



UPDATES FROM THE SCIENTIFIC WORKING GROUP AND OTHER RELEVANT SCIENTIFIC ACTIVITIES

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*International Blue Carbon Policy Working Group
European Parliament*

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International Blue Carbon Scientific Working Group

Near term

- Publication of science
- Support of IPCC
 - Wetlands GHG national accounting (update 2013)
- Global Coastal Carbon Data Archive
 - Development of emissions factors
- Guidance documents
 - Field data collection
 - National assessment
- Inform developing policy

Long term

- Scientific guidance
- Global network development
- Demonstration and publication

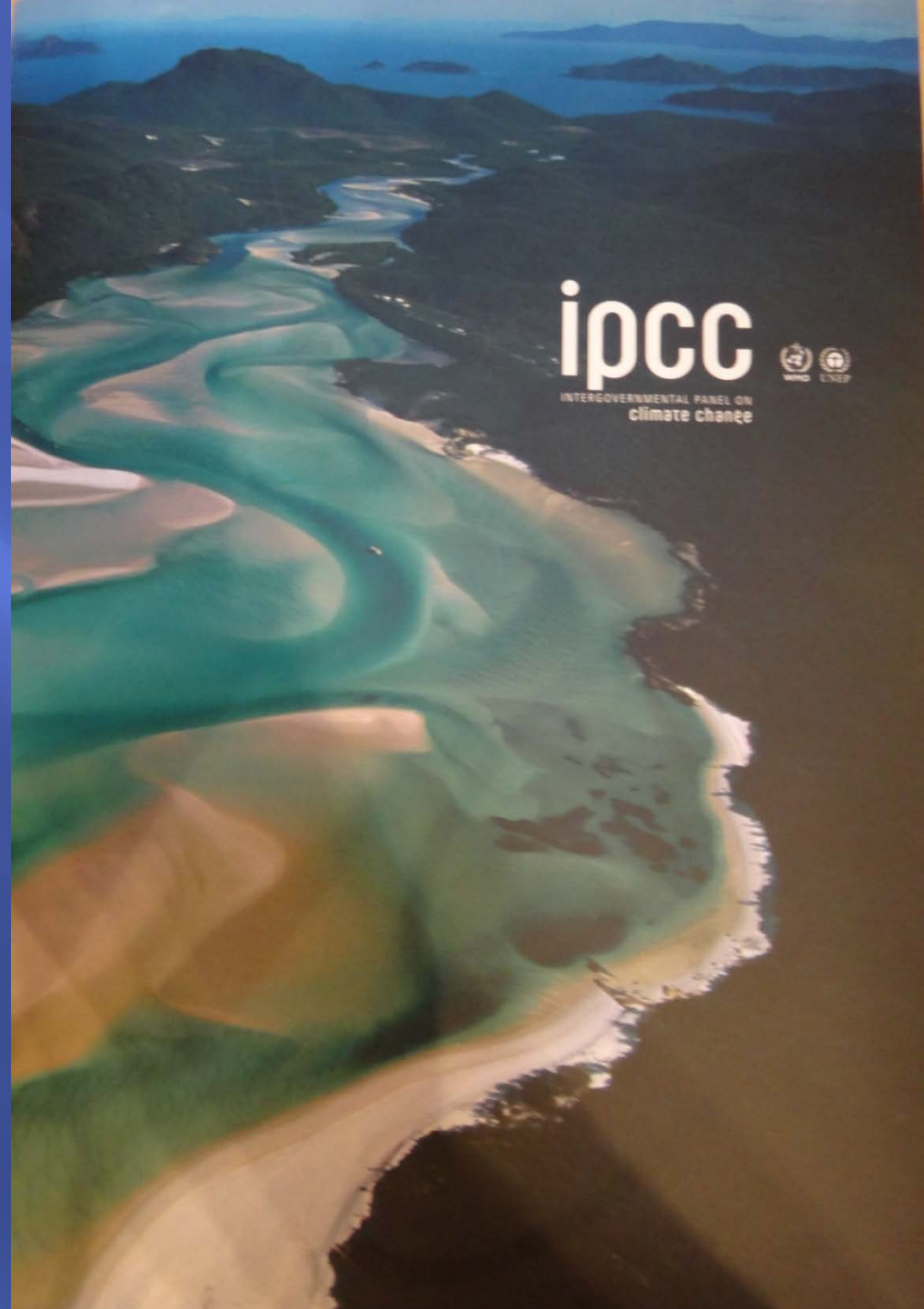


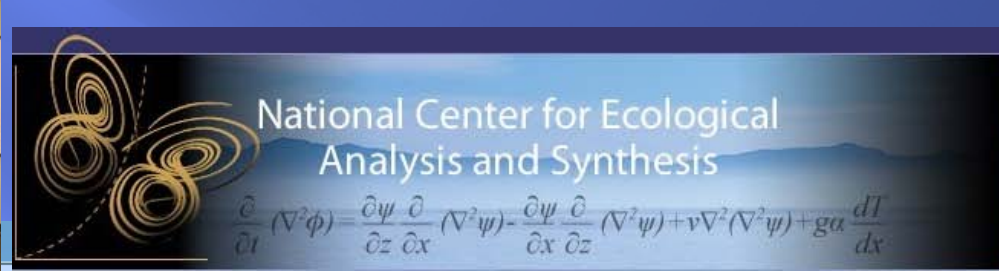
Supplement to
IPCC 2006
Guidelines For National
Greenhouse Inventories

Additional consideration
of wetlands

Peatlands
Coastal wetlands
Other wetlands

Due 2013





[out](#)
[Formulas](#)
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Options

☐ Simulate Restoration
☒ Use my biomass depth profile
☐ Biomass Seasonality

Physical Inputs

Century Sea Level Rise	24	cm
Mean High Water	186	cm NAVD
Mean Sea Level	105	cm NAVD
Initial Rate SLR	0.24	cm/yr
Suspended Sed. Conc.	100	mg/l
Marsh Elevation	175	cm NAVD

Biological Inputs

max elevation	206.0	cm
min elevation	85.0	cm
max peak biomass	1600	g/m2
OM decay rate	-0.8	1/year
BGBio to Shoot Ratio	3.6	g/g
Refrac. Fraction (kr)	0.05	g/g
BG turnover rate	1.3	1/year
Max (95%) Root Depth	20	cm

Trapping Coef & Settling Velocity

ks	1.24E-02	cm ⁻¹ yr ⁻¹
q	1.27E-03	g cm ⁻³ yr ⁻¹

Run Simulation

MEM 3.4

Restore Inputs

Avg. Standing Biomass (g/m2)

Depth (cm below MHW)

Sediment Org. Matter (%)

Standing Biomass (g/m2)

Marsh Elevation (cm NAVD)

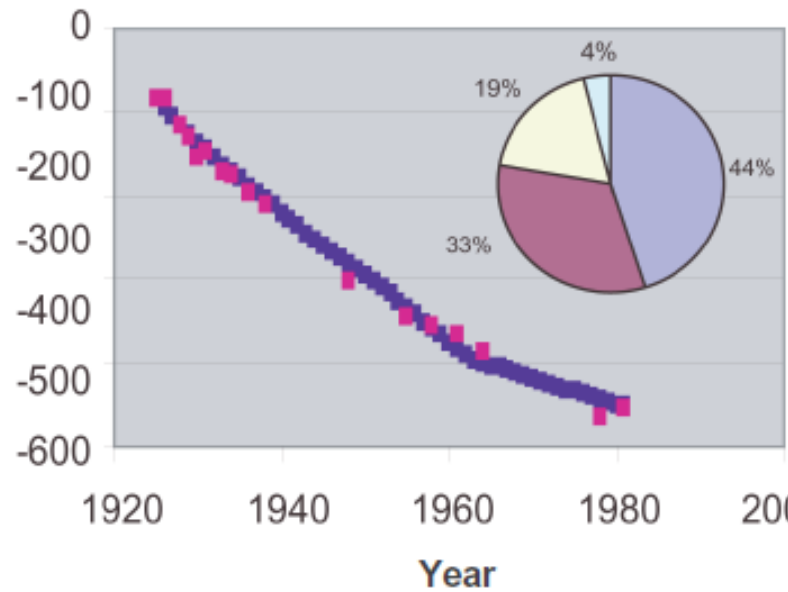
Caccretion (tons C / (ha yr))

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 JT Morris 6-9-10

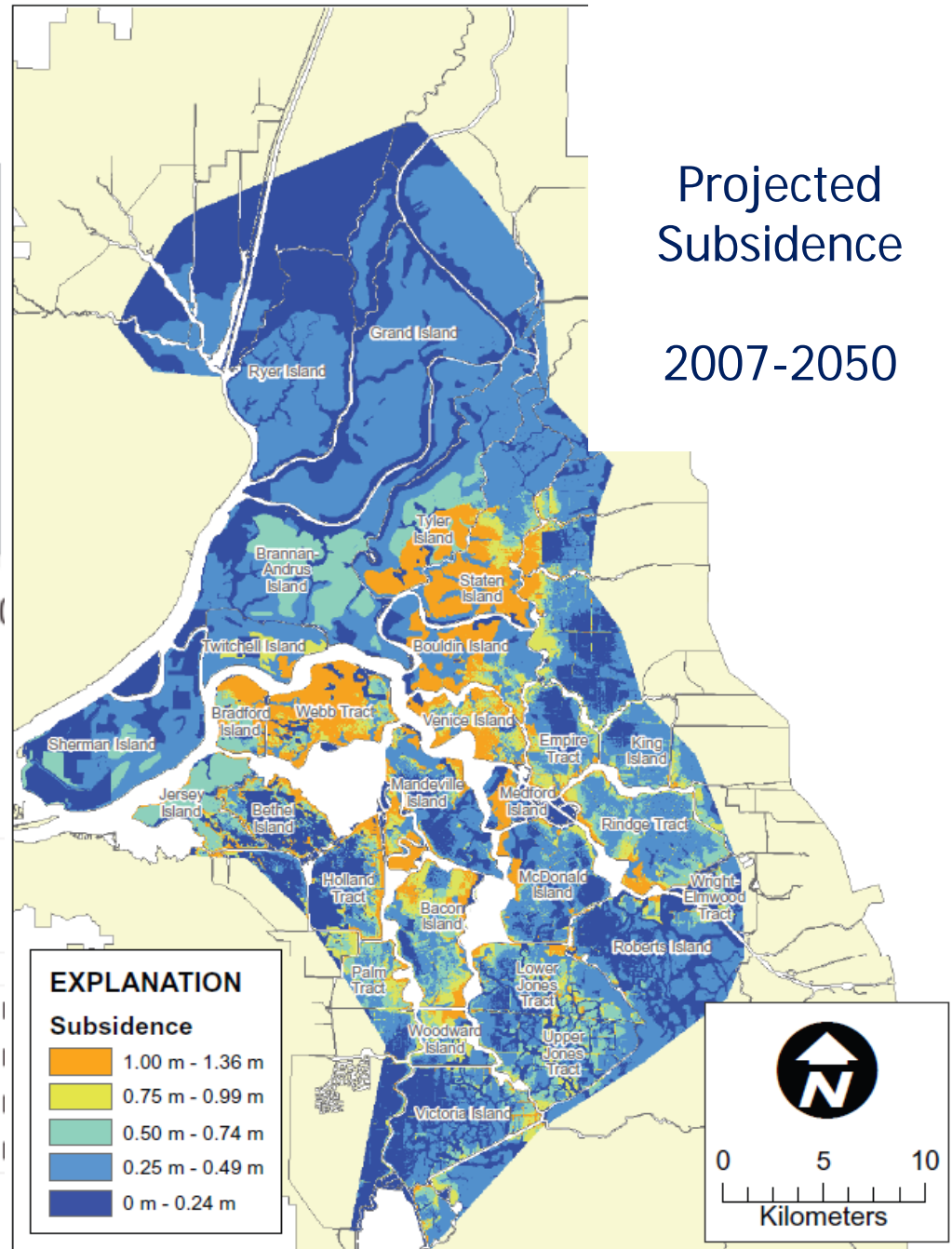
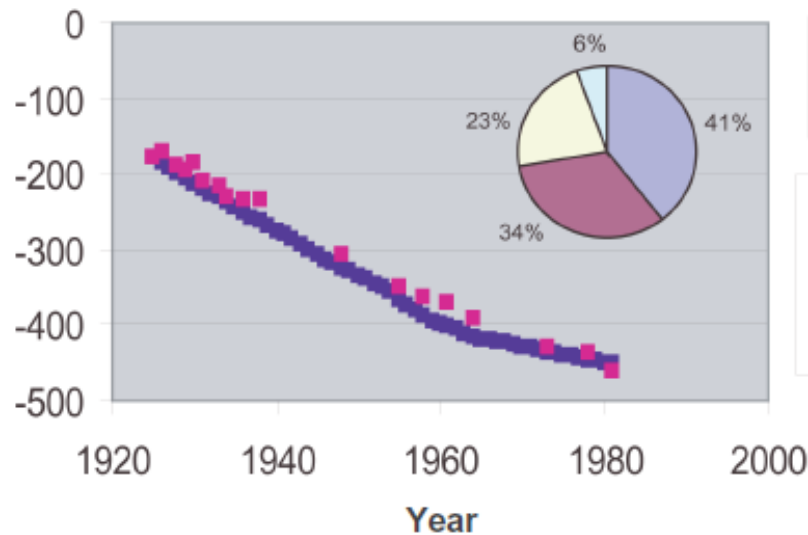
[IO_Page](#)
[Instructions](#)
[Numerical_Output](#)

Ready

Mildred



Lower Jones



Deverel and Leighton 2010

Other Activities

- ▣ Verified Carbon Standards exploring inclusion of wetland restoration and conservation projects under requirements
- ▣ Decision framework for assessing additionality in progress
 - (NOAA Funded 2011-2012)
- ▣ Science study examining connection between carbon and nitrogen dynamics
 - General wetlands methodology and public guidance to be developed
 - NOAA Funded 2011-2014
- ▣ Network of Blue Carbon Working Groups
 - US Federal Agency, World Bank, Indonesia, Brazil, California, Australia (?)