

GILLIAN CROWCROFT



TECHNICAL DIRECTOR - ENVIRONMENT

INDEPENDENT HEARING COMMISSIONER

APPOINTED FRESHWATER COMMISSIONER



POSITION

Technical Director - Environment

LOCATION

Auckland

QUALIFICATIONS

- M.Sc (Hons) Waikato

MEMBERSHIPS

- NZ Hydrological Society
- Institute of Directors (NZ)
- NZPI

CERTIFICATIONS

- Hearing Commissioner (Making Good Decisions certified)
- IAP2 (Public Participation)
- ISCA (Infrastructure Sustainability)

**FOR MORE INFORMATION, PLEASE CONTACT
GILLIAN DIRECTLY**



Gillian is a skilled RMA practitioner with more than 25 years' experience in environmental science, hydrology, policy analysis and planning.

Freshwater management is Gillian's primary area of expertise. She has delivered groundwater and surface water projects for regional council in research and investigation, policy development and planning capacities. She works effectively in other technical areas including land use, discharges, river works, and solid waste.

As an environmental consultant Gillian provides resource management advice and delivers services to public and private sector clients across New Zealand including Government agencies, District Councils (particularly 3-waters teams), energy generators, land developers, primary industry and individuals. She contributes to policy development, prepares submissions and provides expert evidence.

Gillian is knowledgeable about RMA plan preparation and the functions of councils. This, coupled with her experience working for resource users, gives her a deep understanding of resource management challenges. Her regionally focussed expertise, together with her depth of understanding of national instruments, enables her to consider proposals within a broad statutory framework.

Gillian is an excellent communicator and works effectively with scientists, engineers, and planners. She has completed the Making Good Decisions Training course, is a certified commissioner and appointed Freshwater Commissioner.

AREAS OF EXPERTISE

- Resource management policy analysis and planning. Particularly freshwater, discharges, drilling, rivers, solid waste, and land disturbance.
- Strategic advice
- Hydrology and hydrogeology
- Regional Policy statement & Plan analysis and preparation
- Design, implementation and management of technical environmental research and assessment
- Preparation of submissions on legislative instruments, regional plans, and consent applications.
- Expert witness evidence preparation and plan appeals.
- Resource consent application preparation and review
- Infrastructure sustainability
- Engagement with iwi groups, landowners, and government agencies

"PROBLEM SOLVER"

RELEVANT EXPERIENCE



TERRITORIAL AUTHORITY 3-WATERS REFORMS PROJECTS (2022-ONGOING)

Provide RMA advice to local authorities 3-waters infrastructure departments as they prepare for 3-waters reforms. Advise of the requirements of Te Mana o te Wai in local authority infrastructure projects that impact freshwater. Project include consent renewals for community water supplies, wastewater treatment plan discharges, and stormwater and long term planning with iwi and communities for 3-waters infrastructure.

SECTION 32 REPORT NPS FOR FRESHWATER MANAGEMENT AND NES-FRESHWATER (2020&2022)

Lead an agile policy team in the preparation of the section 32 evaluation report for the NPS for Freshwater Management 2020 and NES Freshwater for Ministry for the Environment. Worked alongside the Ministry for the Environment team drawing on existing assessments and consultation while the NPS and NES were being finalised.

GORE DISTRICT COUNCIL EXPOSED LANDFILL EMERGENCY RESPONSE

Responded with urgency to resolve exposed landfills following February 2020 flooding. Assessed affected areas with geotechnical specialists and developed a plan of action to undertake works under emergency works provisions. Developed a programme of work for Council to ensure they delivered the required reporting and retrospective consent applications for river works.

MERCURY SUBMISSION ON WAIKATO REGIONAL PLAN CHANGE 1 (2017-ONGOING)

Worked with Mercury to determine the future implications of Waikato Regional Plan change 1 on ongoing operation and maintenance of the 9 hydro dams that make up the Waikato Hydro Scheme. Prepared Mercury's submission, analysed submissions, prepared and gave evidence at plan hearings.

AUCKLAND COUNCIL TECHNICAL GUIDANCE PRACTICE LEAD (2018-2020)

Lead the development and delivery of AC technical guidance and provided discipline cross over to corresponding Auckland Unitary Plan changes. The scope of projects included stormwater, soakage, on-site wastewater, green infrastructure and erosion and sediment control.

NZ DEFENCE FORCE - STREAM EROSIONS OPTIONS ASSESSMENT (2018)

Assessed contributing causes of stream bank erosion outside an NZDF base and evaluated future management options. Considered both hard and soft engineering options to address the problem while carefully considering potential unintended consequences to mitigate (e.g. increased flooding). Provided technical review of all project deliverables.

GOLDEN BAY CEMENT TYRE DERIVED FUEL CONSENT (2017-2018)

Planning and technical lead role to support Golden Bay Cement to gain consent to use end of life tyres for fuel in the cement plant at Portland. Developed project consent strategy and identified the scope of technical input required. Coordinated specialist input and drafted AEE and resource consent application, which was subsequently non-notified and granted.

BAY OF PLENTY REGIONAL COUNCIL (2016)

Evaluated options for developing "default methodology" for Bay of Plenty regional freshwater planning in parts of the region lacking data and information to support robust location specific analysis.

AUCKLAND WASTE STOCK TAKE AND STRATEGIC ASSESSMENT (2009-2011)

Designed and led a collaborative project with 7 Auckland local authorities and 3 consultants to deliver a robust analysis of current state solid waste generation, transport, and disposal in Auckland prior to 2010 Councils amalgamation. Provided project team support to the subsequent Auckland Council Waste Assessment and Waste Management and Minimisation Plan.

WAI ORA WAI MAORI - AUCKLAND'S FRESHWATER PROGRAMME (2011-2014)

Lead the programme of work to give effect to the NPS-Freshwater management in Auckland. Evaluated the implications and opportunities for Auckland Council and initiated early discussions with Mana Whenua to establish a collaborative programme of work at the programme outset.

AUCKLAND REGIONAL PLAN - AIR, LAND AND WATER PROJECT (2009-2010)

Managed the Proposed Auckland Regional Plan: Air, Land and Water project in the final 10 months before the amalgamation of Auckland Council in 2010. Created urgency and common purpose amongst appellants and the project team to mediate and resolve outstanding appeals, find mutually acceptable solutions, and enable the plan to be made operative in part in October 2010.

WAIHEKE ISLAND GROUNDWATER INVESTIGATION AND WATER MANAGEMENT (2003-2004)

Increased demand for groundwater supplies from a relatively unknown resource led to initiation of the Waiheke Island groundwater project. Contributed to developing the drilling programme, monitoring and analysis to determine aquifer parameters and set water availability limits. Evaluated options for managing water abstraction to optimise resource use without adverse effects on the resource or groundwater users.

NZ ENVIRONMENTAL STANDARD FOR DRILLING OF SOIL AND ROCK (1998-2001)

Project managed a collaborative project with industry and councils, funded by Ministry for the Environment and local authorities, to develop minimum standards for drilling in rock and soil. Worked alongside Standards NZ to produce a project output in the form of NZS 4411: 2001. The standard is still widely used in Council Plans and drilling contracts.

THREATENED PLANT RESEARCH AND MANAGEMENT (1992-2017)

Contributed to multiple threatened plant projects through field work, data analysis, stakeholder engagement and as a co-author to reports and publications. Provided input to Department of Conservation threat listing of vascular plants and field work.

QUALIFICATIONS & PROFESSIONAL DEVELOPMENT

- M.Sc, (Hons) Earth Sciences (Hydrology) University of Waikato 1992
- B.Sc. Earth Sciences University of Waikato 1990
- Making Good Decisions foundation 2020
- NZ Company Directors Course 2022
- Infrastructure Sustainability Practitioner 2018
- IAP2 certificate in Public Participation 2014
- University of Auckland Policy Analysis and Development 2012

CAREER SUMMARY

Harrison Grierson	Technical Director - Environment	2020-present
Harrison Grierson	Environmental Planning Lead	2016-2020
Auckland Council	Principal Specialist, Environmental Strategy and Policy	2010- 2015
Auckland Regional Council	Manager, Land and Water Policy	2010
	Senior Policy Analyst, Policy and Planning	2005-2010
	Water Resource Scientist, Environmental Management	1997-2005
	Water Resource Officer, Environmental Management	1993-1997
Natural Resource Assessors	Director (part-time)	1992-present

PROFESSIONAL MEMBERSHIP & POSITIONS

- Harrison Grierson Executive Board Member 2021-
- Freshwater Commissioner 2022-
- Certified Independent Hearing Commissioner 2020-2023
- NZ Planning Institute associate member 2023-
- Infrastructure Sustainability Council of Australia Member 2018 -present
- Kaipatiki project Board Member 2015-2017
- NZ Hydrological Society Member 1991-present
- NZ Hydrological Society Executive Member 1997-2006