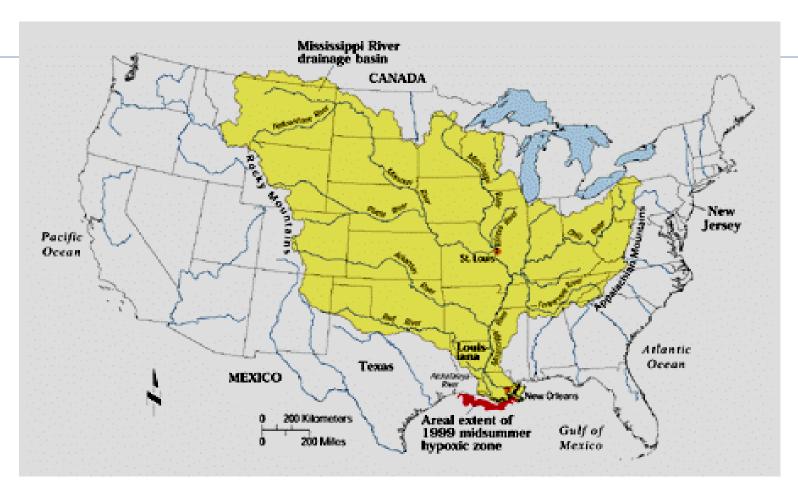
The Use of Water Quality Trading and Wetland Restoration to Address Hypoxia in the Gulf of Mexico

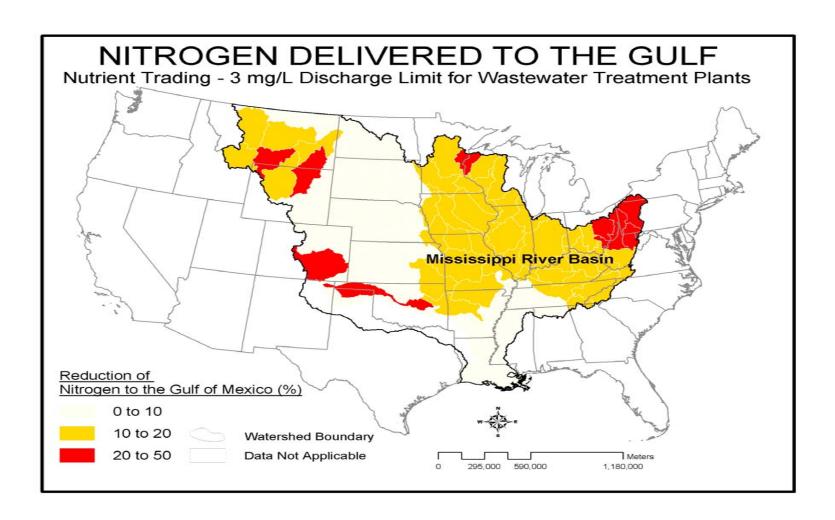
Paul Faeth & Tracy Mehan



Hypoxia in the Gulf of Mexico

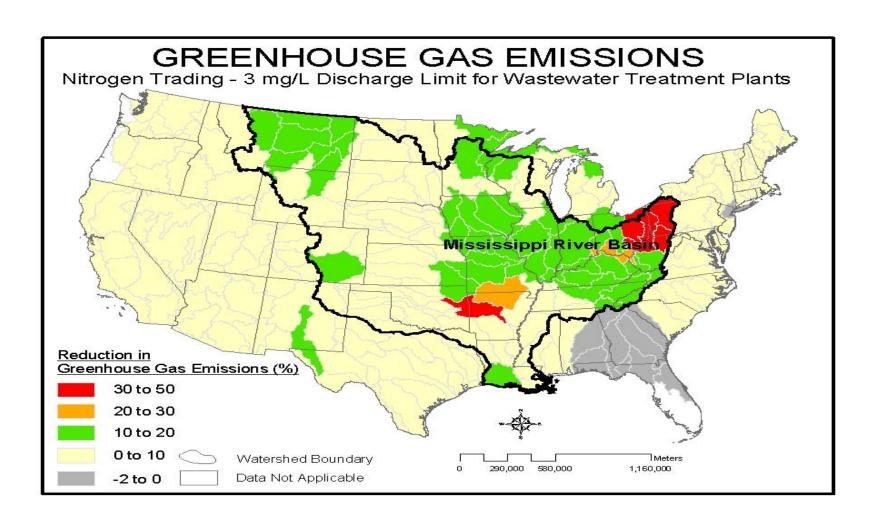


Regional Impacts



MALLER

Regional Impacts



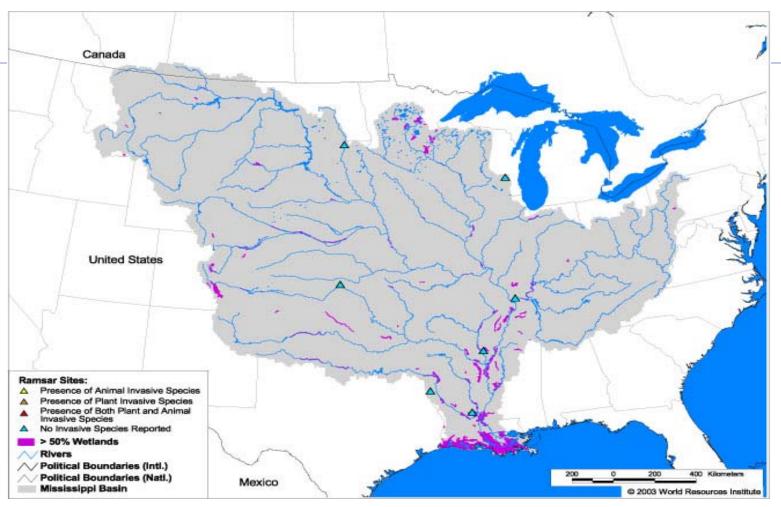




Nitrogen reduction costs using wetlands

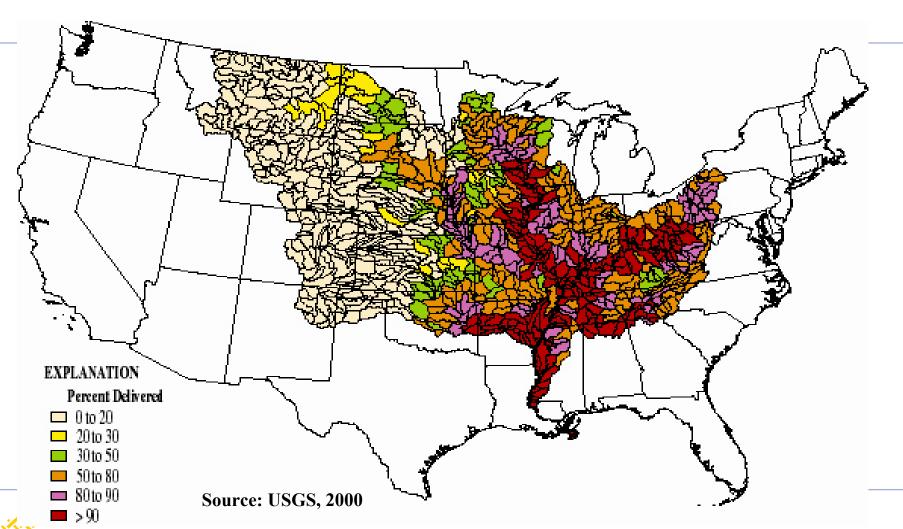
| Source | \$/lb of N | \$/acre of wetland |
|-------------|---------------------------------------|-----------------------------------|
| Hey | \$0.27 | \$137 |
| Purdue | \$2.75 - \$5.41 (-\$0.99 - \$1.94) | \$368 - \$781 (-\$132 - \$280) |
| CENR | \$0.87 - \$1.37 | \$495 - \$2191 |
| HLD project | \$0.280 - \$1.30 | \$111 - \$514 |
| NutrientNet | \$0.90 | \$300 |

Wetlands in the MRB

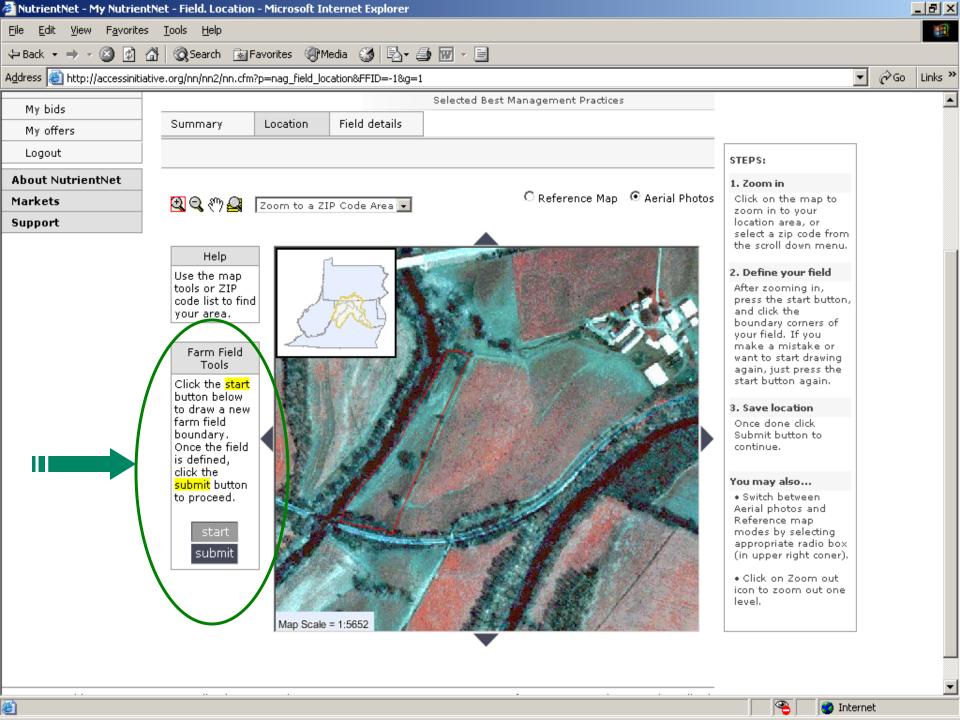


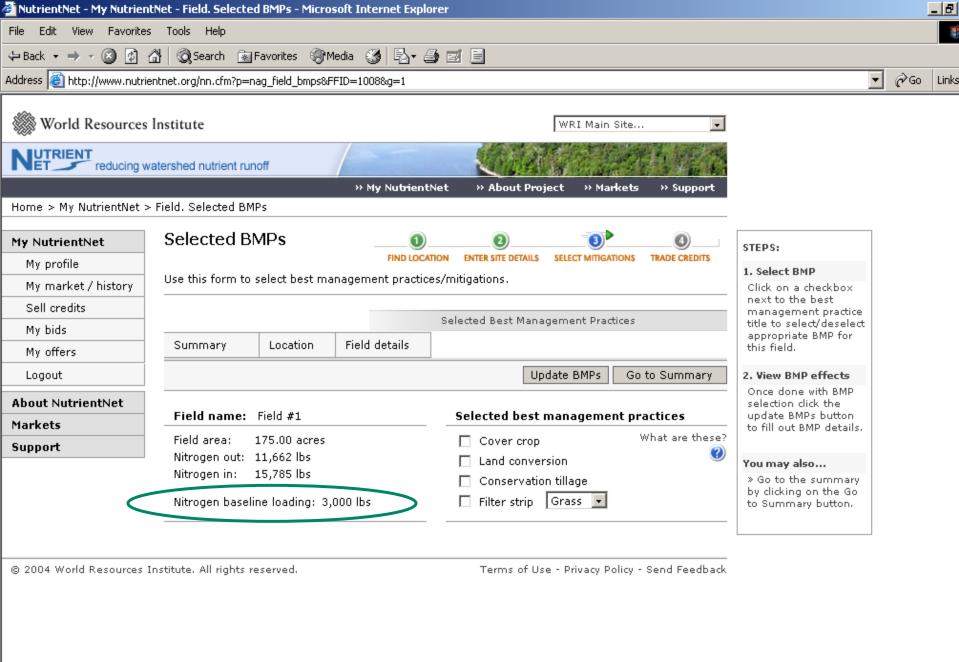


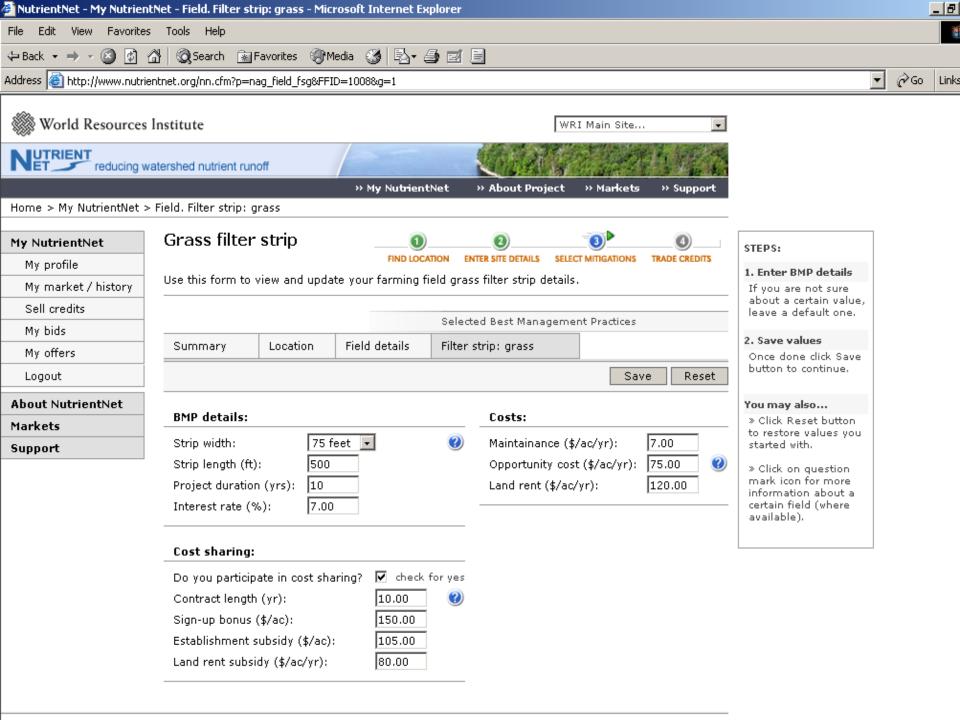
N Delivery Ratios

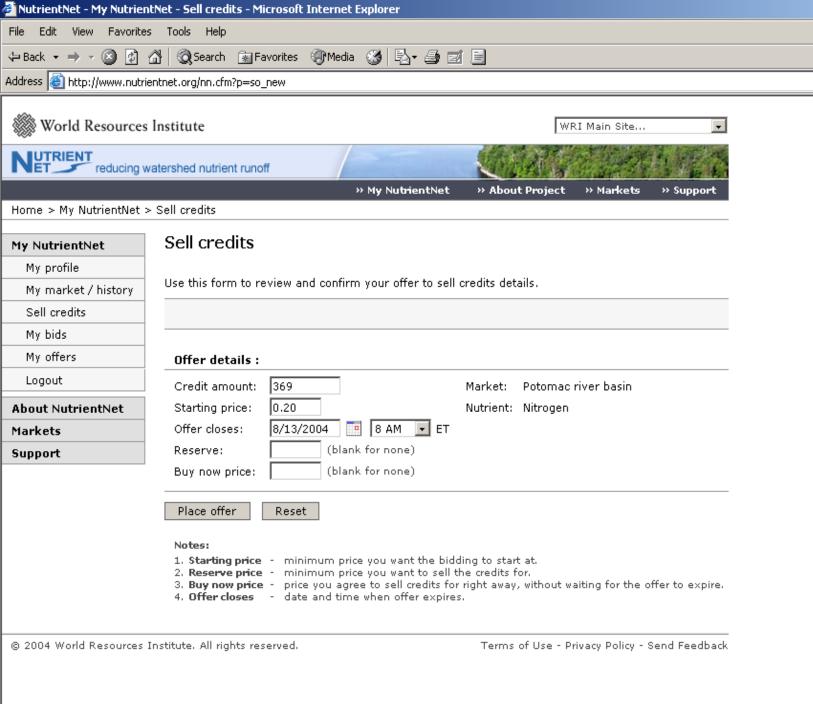












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Links

r∂Go |



Drivers for Trading

- Water Quality Standards (P and/or N)
- TMDLs, NPDES Permits
- Greenhouse Gas (GHG) credits
- Say's Law (sort of): supply creates the demand
- Brokers, bankers, aggregators



