increased core allocation limit; change to m ³ /day	Rounding of core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42A Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
1b	Mangatewainui	1.600	1.600	0.063	5,616	Manawatu at Weber Rd	Increased core allocation limit; change to m ³ /day	Rounding of core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42A Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
1c	Mangatoro	0.702	0.700	0.204	10,368	Mangatoro at Mangahei Rd	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Rounding of minimum flow to nearest 0.005 m ³ /s; additional hydrological data available – a more robust statistics; more equitable for existing users	s42A Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whole zone cumulative Mana 1a + Mana 1b + Mana 1c				0.204	17,712		Increased core allocation limit; change to m ³ /day	Rounding of minimum flow and core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 2a	Weber-Tamaki	1.600	1.600	0.251	21,600	Manawatu at Weber Rd	Decreased core allocation limit; change to m ³ /day	Rounding of minimum flow and core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 2b	Mangatera	1.600	1.600	0.047	3,888	Manawatu at Weber Rd	Decreased core allocation limit; change to m ³ /day	Rounding of minimum flow and core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Mana 1 + Mana 2				0.251	21,600		Decreased catchment cumulative core allocation limit; change to m ³ /day	Rounding of core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75; Federated Farmers 426/187

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Mana 3	Upper Tamaki	0.238	0.240	0.078	6,912	Tamaki at Water Supply Weir	Increased minimum flow; increased core allocation limit; change to m ³ /day	Rounding of minimum flow and core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 4	Upper Kumeti	0.055	0.055	0.005	864	Kumeti at Te Rehunga	Increased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 5a	Tamaki-Hopelands	2.980	2.980	0.971	83,808	Manawatu at Hopelands	Decreased core allocation limit; change to m ³ /day	Rounding of core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 5b	Lower Tamaki	0.360	0.360	0.138	12,096	Tamaki at Stephensons	Increased core allocation limit; change to m ³ /day	Rounding of core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Cumulative Mana 3 + Mana 5b				n/a	12,096		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 5c	Lower Kumeti	0.055	2.980	0.059	5,184	Manawatu at Hopelands	Change in flow monitoring site and minimum flow; increased core allocation limit; change to m ³ /day	Recommended flow monitoring site more representative for the sub-zone; rounding of core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Cumulative Mana 4 + Mana 5c				n/a	5,184		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 5d	Oruakeretaki	0.293	0.208	0.105	7,776	Oruakeretaki at S.H.2 Napier	Decreased minimum flow; increased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Mana 5e	Raparapawai	0.074	0.035	0.024	1,296	Raparapawai at Jacksons Rd	Decreased minimum flow; increased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5				0.971	83,808		Decreased catchment cumulative core allocation limit; change to m ³ /day	Rounding of core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 6	Hopelands-Tiraumea	2.980	2.980	1.049	90,720	Manawatu at Hopelands	Increased core allocation limit; change to m ³ /day	Rounding of minimum flow and core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5 + Mana 6				1.049	90,720		Increased core allocation limit; change to m ³ /day	Rounding of core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Mana 7a	Upper Tiraumea	2.140	2.040	0.475	3,456	Tiraumea at Ngaturi	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 7b	Lower Tiraumea	2.140	2.040	0.550	23,328	Tiraumea at Ngaturi	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 7c	Mangaone River	MALF	2.040	MALF	1,728	Tiraumea at Ngaturi	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 7d	Makuri	2.160	1.700	0.108	8,640	Makuri at Tuscan Hills	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Cumulative Mana 7a + Mana 7c + Mana 7d				n/a	8,640		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 7e	Mangaramarama	1.580	2.040	0.009	2,160	Tiraumea at Ngaturi	Change in location of sub-zone; subsequent change in flow monitoring site and minimum flow; change to m ³ /day	Consequential to change in WMZs in Schedule Ba; additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Mana 7a + Mana 7b + Mana 7c + Mana 7d + Mana 7e				0.550	23,328		Mana 7e added; decreased whole zone core allocation limit; change to m ³ /day	Consequential to change in WMZs in Schedule Ba; Additional hydrological data available – more robust statistics; more equitable for existing users	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 8a	Upper Mangatainoka	0.400	0.370	0.060	1,728	Mangatainoka at Larsons Road	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Mana 8b	Middle Mangatainoka	1.580	1.305	0.105	5,184	Mangatainoka at Pahiatua Town Bridge	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 8c	Lower Mangatainoka	1.580	1.305	0.289	27,913	Mangatainoka at Pahiatua Town Bridge	Decreased minimum flow; increased core allocation limit; change to m ³ /day	Consequential to increased core allocation limit in Mana 8d; additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Eketahuna Community Board 15/1
Mana 8d	Makakahi	0.345	0.320	0.052	2,694	Makakahi at Hamua	Decreased minimum flow; increased core allocation limit; change to m ³ /day	Result of submission; additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Eketahuna Community Board 15/1
Cumulative Mana 8a + Mana 8b + Mana 8d				n/a	5,184		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whole zone cumulative Mana 8a + Mana 8b + Mana 8c + Mana 8d				n/a	27,913		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Cumulative Mana 7 + Mana 8				0.839	51,241		Decreased core allocation limit; change to m ³ /day	Result of submission; additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 9a	Upper Gorge	10.530	9.175	2.340	198,288	Manawatu at Upper Gorge	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 9b	Mangapapa	0.023	0.035	0.010	1,296	Mangapapa at Troup Rd	Increased minimum flow; increased core allocation limit; change to m ³ /day	Brought into line with existing Consent conditions for Woodville water supply (102773)	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

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Mana 9c	Manga-atua	MALF	0.070	20% of MALF	432	Mangaatua at Hutchinsons	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 9d	Upper Mangahao	MALF	1.415	20% of MALF	7,344	Mangahao at Ballance	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 9e	Lower Mangahao	MALF	1.415	20% of MALF	7,344	Mangahao at Ballance	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Cumulative Mana 9d + Mana 9e				n/a	7,344		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whole zone cumulative Mana 9a + Mana 9b + Mana 9c + Mana 9d + Mana 9e				n/a	198,288		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5 + Mana 6 + Mana 7 + Mana 8 + Mana 9				2.340	198,288		Decreased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 10a	Middle Manawatu	14.160	12.240	3.150	264,384	Manawatu at Teachers College	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 10b	Upper Pohangina	MALF	1.960	20% of MALF	9,936	Pohangina at Mais Reach	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

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Mana 10c	Middle Pohangina	1.960	1.960	0.460	39,312	Pohangina at Mais Reach	Decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Cumulative Mana 10b + Mana 10c				n/a	39,312		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 10d	Lower Pohangina	1.960	1.960	0.525	39,312	Pohangina at Mais Reach	Decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Cumulative Mana 10b + Mana 10c + Mana 10d				n/a	39,312		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 10e	Aokautere	MALF	12.240	20% of MALF	432	Manawatu at Teachers College	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

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							allocation limit in m ³ /day				
Whole zone cumulative Mana 10a + Mana 10b + Mana 10c + Mana 10d + Mana 10e				n/a	264,384		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5 + Mana 6 + Mana 7 + Mana 8 + Mana 9 + Mana 10				3.150	264,384		Decreased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 11a	Lower Manawatu	14.160	12.240	3.180	336,096	Manawatu at Teachers College	Decreased minimum flow; increased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Mana 11b	Turitea	0.050	0.041	0.264	37,100	Turitea at Ngahere Park	Decreased minimum flow; increased core allocation limit; change to m ³ /day	Outcome of caucusing; allocation limits revised to include all existing consents; additional hydrological data available – more robust statistics	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report; s42A Report and Supplementary Evidence of Dr McConchie; caucusing report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Palmerston North City Council 241/63
Mana 11c	Kahuterawa	MALF	0.180	20% of MALF	864	Kahuterawa at Johnsons Rata	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 11d	Upper Mangaone Stream	MALF	0.035	20% of MALF	432	Mangaone at Milson Line	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Mana 11e	Lower Mangaone Stream	MALF	0.035	20% of MALF	864	Mangaone at Milson Line	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Cumulative Mana 11d + Mana 11e				n/a	1,296		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 11f	Main Drain	MALF	12.240	20% of MALF	10% of MALF	Manawatu at Teachers College	Addition of flow monitoring site; addition of numerical minimum flow; decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Mana 11a + Mana 11b + Mana 11c + Mana 11d + Mana 11e + Mana 11f				n/a	336,096		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Catchment cumulative Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5 + Mana 6 + Mana 7 + Mana 8 + Mana 9 + Mana 10 + Mana 11				3.180	336,096		Increased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 12a	Upper Oroua	1.050	1.005	0.405	34,128	Oroua at Almadale	Change in flow monitoring site; decreased minimum flow; decreased core allocation limit; change to m ³ /day	Flow site more representative for the sub-zone; additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 12b	Middle Oroua	1.050	1.030	0.429	34,992	Oroua at Kawa Wool	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 12c	Lower Oroua	1.050	1.085	0.530	37,152	Oroua at Awahuri Bridge	Change in flow monitoring site; increased minimum flow; decreased core allocation limit; change to m ³ /day	Flow site more representative for the sub-zone; additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Cumulative Mana 12a + Mana 12b + Mana 12c				n/a	37,152		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 12d	Kiwitea	0.145	0.150	0.048	1,296	Kiwitea at Haynes Line	Increased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 12e	Makino	0.080	0.075	0.025	1,296	Makino at Boness Rd	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Mana 12a + Mana 12b + Mana 12c + Mana 12d + Mana 12e				n/a	37,152		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Catchment cumulative Mana 1 + Mana 2 + Mana 3 + Mana 4 + Mana 5 + Mana 6 + Mana 7 + Mana 8 + Mana 9 + Mana 10 + Mana 11 + Mana 12				3.710	373,248		Increased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 13a	Coastal Manawatu	12.588	12.240	5.300	598,752	Manawatu at Teachers College	Decreased minimum flow; increased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 13b	Upper Tokomaru	0.220	0.240	0.050	1,296	Tokomaru at Riverland Farm	Change in flow monitoring site; decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 13c	Lower Tokomaru	MALF	0.240	20% of MALF	14,688	Tokomaru at Riverland Farm	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Cumulative Mana 13b + Mana 13c				n/a	14,688		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 13d	Mangaore	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 13e	Koputaroa	MALF	13.240	20% of MALF	432	Manawatu at Teachers College	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Mana 13f	Foxton Loop	MALF	Rule 15-5 applies	20% of MALF	MALF		no change	no change	no change	no change	no change
Whole zone cumulative Mana 13a + Mana 13b + Mana 13c + Mana 13d + Mana 13e + Mana 13f				n/a	598,752		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Catchment cumulative 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				5.300	598,752		Increased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Rang 1a	Upper Rangitikei	n/a	n/a	0.000	0		no change	no change	no change	no change	no change
Rang 2a	Middle Rangitikei	5.250	5.000	0.260	21,600	Rangitikei at Pukeokahu	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Rang 2b	Pukeokahu-Mangaweka	12.790	12.250	0.670	52,704	Rangitikei at Mangaweka	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Cumulative Rang 2a + Rang 2b				n/a	52,704		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Rang 2c	Upper Moawhango	n/a	0	0.000	0		No change to actual minimum flow	Consistency in formatting and clarity	s42a Report of Raelene Hurndell; s42A	Schedule B	Environmental Working Party 386/65; Nga

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
							and core allocation limit, but recommend n/a in place of blank cell in Schedule B and for core allocation, replacement of 0.000 with 0		Report and Supplementary Evidence of Dr Roygard		Pae O Rangitikei 427/65; Robyn Woollaston 5/1
Rang 2d	Middle Moawhango	n/a	0	0.000	0		Change to zero allocation due to submission	Consistency in formatting and clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Environmental Working Party 386/65; Nga Pae O Rangitikei 427/66; Robyn Woollaston 5/1
Rang 2e	Lower Moawhango	MALF	0	5% of MALF	0		Decreased minimum flow; decreased core allocation limit	Result of submission	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Robyn Woollaston 5/1
Rang 2f	Upper Hautapu	0.745	0.640	0.112	9,936	Hautapu at Alabasters	Decreased minimum flow; Increased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Rang 2g	Lower Hautapu	0.670	0.640	0.085	12,960	Hautapu at Alabasters	Decreased minimum flow; increased core	Additional hydrological data available	s42a Report of Raelene Hurndell; s42A	Schedule B	Hort NZ 357/75, 357/149 and

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
							allocation limit; change to m ³ /day	– more robust statistics; more equitable for existing users	Report and Supplementary Evidence of Dr Roygard		357/166; Federated Farmers 426/187 and 426/234
Cumulative Rang 2f + Rang 2g				n/a	12,960		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Rang 2a + Rang 2b + Rang 2c + Rang 2d + Rang 2e + Rang 2f + Rang 2g				n/a	12,960		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Rang 1 + Rang 2				0.670	52,704		Increased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Rang 3a	Lower Rangitikei	14.550	12.100	1.510	141,696	Rangitikei at Onepuhi	Decreased minimum flow; increased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Rang 3b	Makohine	0.036	0.040	0.008	864	Makohine at Viaduct	Increased minimum flow; increased core allocation limit; change to m ³ /day	Rounding of minimum flow and core allocation limit to nearest 0.005 m ³ /s; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Rang 3a + Rang 3b				n/a	141,696		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Rang 1 + Rang 2 + Rang 3				1.510	141,696		Increased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Rang 4a	Coastal Rangitikei	10.230	10.230	6.410	213,840	Rangitikei at McKelvies	Decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Rang 4b	Tidal Rangitikei	10.230	10.230	6.410	285,120	Rangitikei at McKelvies	Decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Rang 4c	Porewa	MALF	12.100	20% of MALF	0	Rangitikei at Onepuhi	Addition of flow monitoring site; Addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Rang 4d	Tutaenui	MALF	10.230	20% of MALF	6,653	Rangitikei at McKelvies	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Rang 4a + Rang 4b + Rang 4c + Rang 4d				n/a	285,120		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Catchment cumulative Rang 1 + Rang 2 + Rang 3 + Rang 4				6.410	285,120		Decreased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 1	Upper Whanganui	MALF	26.600	20% of MALF	518	Whanganui at Te Maire	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Result of submission; core allocation aligned with existing consented use; additional hydrological data available – more robust statistics	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis 268/52
Whole zone cumulative Whai 1				20% of MALF of Whai 1	518		Addition of numerical core allocation limit in m ³ /day	Result of submission; core allocation aligned with existing consented use; additional hydrological data available – more robust statistics	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis 268/52

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whai 2a	Cherry Grove	MALF	26.600	20% of MALF	15,121	Whanganui at Te Maire	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis 268/52	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis????
Whai 2b	Upper Whakapapa	MALF	26.600	20% of MALF	3,937	Whanganui at Te Maire	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis 268/52	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis????
Whai 2c	Lower Whakapapa	MALF	26.600	20% of MALF	5,517	Whanganui at Te Maire	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis 268/52	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis????

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whai 2d	Piopioteo	MALF	26.600	20% of MALF	80	Whanganui at Te Maire	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Result of submission; core allocation aligned with existing consented use; additional hydrological data available – more robust statistics	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis 268/52
Whai 2e	Pungapunga	MALF	26.600	20% of MALF	0	Whanganui at Te Maire	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Result of submission; core allocation aligned with existing consented use; additional hydrological data available – more robust statistics	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis 268/52
Whai 2f	Upper Ongarue	MALF	26.600	20% of MALF	1,270	Whanganui at Te Maire	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Result of submission; core allocation aligned with existing consented use; additional hydrological data available – more robust statistics	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis 268/52

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whai 2g	Lower Ongarue	MALF	26.600	20% of MALF	1,422	Whanganui at Te Maire	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Result of submission; core allocation aligned with existing consented use; additional hydrological data available – more robust statistics	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard; End of Hearing Report	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234; Genesis 268/52
Whole zone cumulative Whai 2a + Whai 2b + Whai 2c + Whai 2d + Whai 2e + Whai 2f + Whai 2g				n/a	15,121		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Whai 1 + Whai 2				20% of MALF of the point just downstream of the Ongarue-Whanganui confluence	15,121		Decreased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 3	Te Maire	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Catchment cumulative Whai 1 + Whai 2 + Whai 3				20% of the MALF of Whai 3	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 4a	Middle Whanganui	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 4b	Upper Ohura	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 4c	Lower Ohura	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 4d	Retaruke	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whole zone cumulative Whai 4a + Whai 4b + Whai 4c + Whai 4d				n/a	10% of MALF		Addition of whole zone core allocation limit for clarity	Addition of whole zone core allocation limit for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Whai 1 + Whai 2 + Whai 3 + Whai 4				20% of MALF of the point just downstream of the Whanganui-Retaruke confluence	10% of MALF		Decreased catchment cumulative core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 5a	Pipiriki	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 5b	Tangarakau	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 5c	Whangamomona	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whai 5d	Upper Manganui o te Ao	n/a	n/a	n/a	0		Changes to WMZ structure	Giving effect to NWCO; consequential to change in WMZs in Schedule Ba	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	See Scope Table Schedule Ba changes
Whai 5e	Makatote River	n/a	n/a	n/a	0		Addition of new sub-zone	Giving effect to NWCO; consequential to change in WMZs in Schedule Ba	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	See Scope Table Schedule Ba changes
Whai 5f	Waimarino	n/a	7-day MALF	20% of MALF	5% of 7-day MALF		Addition of new sub-zone	Giving effect to NWCO; consequential to change in WMZs in Schedule Ba	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	See Scope Table Schedule Ba changes
Whai 5g	Middle Manganui o Te Ao	n/a	7-day MALF	20% of MALF	5% of 7-day MALF		Addition of new sub-zone	Giving effect to NWCO; consequential to change in WMZs in Schedule Ba	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	See Scope Table Schedule Ba changes

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whai 5h	Mangaturuturu River	n/a	7-day MALF	20% of MALF	0		Addition of new sub-zone	Giving effect to NWCO; consequential to change in WMZs in Schedule Ba	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	See Scope Table Schedule Ba changes
Whai 5i	Lower Manganui o te Ao	n/a	7-day MALF	20% of MALF	5% of 7-day MALF		Changes to WMZ structure	Giving effect to NWCO; consequential to change in WMZs in Schedule Ba	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	See Scope Table Schedule Ba changes
Whai 5j	Orautoha	n/a	7-day MALF	20% of MALF	5% of 7-day MALF		Addition of new sub-zone	Giving effect to NWCO; consequential to change in WMZs in Schedule Ba	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	See Scope Table Schedule Ba changes
Whole zone cumulative Whai 5a + Whai 5b + Whai 5c + Whai 5d + Whai 5e + Whai 5f + Whai 5g + Whai 5h + Whai 5i + Whai 5j				n/a	10% of MALF		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Catchment cumulative Whai 1 + Whai 2 + Whai 3 + Whai 4 + Whai 5				20% of the MALF of Whai 5a	10% of MALF		Decreased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42A Report of Maree Clark; s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 6	Paetawa	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Whai 1 + Whai 2 + Whai 3 + Whai 4 + Whai 5 + Whai 6				20% of the MALF of Whai 6	10% of MALF		Decreased catchment cumulative core allocation limit; change to m ³ /day	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 7a	Lower Whanganui	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whai 7b	Coastal Whanganui	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 7c	Upokongaro	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whai 7d	Matarawa	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Whai 7a + Whai 7b + Whai 7c + Whai 7d				n/a	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Whai 1 + Whai 2 + Whai 3 + Whai 4 + Whai 5 + Whai 6 + Whai 7				20% of the MALF of Whai 7b	10% of MALF		Decreased catchment cumulative core allocation limit; change to m ³ /day	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whau 1a	Upper Whangaehu	9.790	8.700	2.175	47,520	Whangaehu at Karioi	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whau 1b	Waitangi	0.475	0.470	0.105	9,504	Waitangi at Tangiwai	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whau 1c	Tokiahuru	4.340	3.840	0.960	41,472	Tokiahuru at Junction	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Whau 1a + Whau 1b + Whau 1c				n/a	47,520		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whau 2	Middle Whangaehu	MALF	9.650	20% of MALF	52,272	Whangaehu at Aranui	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Whau 1 + Whau 2				20% of the MALF of Whau 2	52,272		Addition of numerical catchment cumulative core allocation limit in m ³ /day	Addition of numerical catchment cumulative core allocation limit in m ³ /day	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whau 3a	Lower Whangaehu	13.240	11.770	2.940	127,008	Whangaehu at Kauangaroa	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whau 3b	Upper Makotuku	0.100	0.095	0.023	2,506	Makotuku at Below Race Intake	Change in flow monitoring site; decreased minimum flow; Increased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whau	Lower Makotuku	MALF	0.165	20% of	3,802	Makotuku at	Addition of	Additional	s42a Report of	Schedule	Hort NZ

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
3c				MALF		Raetihi	flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	hydrological data available – more robust statistics; more equitable for existing users	Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	B	357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whau 3d	Upper Mangawhero	MALF	1.200	20% of MALF	20,736	Mangawhero at Pakahi Rd	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whau 3e	Lower Mangawhero	2.520	2.405	0.560	24,624	Mangawhero at Ore Ore	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whau 3f	Makara	n/a	0.045	0.000	0	Makara at d/s Airstrip	Addition of new sub-zone, addition of flow monitoring site; minimum flow and core allocation limit in m ³ /day	Consequential to change in WMZs in Schedule Ba	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	See Scope Table Schedule Ba changes

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Cumulative Whau 3b + Whau 3f				n/a	2,506		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Cumulative Whau 3b + Whau 3f+ Whau 3c				n/a	3,802		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Whau 3a + Whau 3b + Whau 3c + Whau 3d + Whau 3e + Whau 3f				n/a	127,008		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Whau 1 + Whau 2 + Whau 3				2,940	127,008		Decreased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whau 4	Coastal Whangaehu	MALF	11.770	20% of MALF	127,008	Whangaehu at Kauangaroa	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core	Additional hydrological data available –more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
							allocation limit in m ³ /day				
Catchment cumulative Whau 1 + Whau 2 + Whau 3 + Whau 4				20% of the MALF of Whau 4	127,008		Addition of numerical catchment cumulative core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Tura 1a	Upper Turakina	0.345	0.340	0.075	3,024	Turakina at Otairi	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Tura 1b	Lower Turakina	0.830	0.805	0.185	12,528	Turakina at O'Neills Bridge	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurdell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Tura 1c	Ratana	MALF	0.805	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Tura 1a + Tura 1b + Tura 1c				n/a	12,528		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Tura 1				0.185	12,528		Decreased catchment cumulative core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Ohau 1a	Upper Ohau	0.820	0.820	0.280	24,192	Ohau at Rongomatane	Change to m ³ /day	More equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Ohau 1b	Lower Ohau	0.820	0.820	0.280	24,192	Ohau at Rongomatane	Change to m ³ /day	More equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Whole zone cumulative Ohau 1a + Ohau 1b				n/a	24,192		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Catchment cumulative Ohau 1				0.280	24,192		no change	n/a	n/a	Schedule B	n/a
Owha 1	Owahanga	0.040	0.030	0.010	432	Owahanga at Branscombe Bridge	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
East 1	East Coast	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Akit 1a	Upper Akitio	MALF	0.045	20% of MALF	864	Akitio at Weber	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
Akit 1b	Lower Akitio	MALF	0.145	20% of MALF	2,592	Akitio at Weber	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Akit 1c	Waihi	MALF	0.050	20% of MALF	1,296	Waihi at S.H.54	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Whole zone cumulative Akit 1a + Akit 1b + Akit 1c				20% of MALF of Akit 1b	2,592		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
West 1	Northern Coastal	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
West 2	Kai Iwi	0.470	0.445	0.105	3,888	Kai Iwi at Handley Road	Decreased minimum flow; decreased core allocation limit; change to m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
West 3	Mowhanau	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
West 4	Kaitoke Lakes	MALF	POP Rule 15-5 applies	20% of MALF	MALF		no change	no change	no change	Schedule B	no change
West 5	Southern Wanganui Lakes	MALF	POP Rule 15-5 applies	20% of MALF	MALF		no change	no change	no change	Schedule B	no change
West 6	Northern Manawatu Lakes	MALF	POP Rule 15-5 applies	20% of MALF	MALF		no change	no change	no change	Schedule B	no change
West 7	Waitarere	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
West 8	Lake Papaitonga	MALF	POP Rule 15-5 applies	20% of MALF	MALF		no change	no change	no change	Schedule B	no change

Sub-zone	Sub-zone name	Notified recommended minimum flow (m ³ /s)	Final minimum flow recommendation (m ³ /s)	Notified core allocation limit (m ³ /s)	Final core allocation recommendation (m ³ /s)	Final flow site recommendation	Change	Reason for change	Related evidence	Related tables and Schedules	Related submission
West 9a	Waikawa	MALF	0.220	20% of MALF	6,048	Waikawa at North Manakau Rd	Addition of flow monitoring site; addition of numerical minimum flow; addition of numerical core allocation limit in m ³ /day	Additional hydrological data available – more robust statistics; more equitable for existing users	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/75, 357/149 and 357/166; Federated Farmers 426/187 and 426/234
West 9b	Manakau	n/a	0.040	n/a	432	Manakau at S.H.1 Bridge	Addition of new sub-zone, addition of flow monitoring site; minimum flow and core allocation limit in m ³ /day	Consequential to change in WMZs in Schedule Ba	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	See Scope Table Schedule Ba changes
Whole zone cumulative West 9a + West 9b				n/a	6,048		Addition of cumulative allocation row for clarity	Addition of cumulative allocation row for clarity	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234
Hoki 1a	Lake Horowhenua	MALF	POP Rule 15-5 applies	20% of MALF	MALF		no change	no change	no change	Schedule B	no change
Hoki 1b	Hokio	MALF	MALF	20% of MALF	10% of MALF		Decreased core allocation limit	Conservative approach in absence of detailed information	s42a Report of Raelene Hurndell; s42A Report and Supplementary Evidence of Dr Roygard	Schedule B	Hort NZ 357/149 and 357/166; Federated Farmers 426/187 and 426/234