



Annex B: Assessment, Monitoring and Testing Methods

The regenerative plan is specific to the **holding**. Testing methods are to be identified, depending on the risk assessment detailed in the Regenerative Plan and detailed to reflect the specific **holding's** regenerative journey. The appropriate testing method to be used, if required, will be discussed, and detailed within the Regenerative Plan by the holding's **Qualified Expert**.

There are a range of tests that can be incorporated, dependent on the specific risks, targets and outcomes as detailed in a **holding's** individual **Regenerative Plan**—the key is using the same method on an ongoing basis. The following testing methods, measuring techniques and assessments are commonly accepted by A Greener World. They include, but are not limited to:

1. Soil

Examples of Tests, Methods and Assessments	
Column A: Soil Biodiversity Measures	Column B: Other Soil Measures
Soil Biology/Biodiversity Assessments, transects	Soil pH
Worm Counts per Square Meter	Soil Structure Assessment
Soil Life Suites (bacteria and fungi, number, species and diversity)	Percolation Testing
Pitfall Trapping	Surface and Subsurface Hardness
Soil Respiration	Standard Soil Test (Macro- and Micronutrients & pH)
Soil Organic Matter	Soil Pit/Profile (Assessment of horizons, exact location of compacted layers, root depth, etc.)
Soil Active Carbon	Soil Protein Index
Resources and References	
Global Soil Partnership: Biodiversity AHDB Principals of Soil Management AHDB Measuring and Managing Soil Organic Matter AHBD Testing Soil Health AHBD Soil Assessment Methods	

[Cornell Comprehensive Assessment of Soil Health](#)

[Guidance on Assessments by Dr. Jennifer Dungait](#)

[Example of Laboratory Testing Suites](#)

2. Water

Examples of Tests, Methods and Assessments	Resources and References
Consumption <ul style="list-style-type: none">- Irrigation- Aquifer Conditions and Changes	UNSW Groundwater Levels and Aquifer Storage Measuring Groundwater with Steel Tape
Pollution <ul style="list-style-type: none">- Dissolved Oxygen- Turbidity and Total Suspended Solids (TSS)- Bioindicators- Nitrates- pH scale- Temperature	Measuring Methods for Groundwater-Surface Water Interactions Measuring Dissolved Oxygen Levels of Water Measuring Turbidity and Total Suspended Solids (TSS) Bioindicators Nitrates Measuring the pH of Water

3. Air

Examples of Tests, Methods and Assessments	Resources and References
Dust/Particulate Matter <ul style="list-style-type: none">- Visual Assessment (example: dust fall, accumulation of spilled feed)- Reflectometer- Staining- Visual by Weight (example: Measurement of the mass deposition rate to a horizontal sampling surface as a surrogate for nuisance. The units are mass/area/unit time (mg/m²/day).	Monitoring Particulate Matter in Ambient Air Environmental Permit Compliance Review of Odor Character and Thresholds Ammonia Monitoring in Barns United Kingdom Emissions Data United States Emissions Data
Ammonia and Hydrogen Sulfide <ul style="list-style-type: none">- Sniff Test- Pull Tubes- Diffusion Tubes- Emissions from Holding	Canada Emissions Data

<p>Emissions Data (local datasets)</p> <ul style="list-style-type: none"> - Ammonia - Carbon Dioxide - Methane - Nitrous Oxide 	
--	--

4. Biodiversity

Examples of Tests, Methods and Assessments	Resources and References
Bird Counts	Bird Counts
Wildlife Counts	Earthworm Counts
Insect Counts	Insect Counting
Line Transects	Line Transects
Square Transects	Square Transects
Photographs	Photographs
	HMI Biological Monitoring
	NZ Department of Conservation: Biodiversity Inventory and Monitoring Toolbox
	The Biodiversity Monitoring System

5. Human

Examples of Tests, Methods and Assessments	Resources and References
Performance Reviews	UN Universal Declaration on Human Rights
Fair Measures <ul style="list-style-type: none"> - Notification of employees with written or verbal notice of suspension or dismissal 	United States Living Wages
H2A Housing Inspection Reports	Canada Living Wages
Living Wages	

Monitoring

Annex B: Assessment Monitoring and Testing Methods | Certified Regenerative by AGW
© A Greener World

This table may be used to describe the monitoring techniques and frequency to demonstrate delivery of your plan.

Action or feature you plan to monitor	What method will be used	Frequency of monitoring	What indicators will demonstrate success	Who is responsible for monitoring	Results