

## Envirolink Tools - to 29 June 2024

Status

No.	<b>Tools Round 1</b>	<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</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>G Provider</b>	<b>to 29 June 2024</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>G Provider</b>	<b>to 29 June 2024</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>G Provider</b>	<b>to 29 June 2024</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>
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(tool meeting 19 Nov 07; final GC list 18 Dec 07; list approved by FRST 10 April 08)

### Tools Round 5

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</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)

### Tools Round 6

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</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)

### Tools Round 7

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</b>
R7-1	Risk-based planning	Lisa Pearce - 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)

### Tools Round 8

<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</b>
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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)

### Tools Round 9

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</b>
R9-1	Regional flood estimation in New Zealand	Gary Clode - River Managers, Martin Doyle LAEMG	172500	NIWA	<b>completed on website</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	Graham Sevicke-Jones SWIM	172500	NIWA	<b>completed on website</b>

(tool meeting 29 Oct 12; Final GC list 6 Nov 12; MSI notification of approval 8 February)

### Tools Round 10

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</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	Dominique Noiton - Waste & Contaminated Land Forum	253,000	LCR - Jo Cavannagh	<b>completed on website</b>

(tool meeting 4 Nov 2013; GC list 14 Nov 2013; MBIE approval 23 Jan 2014)

### Tools Round 11

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</b>
R11-2	NEMS water quality standard	Jeff Watson Simon Tredgett (AC) - LAEMG Jim Price (PM)	172500	NIWA	<b>completed on website</b>

R11-5	Upgrade NZ high intensity rainfall design system (HIRDS)	Jeff Watson, Gary Clode - Rivers, LAEMG, HMG	402500	NIWA - Graeme Horrell	<b>completed on website</b>
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(tool meeting 22 Oct 2014; GC list 3 Nov 2014; MBIE approval 23 Feb 2015)

### Tools Round 12

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</b>
R12-1	Aquatic weed management best practice guide	Don McKenzie (BMG)	225400	NIWA	<b>completed on website</b>
R12-2	A review of the marine contact recreation water and shellfish gathering guidelines.	Anna M-S (Coastal)	115000	NIWA	<b>completed on website</b>
R12-3	Development of a national fish passage assessment protocol and data management tools	Trevor James (SWIM)	166750	NIWA	<b>Completed link to NIWA site</b>
R12-4	Protocol and methodology standards for farm scale soil mapping	Karen Wilson (LMF)	67850	LCR	<b>completed on website</b>

(tool meeting 22 Oct 2015; GC list 5 Feb 2016; MBIE approval 9 May 2016)

### Tools Round 13

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</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>completed on website</b>
R13-3	Mobile technology to enhance public participation in weed surveillance	R Milne (BMG)	172500	Scion (Pawson)	<b>completed - tool available on internet</b>
R13-4	Improving Uptake of Decision Support System (DSS) Tools	B Huser (Policy)	57500	LCR	<b>completed - website updated</b>
R13-5	Wetland Delineation: Soil Tool Development	R Smith (BMG)	57500	LCR	<b>completed on website</b>

(tool meeting 20 Oct 2016; GC list 30 Nov 2016; MBIE approval 12 May 2017)

### Tools Round 14

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</b>
R14-1	Molecular tool for detecting fish species in freshwater	Ebrahim Hussein (SWIM) - now Andy Hicks	299000	Cawthron	<b>completed on website</b>
R14-2	Satellite MODUS-Aqua Coastal Water Quality Tool	Megan Oliver Melissa Foley Steve Urlich (Coastal)	126500	NIWA	<b>completed on website</b>

R14-3	Measurement of total flow in weedy lowland streams	Mike Ede (Env Data) Thomas Wilding (SWIM)	149500	NIWA	<b>completed on website</b>
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(tool meeting 19 Oct 2017; GC list 7 Dec 2017; MBIE approval 25 June 18)

### Tools Round 15

	Champion	\$ inc GST	G Provider	to 29 June 2024	
R15-2	Aerial survey system to quantify toxic cyanobacteria cover	SWIM: Mark Heath (GW), Shirley Hayward (ECAN), Roger Hodson (ES)	253000	NIWA: Hamish Biggs, Jo Bind, Cathy Kilroy, Karl Safi	<b>completed on website</b>
R15-1	A collaborative satellite data workspace for regional councils	LMF: Reece Hill (WRC), Nancy Golubiewski (AC)	322000	GNS: Rogier Westerhoff	<b>completed on website</b>

(Tool committee meeting 25 Oct 2018; GC meeting 5 Nov 2019; MBIE approval 6 June 2019)

### Tools Round 16

	Champion	\$ inc GST	G Provider	to 29 June 2024	
R16-1	Microbial Risk Assessment tool for discharges near drinking water wells.	GF – Carl Hanson, Lisa Scott (ECAN)	218500	ESR + GNS	<b>completed on website</b>
R16-3	Surrogate technologies for river suspended sediment load monitoring	ED - Brent Watson (HRC); Nicholas Holwerda (AC)	155250	NIWA	<b>completed on website</b>
R16-4	Monitoring and evaluation of riverine flow management under the NPS-FM	SWIM – Paul Fisher (NCC); Susie Osbalditson (NRC)	201250	NIWA + Cawthron	<b>completed on website</b>

(tool meeting 24 Oct 2019; GC meeting 16 Nov 2019; MBIE approval 18 June 2020)

### Tools Round 17

	Champion	\$ inc GST	G Provider	to 29 June 2024	
R17-2	Taxonomic resource for soft sediment estuarine and coastal macroinvertebrates	CSIG - Megan Oliver (GW); Michael Townsend	172500	NIWA + Cawthron	<b>completed - link to NIWA on website</b>

<b>R17-4</b>	National Quality Assurance Framework for Community-Based Monitoring	SWIM - Sheryl Miller; Sandy Haidekker; Shirley Hayward	230000	NIWA	<b>Completed on website</b>
<b>R17-1</b>	National Works in Waterways Guideline	Duncan Gray (ECAN) Jarred Arthur (ECAN)	172500	UCAN	<b>contracted from 1 July 2022 - slow</b>

(tool meeting 20 Oct 2020; GC meeting 12 Nov 2020; MBIE approval 22 June 2021)

### Tools Round 18

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</b>
R18-2	Stocking NZ's molecular library for eDNA monitoring	Bruno David (WRC) and more	299,920	Massey Univ	<b>contracted from 1 July 2022</b>
R18-1	Implementation of ecological soil guideline values and sustainable soil management of 'surplus' soils	Jonathan Caldwell (WRC) and more	148,350	MWLR	<b>completed on website</b>
R18-4	Enabling flexibility and connectivity in land use classifications for state of the environmental soil quality monitoring	Haydon Jones (WRC) and more	105,800	MWLR	<b>completed on website</b>

(tool meeting 12 Oct 2021; GC meeting 9 Nov 2021; MBIE approval 3 June 2022)

to Round 18 11797620  
63 tools 11.80 million

### Tools Round 19

		<b>Champion</b>	<b>\$ inc GST</b>	<b>G Provider</b>	<b>to 29 June 2024</b>
R19-4	High frequency water quality monitoring – design, planning and implementation guidance	Ed Brown (WRC) Coral Grant (AC)	291640	NIWA: Lucy McKergow	<b>contracted from 1 July 2023</b>
R19-2	Mapping and ground-truthing the extent of naturally uncommon ecosystems	Scott Jarvie (ORC) Roger Uys (GW)	282900	MWLR: Adrian Monks	<b>contracted from 1 July 2023</b>