

## **Schedule AB: Surface Water<sup>^</sup> Management Values ~~Schedule D:~~ Values that apply to waterbodies in the Manawatu- Wanganui Region**

Schedule AB is a component of Part II - the Regional Plan.

This Schedule uses the terminology “Surface Water<sup>^</sup> Management Values”. In some cases, these Values also apply to the *beds<sup>^</sup>* of the relevant *water body<sup>^</sup>*. This is clarified in Part AB.3 and the respective policies and rules of Part II.

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## Part AB.1: Surface Water<sup>A</sup> Management Values listed by Sub-zone\*

**ADVICE NOTE:** To help with interpretation of these tables please turn to Part AB.3 (the back of Schedule AB) and fold out the **VALUES KEY** and view together with the tables and figures in this schedule.

**Table D.1:** List of values, management objectives, and indication as to where they apply

**Table D.2:** Values By Zone in the Manawatu-Wanganui Region

### Legend:

Table Headings: **WQS:** Water Quality Standard; **LSC:** Life-supporting Capacity; **AE:** Aesthetics; **CR:** Contact Recreation; **SG:** Shellfish Gathering; **Mau:** Mauri; **IA:** Industrial Abstraction; **I:** Irrigation; **SW:** Stockwater; **EI:** Existing Infrastructure<sup>A</sup>; **CAP:** Capacity to Assimilate Pollution; **NS:** Natural State; **SOS-A:** Sites of Significance - for Aquatic biodiversity; **SOS-R:** Sites of Significance - for Riparian biodiversity; **NFS:** Native Fish; **IS:** Inanga Spawning; **Am:** Amenity; **NF:** Native Fishery; **WM:** Whitebait<sup>m</sup> migration; **SOS-C:** Sites of Significance - for Cultural value; **TF:** Trout Fishery; **TS:** Trout Spawning; **WS:** Water Supply; **FC/D:** Flood Control and Drainage.

Key for LSC Classes: **UHS:** Upland Hard Sedimentary, **UVA:** Upland Volcanic Acidic, **UVM:** Upland Volcanic Mixed, **ULi:** Upland Limestone, **HM:** Hill Mixed, **HSS:** Hill Soft Sedimentary, **LM:** Lowland Mixed, **LS:** Lowland Sand. The LSC Classes are listed as the geology of the catchment influences water quality and life-supporting capacity

Key for Fishery Classes: **I:** Outstanding, **II:** Regionally Significant, **III:** Other Trout Fishery

**Table AB.1: Surface Water<sup>A</sup> Management Values by Sub-zone\***

Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values										Site/Reach-specific Values											
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D	
Upper Manawatu (Mana_1)	Upper Manawatu (Mana_1a)	Manawatu River –source to from Weber Road at approx. NZMS 260 (U23:751-027) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓				II	✓	✓	✓
	Mangatewainui (Mana_1b)	Mangatewainui River –source to from Manawatu River confluence at approx. NZMS 260 (U23:829-086) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓							II	✓	✓	✓
	Mangatoro (Mana_1c)	Mangatoro Stream –source to from Manawatu River confluence at approx. NZMS 260 (U23:810-027) to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓								II	✓	✓	✓
Weber-Tamaki (Mana_2)	Weber-Tamaki (Mana_2a)	Manawatu River –Weber Road to from Tamaki River confluence at approx. NZMS 260 U23:709-003 to Weber Road at approx. NZMS 260 U23:751-027	HM	✓	✓		✓	✓	✓	✓	✓				✓						II		✓	✓

<sup>1</sup> Includes all inflowing tributaries and surrounding catchment area unless otherwise specified.

<sup>2</sup> All natural water bodies\* except those classified as NS and those identified as zero allocation in Schedule B.

<sup>3</sup> All natural water bodies\* and their beds<sup>A</sup> except those classified as NS.

<b>Table AB.1: Surface Water<sup>A</sup> Management Values by Sub-zone*</b>																								
Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values										Site/Reach-specific Values											
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D	
	Mangatera (Mana_2b)	Mangatera Stream – source to from Manawatu River confluence at approx. NZMS 260 (U23:737-025) to source	HM	✓	✓		✓	✓	✓	✓	✓									✓	✓	✓		
Upper Tamaki (Mana_3)	Upper Tamaki (Mana_3)	Tamaki River – source to from water supply weir at approx. NZMS 260 (U23:709-111) to source	UHS	✓	✓		✓	✓	✓	✓	✓	✓	✓							✓	✓	✓		
Upper Kumeti (Mana_4)	Upper Kumeti (Mana_4)	Kumeti Stream – source to from Te Rehunga flow recorder at approx. NZMS 260 (T23:663-052) to source	UHS	✓	✓		✓	✓	✓	✓	✓	✓	✓								✓	✓		
Tamaki-Hopelands (Mana_5)	Tamaki-Hopelands (Mana_5a)	Manawatu River – Tamaki confluence to from Hopelands at approx. NZMS 260 (T24:616-899) to Tamaki River confluence at approx. NZMS 260 U23:709-003	HM	✓	✓		✓	✓	✓	✓	✓				✓				II	✓	✓	✓		
	Lower Tamaki (Mana_5b)	Tamaki River – Water supply weir to from Manawatu River confluence at approx. NZMS 260 (U23:709-002) to water supply weir at approx. NZMS 260 U23:709-111	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓								✓	✓	✓	
	Lower Kumeti (Mana_5c)	Kumeti Stream – Te Rehunga to from Manawatu River confluence at approx. NZMS 260 (U23:701-006) to Te Rehunga flow recorder at approx. NZMS 260 T23:663-052	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓								✓	✓	✓	
	Oruakeretaki (Mana_5d)	Oruakeretaki Stream – source to from Manawatu River confluence at approx. NZMS 260 (T23:690-000) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓								✓	✓	✓	
	Raparapawai (Mana_5e)	Raparapawai Stream – source to from Manawatu River confluence at approx. NZMS 260 (T24:643-932) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓								✓	✓	✓	
Hopelands-Tiraumea (Mana_6)	Hopelands-Tiraumea (Mana_6)	Manawatu River – Hopelands to from Tiraumea River confluence (Ngawapuru) at approx. NZMS 260 (T24:553-870) to Hopelands at approx. NZMS 260 T24:616-899	HM	✓	✓		✓	✓	✓	✓	✓				✓		✓		II		✓	✓		
Tiraumea (Mana_7)	Upper Tiraumea (Mana_7a)	Tiraumea River – source to Ngaturi from Makuri Rver confluence at approx. NZMS 260 (T24:578-780) to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓							III		✓	✓		

Table AB.1: Surface Water <sup>A</sup> Management Values by Sub-zone*																							
Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values										Site/Reach-specific Values										
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D
	Lower Tiraumea (Mana_7b)	Tiraumea River – <del>Ngaturi confluence to from</del> Manawatu River confluence at approx. NZMS 260 (T24:555-870) to Makuri River confluence at approx. NZMS 260 T24:578-780	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓					III		✓	
	Mangaone River (Mana_7c)	Mangaone River – <del>source to from</del> Tiraumea River confluence at approx. NZMS 260 (T24:541-730) to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓								✓	✓
	Makuri (Mana_7d)	Makuri River – <del>source to from</del> Tiraumea River confluence at approx. NZMS 260 (T24:568-771) to source	ULi	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						II	✓	✓	
	Mangaramarama (Mana_7e)	Mangaramarama Creek from Tiraumea River confluence at approx. NZMS 260 T24:559-854 to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓									✓
Mangatainoka (Mana_8)	Upper Mangatainoka (Mana_8a)	Mangatainoka River from <del>Source to</del> Larsons Road at approx. NZMS 260 T25:308-595 to source	UHS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓					II	✓	✓	✓
	Middle Mangatainoka (Mana_8b)	Mangatainoka River from <del>Larsons Road to downstream</del> Makakahi River confluence at approx. NZMS 260 T24:475-775 to Larsons Road at approx. NZMS 260 T25:308-595	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓					II	✓	✓	✓
	Lower Mangatainoka (Mana_8c)	Mangatainoka River from <del>Makakahi confluence to</del> Tiraumea River confluence at approx. NZMS 260 T24:577-854 to Makakahi River confluence at approx. NZMS 260 T24:475-775	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓				II	✓	✓	✓
	Makakahi (Mana_8d)	Makakahi River – <del>source to from</del> Mangatainoka River confluence at approx. NZMS 260 T24:475-775 to source	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓				II	✓	✓	✓
	Mangaramarama (Mana_8e)	Mangaramarama Creek – <del>source to</del> Mangatainoka confluence (T24:557-844)	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓								✓	
Upper Gorge (Mana_9)	Upper Gorge (Mana_9a)	Manawatu River – <del>Tiraumea confluence to from</del> Upper Gorge <del>flow recorder</del> at approx. NZMS 260 (T24:494-933) to Tiraumea River confluence at approx. NZMS 260 T24:553-870	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓					III		✓	✓
	Mangapapa (Mana_9b)	Mangapapa Stream – <del>source to from</del> Mangaatua Stream confluence at approx. NZMS 260 (T24:515-922) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓

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Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values										Site/Reach-specific Values										
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D
	Mangaatua (Mana_9c)	Mangaatua Stream – <del>source to from</del> Manawatu River confluence at approx. NZMS 260 (T24:496-925) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓								✓	✓
	Upper Mangahao (Mana_9d)	Mangahao River – <del>source to Balance from</del> Balance at approx. NZMS 260 (T24:468-818) to source	UHS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓				III	✓	✓	✓
	Lower Mangahao (Mana_9e)	Mangahao River – <del>Balance to from</del> Manawatu River confluence at approx. NZMS 260 (T24:496-891) to Balance at approx. NZMS 260 T24:468-818	HM	✓	✓		✓	✓	✓	✓	✓	✓		✓						III	✓	✓	✓
Middle Manawatu (Mana_10)	Middle Manawatu (Mana_10a)	Manawatu River – <del>Upper Gorge to from</del> Teacher's College at approx. NZMS 260 (T24:331-892) to Upper Gorge at approx. NZMS 260 T24:494-933	HM	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓		✓	III		✓	✓	
	Upper Pohangina (Mana_10b)	Pohangina River – <del>source to from</del> Totara Reserve at approx. NZMS 260 (T23:534-167) to source	UHS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III	✓	✓	✓
	Middle Pohangina (Mana_10c)	Pohangina River – <del>Totara Reserve to from</del> Mais Reach at approx. NZMS 260 (T23:467-053) to Totara Reserve at approx. NZMS 260 T23:534-167	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓				III	✓	✓	✓
	Lower Pohangina (Mana_10d)	Pohangina River – <del>Mais Reach to from</del> Manawatu River confluence at approx. NZMS 260 (T24:450-966) to Mais Reach at approx. NZMS 260 T23:467-053	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓				✓	III		✓	✓	✓
	Aokautere (Mana_10e)	Aokautere Stream – <del>source to from</del> Manawatu River confluence at approx. NZMS 260 (T24:349-899) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓											✓
Lower Manawatu (Mana_11)	Lower Manawatu (Mana_11a)	Manawatu River – <del>Teacher's College to from</del> Oroua River confluence at approx. NZMS 260 (S24:167-826) to Teachers College at approx. NZMS 260 T24:331-892	HM	✓	✓		✓	✓	✓	✓	✓					✓		✓	III		✓	✓	✓
	Turitea (Mana_11b)	Turitea Stream – <del>source to from</del> Manawatu River confluence at approx. NZMS 260 (T24:304-881) to source	UHS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓				III	✓	✓	
	Kahuterawa (Mana_11c)	Kahuterawa Stream – <del>source to from</del> Manawatu River confluence at approx. NZMS 260 (S24:292-876) to source	UHS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓				III	✓	✓	

<b>Table AB.1: Surface Water<sup>A</sup> Management Values by Sub-zone*</b>																								
Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values									Site/Reach-specific Values												
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D	
	Upper Mangaone Stream (Mana_11d)	Mangaone Stream – <del>source to from</del> Milson Line at approx. NZMS 260 (T24:311-953) to source	LM	✓	✓		✓	✓	✓	✓	✓											✓	✓	
	Lower Mangaone Stream (Mana_11e)	Mangaone Stream – <del>Milson Line to from</del> Manawatu River confluence at approx. NZMS 260 (S24:283-872) to Milson Line at approx. NZMS 260 T24:311-953	LM	✓	✓		✓	✓	✓	✓	✓					✓						✓	✓	
	Main Drain (Mana_11f)	Main Drain catchment (including Taonui Stream) <del>to from</del> Manawatu River confluence (including Taonui Stream) at approx. NZMS 260 (S24:181-836) to source	LM	✓	✓		✓	✓	✓	✓	✓		✓										✓	✓
Oroua (Mana_12)	Upper Oroua (Mana_12a)	Oroua River – <del>source to from</del> Almadale at approx. NZMS 260 (T23:365-113) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					III	✓	✓	✓
	Middle Oroua (Mana_12b)	Oroua River – <del>Almadale from</del> Awahuri Bridge at approx. NZMS 260 (S23:243-002) to Almadale at approx. NZMS 260 T23:365-113	HM	✓	✓		✓	✓	✓	✓	✓					✓					III		✓	✓
	Lower Oroua (Mana_12c)	Oroua River – <del>Awahuri Bridge to from</del> Manawatu River confluence at approx. NZMS 260 (S24:167-826) to Awahuri Bridge at approx. NZMS 260 S23:243-002	LM	✓	✓		✓	✓	✓	✓	✓					✓			✓	III		✓	✓	✓
	Kiwritea (Mana_12d)	Kiwritea Stream – <del>source to from</del> Oroua River confluence at approx. NZMS 260 (T23:309-066) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓				✓						✓	✓	✓
	Makino (Mana_12e)	Makino Stream – <del>source to from</del> Oroua River confluence at approx. NZMS 260 (S23:243-004) to source	LM	✓	✓		✓	✓	✓	✓	✓		✓			✓					III	✓	✓	✓
Coastal Manawatu (Mana_13)	Coastal Manawatu (Mana_13a)	Manawatu River – <del>Oroua confluence to mouth at</del> approx. NZMS 260 (S24: 977-788) to Oroua River confluence at approx. NZMS 260 S24:167-826 (excluding the mainstem of the Manawatu River from the cross-river CMA boundary at NZMS 260 S24:2700963-6076686 seawards)	LM	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	III			✓	✓	
	Upper Tokomaru (Mana_13b)	Tokomaru River – <del>source to from</del> Horseshoe Bend at approx. NZMS 260 (S24:241-768) to source	UHS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III	✓	✓		

**Table AB.1: Surface Water<sup>A</sup> Management Values by Sub-zone\***

Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values										Site/Reach-specific Values										
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D
	Lower Tokomaru (Mana_13c)	<del>Tokomaru River – Horseshoe Bend to from</del> Manawatu River confluence at approx. NZMS 260 (S24:134-727) to Horseshoe Bend at approx. NZMS 260 S24:241-768	LM	✓	✓		✓	✓	✓	✓	✓		✓			✓				III	✓	✓	✓
	Mangaore (Mana_13d)	<del>Mangaore River – source to from</del> Manawatu River confluence at approx. NZMS 260 (S24:123-717) to source	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓						✓	✓
	Koputaroa (Mana_13e)	<del>Koputaroa Stream – source to from</del> Manawatu River confluence at approx. NZMS 260 (S24:106-708) to source	LM	✓	✓		✓	✓	✓	✓	✓		✓			✓							✓
	Foxton Loop (Mana_13f)	<del>Manawatu River at SH1 to from</del> downstream limit of Whirikino Cut at approx. NZMS 260 (S24:010-769) to SH1	LM	✓	✓		✓	✓	✓	✓	✓		✓				✓		✓				✓
Upper Rangitikei (Rang_1)	Upper Rangitikei (Rang_1)	<del>Rangitikei River – source to from</del> Makahikatoa Stream at approx. NZMS 260 (U21:726-888) to source	UHS	✓	✓		✓			✓	✓	✓	✓							I	✓	✓	
Middle Rangitikei (Rang_2)	Middle Rangitikei (Rang_2a)	<del>Rangitikei River – Makahikatoa Stream to from</del> Pukeokahu at approx. NZMS 260 (U21:713-708) to Makahikatoa Stream at approx. NZMS 260 U21:726-888	UHS	✓	✓		✓	✓	✓	✓	✓	✓								I	✓	✓	
	Pukeokahu – Mangaweka (Rang_2b)	<del>Rangitikei River main stem – Pukeokahu to from</del> Mangaweka at approx. NZMS 260 (T22:504-513) to Pukeokahu at approx. NZMS 260 U21:713-708	HM	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓				I	✓	✓	
	Upper Moawhango (Rang_2c)	<del>Moawhango River – source to from</del> Moawhango Dam at approx. NZMS 260 (T20:469-960) to source	UVA	✓	✓		✓			✓	✓	✓	✓			✓				III	✓	✓	
	Middle Moawhango (Rang_2d)	<del>Moawhango River – Dam to from</del> Moawhango Township at approx. NZMS 260 (T21:557-745) to Moawhango Dam at approx. NZMS 260 T20:469-960	UVM	✓	✓		✓			✓	✓	✓				✓				III	✓	✓	
	Lower Moawhango (Rang_2e)	<del>Moawhango River – Moawhango Township to from</del> Rangitikei River confluence at approx. NZMS 260 (T21:609-623) to Moawhango Township at approx. NZMS 260 T21:557-745	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓							III		✓	
	Upper Hautapu (Rang_2f)	<del>Hautapu River – source to from</del> Taihape at approx. NZMS 260 (T21:506-670) to source	UVM	✓	✓		✓	✓	✓	✓	✓	✓	✓				✓			II	✓	✓	



<b>Table AB.1: Surface Water<sup>A</sup> Management Values by Sub-zone*</b>																							
Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values										Site/Reach-specific Values										
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D
	Lower Hautapu (Rang_2g)	Hautapu River – <del>Taihape to from</del> Rangitikei River confluence at approx. NZMS 260 (T22:529-574) to Taihape at approx. NZMS 260 T21:506-670	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓				✓			III	✓	✓	
Lower Rangitikei (Rang_3)	Lower Rangitikei (Rang_3a)	Rangitikei River – <del>Mangaweka to from</del> Onepuhi at approx. NZMS 260 (S23:201- 222) to Mangaweka at approx. NZMS 260 T22:504-513	HM	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓		✓			II/II	✓	✓	✓
	Makohine (Rang_3b)	Makohine Stream – <del>source to from</del> Rangitikei River confluence at approx. NZMS 260 (T22:400-443) to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓									✓	✓	
Coastal Rangitikei (Rang_4)	Coastal Rangitikei (Rang_4a)	Rangitikei River – <del>Onepuhi to from</del> McKelvie at approx. NZMS 260 (S24:033-985) to Onepuhi at approx. NZMS 260 S23:201-222	HM	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓					III		✓	✓
	Tidal Rangitikei (Rang_4b)	Rangitikei River – <del>McKelvie to mouth at approx.</del> NZMS 260 (S24:991-984) to McKelvie at approx. NZMS 260 S24:033-985 (excluding the mainstem of the Rangitikei River from the cross-river CMA boundary at -NZMS 260 S23:2700960-6100119 seawards)	LM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			III		✓	✓
	Porewa (Rang_4c)	Porewa Stream – <del>source to from</del> Rangitikei River confluence at approx. NZMS 260 (S23:190-212) to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓									✓	✓	✓
	Tutaenui (Rang_4d)	Tutaenui Stream – <del>source to from</del> Rangitikei River confluence at approx. NZMS 260 (S23:101-095) to source	LM	✓	✓		✓	✓	✓	✓	✓	✓		✓			✓					✓	✓
Upper Whanganui (Whai_1)	Upper Whanganui (Whai_1)	Whanganui River – <del>source to from</del> Whakapapa River confluence at approx. NZMS 260 (S19:189-499) to source	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III	✓	✓	
Cherry Grove (Whai_2)	Cherry Grove (Whai_2a)	Whanganui River – <del>Whakapapa confluence to from</del> Cherry Grove at approx. NZMS 260 (S18:057-545) to Whakapapa River confluence at approx. NZMS 260 S19:189-499	UVM	✓	✓		✓	✓	✓	✓	✓	✓		✓			✓			III	✓	✓	✓
	Upper Whakapapa (Whai_2b)	Whakapapa River – <del>source to from</del> Footbridge at approx. NZMS 260 (S19:226-293) to source	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						II/III	✓	✓	
	Lower Whakapapa (Whai_2c)	Whakapapa River – <del>Footbridge to from</del> Whanganui River confluence at approx. NZMS 260 (S19:189-499) to Footbridge at approx. NZMS 260 S19:226-293	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓			II/III	✓	✓	

<b>Table AB.1: Surface Water<sup>A</sup> Management Values by Sub-zone*</b>																							
Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values										Site/Reach-specific Values										
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D
	Piopiotea (Whai_2d)	Piopiotea Stream – <del>source to from</del> Whakapapa River confluence at approx. NZMS 260 (S19:174-356) to source	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III	✓	✓	
	Pungapunga (Whai_2e)	Pungapunga River – <del>source to from</del> Whanganui River confluence at approx. NZMS 260 (S18:124-546) to source	UVM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III	✓	✓	
	Upper Ongarue (Whai_2f)	Ongarue River – <del>source to from</del> Waihuka Stream confluence at approx. NZMS 260 (S18:108-785) to source	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						II/III	✓	✓	
	Lower Ongarue (Whai_2g)	Ongarue River – <del>Waihuka Stream to from</del> Whanganui River confluence at approx. NZMS 260 (S18:056-547) to Waihuka Stream confluence at approx. NZMS 260 S18:108-785	UVM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓				✓		III	✓		
Te Maire (Whai_3)	Te Maire (Whai_3)	Whanganui River – <del>Cherry Grove to from</del> Te Maire at approx. NZMS 260 (S19:998-490) to Cherry Grove at approx. NZMS 260 S18:057-545	UVM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III			✓
Middle Whanganui (Whai_4)	Middle Whanganui (Whai_4a)	Whanganui River – <del>Te Maire to from</del> Retaruke River confluence (Wades Landing/Whakahore) at approx. NZMS 260 (R19:886-306) to Te Maire at approx. NZMS 260 S19:998-490	UVM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III			
	Upper Ohura (Whai_4b)	Ohura River – <del>source to from</del> Tokorima at approx. NZMS 260 (R18:863-521) to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓								✓	
	Lower Ohura (Whai_4c)	Ohura River – <del>Tokorima to from</del> Whanganui River confluence at approx. NZMS 260 (R19:887-386) to Tokorima at approx. NZMS 260 R18:863-521	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓									
	Retaruke (Whai_4d)	Retaruke River – <del>source to from</del> Whanganui River confluence at approx. NZMS 260 (R19:890-309) to source	UVM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III	✓		
Pipiriki (Whai_5)	Pipiriki (Whai_5a)	Whanganui River – <del>Retaruke confluence to from</del> Pipiriki at approx. NZMS 260 (R21:859-897) to Retaruke River confluence at approx. NZMS 260 R19:886-306	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III			
	Tangarakau (Whai_5b)	Tangarakau River – <del>source to from</del> Whanganui River confluence at approx. NZMS 260 (R20:714-175) to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓									

**Table AB.1: Surface Water<sup>A</sup> Management Values by Sub-zone\***

Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values										Site/Reach-specific Values										
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D
	Whangamomona (Whai_5c)	Whangamomona River – <del>source to</del> from Whanganui River confluence at approx. NZMS 260 (R20:731-130) to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓									
	Upper Manganui o te Ao (Whai_5d)	Manganui o te Ao River – <del>source to</del> Hoihenga Road (S20:047-077) from Makatote River confluence at approx. NZMS 260 S20:129-120 to source	UVA	✓	✓		✓				✓	✓	✓	✓						I	✓		
	Makatote (Whai_5e)	Makatote River from Manganui o te Ao River confluence at approx. NZMS 260 S20:129-120 to source	UVA	✓	✓		✓			✓	✓	✓	✓	✓						I	✓		
	Waimarino (Whai_5f)	Waimarino Stream from Makatote River confluence at approx. NZMS 260 S20:129-120 to source	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						I			
	Middle Manganui o te Ao (Whai_5g)	Manganui o te Ao River from Hoihenga Road at approx. NZMS 260 S20:047-077 to Makatote River confluence at approx. NZMS 260 S20:129-120	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						I	✓		
	Mangaturuturu (Whai_5h)	Mangaturuturu River from Manganui o te Ao River confluence at approx. NZMS 260 S20:057-067 to source	UVA	✓	✓		✓			✓	✓	✓	✓	✓						I			
	Lower Manganui o te Ao (Whai_5ej)	Manganui o te Ao River – <del>Hoihenga Road to</del> from Whanganui River confluence at approx. NZMS 260 (R20:861-979) to Hoihenga Road at approx. NZMS 260 S20:047-077	UVM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						I	✓		
	Orautoha (Whai_5i)	Orautoha Stream from Manganui o te Ao River confluence at approx. NZMS 260 S20:026-067 to source	UVM	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						I	✓		
	Paetawa (Whai_6)	Whanganui River – <del>Pipiriki to</del> from Paetawa at approx. NZMS 260 (S22:937-566) to Pipiriki at approx. NZMS 260 R21:859-897	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓					III		✓	
	Lower Whanganui (Whai_7)	Whanganui River – <del>Paetawa to</del> from Aramoho Bridge at approx. NZMS 260 (R22:858-420) to Paetawa at approx. NZMS 260 S22:937-566	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			III			✓

Table AB.1: Surface Water <sup>A</sup> Management Values by Sub-zone*																							
Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values									Site/Reach-specific Values											
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS	FC/D
Coastal Whanganui (Whai_7b)	Coastal Whanganui (Whai_7b)	Whanganui River – <del>Aramoho Bridge to mouth at approx. NZMS 260 (R22:797-328) to Aramoho Bridge at approx. NZMS 260 R22:858-420 (excluding the mainstem of the Whanganui River from the cross-river CMA boundary at NZMS 260 R22:2684857-6138015 seawards)</del>	LM	✓	✓		✓	✓	✓	✓	✓					✓	✓	✓		III			✓
	Upokongaro (Whai_7c)	Upokongaro River – <del>source to from Whanganui River confluence at approx. NZMS 260 (S22:908-463) to source</del>	HSS	✓	✓		✓	✓	✓	✓	✓		✓										
	Matarawa (Whai_7d)	Matarawa River – <del>source to from Whanganui River confluence at approx. NZMS 260 (R22:857-403) to source</del>	HSS	✓	✓		✓	✓	✓	✓	✓				✓	✓	✓						✓
Upper Whangaehu (Whau_1)	Upper Whangaehu (Whau_1a)	Whangaehu River – <del>source to from Karioi at approx. NZMS 260 (S21:218-864) to source</del>	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓								
	Waitangi (Whau_1b)	Waitangi Stream – <del>source to from Whangaehu River confluence at approx. NZMS 260 (T21:316-888) to source</del>	UVM	✓	✓		✓	✓	✓	✓	✓									III	✓	✓	
	Tokiahuru (Whau_1c)	Tokiahuru Stream – <del>source to from Whangaehu River confluence at approx. NZMS 260 (S21:219-865) to source</del>	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓					III	✓		
Middle Whangaehu (Whau_2)	Middle Whangaehu (Whau_2)	Whangaehu River – <del>Karioi to from Aranui at approx. NZMS 260 (S21:175-627) to Karioi at approx. NZMS 260 S21:218-864</del>	HSS	✓	✓		✓	✓	✓	✓	✓												
Lower Whangaehu (Whau_3)	Lower Whangaehu (Whau_3a)	Whangaehu River – <del>Aranui to from Kauangaroa at approx. NZMS 260 (S22:045-397) to Aranui NZMS 260 S21:175-627 (including the Mangawhero River from Raupiu Road to Whangaehu River confluence to Raupiu Road at approx. NZMS 260 S21:099-646)</del>	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III			✓
	Upper Makotuku (Whau_3b)	Makotuku River – <del>source to Water from water supply weir at approx. NZMS 260 (S20:103-011) to source</del>	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓							III	✓	✓	
	Lower Makotuku (Whau_3c)	Makotuku River – <del>Water supply weir to from Mangawhero River confluence at approx. NZMS 260 (S20:080-903) to water supply weir at approx. NZMS 260 S20:103-011</del>	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III	✓		

<b>Table AB.1: Surface Water<sup>A</sup> Management Values by Sub-zone*</b>																							
<b>Water Management Zone*</b>	<b>Sub-zone*</b>	<b>Sub-zone* Description<sup>1</sup></b>	<b>Zone-wide Values</b>										<b>Site/Reach-specific Values</b>										
			<b>LSC</b>	<b>AE</b>	<b>CR</b>	<b>SG</b>	<b>Mau</b>	<b>IA<sup>2</sup></b>	<b>I<sup>2</sup></b>	<b>SW</b>	<b>EI</b>	<b>CAP<sup>3</sup></b>	<b>NS</b>	<b>SOS-A</b>	<b>SOS-R</b>	<b>NFS IS</b>	<b>Am</b>	<b>NF WM</b>	<b>SOS-C</b>	<b>TF</b>	<b>TS</b>	<b>WS</b>	<b>FC/D</b>
	Upper Mangawhero (Whau_3d)	Mangawhero River – <del>source to from</del> Makotuku River confluence at approx. NZMS 260 (S20:080-903) to source	UVA	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓			III	✓	✓	✓
	Lower Mangawhero (Whau_3e)	Mangawhero River – <del>Makotuku confluence to from</del> Raupiu Road at approx. NZMS 260 (S21:099-646) to Makotuku River confluence at approx. NZMS 260 S20:080-903	HSS	✓	✓		✓	✓	✓	✓	✓		✓						III				
	Makara (Whau_3f)	Makara Stream from unnamed tributary confluence at approx. NZMS 260 S20:065-992 to source	UVA	✓	✓		✓			✓	✓	✓	✓							III	✓		
<b>Coastal Whangaehu (Whau_4)</b>	Coastal Whangaehu (Whau_4)	Whangaehu River – <del>Kauangaroa to mouth at approx.</del> NZMS 260 (R23:890-275) to Kauangaroa at approx. NZMS 260 S22:045-397 (excluding the mainstem of the Whangaehu River from the cross-river CMA boundary at NZMS 260 S23:2690359-6128748 seawards)	HSS	✓	✓		✓	✓	✓	✓	✓				✓	✓	✓	✓					✓
<b>Turakina (Tura_1)</b>	Upper Turakina (Tura_1a)	Turakina River – <del>source to from</del> Otairi at approx. NZMS 260 (S22:236-471) to source	HSS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓									
	Lower Turakina (Tura_1b)	Turakina River – <del>Otaire to mouth at approx.</del> NZMS 260 (S23:924-231) to Otairi at approx. NZMS 260 S22:236-471 (excluding the mainstem of the Turakina River from the cross-river CMA boundary at NZMS 260 S23:2692145-6125465 seawards)	HSS	✓	✓		✓	✓	✓	✓	✓				✓	✓	✓	✓					✓
	Ratana (Tura_1c)	Lakes Waipu and Oraekomiko and all surrounding catchment area	LM	✓	✓		✓	✓	✓	✓	✓												
<b>Ohau (Ohau_1)</b>	Upper Ohau (Ohau_1a)	Ohau River – <del>source to from</del> Rongomatane at approx. NZMS 260 (S25:072-577) to source	UHS	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						III	✓	✓	✓
	Lower Ohau (Ohau_1ba)	Ohau River – <del>Rongomatane to mouth at approx.</del> NZMS 260 (S25:918-578) to Rongomatane at approx. NZMS 260 S25:072-577 (excluding the mainstem of the Ohau River from the cross-river CMA boundary at NZMS 260 S25:2692921-6059503 seawards)	HM	✓	✓		✓	✓	✓	✓	✓				✓	✓	✓	✓		III	✓	✓	✓

Table AB.1: Surface Water <sup>A</sup> Management Values by Sub-zone*																						
Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values									Site/Reach-specific Values										
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS
Owahanga (Owha_1)	Owahanga (Owha_1)	Owahanga River – source to mouth at approx. NZMS 260 (U25:932-532) to source (excluding the mainstem of the Owahanga River from the cross-river CMA boundary at NZMS 260 U25:2792204-6053185 seawards)	HSS	✓	✓		✓	✓	✓	✓	✓											
East Coast (East_1)	East Coast (East_1)	Wainui, Tautane and Waimata – whole catchments from source to mouth (excluding the mainstem of the Wainui River from the cross-river CMA boundary at NZMS 260 V24:2811596-6073518 seawards)	HSS	✓	✓		✓	✓	✓	✓	✓											
Akitio (Akit_1)	Upper Akitio (Akit_1a)	Akitio River – source to from Weber Road at approx. NZMS 260 (U24:919-832) to source	HSS	✓	✓		✓	✓	✓	✓	✓											✓
	Lower Akitio (Akit_1b)	Akitio River – Weber Road to mouth at approx. NZMS 260 (U25:992-610) to Weber Road at approx. NZMS 260 U24:919-832 (excluding the mainstem of the Akitio River from the cross-river CMA boundary at NZMS 260 U25:2799657-6061852 seawards)	HSS	✓	✓		✓	✓	✓	✓	✓						✓	✓				✓
	Waihi (Akit_1c)	Waihi Stream – source to from Akitio River confluence at approx. NZMS 260 (U24:895-801) to source	HSS	✓	✓		✓	✓	✓	✓	✓											✓
Northern Coastal (West_1)	Northern Coastal (West_1)	All coastal catchments and dune lakes between Kai Iwi and Waitotara catchments	LM	✓	✓		✓	✓	✓	✓	✓					✓	✓					
Kai Iwi (West_2)	Kai Iwi (West_2)	Kai Iwi Stream – source to mouth at approx. NZMS 260 (R23:723-449) to source (excluding the mainstem of the Kai Iwi Stream from the cross-river CMA boundary at NZMS 260 R22:2672262-6145059 seawards)	HSS	✓	✓		✓	✓	✓	✓	✓					✓	✓					✓
Mowhanau (West_3)	Mowhanau (West_3)	Mowhanau Stream – source to mouth at approx. NZMS 260 (R22:725-447) to source (excluding the mainstem of the Mowhanau Stream from the cross-river CMA boundary at NZMS 260 R22:2672640-6144895 seawards)	LM	✓	✓		✓	✓	✓	✓	✓					✓	✓					
Kaitoke Lakes (West_4)	Kaitoke Lakes (West_4)	Lakes Kaitoke, Pauri, Wiritoa, Kohata and all surrounding catchment area	LM	✓	✓		✓	✓	✓	✓	✓					✓	✓			III		✓

<b>Table AB.1: Surface Water<sup>A</sup> Management Values by Sub-zone*</b>																						
Water Management Zone*	Sub-zone*	Sub-zone* Description <sup>1</sup>	Zone-wide Values										Site/Reach-specific Values									
			LSC	AE	CR	SG	Mau	IA <sup>2</sup>	I <sup>2</sup>	SW	EI	CAP <sup>3</sup>	NS	SOS-A	SOS-R	NFS IS	Am	NF WM	SOS-C	TF	TS	WS
Southern Whanganui Lakes (West_5)	Southern Whanganui Lakes (West_5)	Lakes Vipan, Heaton, Bernard, William, Herbert, Hickson, Alice, Koitiata, Dudding and all surrounding catchment area	LS	✓	✓		✓	✓	✓	✓	✓			✓			✓	✓				✓
Northern Manawatu Lakes (West_6)	Northern Manawatu Lakes (West_6)	All lakes and lagoons between Coastal Rangitikei and Coastal Manawatu and all surrounding catchment area	LS	✓	✓		✓	✓	✓	✓	✓			✓			✓	✓				✓
Waitare (West_7)	Waitare (West_7)	All lakes and lagoons between Coastal Manawatu and Lake Horowhenua catchment and all surrounding catchment area	LS	✓	✓		✓	✓	✓	✓	✓						✓					
Lake Papaitonga (West_8)	Lake Papaitonga (West_8)	Lake Papaitonga catchment	LS	✓	✓		✓	✓	✓	✓	✓			✓			✓	✓				✓
Waikawa (West_9)	Waikawa (West_9a)	Waikawa Stream – source to mouth at approx. NZMS 260 (S25:908-548) to source (excluding the mainstem of the Waikawa Stream from the cross-river CMA boundary at NZMS 260 S25:2691531-6055429 seawards )	HM	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓						✓	✓
	Manakau (West_9b)	Manakau Stream from Waikawa Stream confluence at approx. NZMS 260 S25:946-549 to source	HM	✓	✓		✓	✓	✓	✓	✓		✓									✓
Lake Horowhenua (Hoki_1)	Lake Horowhenua (Hoki_1a)	Whole lake catchment above Hoki Stream outlet	LM	✓	✓		✓	✓	✓	✓	✓			✓								✓
	Hoki (Hoki_1b)	Hoki Stream downstream of Lake Horowhenua outlet (excluding the mainstem of the Hoki Stream from the cross-river CMA boundary at NZMS 260 S25:2694967-6065799 seawards)	LS	✓	✓		✓	✓	✓	✓	✓						✓	✓				✓
Coastal Marine Area	Coastal Marine Area – West Coast (West Coast)	Coastal Marine Area – West Coast	Sea		✓	✓	✓							✓			✓	✓				
	Coastal Marine Area – East Coast (East Coast)	Coastal Marine Area – East	Sea		✓	✓	✓							✓			✓	✓				

[Formerly POP Table D.2 at D-3 to D-10]

