

LIST OF ACRONYMS

Term	Meaning
ACS	Aquatic Compensation Site
AEE	Assessment of Environmental Effects
AMP	Archaeological Management Plan
AviMP	Avifauna Management Plan
BESS	Battery Energy Storage System
CAA	Civil Aviation Authority
C&EMP	Carex Tenuiculmis and Epilobium Chionanthum Management Plan
CDC	Clutha District Council
CDP	Clutha District Plan
CIA	Cultural Impact Assessment
CMP	Chemical Treatment Management Plan
CNMP	Construction Noise Management Plan
CTMP	Construction Traffic Management Plan
CZ	Proposed Turbine Location and Contingency Zones (100m Radius)
DCC	Dunedin City Council
DCDP	G2P Dunedin City District Plan
DOC	Department of Conservation
ECMP	Environmental Construction Management Plan
EMMP	Ecological Monitoring and Management Plan
EMP	Earthworks Management Plan
ESC	Erosion and Sediment Control



Term	Meaning
EMRP	Environmental Monitoring and Reporting Plan
FMP	Fire Management Plan
FTAA	Fast-track Approvals Act 2024
FTE	Full Time Equivalent
GDP	Gross Domestic Product
HAIL	Hazardous Activities and Industries List
Heritage Act	Heritage New Zealand Pouhere Taonga 2014
HNZPT	Heritage New Zealand Pouhere Taonga
HPL	Highly Productive Land
HFSP	Hazardous Facilities Screening Procedure
HSMP	Hazardous Substances Management Plan
HSW-HS	Health and Safety at Work (Hazardous Substances) regulations
LINZ	Toitū Te Whenua Land Information New Zealand
LMP	Lizard Management Plan
LUC	Land Use Consent
Mercury	Mercury NZ Limited
MPCP	Mammalian Pest Control Plan
MWF	Mahinerangi Wind Farm
MWF Stage 1	Mahinerangi Wind Farm Stage 1
MWF Stage 2	Puke Kapu Hau - Mahinerangi Wind Farm Stage 2
NFRP	Native Fish Recovery Plan
NES-ET	Resource Management (National Environmental Standard for Electricity Transmission Activities) Regulations 2009



Term	Meaning
NES-F	Resource Management (National Environmental Standards for Freshwater) Regulations 2020
NES-CS	Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011
NMP	Noise Management Plan
NPS-FM	National Policy Statement for Freshwater Management 2020
NPS-HPL	National Policy Statement for Highly Productive Land 2022
NPS-IB	National Policy Statement for Indigenous Biodiversity 2024
NZAA	New Zealand Archaeological Association
NZIER	New Zealand Institute of Economic Research
NZS6802:2008	New Zealand Standard 6802:2008 Acoustics – Environmental Noise
NZS6803:1999	New Zealand Standard 6803:1999 Acoustics – Construction Noise
NZTA Waka Kotahi	NZ Transport Agency Waka Kotahi
O&M Facility	Operations and Maintenance Facility
ONFL	Outstanding Natural Feature and Landscape
ONL	Outstanding Natural Landscape
ONMP	Operational Noise Management Plan
ORC	Otago Regional Council
PNAP	Protected Natural Areas Programme
PORPS	Proposed Otago Regional Policy Statement 2021
PSI	Preliminary Site Investigation
RAP	Recommended Area for Protection from the Protected Natural Areas Programme report for Waipori Ecological District



Term	Meaning
RMA	Resource Management Act 1991
RMP	Rehabilitation Management Plan
RPS	Operative Otago Regional Policy Statement 2019
SCADA	Supervisory Control and Data Acquisition (SCADA) system which connects each of the turbines to a central computer system. This computer and associated communication system enables supervision of the operation of the Mahinerangi Wind Farm as a whole
SEMP	Supplementary Environmental Management Plan
SFD	Surplus fill disposal
SH1	State Highway 1
SH87	State Highway 87
SIPO	South Island Pied Oystercatcher
SNA	Significant Natural Area
SRP	Sediment Retention Pond
TWP	Tararua Wind Power Limited – The applicant
WAA	Wildlife Act Authority
WACP	Wetland and Aquatic Compensation Plan
WCS	Wetland Compensation Site
WMMP	Wetland Monitoring and Management Plan
Wildlife Act	Wildlife Act 1953
WQMP	Water Quality Management Plan
WTG	Wind Turbine Generator
WWMP	Woody Weed Management Plan



## GLOSSARY OF TERMS

Term	Meaning
Beca (2025)	Puke Kapo Hau Traffic Effects Assessment, Beca Limited (2025).
Blueprint Ecology (2025)	Lizard Assessment Puke Kapo Hau - Mahinerangi Wind Farm Stage 2, Blueprint Ecology Ltd, 2025
Blueprint Ecology (2025a) - Wildlife	Wildlife Approval Assessment: Lizards Puke Kapo Hau - Mahinerangi Wind Farm Stage 2
BMPW07190/1	Boffa Miskell Plan BMPW07190/1 “Mahinerangi Windfarm, Windfarm Layout” dated 18 March 2009.  The consent holder must undertake all activities authorised by RM 1409 in accordance with information submitted with the resource consent and BMPW07190/1
BMPW07190/2	Boffa Miskell Plan BMPW07190/2 Engineering Works, Mahinerangi Wind Farm Engineering Works (pre-rehabilitation)” dated 18 March 2009.  The consent holder must undertake all activities authorised by RM 1409 in accordance with information submitted with the resource consent and BMPW07190/2.
Boffa Miskell (2025)	Mahinerangi Wind Farm Stage 2 – Puke Kapo Hai Avifauna Assessment Boffa Miskell Limited (2025).
Boffa Miskell (2025a) - Wildlife	Mahinerangi Wind Farm Stage 2 - Puke Kapo Hau Technical Evaluation for Wildlife Approval
Catchment	An area of land bounded by natural features such as hills or mountains from which surface water flows into streams, rivers and wetlands.
Clough (2025)	Mahinerangi Wind Farm Archaeological Assessment, Clough & Associates Ltd (2025).
Concrete Batching Plant	An approximately 112m x 95m (1.6 ha) site located centrally within the wind farm on a peneplain surface in an area of improved pasture near wind turbines 22 and 25.
Conservation Act	Conservation Act 1987.



Term	Meaning
Construction Runoff	Any runoff, sediment laden or otherwise, that flows as a result of the construction related activities. Typically results from rain events.
Construction works	Various activities undertaken to construct the Puke Kapo Hau – Mahinerangi Stage 2 Project.
Contingency zones	Proposed Turbine Location and Contingency Zones (up to 100m Radius) – these are the areas within which the turbines and permanent hardstands must be located.
District Plan	The Clutha District Plan.
DNV (2025)	Shadow Flicker and Blade Glint Assessment, DNV Australia Pty Limited (2025).
Earthworks	As defined under the Clutha District Plan.  EARTHWORKS means any modification to the shape of the ground surface by movement or removal of soil and includes excavation, infilling and construction of any road, track, or drainage channel but does not include cultivation or the planting of crops.
Fast-track or the Act	Fast-track Approvals Act 2024.
Fish passage	The movement of fish between the sea and any river, including up-stream or downstream in that river.
Habitat NZ (2025)	Native Bat Assessment, Habitat NZ Limited 2025
Heritage Act	Heritage New Zealand Pouhere Taonga Act 2014.
Isthmus (2025)	Puke Kapo Hau (Mahinerangi Wind Farm) Stage 2 Landscape and Visual Assessment, Isthmus (2025).
Maintenance and Operations Facility or O&M facility	Located to the north of the substation and BESS. It contains a workshop and stores for vehicles and parts, changing room facilities, offices, tearooms and various other facilities for staff.
Marshall Day (2025)	Mahinerangi Wind Farm Noise Assessment, Marshall Day Acoustics (2025).
Mercury	Mercury NZ Limited, the parent company to TWP.



Term	Meaning
Natural Inland Wetland	<p>Defined by the NES-F Natural inland wetland means a wetland (as defined in the Act) that is not:</p> <ul style="list-style-type: none"> <li>(a) a coastal wetland; or</li> <li>(b) constructed by artificial means (unless it was constructed to offset impacts on, or restore, a former natural inland wetland); or</li> <li>(c) a geothermal wetland; or</li> <li>(d) an area of improved pasture that: <ul style="list-style-type: none"> <li>(i) is drained, and</li> <li>(ii) supports pasture species (for example, rye grass or clover) and is subject to regular pastoral grazing.</li> </ul> </li> </ul>
NZIER (2025)	Mahinerangi Wind Farm Economic Assessment, New Zealand Institute of Economic Research (2025).
Overland Flow Path	Routes that collect and convey rainwater. Typically, they only flow for the duration of a rain event.
Participating landowner	Landowners who have agreed to be involved in the project through providing land, access, or other rights necessary for development, construction and operation.
Permanent river or stream	A continually flowing body of fresh water, excluding ephemeral streams, and includes a stream or modified watercourse; but does not include any artificial watercourse (including an irrigation canal, water supply race, canal for the supply of water for electricity power generation, and farm drainage canal except where it is a modified element of a natural drainage system).
Puke Kapo Hau	Gifted name from Te Rūnanga o Ōtākou for Mahinerangi Wind Farm. Translates to “The hill that catches the wind”.
Stage 2 Wind Farm Development Area	This is a mapped area shown on Puke Kapo Hau Stage 2 plans within which all Stage 2 construction, operation and ongoing maintenance of the wind farm must occur. The Stage 2 Wind Farm Development Area and has been shaped respond to the landscape and ecology features of the site and maintain a 10m setback from wetlands where practicable. The Stage 2 Wind Farm Development Area applies only to the wind farm, not the transmission line.



Term	Meaning
Riley – Civil (2025)	Civil Engineering Assessment by Riley Consultants Limited (2025).
Scrappy Pines Block	59.2 ha QEII Open Space Covenant was created in accordance with the consent conditions for the Mahinerangi Wind Farm over an area formerly referred to as the “Scrappy Pines Block”. The QEII covenanted area predominantly contains snow tussock grassland and is located in the southern part of the wind farm.
Sediment control	Capturing sediment that has been eroded and entrained in overland flow before it enters the receiving environment.
SLR (2025)	Ecological Assessment - Vegetation, Wetland and Terrestrial Invertebrate Assessments by SLR (2025).
SLR – Aquatic (2025)	Ecological Assessment - Aquatic Ecology SLR (2025).
Stormwater	Water that flows from impervious areas after the construction period.
Transmission Line Corridor	A 50m area measured either side of the centreline of transmission line (measure horizontally).
Thomas Block	This block of land is located in the western portion of the consented Mahinerangi Wind Farm Site Boundary. MWF Stage 2 seeks to vary the consent and remove the Thomas Block from the Mahinerangi Wind Farm Site Boundary.
Tributaries	Small ‘feeder’ streams that drain into larger streams and rivers. The catchments of these tributaries are known as sub-catchments.
True Left or True Right	The true left and true right banks of a stream or watercourse refers the left or right side of the stream when looking downstream, i.e., looking to where the water is flowing to.
Underground Cable Network	A 33 kV electricity network connecting the turbines to the substation will be located in trenches generally between 800mm and 1.2m deep generally running parallel to the formed access roads / tracks within the revised Stage 2 Wind Farm Development Area.
Waterbody	A natural or artificial channel through which water flows.
Water Plan	Regional Plan: Water for Otago.





Term	Meaning
Wetland	Defined in s2(1) of the RMA to include “... <i>permanently or intermittently wet areas, shallow water, and land water margins that support a natural ecosystem of plants and animals that are adapted to wet conditions</i> ”.
Windfarm Buffer Area	<p>This as a 50m setback between the CZ and high ecological value areas (as identified in the original ecological assessment and referred to as “ecological buffer areas” in the conditions).</p> <p>These will not apply to Stage 2 as all Stage 2 construction, operation and ongoing maintenance of the wind farm must occur within the revised Stage 2 Wind Farm Development Area.</p>
Windfarm Development Area	<p>This is a mapped area shown on BMPW07190/1 (consented plans) within which all construction, operation and ongoing maintenance of the wind farm must occur. The Windfarm Development Area has been shaped respond to the landscape and ecology features of the site.</p> <p>The variation to LUC RM1409 seeks to reduce the extent of the consented Windfarm Development Area applicable to Stage 2. See Stage 2 Wind Farm Development Area.</p>
Windfarm Layout	Shown on BMPW07190/1 (consented plans), this indicates the general location of the Windfarm Development Area, proposed turbine location and contingency zones, areas within the Wind Farm Layout excluded from development by the Environment Court, Area T (high-quality tussock area) or Area C (covenanted area) and roading access (including within Area D constrained area).

