

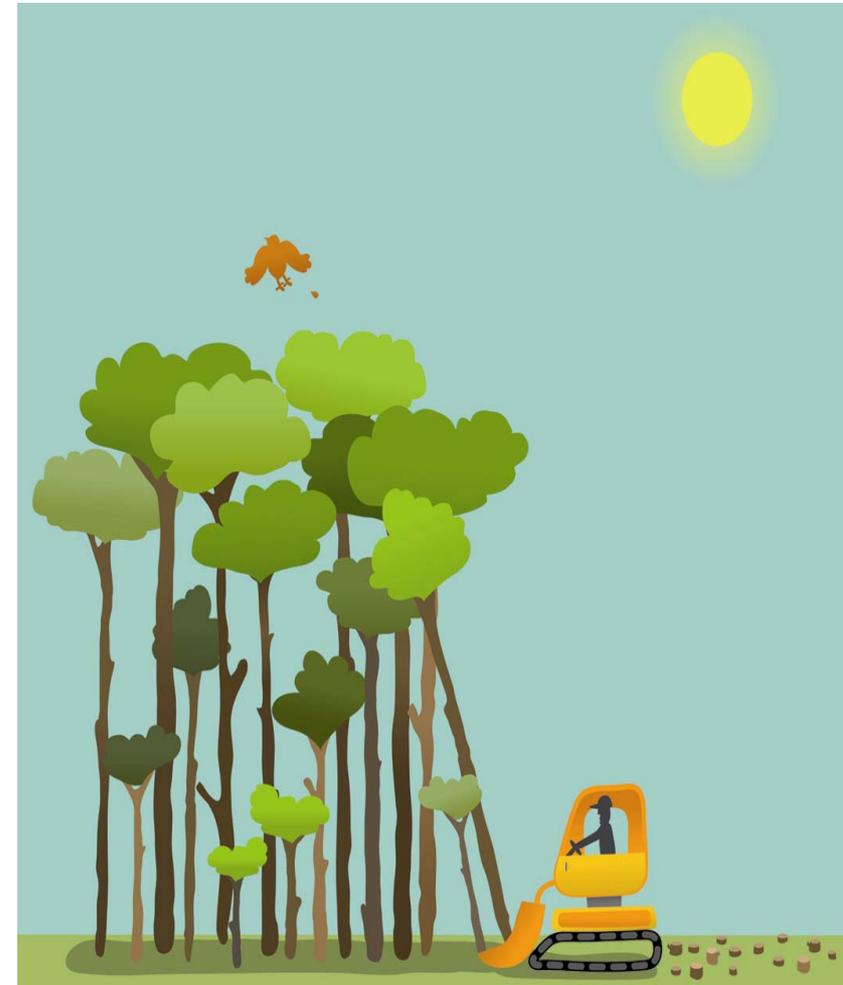


# Mitigation Principles 101

## Section 4.3 Basis of Review

## When is mitigation required?

- **Direct Impacts**
- **Secondary Impacts**
- **Cumulative Impacts**
- **However there are Exceptions**
- **Elimination and Reduction**



# Mitigation Types

- Preservation
- Enhancement
- Restoration
- Creation



## Mitigation Process

- What are your mitigation goals?



So now I  
need to  
mitigate,  
hmmmm  
mmm....



# Is the mitigation plan appropriate?

- **Location**
- **Type**
- **Function**
- **Long-term Viability**



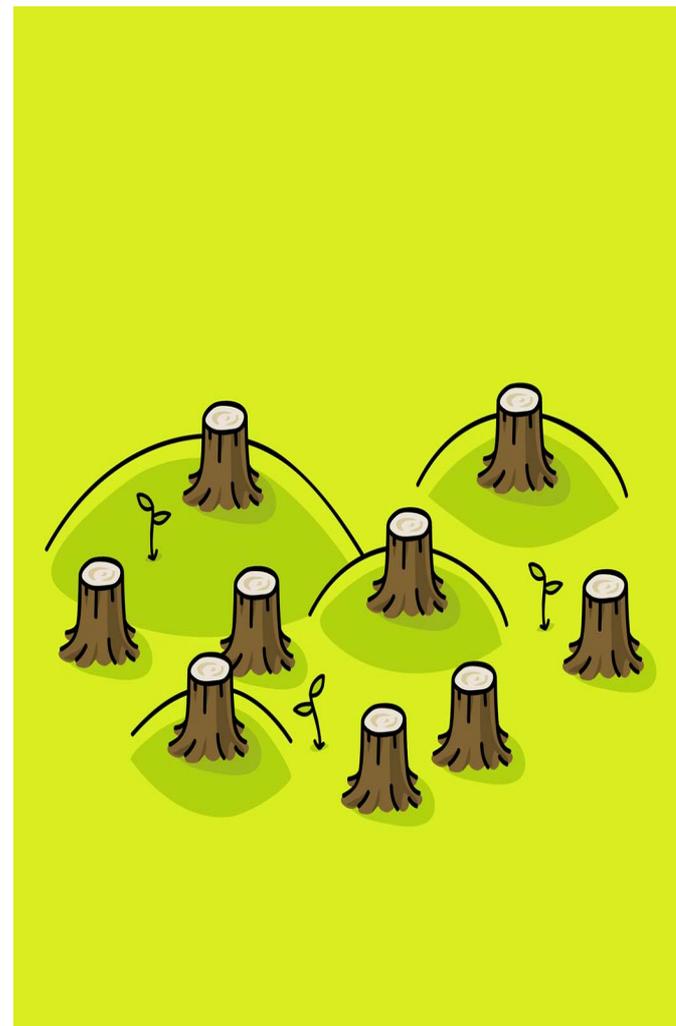
## How is the amount of mitigation determined?

- **UMAM (Uniform Mitigation Assessment Method)**
- **Ratios**
- **WRAP (Wetland Rapid Assessment Procedure)**



## On-site mitigation options

- Preservation
- Enhancement
- Restoration
- Creation



## On-site Wetland Mitigation Considerations:

- In basin!
- Perpetual Maintenance
- Monitoring
- Long-term Management
- Financial Assurances
- Construction-level Details
- Long-term viability/ Compatibility



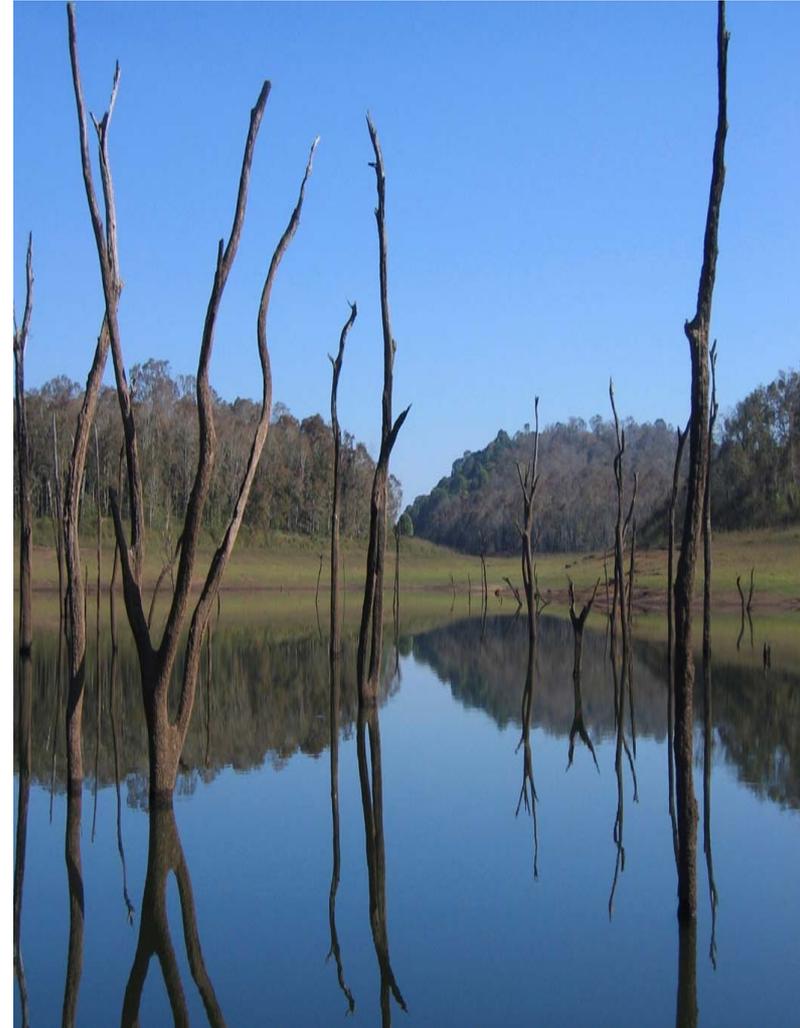
# Offsite Mitigation Options

- **Mitigation Bank**
- **Offsite Mitigation Area**



# Offsite Mitigation Considerations

- **Drainage Basin?**
- **Cumulative Impacts?**
- **Long-term Management**
- **Financial Assurances**
- **Construction-level Details**
- **Long-term Viability**
- **Compatibility**



## Legal Issues

- **Property Ownership**
- **Conservation Easements**
- **Deed Restrictions**
- **Other Encumbrances**  
(access easements, drainage easements, mineral rights, air space, etc.)



## Other Considerations

- Measurable Performance (Industry recognized) Standards
- Success Criteria
- Maintenance
- Monitoring
- Reporting



## Elements of a mitigation plan

- **Goals/Objectives**
- **Site Selection**
- **Site Protection**
- **Baseline information**
- **Functional Value**
- **Work Plan**



## Elements of a mitigation plan continued

- **Maintenance Plan**
- **Measurable Performance Standards**
- **Monitoring Requirements**
- **Long-term Management Plan**
- **Financial Assurances**



# Questions?

SFWMD

