Crosswalk - Alliance for Water Stewardship Standard v2.0 and Restore the Earth Foundation EcoMetrics			
Step	**Criterion**	**Indicator**	**EcoMetrics**
1			
	1.1		
Gather and Understand	Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.	1.1.1 The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including: • Site boundaries; • Water-related infrastructure, including piping network, owned or managed by the site or its parent organization; • Any water sources providing water to the site that are owned or managed by the site or its parent organization; • Water service provider (if applicable) and its ultimate water source; • Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies; • Catchment(s) that the site affect(s) and is reliant upon for water.	• EcoMetrics Model can serve as the platform to evaluate this information – determining and reporting on conditions before and after the project. Information for the environmental, social, and economic baseline is obtained through contracted third parties. • EcoMetrics Model is customized to a project location with active input from stakeholders (including interviews, surveys and workshops), and robust assessment of data available for the site area.

	1.2		
	Understand relevant stakeholders, their water- related challenges, and the site's ability to influence beyond its boundaries.	1.2.1 Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall: • Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people; • Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies; • Provide evidence of stakeholder consultation on water-related interests and challenges; • Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups; • Identify the degree of stakeholder engagement based on their level of interest and influence.	Indicator directly supported by EcoMetrics
		1.2.2 Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.	

	1.3		
	Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.	1.3.1 Existing water-related incident response plans shall be identified.	
		1.3.2 Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped.	Indicator directly supported by EcoMetrics
		1.3.3 Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.	Indicator directly supported by EcoMetrics
		1.3.4 Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.	Indicator directly supported by EcoMetrics
		1.3.5 Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.	
		1.3.6 On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.	Indicator directly supported by EcoMetrics

		1.3.7 Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.	Indicator directly supported by EcoMetrics
		1.3.8 Levels of access and adequacy of WASH at the site shall be identified.	
	1.4		
	Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.	1.4.1 The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.	Indicator directly supported by EcoMetrics
		1.4.2 The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.	Indicator directly supported by EcoMetrics
		1.4.3 Advanced Indicator The embedded water use of primary inputs in catchment(s) of origin shall be quantified.	Indicator directly supported by EcoMetrics

	1.5		
	Gather water-related data for the catchment, including: water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH	1.5.1 Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.	
		1.5.2 Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.	
		1.5.3 The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.	Indicator directly supported by EcoMetrics
		1.5.4 Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be identified.	Indicator directly supported by EcoMetrics
		1.5.5 Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement.	Indicator directly supported by EcoMetrics

		1.5.6 Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.	
		1.5.7 The adequacy of available WASH services within the catchment shall be identified.	
		1.5.8 Advanced Indicator Efforts by the site to support and undertake catchment level water-related data collection shall be identified.	Indicator directly supported by EcoMetrics
		1.5.9 Advanced Indicator The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.	
	1.6		
	Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.	1.6.1 Shared water challenges shall be identified and prioritized from the information gathered.	Indicator directly supported by EcoMetrics
		1.6.2 Initiatives to address shared water challenges shall be identified.	Indicator directly supported by EcoMetrics
		1.6.3 Advanced Indicator Future water issues shall be identified, including anticipated impacts and trends	X (EcoMetrics scenario analysis)
		1.6.4 Advanced Indicator Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water.	Indicator directly supported by EcoMetrics

	1.7		
	Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.	1.7.1 Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.	Indicator directly supported by EcoMetrics
		1.7.2 Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.	Indicator directly supported by EcoMetrics
	1.8		
	Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.	1.8.1 Relevant catchment best practice for water governance shall be identified.	

		1.8.2 Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.	
		1.8.3 Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.	
		1.8.4 Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.	Indicator directly supported by EcoMetrics
		1.8.5 Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.	
2			
	2.1		
Commit and Plan	Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.	2.1.1 A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments: • That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes • That the site implementation will be aligned to and in support of existing catchment sustainability plans • That the site's stakeholders will be engaged in an open and transparent way • That the site will allocate resources to implement the Standard.	

		2.1.2 Advanced Indicator A statement that explicitly covers all requirements set out in Indicator 2.1.1 and is signed by the organization's senior-most executive or governance body and publicly disclosed shall be identified.	
	2.2		
	Develop and document a process to achieve and maintain legal and regulatory compliance.	2.2.1 The system to maintain compliance obligations for water and wastewater management shall be identified, including: • Identification of responsible persons/positions within facility organizational structure • Process for submissions to regulatory agencies.	
	2.3		
	Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.	2.3.1 A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.	
		2.3.2 A water stewardship plan shall be identified, including for each target: • How it will be measured and monitored • Actions to achieve and maintain (or exceed) it • Planned timeframes to achieve it • Financial budgets allocated for actions • Positions of persons responsible for actions and achieving targets • Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.	Indicator directly supported by EcoMetrics

		2.3.3 Advanced Indicator The site's partnership/water stewardship activities with other sites within the same catchment (which may or may not be under the same organisational ownership) shall be identified and described.	
		2.3.4 Advanced Indicator The site's partnership/water stewardship activities with other sites in another catchment(s) (either under same corporate structure or with another corporate site) shall be identified.	
		2.3.5 Advanced Indicator Stakeholder consensus shall be sought on the site's water stewardship plan. Consensus should be achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved shall be identified.	
	2.4		
	Demonstrate the site's responsiveness and resilience to respond to water risks	2.4.1 A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.	
		2.4.2 Advanced Indicator A plan to mitigate or adapt to water risks associated with climate change projections developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.	

3			
	3.1		
Implement	Implement plan to participate positively in catchment governance.	3.1.1 Evidence that the site has supported good catchment governance shall be identified.	EcoMetrics supports the data management and metrics to demonstrate progress towards goals and criteria.
		3.1.2 Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.	
		3.1.3 Advanced Indicator Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified.	
		3.1.4 Advanced Indicator Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the good water governance of the catchment shall be identified.	Indicator directly supported by EcoMetrics
	3.2		
	Implement system to comply with water-related legal and regulatory requirements and respect water rights.	3.2.1 A process to verify full legal and regulatory compliance shall be implemented.	
		3.2.2 Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.	
	3.3		
	Implement plan to achieve site water balance targets.	3.3.1 Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.	Indicator directly supported by EcoMetrics

		3.3.2 Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.	Indicator directly supported by EcoMetrics
		3.3.3 Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.	
		3.3.4 Advanced Indicator The total volume of water voluntarily re-allocated (from site water savings) for social, cultural and environmental needs shall be quantified.	Indicator directly supported by EcoMetrics
	3.4		
	Implement plan to achieve site water quality targets.	3.4.1 Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.	Indicator directly supported by EcoMetrics
		3.4.2 Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be identified and where applicable, quantified.	Indicator directly supported by EcoMetrics
	3.5		
	Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.	3.5.1 Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.	X EcoMetrics is designed primarily for natural solutions, ecosystem services, and ecosystems characteristic there is well-suited to assess IWRAs

		3.5.2 Advanced Indicator Evidence of completed restoration of non-functioning or severely degraded Important Water-Related Areas including where appropriate cultural values from a site-selected baseline date shall be identified. Restored areas may be outside of the site, but within the catchment.	Indicator directly supported by EcoMetrics
		3.5.3 Advanced Indicator Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the healthy status of Important Water-Related Areas in the catchment shall be identified.	Indicator directly supported by EcoMetrics
	3.6		
	Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.	3.6.1 Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.	
		3.6.2 Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for Indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.	

		3.6.3 Advanced Indicator A list of actions taken to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene awareness shall be identified.	
		3.6.4 Advanced Indicator In catchments where WASH has been identified as a shared water challenge, evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation shall be identified.	
	3.7		
	Implement plan to maintain or improve indirect water use within the catchment.	3.7.1 Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.	Indicator directly supported by EcoMetrics
		3.7.2 Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.	
		3.7.3 Advanced Indicator Actions taken to address water related risks and challenges related to indirect water use outside the catchment shall be documented and evaluated.	

	3.8		
	Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.	3.8.1 Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.	
	3.9		
	Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.	3.9.1 Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.	
		3.9.2 Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.	Indicator directly supported by EcoMetrics
		3.9.3 Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.	Indicator directly supported by EcoMetrics
		3.9.4 Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.	Indicator directly supported by EcoMetrics
		3.9.5 Actions towards achieving best practice related to targets in terms of WASH shall be implemented.	

		3.9.6 Advanced Indicator Achievement of identified best practice related to targets in terms of good water governance shall be quantified.	
		3.9.7 Advanced Indicator Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified.	Indicator directly supported by EcoMetrics
		3.9.8 Advanced Indicator Achievement of identified best practices related to targets in terms of water quality shall be quantified.	Indicator directly supported by EcoMetrics
		3.9.9 Advanced Indicator Achievement of identified best practices related to targets in terms of the site's maintenance of Important Water-Related Areas have been implemented.	Indicator directly supported by EcoMetrics
		3.9.10 Advanced Indicator Achievement of identified best practice related to targets in terms of WASH shall be quantified.	
		3.9.11 Advanced Indicator A list of efforts to spread best practices shall be identified.	
		3.9.12 Advanced Indicator A list of collective action efforts, including the organizations involved, positions of responsible persons of other entities involved, and a description of the role played by the site shall be identified.	

		3.9.13 Advanced Indicator Evidence of the quantified improvement that has resulted from the collective action relative to a site-selected baseline date shall be identified and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those affected by the action) that the site is materially and positively contributing to the achievement of the collective action shall be identified.	Indicator directly supported by EcoMetrics
4			
	4.1		
Evaluate	Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.	4.1.1 Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.	EcoMetrics Model can provide data and metrics to evaluate the criteria of Step 4.
		4.1.2 Value creation resulting from the water stewardship plan shall be evaluated.	Indicator directly supported by EcoMetrics
		4.1.3 The shared value benefits in the catchment shall be identified and where applicable, quantified.	Indicator directly supported by EcoMetrics
		4.1.4 Advanced Indicator A governance or executive-level review, including discussion of shared water challenges, water risks, and opportunities, and any water-related cost savings or benefits realized, and any relevant incidents shall be identified.	EcoMetrics has a built-in process for robust and transparent governance body and stakeholder engagement. Allows for ongoing input and tracking performance

	4.2		
	Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.	4.2.1 A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.	
	4.3		
	Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.	4.3.1 Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.	Indicator directly supported by EcoMetrics
		4.3.2 Advanced Indicator The site's efforts to address shared water challenges shall be evaluated by stakeholders. This shall include stakeholder reviewing of the site's efforts across all five outcome areas, and their suggestions for continual improvement.	

	4.4		
	Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.	4.4.1 The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.	EcoMetrics scenario analysis and ongoing performance tracking
5			
	5.1		
Communicate and Disclose	Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.	5.1.1 The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.	EcoMetrics reports support all elements of this step using a formal, validated, and third party verified approach and format, suitable for all types of reporting
	5.2		
	Communicate the water stewardship plan with relevant stakeholders.	5.2.1 The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.	Indicator directly supported by EcoMetrics

	5.3		
	Disclose annual site water stewardship summary, including the relevant information about the site's annual water stewardship performance and results against the site's targets.	5.3.1 A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.	Indicator directly supported by EcoMetrics
		5.3.2 Advanced Indicator The site's efforts to implement the AWS Standard shall be disclosed in the organization's annual report.	Indicator directly supported by EcoMetrics
		5.3.3 Advanced Indicator Benefits to the site and stakeholders from implementation of the AWS Standard shall be quantified in the organization's annual report.	Indicator directly supported by EcoMetrics
	5.4		
	Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.	5.4.1 The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.	

		5.4.2 Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.	X (EcoMetrics stakeholder engagement component)
	5.5		
	Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.	5.5.1 Any site water-related compliance violations and associated corrections shall be disclosed.	
		5.5.2 Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.	
		5.5.3 Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.	