

Envirolink Tools - to 31 October 2024

Status

| No. | Tools Round 1 | Champion | \$ inc GST | : G | Provider | to 31 October 2024 |
|------|---------------------------|-----------------------------|-------------------|------------|-----------------|--|
| R1-1 | Stream habitat assessment | Trevor James | 168750 | # | U of C | completed - on website |
| R1-2 | Threatened environment | Rob Phillips | 105000 | | LCR | completed - on Landcare website |
| R1-3 | River management | Brin Williman | 168750 | | NIWA | completed |
| R1-4 | Extending clues | Reece Hill, Jon Roygard | 168750 | # | NIWA | completed - on NIWA website |
| R1-6 | Stream restoration | Kevin Collier | 168750 | # | NIWA | completed - on website |
| R1-7 | LUC handbook | Garth Eyles Greg Carlyon | 360000 | # | AgRes | completed - link on website |

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

| No. | Tools Round 2 | Champion | \$ inc GST | : G | Provider | to 31 October 2024 |
|------|-------------------------------------|-------------------------------|-------------------|------------|-----------------|------------------------------------|
| R2-1 | Fish monitoring protocol | Bruno David - as of Mar 09 | 168750 | # | MU | completed - on website |
| R2-2 | Land and soil monitoring - SINDI | Reece Hill + Amy Taylor | 112500 | # | LCR | completed - link on website |
| R2-3 | Pest management prioritisation VPDS | Richard Bowman | 168750 | # | LCR | completed - link on website |
| R2-4 | Aquifer monitoring framework | Ed Brown David Scott | 112500 | # | LVL | completed - part on website |

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

| No. | Tools Round 3 | Champion | \$ inc GST | : G | Provider | to 31 October 2024 |
|------|---------------------------------------|----------------------------------|-------------------|------------|-----------------|-------------------------------|
| R3-2 | Coastal hazard assessment | Mike Adye - Hazard | 185625 | # | NIWA | completed - on website |
| R3-3 | Virus tool for groundwater protection | was Viv Smith; now Susie O | 247500 | # | ESR | completed - on website |

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

| No. | Tools Round 4 | Champion | \$ inc GST | : G | Provider | to 31 October 2024 |
|------|-----------------------------------|------------------------------|-------------------|------------|-----------------|-------------------------------|
| R4-1 | Sedimentation and instream values | Summer Warr - SWIM | 168750 | | Cawthron | Completed - on website |
| R4-2 | Uses and values of water bodies | Mary-Anne Baker - SWIM | 168750 | | LU | completed - on website |
| R4-3 | Incentives for air quality | Fleur Tiernan - NAQWG | 225000 | | NIWA | completed - on website |
| R4-4 | Guidelines for artificial lakes | Adrian Meredith - SWIM | 90000 | | NIWA | completed - on website |

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| R4-6 | Coastal habitat | Jarrold Walker - Coastal | 270000 | NIWA | completed - on website |
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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

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|------|---|----------------------------------|------------|------------|--------------------------------------|
| R5-1 | S-map - Soil data tool to underpin dairy farm management | Jeremy Cuff, Reece Hill - LMF | 281300 | LCR | completed - link on website |
| R5-2 | NZ land use database and classification | Reece Hill, Jeremy Cuff - LMF | 225000 | LCR | completed - link on website |
| R5-3 | Microbial source tracking for faecal contamination of coastal catchments. | Jarrold Walker - Coastal | 308250 | Cawthron | Completed - report on website |
| R5-4 | Characterising dairy sludges and slurries | Rachael Millar - SWIM | 135000 | AgRes | Completed - report on website |
| R5-5 | Update in-stream plant and nutrient guidelines | Summer Warr (was Kate Mc) | 112500 | NIWA | Completed - report on website |

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

Tools Round 6

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|------|---|------------------------|------------|------------|---------------------------------------|
| R6-1 | Pest management outcomes | Campbell Leckie BMG | 186000 | LCR | completed - link on website |
| R6-2 | Capture zone guidelines for hydrological features | John Hadfield - GWF | 169000 | GNS | completed - 11/4/14 on website |
| R6-3 | Soil quality indicators: the next generation | Reece Hill - LMF | 208,000 | AgRes | Completed - report on website |

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

Tools Round 7

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|------|--|---|------------|------------|-----------------------------|
| R7-1 | Risk-based planning | Lisa Pearse - Hazards | 230000 | GNS | completed on website |
| R7-2 | Monitoring terrestrial biodiversity | Fleur Maseyk + Kevin Collins - BMG/BTG | 230000 | LCR | completed on website |
| R7-3 | Web-based tool for managing all relevant spatial tools | Beat Huser and Steve Markham - Policy | 115,000 | Massey | completed on website |

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

Tools Round 8

Champion \$ inc GST : G Provider to 31 October 2024

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|------|--|-------------------------------------|--------|------|-----------------------------------|
| R8-1 | National environmental monitoring standards | Jeff Watson + Rob Christie LAEMG | 103500 | NIWA | completed draft on website |
| R8-2 | Maximising the effectiveness of farm plans | Tony Faulkner LMG | 230000 | NIWA | completed on website |
| R8-3 | Guidelines for monitoring land fragmentation | Amy Taylor + Andrew Burton LMF | 241500 | LCR | completed on website |

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

Tools Round 9

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|------|--|---|-------------------|-------------------|-----------------------------|
| R9-1 | Regional flood estimation in New Zealand | Gary Clode - River Managers, Martin Doyle LAEMG | 172500 | NIWA | completed on website |
| R9-2 | Interoperable S-map | Colin Gray + Barry Lynch - LMF, Lisa Pearse - Hazards | 230000 | LCR | completed on website |
| 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 | completed on website |

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

Tools Round 10

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|-------|--|--|-------------------|--------------------|-----------------------------|
| R10-1 | Estuarine Trophic Index | Anna Madarasz-Smith - Coastal | 287,500 | NIWA - Mal Green | completed on website |
| 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 | completed on website |

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

Tools Round 11

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|-------|-----------------------------|--|-------------------|-------------------|-----------------------------|
| R11-2 | NEMS water quality standard | Jeff Watson Simon Tredgett (AC) - LAEMG Jim Price (PM) | 172500 | NIWA | completed on website |

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

Tools Round 12

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|--|--|---------------------|-------------------|-------------------|------------------------------------|
| R12-1 | Aquatic weed management best practice guide | Don McKenzie (BMG) | 225400 | NIWA | completed on website |
| R12-2 | A review of the marine contact recreation water and shellfish gathering guidelines. | Anna M-S (Coastal) | 115000 | NIWA | completed on website |
| R12-3 | Development of a national fish passage assessment protocol and data management tools | Trevor James (SWIM) | 166750 | NIWA | Completed link to NIWA site |
| R12-4 | Protocol and methodology standards for farm scale soil mapping | Karen Wilson (LMF) | 67850 | LCR | completed on website |
| (tool meeting 22 Oct 2015; GC list 5 Feb 2016; MBIE approval 9 May 2016) | | | | | |

Tools Round 13

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|--|--|---|-------------------|------------------------|---|
| R13-1 | Cost effective tools for monitoring urban waters | C Conwell M Cameron T Davie R Hodson (SWIM) | 172500 | NIWA (Gadd and Moores) | completed on website |
| R13-3 | Mobile technology to enhance public participation in weed surveillance | R Milne (BMG) | 172500 | Scion (Pawson) | completed - tool available on internet |
| R13-4 | Improving Uptake of Decision Support System (DSS) Tools | B Huser (Policy) | 57500 | LCR | completed - website updated |
| R13-5 | Wetland Delineation: Soil Tool Development | R Smith (BMG) | 57500 | LCR | completed on website |
| (tool meeting 20 Oct 2016; GC list 30 Nov 2016; MBIE approval 12 May 2017) | | | | | |

Tools Round 14

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|-------|---|---|-------------------|-------------------|-----------------------------|
| R14-1 | Molecular tool for detecting fish species in freshwater | Ebrahim Hussein (SWIM) - now Andy Hicks | 299000 | Cawthron | completed on website |
| R14-2 | Satellite MODUS-Aqua Coastal Water Quality Tool | Megan Oliver Melissa Foley Steve Urlich (Coastal) | 126500 | NIWA | completed on website |

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| R14-3 | Measurement of total flow in weedy lowland streams | Mike Ede (Env Data) Thomas Wilding (SWIM) | 149500 | NIWA | completed on website |
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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 31 October 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 | completed on website |
| R15-1 | A collaborative satellite data workspace for regional councils | LMF: Reece Hill (WRC), Nancy Golubiewski (AC) | 322000 | GNS: Rogier Westerhoff | completed on website |

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

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

Tools Round 17

| | Champion | \$ inc GST | G Provider | to 31 October 2024 | |
|-------|--|--|------------|--------------------|--|
| R17-2 | Taxonomic resource for soft sediment estuarine and coastal macroinvertebrates | CSIG - Megan Oliver (GW); Michael Townsend | 172500 | NIWA + Cawthron | completed - link to NIWA on website |

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

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

Tools Round 18

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|-------|--|----------------------------------|------------|-------------|-----------------------------|
| R18-2 | Stocking NZ's molecular library for eDNA monitoring | Bruno David (WRC) and more | 299920 | Massey Univ | contracted from 1 July 2022 |
| R18-1 | Implementation of ecological soil guideline values and sustainable soil management of 'surplus' soils | Jonathan Caldwell (WRC) and more | 148350 | MWLR | completed on website |
| R18-4 | Enabling flexibility and connectivity in land use classifications for state of the environmental soil quality monitoring | Haydon Jones (WRC) and more | 105800 | MWLR | completed on website |

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

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Tools Round 19

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|-------|--|-----------------------------------|------------|---------------------|-----------------------------|
| R19-4 | High frequency water quality monitoring – design, planning and implementation guidance | Ed Brown (WRC) Coral Grant (AC) | 291640 | NIWA: Lucy McKergow | contracted from 1 July 2023 |
| R19-2 | Mapping and ground-truthing the extent of naturally uncommon ecosystems | Scott Jarvie (ORC) Roger Uys (GW) | 282900 | MWLR: Adrian Monks | contracted from 1 July 2023 |

Tools Round 20

| | | Champion | \$ inc GST | G Provider | to 31 October 2024 |
|-------|---|--|------------|-------------------------------------|-----------------------------|
| R20-3 | Using remote sensing to quantify coastal vegetation cover | Melanie Burns (ECAN), Sam Thomas (ORC), Nuwan DeSilva (ES), Josie Crawshaw (BoP) | 230000 | NIWA - Leigh Tait, Steph Mangan etc | Contracted from 1 July 2024 |

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| R20-6 | Guidance for standardised forest condition monitoring for regional councils | Annabel Beattie (HBRC) - BDWG | 345000 | MWLR - Warwick Allen, Sarah Richardson, Peter Bellingham | Contracted from 1 July 2024 |
| R20-2 | Revising target values for soil quality indicators used in SOE reporting | Haydon Jones (WRC) Matthew Taylor (WRC) Erik Button (ORC) - LMF SIG | 143750 (\$100K MfE) | MWLR- John Drewry, Jo Cavanagh etc | |