



Greenhouse Gas Value Calculator

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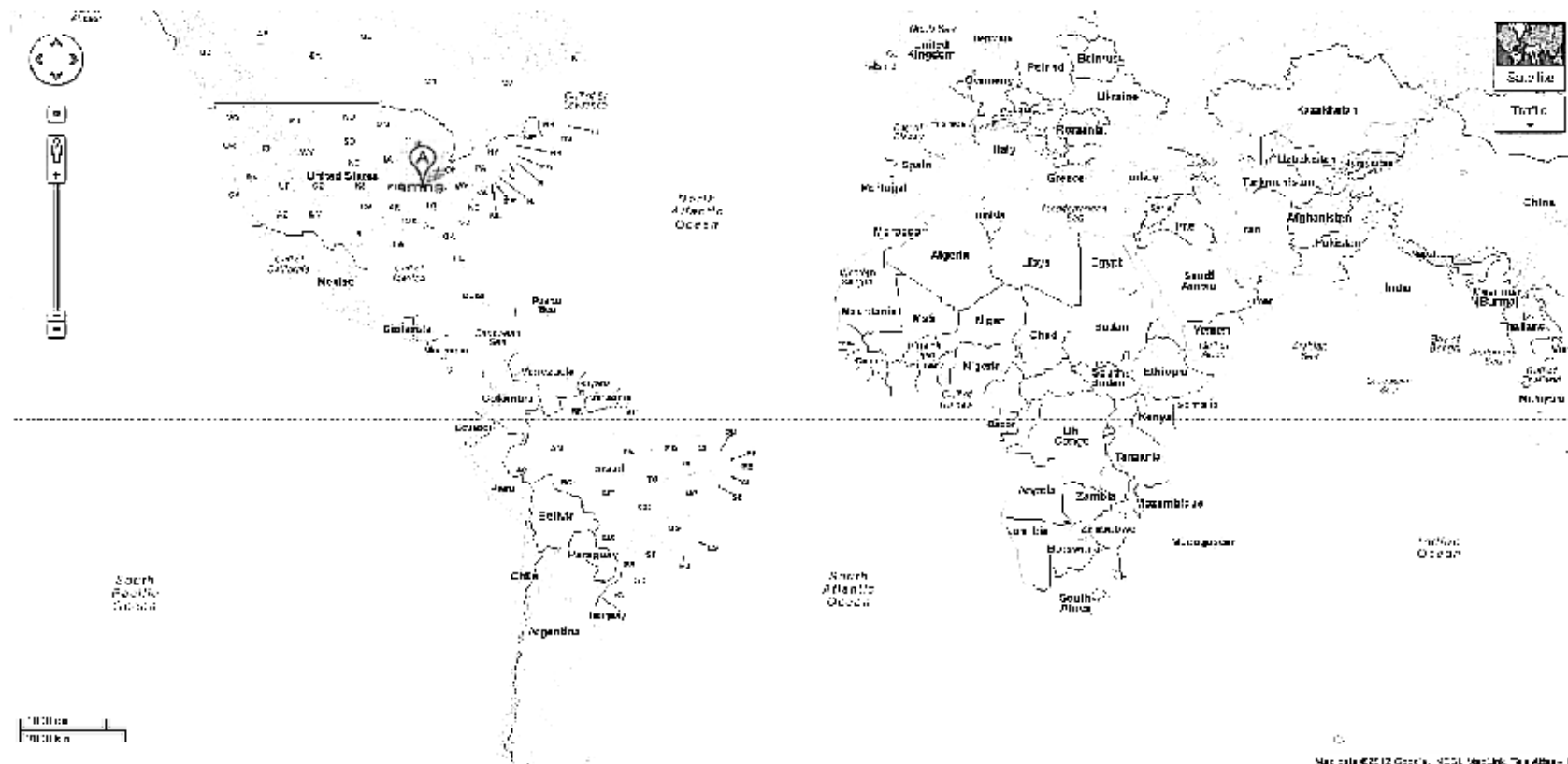
1. Choose Location

2. Select Ecosystems

3. Edit Ecosystem

4. View Calculator Results

Choose a location to find ecosystems:



Map data ©2012 Google, NOAA, MapLink, The Atlas - IT

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1. Choose Location

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For the location you specified in step 1, we found the following ecosystems:

Native

Select	Ecosystem Name	Description
<input type="checkbox"/>	Tropical Peat Forest	Tropical wetland forest with significant peat accumulation.
<input checked="" type="checkbox"/>	Northern Peatland	Northern wetlands with significant peat accumulation.
<input checked="" type="checkbox"/>	Marsh & Swamp	Wetland without significant peat accumulation in any climate.
<input type="checkbox"/>	Tropical Forest	Unmanaged tropical (humid or semi-arid) forest with no recent disturbance.
<input checked="" type="checkbox"/>	Temperate Forest	Unmanaged temperate (humid or semi-arid) forest with no recent disturbance.
<input type="checkbox"/>	Boreal Forest	Unmanaged temperate (humid or semi-arid) forest with no recent disturbance.
<input type="checkbox"/>	Tropical Savanna	Unmanaged tropical savannas ranging from grassland savannas to savanna woodland.

Aggrading

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1. Choose Location

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In step 2, you selected the following ecosystems. In this step, edit the ecosystem parameters:

Ecosystem Name	Description	
Northern Peatland	Northern wetlands with significant peat accumulation.	Edit
Marsh & Swamp	Wetland without significant peat accumulation in any climate.	Edit
Temperate Forest	Unmanaged temperate (humid or semi-arid) forest with no recent disturbance.	Edit

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1. Choose Location

Calculator Results

In step 2, you select

Ecosystem Name

Northern Peatland

Marsh & Swamp

Temperate Forest

Northern Peatland

Northern wetlands with significant peat accumulation. Includes bogs, fens, and forested peatlands. No recent disturbance or drainage.

Initial Storage of Organic Matter

Aboveground biomass: live (Mg/ha)

100

Root biomass (Mg/ha)

17.6

Dead wood (dead trees, coarse woody debris) (Mg/ha)

3.2

Litter (Mg/ha)

0

Peat (Mg/ha)

944.4444

Potential Soil Organic Matter loss (Mg/ha)

110.6987

Land-Clearing Fire Characteristics

Organic Matter Decomposition Following Clearing

Ongoing (Annual) Greenhouse Gas Exchange

Age-Dependent Changes in Annual Greenhouse Gas Exchange

Save Changes

Cancel

Restore Defaults

Run Calculator

Edit

Edit

Edit



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1. Choose Location

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Running the calculator....

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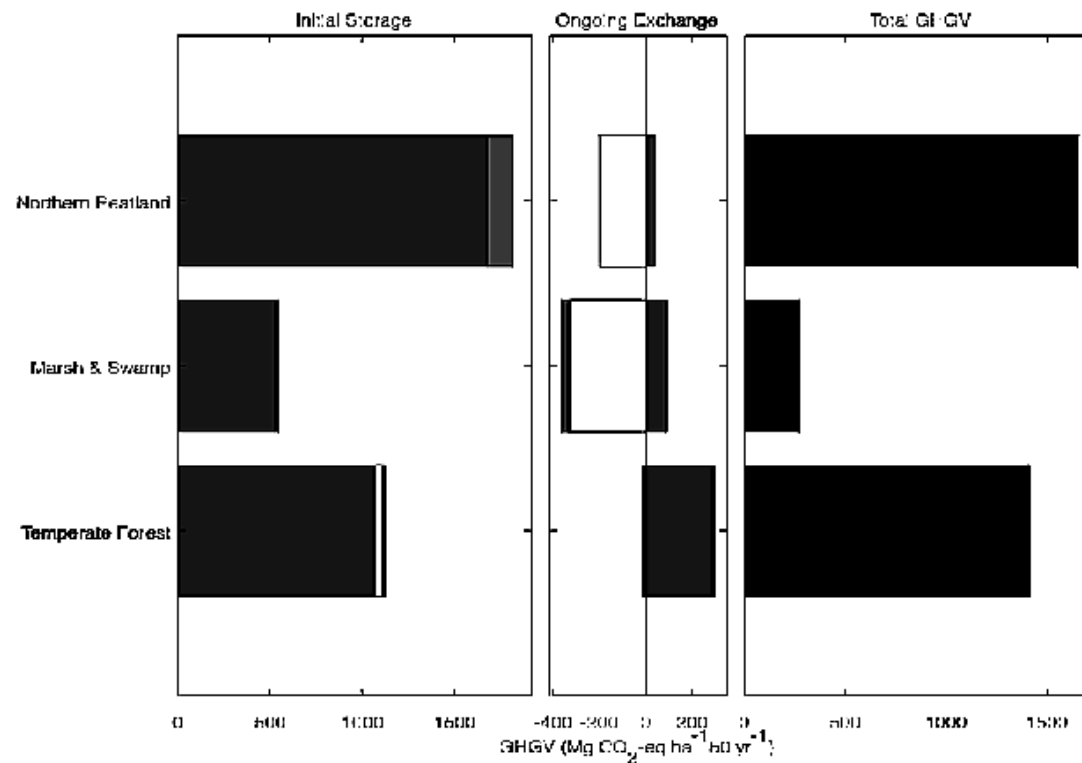
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1. Choose Location

2. Select Ecosystems

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■ - CO₂ □ - CH₄ ■ - N₂O**IMPORTANT NOTE**[View as PNG](#)[Start Over](#)



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These options apply to all the ecosystems included in the calculation:

Components of GHGV:

- ☒ Initial Storage (GHG release that would occur upon clearing organic matter)
- ☒ Ongoing Exchange (Annual ecosystem-atmosphere GHG exchange)
- ☐ Forest Fires (Probable GHG exchanges from natural disturbance-recovery dynamics)

Greenhouse Gases:

- ☐ Carbon Dioxide (CO₂)
- ☐ Methane (CH₄)
- ☐ Nitrous Oxide (N₂O)
- ☒ All Three

Treatment of Time:

Emissions Time Span:

Analytical Time Horizon:

Annual Discount Rate:



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Report Bug

Please report any bugs and problems encountered while trying to use this site. Thank you!

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Contact Us

You can contact us via the email addresses below:

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About

The GHGV calculator is currently in beta-testing phase prior to official public release. We hope you will try it, and would love to hear any feedback you may have.

About Greenhouse Gas Value

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Name:

Email:

