



# Tracking Nature Value: Planet

## Track progress

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To incorporate nature into business decision-making processes, “natural capital” must be quantified so that it can be considered alongside financial capital.

It's important to note that Dow's nature journey is not only about achieving the goal of **\$1 billion** in business value. It is also important to establish that the contributing projects are, in fact, also better for the environment than alternatives. Tracking nature value is a difficult task which involves competing dimensions of complex ecosystem services. The Nature Scorecard is a multi-criteria decision analysis tool that can be used to consider the project's performance as well as weigh the status of the environmental stressors and conditions of a given site. All locations are not created equal, and the biomes and environmental stressors can vary across project locations.

The integration of global data with specific project performance enables project managers at Dow to assess a project's environmental impact in unique, informative ways.

Certain projects can also improve one environmental factor, such as water provisioning, while being worse for another factor, such as carbon emissions. The Scorecard is intended to help assess and consider such trade-offs.

### An example of measuring ecosystem services

Ecosystem services (engineering units of measure)	Baseline	Standard Brownfield	Ecological Restoration (ER) on Dow land only	Ecological Restoration on Dow and City land (ER+)
Water quality NOx removal (mg/l) (area weighted average)	0.20	0.13	0.15	0.15
Max water quality NO removal (mg/l) (area weighted average)	0.80	0.52	0.75	0.83
Water quality TSS removal (mg/l) (Area weighted average)	17	13	11	11
Max water quality TSS removal (mg/l) (area weighted average)	63	78	69	68
Water quantity runoff (Inches of runoff across site)	1.44	1.84	0.94	0.79
Water quantity runoff (gal)	1,900,00	2,400,000	1,240,000	1,000,000

Ecosystem services in engineering units of measure for the priority ecosystem services for business-as-usual (baseline) and alternatives using Dow Riverside Wetland Project case study as an example.

Source: <https://www.esiitool.com/case-studies/>

