



# **ITRC TEAM PRODUCTS**

**Creating Benefit in a Re-Use Setting**

# 2002 Rev Tech Conclusions

- The term 'Regulatory Acceptance is confusing
- Need Institutions which can transfer information to avoid reinvention of the wheel
- Need to showcase success stories
- Reciprocal interstate agreements should be explored to benefit multi-site companies

## 2002 Conclusions (Con't)

- State and Federal agencies should work to 'bundle' similar projects under a single manager
- Need to provide training for project managers
- Clean-up is the means to an end – the objective is re-use of sites

# Stakeholder Involvement

- Stakeholders are everyone involved
- Trust, or lack of it is an underlying issue
- Creation of a 'scorecard' as a measure of habitat improvements and ecological enhancements

# **Achieve Improved Environmental Management**

- The concept of ‘pristine’ is not realistic
- It would be useful to identify specific technologies that are proven and highlight where they might be applicable
- Risks and benefits based upon science
- Learning, knowledge, performance

# Promote Ecological Enhancements through Communication

- Highlight success stories (case studies)
- Create a correct critical path in decision making
- Regulators need to be educated
- Communicate, Communicate, Communicate!!!



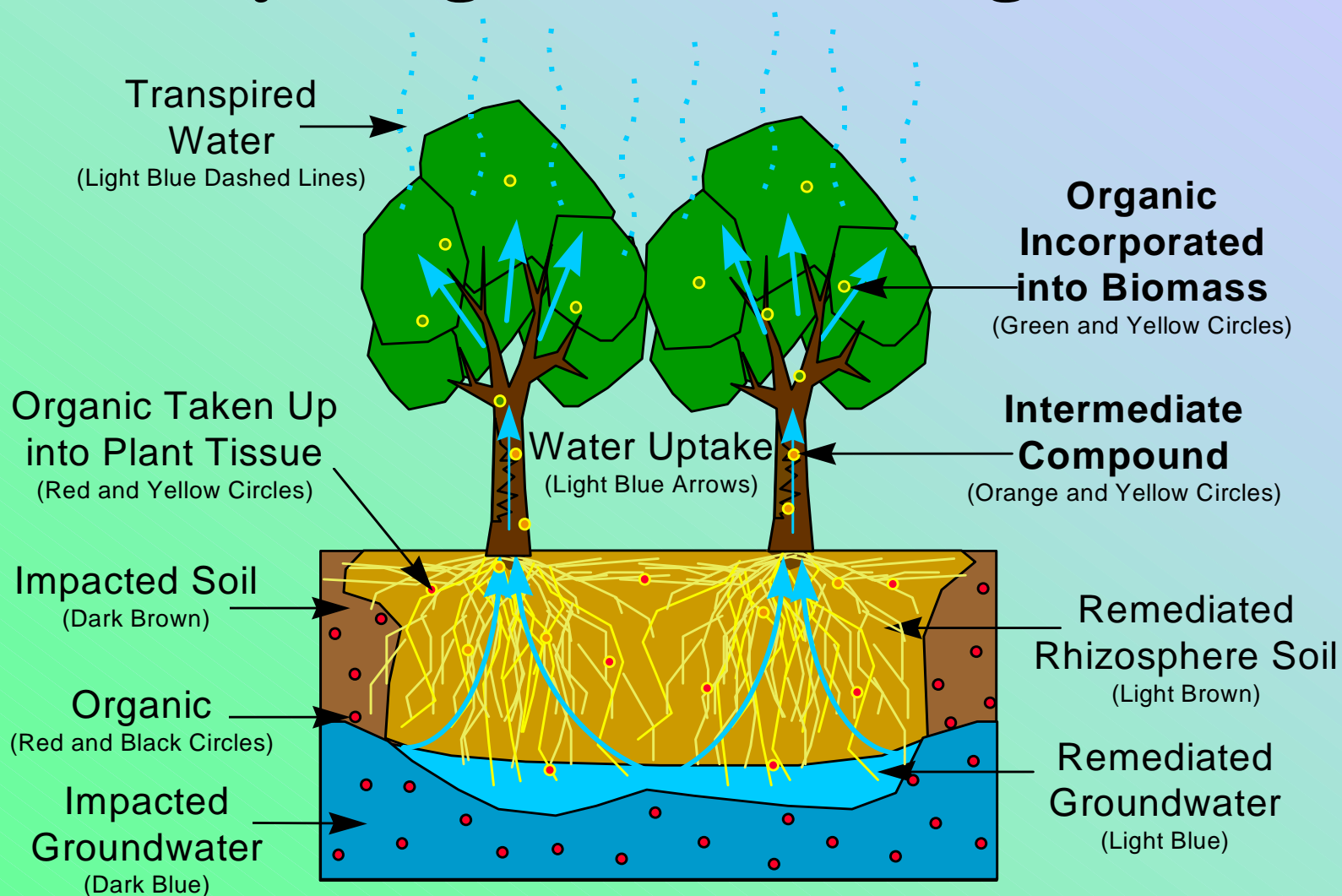
# The Case for Ecological Enhancements



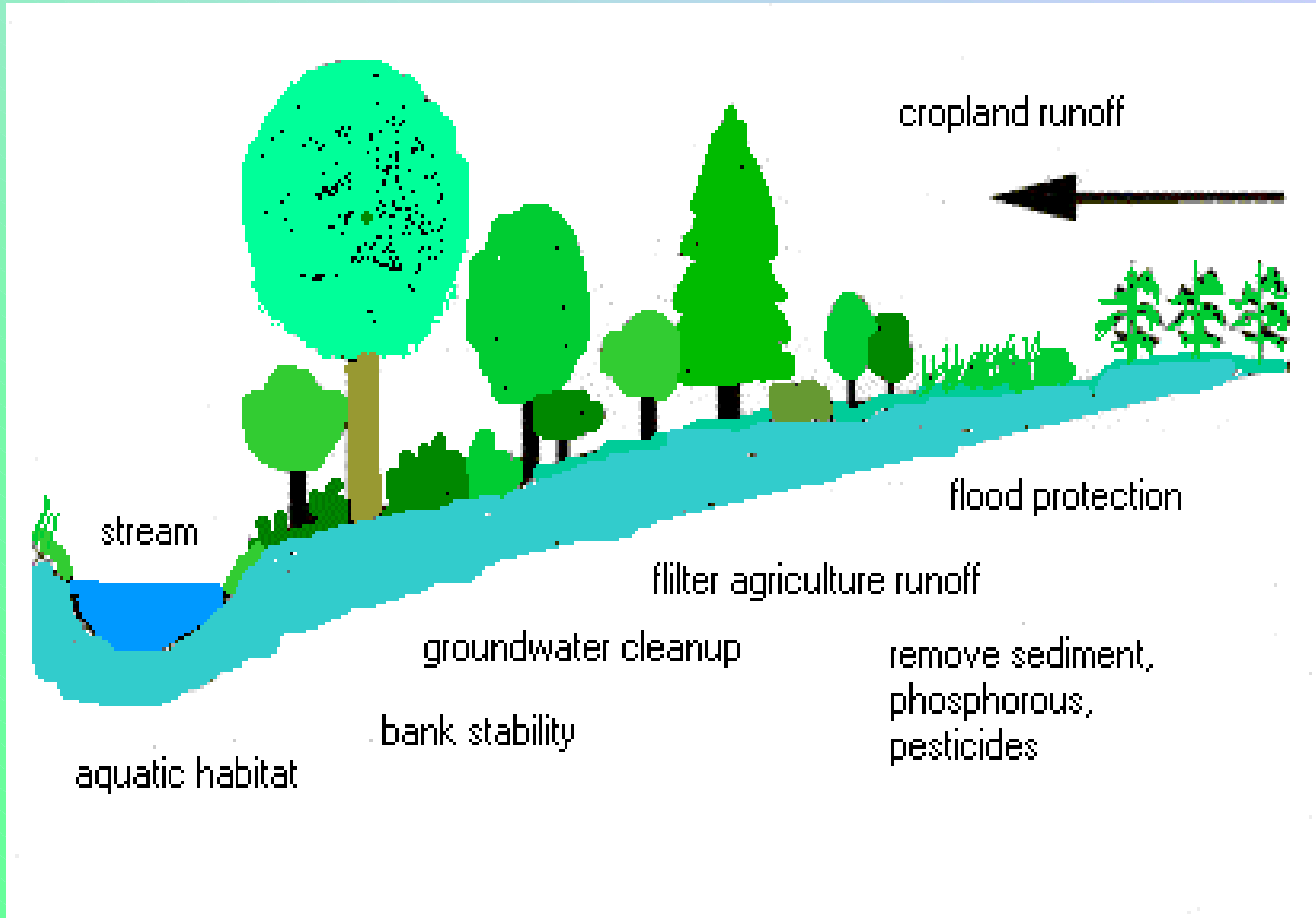
# Ecological Enhancement

- Modify a site to increase/improve habitat for plants and animals while protecting human health and the environment
- Incorporate ‘green’ technologies into planning and implementation
  - both interim and final strategies
- Propose an end-use which restores/increases the ecological value of the site

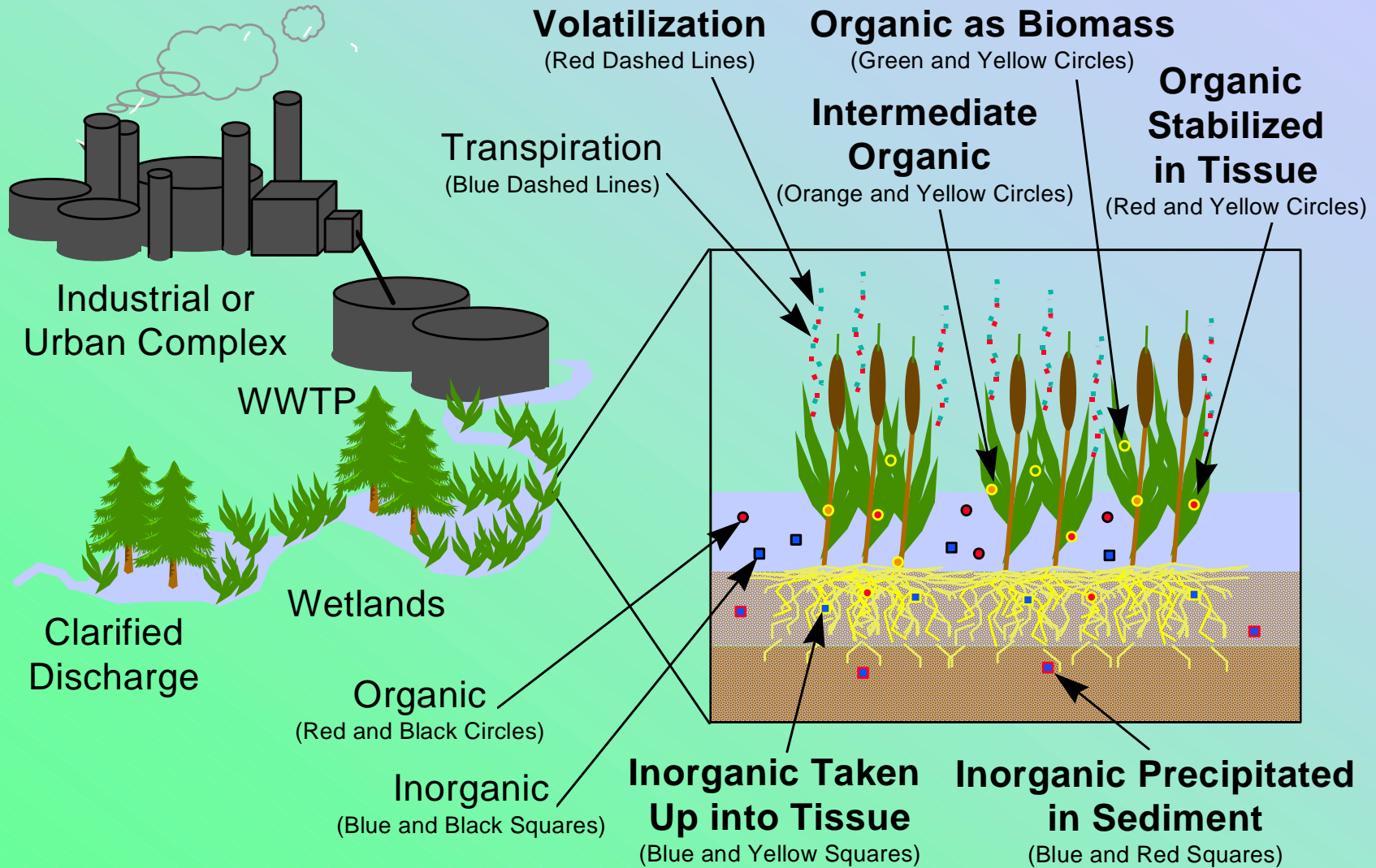
# Phytodegradation of Organics



# Riparian Buffers



# Constructed Wetlands



# Regulatory Barriers

- Temporary life-cycle of remediation vs. The long term sustainability character of habitat
- Currently no 'value' assigned to ecological enhancement of remediation systems incorporating green technologies
- Time

# **ITRC/WHC Partnership**

# ITRC Responsibilities

- Strive to streamline state regulatory input into joint ITRC/WHC activities
- Strive to obtain multi-state acceptance of innovative concepts and technologies
  - LUST
  - Brownfields
- Develop Ecological Enhancements Team
- Appoint ITRC Point of Contact with WHC

# WHC Responsibilities

- Actively support the use of ITRC guidance documents throughout WHC members
- Encourage participation in ITRC teams
  - Wetlands, Alternative Landfill Technologies, Brownfields, MTBE, and Training
- Track success stories
- Appoint a WHC Point of Contact with ITRC

# Let's Sign!!

Robert Mueller and Charles Johnson for  
ITRC

William W. Howard for the WHC

**Track the Progress**

**[www.itrcweb.org](http://www.itrcweb.org)**