

Attachment 2 – Checklist A2 – Information Requirement Table for Standard Freshwater Fisheries Activity

Checklist A2 – Standard Freshwater Fisheries Activity

A. Bridges / Box-Culvert Crossings

Sch 9 cl.	Information requirement	Where addressed	Gap / Possible Action
3(a)(i)	Type of works	EcIA §4.1 – “bridges (open-bottom box culverts) over streams”	None
3(a)(ii)	Dimensions	Civil drawings set (bridge schedule)	Tonkin Taylor SW Assessment Report (Table 5.3).
3(a)(iii)	Design details – fish passage	EcIA §2.1 commitment to NZ Fish Passage Guidelines; EcIA Table 6.1 mitigation	None
3(a)(iv)	Location	EcIA Fig 2.1	None
3(a)(v)	Water-flows & velocities	Tonkin Taylor SW Assessment Report (Table 5.2)	None
3(a)(vi)	Operating / maintenance regime	EcIA §6.1.1.2; Table 6.1 – annual inspection & debris clearance	None
3(b)	Species present	Fish Survey Report & EcIA Table 3.7 – īnanga, shortfin eel, kōura	None
3(c)	Water quality / quantity baseline	EcIA Table 3.3 (quality); design flows in T&T hydraulic memo (quantity)	Tonkin Taylor SW Assessment Report

3(d)	How fish passage maintained	Open-bottom design, natural bed, no vertical drops – EcIA §5; sediment & timing controls – Table 6.1 and ESCP Report	None - Same as see 3(a)(iii)).
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B. Stream Realignments & Reclamation

Sch 9 cl.	Information requirement	KHT 1 (630 m)	KHT 3 (140 m)	KHT 4 (340 m)	KHT 2 Reclamation	Where addressed / Gap / Possible Action
3(a)(i)	Type of works	Offline new channel, then diversion	Same as KHT1	Same as KHT1	Channel infilled; flow piped	EcIA §4.3 and Table 5.1; Southernskies 7. Erosion & Sediment Control Assessment Report)
3(a)(ii)	Key dimensions / slope	630 m L × 2 m W; 0.8 % slope	140 m L × 1 m W; 1 % slope	340 m L × 1 m W; 1 % slope	N/A	EcIA §6.1.3.1 and associated table.
3(a)(iii)	Design details – habitat & riparian	Run-riffle-pool, boulder vanes, ≥20 m buffer,	Riffle-pool, ≥10 m buffer	Riffle-pool, ≥10 m buffer	Offset provided via surplus habitat	RMM (16.2A Landscape Design Report)
3(a)(iv)	Location	EcIA Fig 2.1 (existing) and 6.1 (proposed)	Same	Same	Same	EcIA Fig 2.1 (existing) and 6.1 (proposed)
3(a)(v)	Design flows	Maintain/improve existing baseflow	Scaled from catchment area	Scaled from catchment area	N/A	Tonkin Taylor SW Assessment Report

		(T&T hydraulic memo)				
3(a)(vi)	O&M / monitoring	Annual & 5-yr survey; adaptive triggers	Same	Same	Offset monitoring only	EcIA §6 and to be detailed in Stream Restoration Plan
3(b)	Species present	Olleyecology Fish Survey Report (Appendix G; EcIA) Shortfin eel, īnanga, kōura, kaharore bullies	Likely similar assemblage as KHT4	Shortfin eel, kōura	Likely similar assemblage as KHT4	Olleyecology Fish Survey Report (Appendix G; EcIA)
3(c)	Water-quality & quantity baseline	Table 3.3; flows in memo	Same	Same	N/A	EcIA and associated appendices (3.1 Appendix E: Cawthron Kākā Stream Water Quality Report)
3(d)	Fish passage provision	Natural-grade channel; width ≥1.3×bed; no barriers.	Same	Same	Not relevant (reclamation)	EcIA commits to NZ Fish Passage Guidelines 2018.