

Domestic Case Studies





Rice Cultivation for Habitat and Greenhouse Gas Mitigation

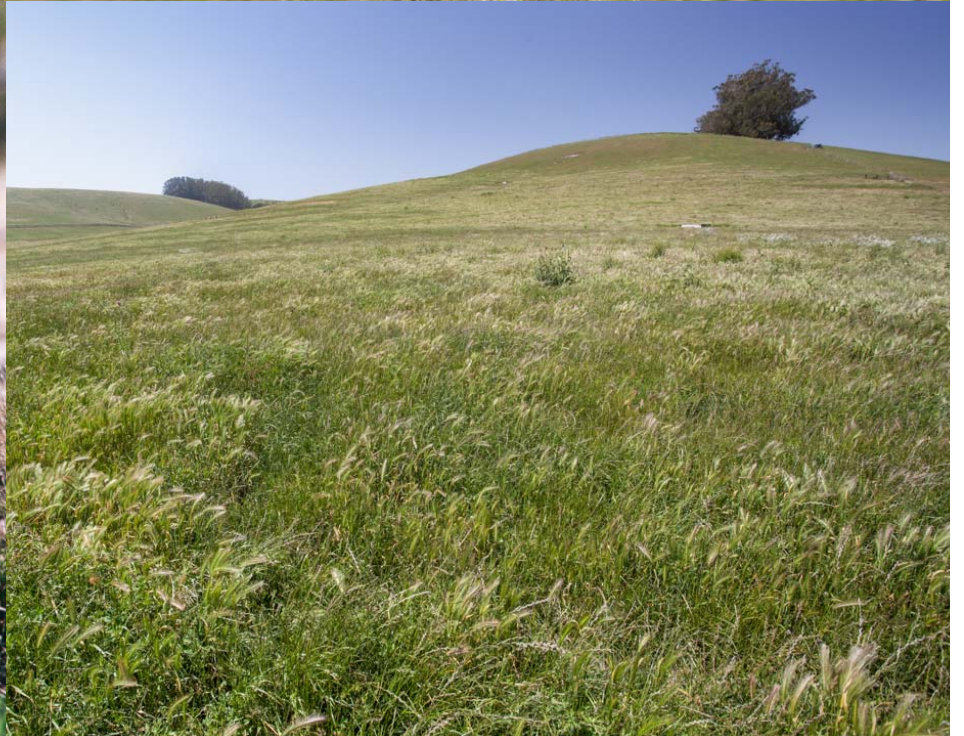


Rice Cultivation for Habitat and Greenhouse Gas Mitigation

Environmental benefits created	Carbon mitigation, habitat
Potential credits	Carbon credit, habitat credit
Goal(s)	Decrease global GHG emissions and increase wetland bird diversity (species habitat)
Market demand and driver(s)	Companies that need offsets for carbon emissions and developers that need offsets for impacting habitat
Quantification of outcomes	Carbon protocols, habitat handbooks
Tool(s) or model(s)	Biogeochemical model, habitat quantification tool
Management activity(ies)	Changing the timing or duration of field flooding, flooding and not baling
Legal status of market(s)	Compliance to California cap-and-trade AB32 and Habitat Exchanges for Endangered Species Act



Grassland Conservation for Habitat and Greenhouse Gas Sequestration



Grassland Conservation for Habitat and Greenhouse Gas Sequestration

Environmental benefits created	Carbon sequestration, habitat
Potential credits	Carbon credit, habitat credit
Goal(s)	Decrease global GHG emissions and increase habitat for endangered species
Market demand and driver(s)	Companies that need offsets for carbon emissions and developers that need offsets for impacting habitat
Quantification of outcomes	Carbon protocols, habitat handbooks
Tool(s) or model(s)	Biogeochemical model or Tier 2 model, habitat quantification tools
Management activity(ies)	Preventing conversion of soils and activities that would release sequestered carbon, activities to improve Lesser Prairie Chicken habitat
Legal status of market(s)	Voluntary American Carbon Registry Protocol and Habitat Exchanges for Endangered Species Act

International Case Studies

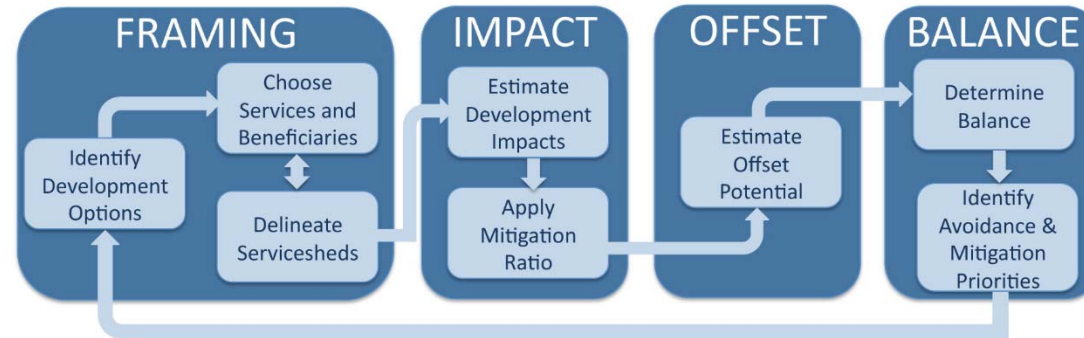




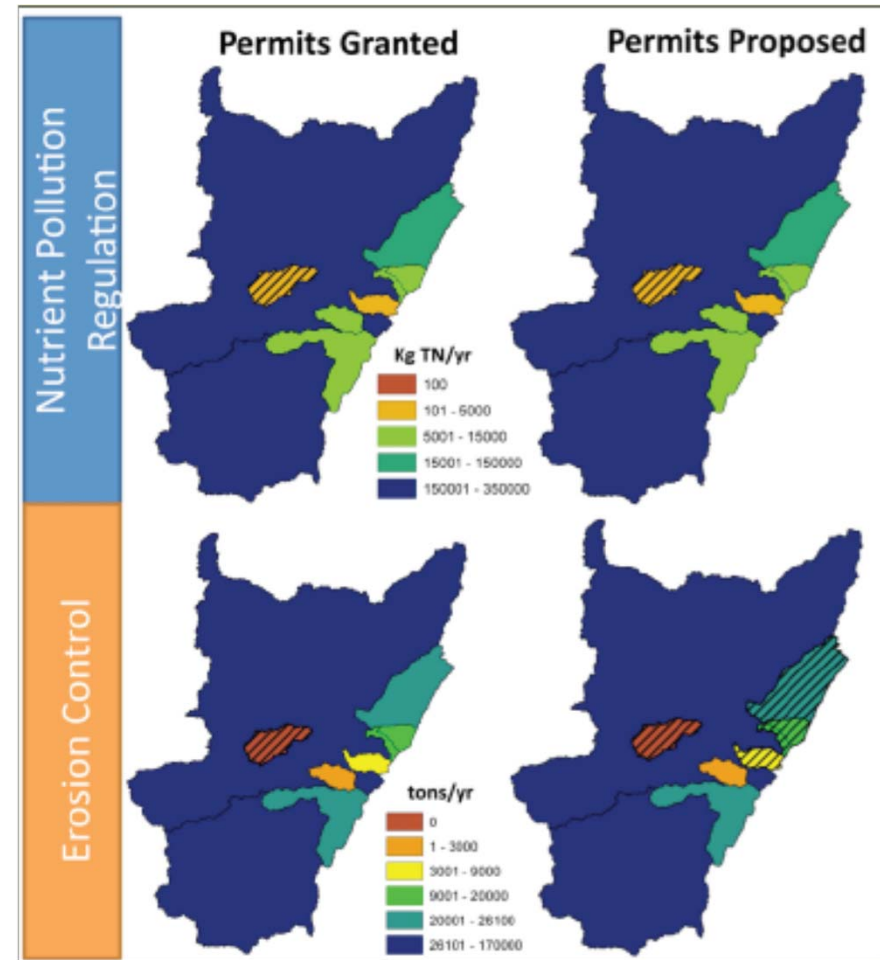
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Preservation and Restoration of Forests for Water Quality and Silt Control

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Wildlife-friendly Farming Practices and Bird Nest Protection for Species Conservation

Wildlife-friendly Farming Practices and Bird Nest Protection for Species Conservation



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Amy Rosenthal
Natural Capital Project/WWF
Amy.Rosenthal@wwfus.org

Sara Snider
Environmental Defense Fund
ssnider@edf.org

Discussion Questions

- Review the different types of environmental incentives being offered.
- Identify existing and potential buyers and sellers.
- What are the a) legal b) economic drivers in each of these markets? In other words, what laws and demand make these markets possible?
- Would net biodiversity benefits more likely be achieved by having more than one market or incentive operating at once in these scenarios?

Discussion Questions

- Are legal assurances needed for market participants, can/should legal assurances and environmental markets or incentives be combined in these cases?
- What are some of the risks or benefits of multiple markets and programs operating simultaneously in these cases? Is there a danger of double-counting?
- What would you measure for these markets or incentives if you are most interested in environmental outcomes?
- Please offer up at least one recommendation for achieving net biodiversity benefits, in one or more of the case studies.

Extra slides follow



Forest restoration & preservation

Environmental benefits created	Habitat, water quality, silt control
Potential credits	offsets
Goal(s)	Avoid negative social and environmental impacts of development
Market demand and driver(s)	Coal companies that need to offset their environmental, social impacts and government to permit mining build-out
Tool(s) or model(s)	TNC's Development by Design framework, InVEST
Management activity(ies)	Protection, restoration of forest habitat
Legal status of market(s)	Colombia biodiversity mitigation law, proposal for ecosystem service mitigation



Wildlife protection

Environmental benefits created	Habitat conservation, protection of water birds
Incentives	Ecotourism, premium price, conservation payment
Goal(s)	Protect endangered water birds and their habitat and support rural communities
Market demand and driver(s)	Birdwatchers and certification-oriented rice buyers and listing of endangered species
Tool(s) or model(s)	Field study, population studies, habitat quantification tools
Management activity(ies)	Protecting bird nests, conducting ecotourism, growing rice and conserving habitat
Legal status of market(s)	Contract-based exchanges

