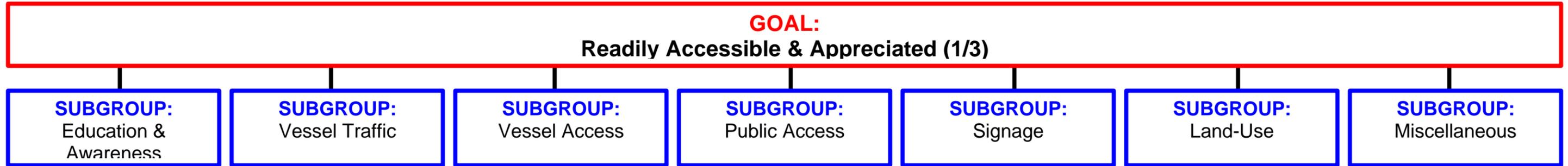
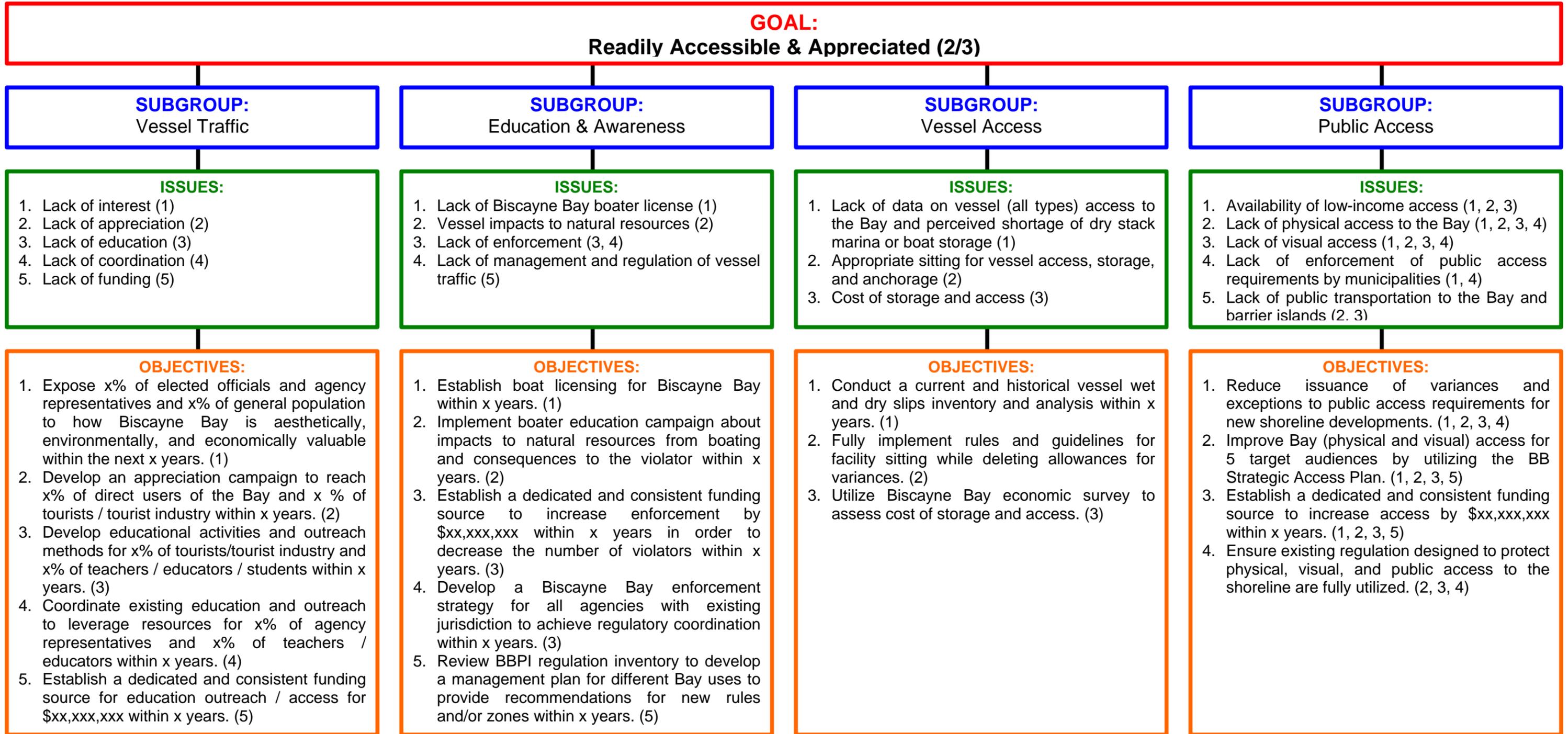


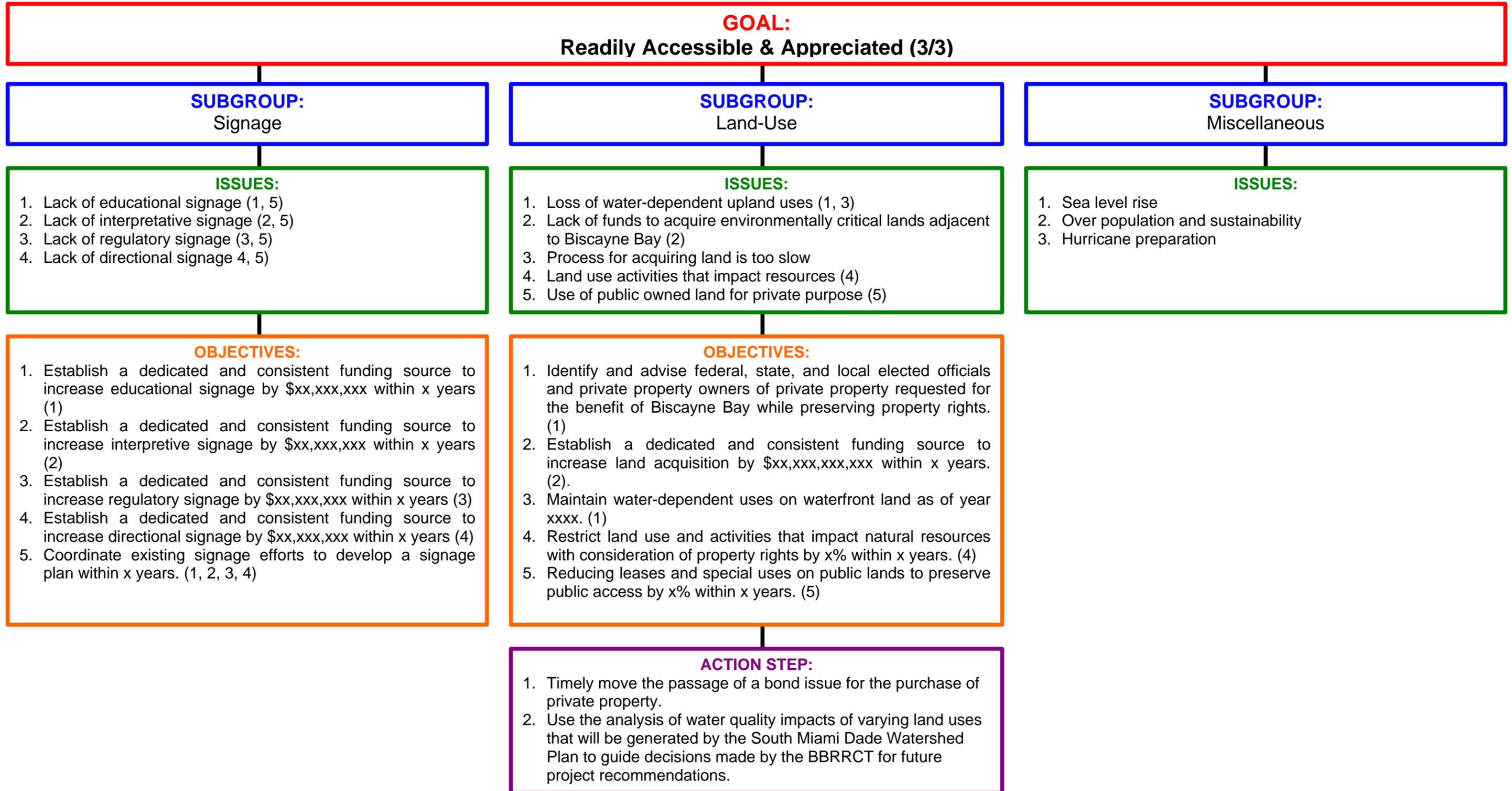
Biscayne Bay Regional Restoration Coordination Team: Goals & Objectives



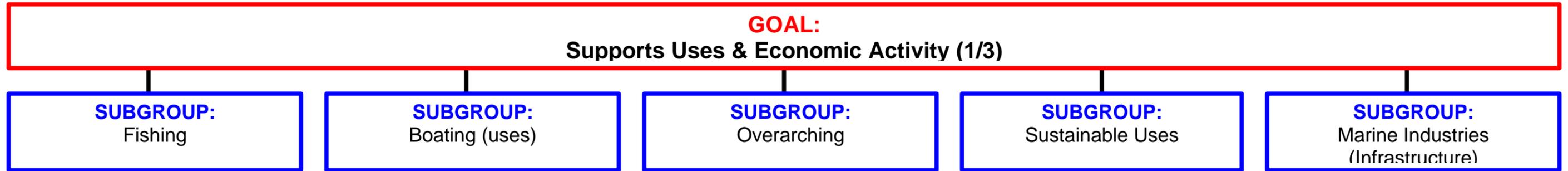
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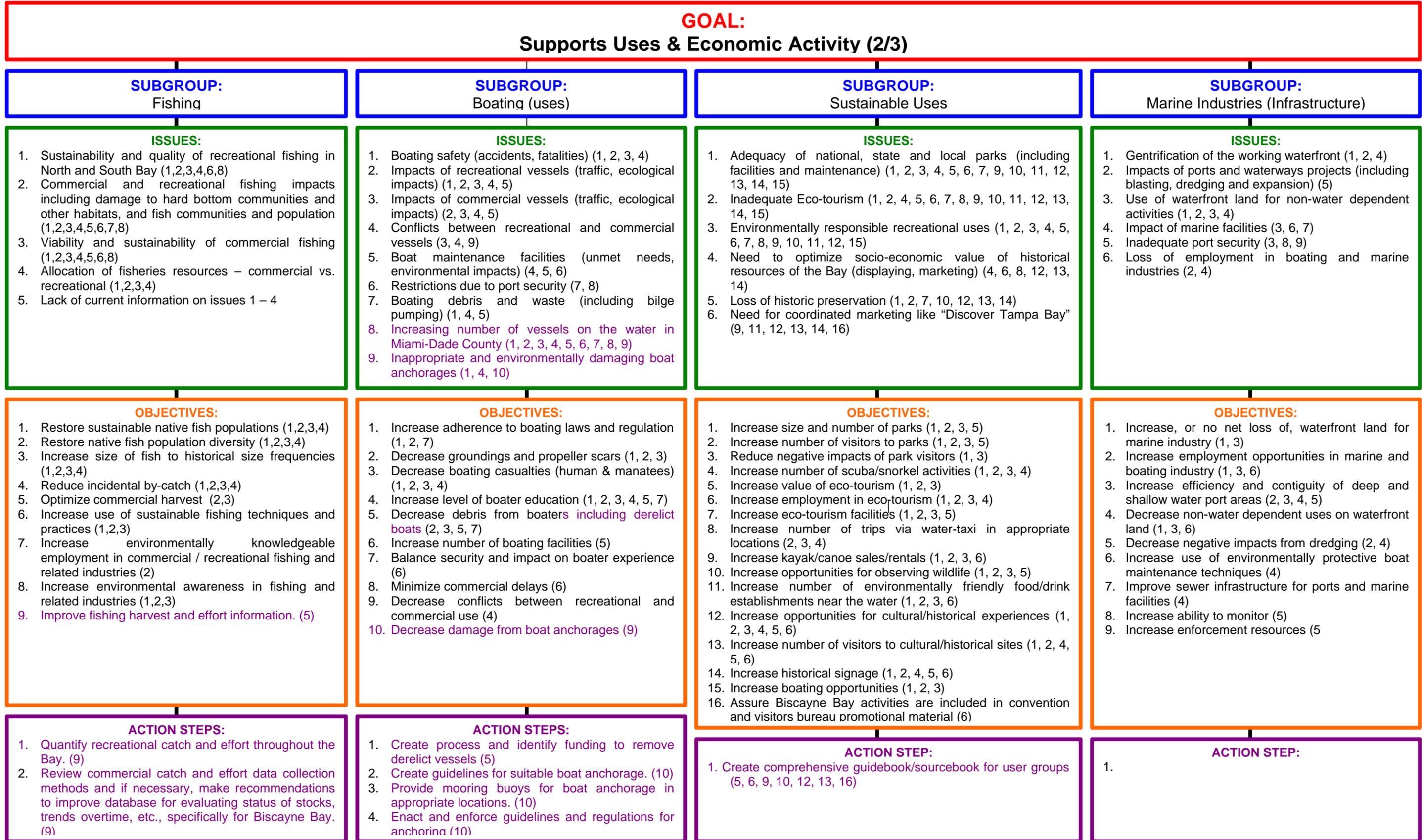
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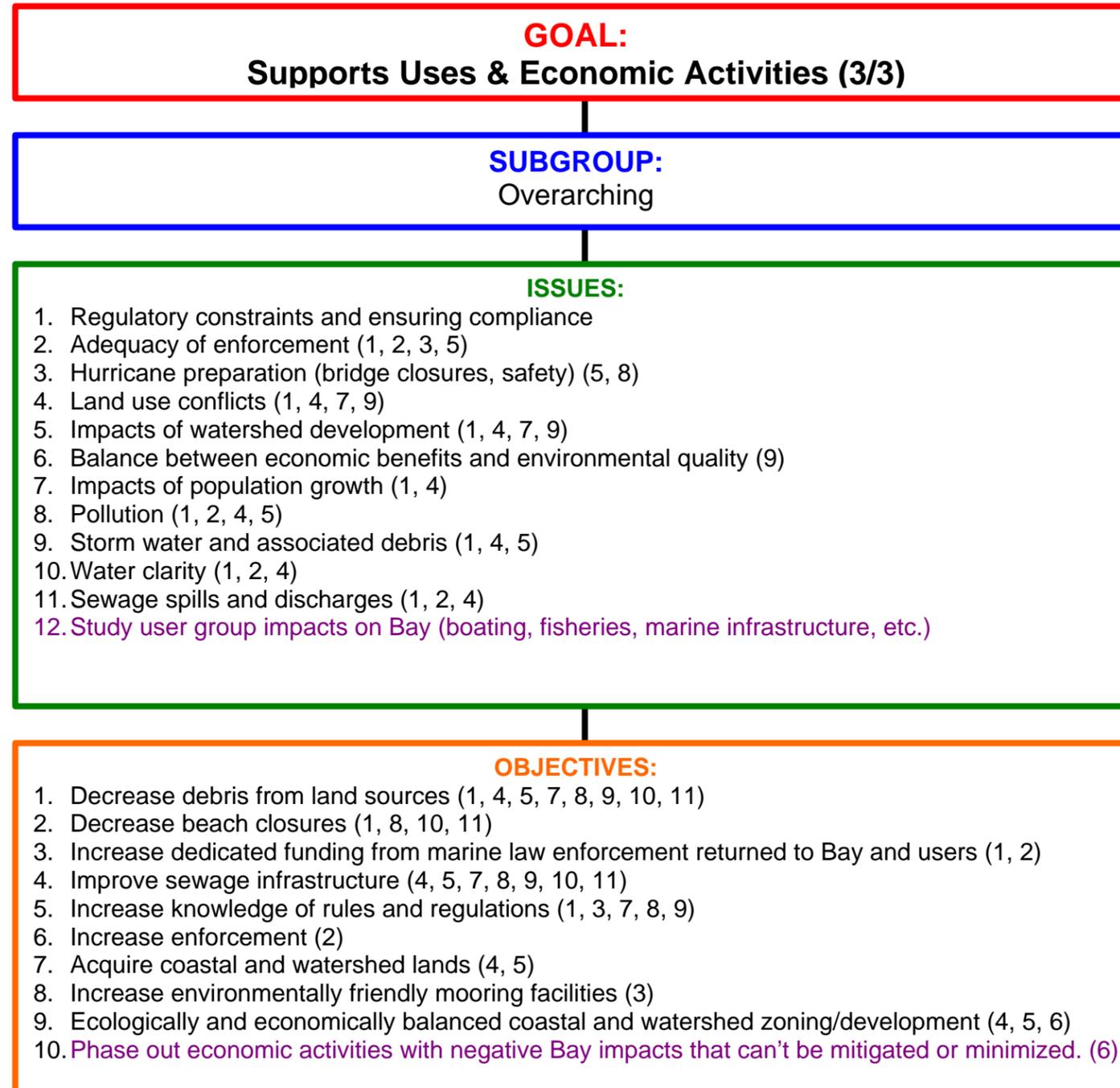
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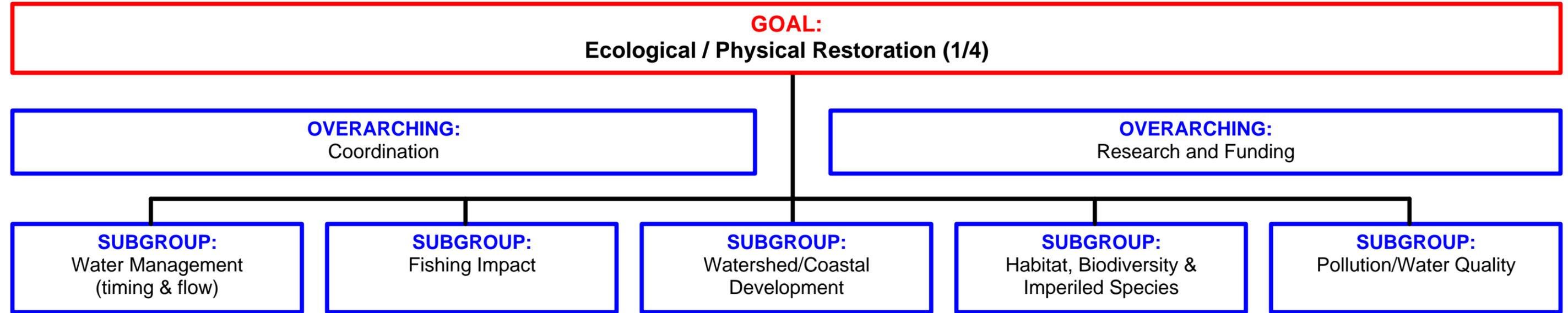
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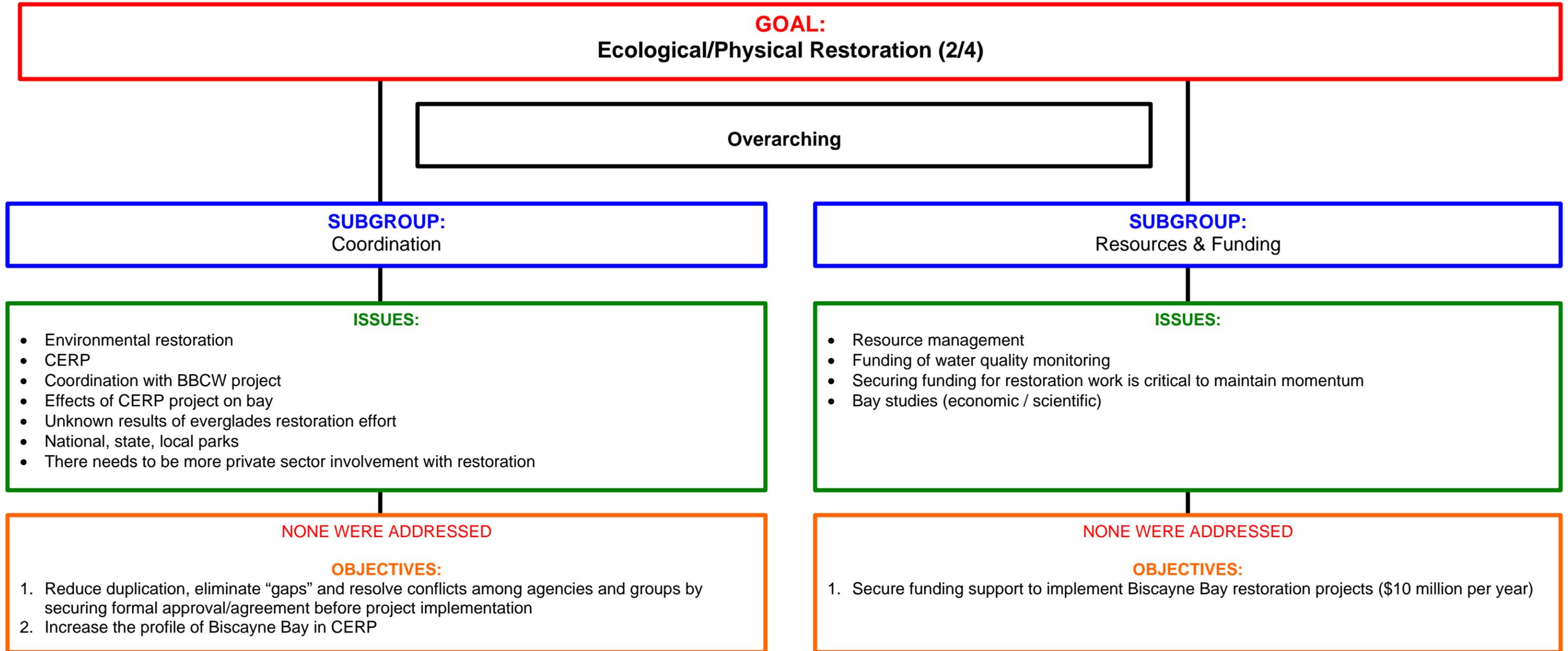
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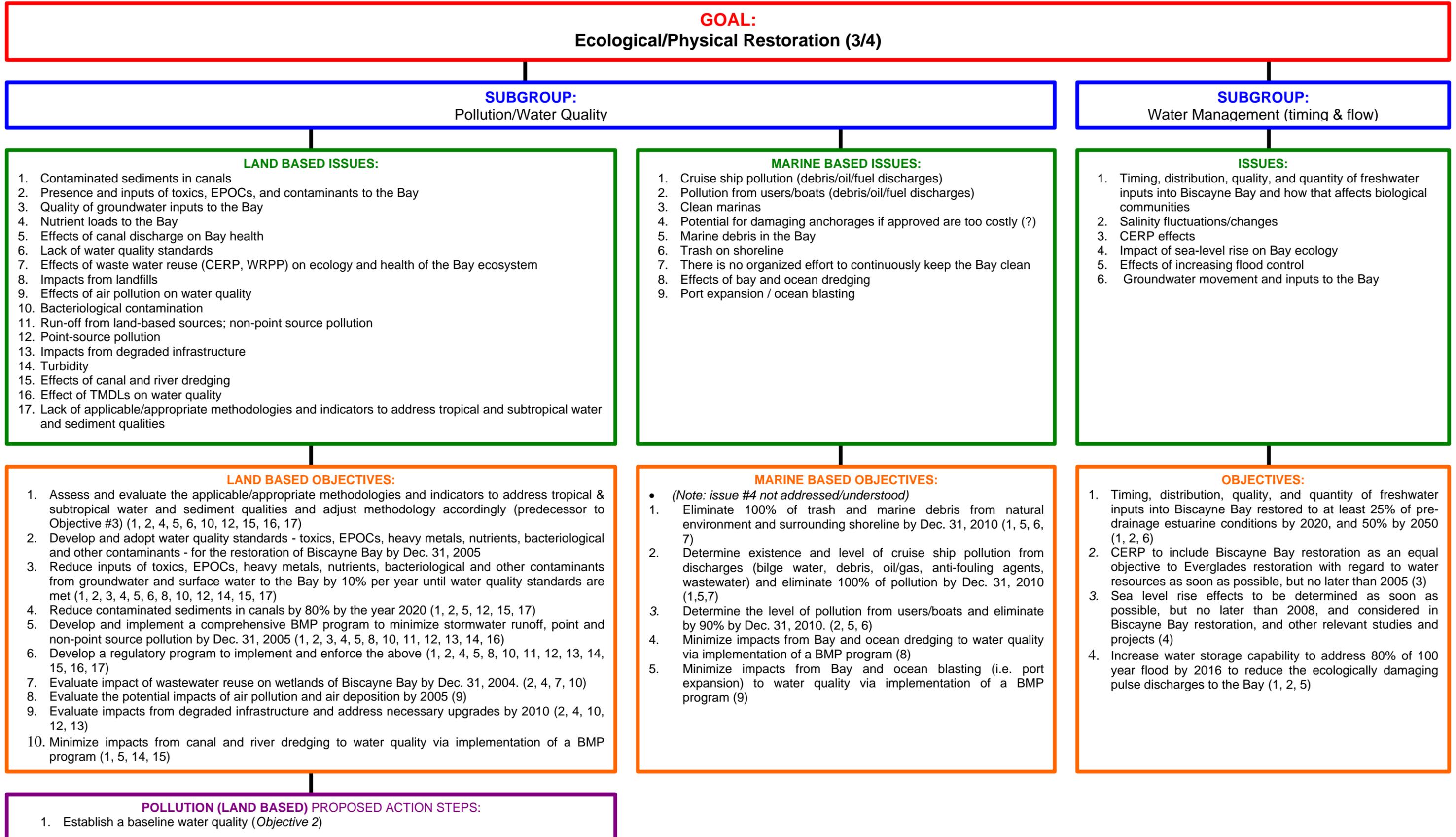
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GOAL:
Ecological/Physical Restoration (3/4)

SUBGROUP:
Pollution/Water Quality

SUBGROUP:
Water Management (timing & flow)

LAND BASED ISSUES:

1. Contaminated sediments in canals
2. Presence and inputs of toxics, EPOCs, and contaminants to the Bay
3. Quality of groundwater inputs to the Bay
4. Nutrient loads to the Bay
5. Effects of canal discharge on Bay health
6. Lack of water quality standards
7. Effects of waste water reuse (CERP, WRPP) on ecology and health of the Bay ecosystem
8. Impacts from landfills
9. Effects of air pollution on water quality
10. Bacteriological contamination
11. Run-off from land-based sources; non-point source pollution
12. Point-source pollution
13. Impacts from degraded infrastructure
14. Turbidity
15. Effects of canal and river dredging
16. Effect of TMDLs on water quality
17. Lack of applicable/appropriate methodologies and indicators to address tropical and subtropical water and sediment qualities

MARINE BASED ISSUES:

1. Cruise ship pollution (debris/oil/fuel discharges)
2. Pollution from users/boats (debris/oil/fuel discharges)
3. Clean marinas
4. Potential for damaging anchorages if approved are too costly (?)
5. Marine debris in the Bay
6. Trash on shoreline
7. There is no organized effort to continuously keep the Bay clean
8. Effects of bay and ocean dredging
9. Port expansion / ocean blasting

ISSUES:

1. Timing, distribution, quality, and quantity of freshwater inputs into Biscayne Bay and how that affects biological communities
2. Salinity fluctuations/changes
3. CERP effects
4. Impact of sea-level rise on Bay ecology
5. Effects of increasing flood control
6. Groundwater movement and inputs to the Bay

LAND BASED OBJECTIVES:

1. Assess and evaluate the applicable/appropriate methodologies and indicators to address tropical & subtropical water and sediment qualities and adjust methodology accordingly (predecessor to Objective #3) (1, 2, 4, 5, 6, 10, 12, 15, 16, 17)
2. Develop and adopt water quality standards - toxics, EPOCs, heavy metals, nutrients, bacteriological and other contaminants - for the restoration of Biscayne Bay by Dec. 31, 2005
3. Reduce inputs of toxics, EPOCs, heavy metals, nutrients, bacteriological and other contaminants from groundwater and surface water to the Bay by 10% per year until water quality standards are met (1, 2, 3, 4, 5, 6, 8, 10, 12, 14, 15, 17)
4. Reduce contaminated sediments in canals by 80% by the year 2020 (1, 2, 5, 12, 15, 17)
5. Develop and implement a comprehensive BMP program to minimize stormwater runoff, point and non-point source pollution by Dec. 31, 2005 (1, 2, 3, 4, 5, 8, 10, 11, 12, 13, 14, 16)
6. Develop a regulatory program to implement and enforce the above (1, 2, 4, 5, 8, 10, 11, 12, 13, 14, 15, 16, 17)
7. Evaluate impact of wastewater reuse on wetlands of Biscayne Bay by Dec. 31, 2004. (2, 4, 7, 10)
8. Evaluate the potential impacts of air pollution and air deposition by 2005 (9)
9. Evaluate impacts from degraded infrastructure and address necessary upgrades by 2010 (2, 4, 10, 12, 13)
10. Minimize impacts from canal and river dredging to water quality via implementation of a BMP program (1, 5, 14, 15)

MARINE BASED OBJECTIVES:

- *(Note: issue #4 not addressed/understood)*
- 1. Eliminate 100% of trash and marine debris from natural environment and surrounding shoreline by Dec. 31, 2010 (1, 5, 6, 7)
- 2. Determine existence and level of cruise ship pollution from discharges (bilge water, debris, oil/gas, anti-fouling agents, wastewater) and eliminate 100% of pollution by Dec. 31, 2010 (1,5,7)
- 3. Determine the level of pollution from users/boats and eliminate by 90% by Dec. 31, 2010. (2, 5, 6)
- 4. Minimize impacts from Bay and ocean dredging to water quality via implementation of a BMP program (8)
- 5. Minimize impacts from Bay and ocean blasting (i.e. port expansion) to water quality via implementation of a BMP program (9)

OBJECTIVES:

1. Timing, distribution, quality, and quantity of freshwater inputs into Biscayne Bay restored to at least 25% of pre-drainage estuarine conditions by 2020, and 50% by 2050 (1, 2, 6)
2. CERP to include Biscayne Bay restoration as an equal objective to Everglades restoration with regard to water resources as soon as possible, but no later than 2005 (3)
3. Sea level rise effects to be determined as soon as possible, but no later than 2008, and considered in Biscayne Bay restoration, and other relevant studies and projects (4)
4. Increase water storage capability to address 80% of 100 year flood by 2016 to reduce the ecologically damaging pulse discharges to the Bay (1, 2, 5)

POLLUTION (LAND BASED) PROPOSED ACTION STEPS:

1. Establish a baseline water quality (*Objective 2*)

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