Flow Effects in the Greater Everglades

Workshop Summary

GEER 2010
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Theme: “Engaging Managers with the Emerging Scientific Consensus”
Hypothesized Causes of Landscape Degradation
- Lower water levels
- Decreased flow velocity
- Increased Phosphorus Inputs

Science Coordination Team, 2003; National Research Council, 2003
Points of Consensus – Flow Workshop

- Sheet flow (velocity x depth) is integral to sustain the valued ecosystem services of the ridge-slough-tree island landscape.
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- Restoration of sheetflow in a direction parallel to landscape “grain” is necessary to restore partially degraded areas but may not be sufficient to restore the most severely degraded areas.
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- Conditions required to restore landscape are not the same as conditions needed to form the patterned landscape in the first place.
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- improved early warning and landscape pattern change indicators