

## Envirolink Tools - 1 to 30 July 2018

No.	<b>Tools Round 1</b>	<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>Status to 30 July 2018</b>
R1-1	Stream habitat assessment	Trevor James	168750	U of C	<b>completed - on website</b>
R1-2	Threatened environment	Rob Phillips	105000	LCR	<b>completed - on Landcare website</b>
R1-3	River management	Brin Williman	168750	NIWA	<b>completed</b>
R1-4	Extending clues	Reece Hill, Jon Roygard	168750	NIWA	<b>completed - on NIWA website</b>
R1-6	Stream restoration	Kevin Collier	168750	NIWA	<b>completed - on website</b>
R1-7	LUC handbook	Garth Eyles Greg Carlyon	360000	AgRes	<b>completed - link on website</b>

(tool meeting 5 May 06; list approved by FRST on 12 June 06)

No.	<b>Tools Round 2</b>	<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>Status to 30 July 2018</b>
R2-1	Fish monitoring protocol	Bruno David - as of Mar 09	168750	MU	<b>completed - on website</b>
R2-2	Land and soil monitoring - SINDI	Reece Hill + Amy Taylor	112500	LCR	<b>completed - link on website</b>
R2-3	Pest management prioritisation VPDS	Richard Bowman	168750	LCR	<b>completed - link on website</b>
R2-4	Aquifer monitoring framework	Ed Brown David Scott	112500	LVL	<b>completed - part on website</b>

(tool meeting 13 Nov 06; list approved by FRST on 30 Jan 07)

No.	<b>Tools Round 3</b>	<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>Status to 30 July 2018</b>
R3-2	Coastal hazard assessment	Mike Adye - Hazard	185625	NIWA	<b>completed - on website</b>
R3-3	Virus tool for groundwater protection	was Viv Smith; now Susie O	247500	ESR	<b>completed - on website</b>

(tool meeting 25 June 07; list approved by FRST 23 July 07)

No.	<b>Tools Round 4</b>	<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>Status to 30 July 2018</b>
R4-1	Sedimentation and instream values	Summer Warr - SWIM	168750	Cawthron	<b>Completed - on website</b>
R4-2	Uses and values of water bodies	Mary-Anne Baker - SWIM	168750	LU	<b>completed - on website</b>
R4-3	Incentives for air quality	Fleur Tiernan - NAQWG	225000	NIWA	<b>completed - on website</b>
R4-4	Guidelines for artificial lakes	Adrian Meredith - SWIM	90000	NIWA	<b>completed - on website</b>
R4-6	Coastal habitat	Jarrold Walker - Coastal	270000	NIWA	<b>completed - on website</b>

(tool meeting 19 Nov 07; final GC list 18 Dec 07; list approved by FRST 10 April 08)

<b>Tools Round 5</b>		<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>to 30 July 2018</b>
R5-1	S-map - Soil data tool to underpin dairy farm management	Jeremy Cuff, Reece Hill - LMF	281300	LCR	<b>completed - link on website</b>
R5-2	NZ land use database and classification	Reece Hill, Jeremy Cuff - LMF	225000	LCR	<b>completed - link on website</b>
R5-3	Microbial source tracking for faecal contamination of coastal catchments.	Jarrold Walker - Coastal	308250	Cawthron	<b>Completed - report on website</b>
R5-4	Characterising dairy sludges and slurries	Rachael Millar - SWIM	135000	AgRes	<b>Completed - report on website</b>
R5-5	Update in-stream plant and nutrient guidelines	Summer Warr (was Kate Mc)	112500	NIWA	<b>Completed - report on website</b>

(tool meeting 25 Nov 08; final GC list 5 Dec 08; list approved by FRST 25 Mar 09)

<b>Tools Round 6</b>		<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>to 30 July 2018</b>
R6-1	Pest management outcomes	Campbell Leckie BMG	186000	LCR	<b>completed - link on website</b>
R6-2	Capture zone guidelines for hydrological features	John Hadfield - GWF	169000	GNS	<b>completed - 11/4/14 on website</b>
R6-3	Soil quality indicators: the next generation	Reece Hill - LMF	208,000	AgRes	<b>Completed - report on website</b>

(tool meeting 12 Oct 09; final GC list 29 Oct 09; FRST notification of approval 7 Dec 09)

<b>Tools Round 7</b>		<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>to 30 July 2018</b>
R7-1	Risk-based planning	Lisa Pearse - Hazards	230000	GNS	<b>completed on website</b>
R7-2	Monitoring terrestrial biodiversity	Fleur Maseyk + Kevin Collins - BMG/BTG	230000	LCR	<b>completed on website</b>
R7-3	Web-based tool for managing all relevant spatial tools	Beat Huser and Steve Markham - Policy	115,000	Massey	<b>completed on website</b>

(tool meeting 13 Nov 10; final GS list 18 Nov 10; FRST notification of approval 23 Dec 10)

<b>Tools Round 8</b>		<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>to 30 July 2018</b>
R8-1	National environmental monitoring standards	Jeff Watson + Rob Christie LAEMG	103500	NIWA	<b>completed draft on website</b>
R8-2	Maximising the effectiveness of farm plans	Tony Faulkner LMG	230000	NIWA	<b>completed on website</b>
R8-3	Guidelines for monitoring land fragmentation	Amy Taylor + Andrew Burton LMF	241500	LCR	<b>completed on website</b>

(tool meeting 27 Oct 11; Final GC list 4 Nov 11; MSI notification of approval 29 Nov 11)

<b>Tools Round 9</b>		<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>to 30 July 2018</b>
R9-1	Regional flood estimation in New Zealand	Gary Clode - River Managers, Martin Doyle LAEMG	172500	NIWA	<b>Report on website - but NIWA using own funds to continue work on the tool</b>
R9-2	Interoperable S-map	Colin Gray + Barry Lynch - LMF, Lisa Pearse - Hazards	230000	LCR	<b>completed on website</b>
R9-3	Review of the New Zealand instream plant and nutrient guidelines and development of an extended decision making framework: Phase 3 (tool meeting 29 Oct 12; Final GC list 6 Nov 12; MSI notification of approval 8	Graham Sevicke-Jones SWIM	172500	NIWA	<b>completed on website</b>

<b>Tools Round 10</b>		<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>to 30 July 2018</b>
R10-1	Estuarine Trophic Index	Anna Madarasz-Smith - Coastal	287,500	NIWA - Mal Green	<b>completed on website</b>
R10-4	Background concentrations and soil guideline values for the protection of ecological receptors (tool meeting 4 Nov 2013; GC list 14 Nov 2013; MBIE approval 23 Jan 2014)	Dominique Noiton - Waste & Contaminated Land Forum	253,000	LCR - Jo Cavannah	<b>completed on website</b>
		Total allocated	#####	incl gst	

<b>Tools Round 11</b>		<b>Champion</b>	<b>\$ inc GST</b>	<b>Provider</b>	<b>to 30 July 2018</b>
R11-2	NEMS water quality standard	Jeff Watson Simon Tredgett (AC) - LAEMG Jim Price (PM)	172500	NIWA	<b>final draft being proofed as of 9/10/17</b>
R11-5	Upgrade NZ high intensity rainfall design system (HIRDS)	Jeff Watson, Gary Clode - Rivers, LAEMG, HMG	402500	NIWA - Graeme Horrell	<b>Report not satisfactory - see e-mail from Nick Brown 6/4/18</b>
	(tool meeting 22 Oct 2014; GC list 3 Nov 2014; MBIE approval 23 Feb 2015)				

<b>Tools Round 12</b>				<b>to 30 July 2018</b>
		<b>Champion</b>	<b>\$ inc GST Provider</b>	
R12-1	Aquatic weed management best practice guide	Don McKenzie (BMG)	225400 NIWA	<b>on track - good progress - as of 9/5/18</b>
R12-2	A review of the marine contact recreation water and shellfish gathering guidelines.	Anna M-S (Coastal)	115000 NIWA	<b>expected June 2018</b>
R12-3	Development of a national fish passage assessment protocol and data management tools	Trevor James (SWIM)	166750 NIWA	<b>on track - good progress - as of 9/10/17</b>
R12-4	Protocol and methodology standards for farm scale soil mapping (tool meeting 22 Oct 2015; GC list 5 Feb 2016; MBIE approval 9 May 2016)	Karen Wilson (LMF)	67850 LCR	<b>completed on website</b>

<b>Tools Round 13</b>				<b>to 30 July 2018</b>
		<b>Champion</b>	<b>\$ inc GST Provider</b>	
R13-1	Cost effective tools for monitoring urban waters	C Conwell M Cameron T Davie R Hodson (SWIM)	172500 NIWA (Gadd and Moores)	<b>projects underway</b>
R13-2	Interoperable modelling systems for integrated land and water management	T Davie (SWIM)	115000 NIWA (Elliott)	cancelled - looking for other ways to fund
R13-3	Mobile technology to enhance public participation in weed surveillance	R Milne (BMG)	172500 Scion (Pawson)	<b>projects underway</b>
R13-4	Improving Uptake of Decision Support System (DSS) Tools	B Huser (Policy)	57500 LCR	<b>projects underway</b>
R13-5	Wetland Delineation: Soil Tool Development (tool meeting 20 Oct 2016; GC list 30 Nov 2016; MBIE approval 12 May 2017)	R Smith (BMG)	57500 LCR	<b>projects underway</b>