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## Lagoon Action Assembly 2014 Working Sessions

### **Source 1. Septic Tanks – On-site Sewage Disposal Systems (OSDS)**

There are hundreds of thousands of existing septic tanks in the Lagoon watershed and the number increases with new development. The polluting potential of septic tanks varies depending on if they were installed properly, if they are maintained regularly, and how long they have been operating. Unmaintained tanks in sandy soils could be excessively leaching nutrients and bacteria to the groundwater that enters the Lagoon.

**a. Polluting Potential** (~20 min) To what degree do you think septic tanks pollute the lagoon in general? (Circle one)

Low

Medium

High

Do some pollute more than others? Why? Where?

### **b. Actions to Reduce Pollution** (20 min)

Please list actions to address new and existing septic tanks. Think about every possibility from programs being implemented to new, innovative ideas regardless of limitations.

### **c. Implementation Challenges** (20 min)

What are challenges to implementing these actions?  
Which action is the most difficult to implement and why?  
Which strategies are the easiest to implement and why?

**d. Prioritizing Actions** (30 min) What actions should be considered priority? Is there enough information to prioritize? What are the next steps to be taken in the next five years?



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#### **Source 2. Drainage canals**

Water is diverted from the land through major canals like the C-1, C-23, C-24, C-25, & C-44 Canals to name a few, designed to prevent flooding and maintain urban and agricultural water supplies. Groundwater and stormwater enters these canals and during large rain events, large volumes of freshwater carrying sediment, fertilizer, and chemicals are discharged into the Lagoon.

**a. Polluting Potential** (~20 min) To what degree do you think drainage canals pollute the lagoon in general? (Circle one)

Low

Medium

High

Do some pollute more than others? Why? Where?

#### **b. Actions to Reduce Pollution** (20 min)

Please list actions to address drainage canals. Think about every possibility from programs being implemented to new, innovative ideas regardless of limitations. Please brainstorm strategies to reduce the impact of drainage canals and discharges.

#### **c. Implementation Challenges** (20 min)

What are challenges to implementing these actions?

Which action is the most difficult to implement and why?

Which strategies are the easiest to implement and why?

**d. Prioritizing Actions** (30 min) What actions should be considered priority? Is there enough information to prioritize? What are the next steps to be taken in the next five years?



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#### **Source 3. Agricultural Lands**

Agricultural production involves activities that can potentially generate pollutants that reach the Lagoon through groundwater and drainage canals. Land management activities such as soil tilling, crop management with fertilizers, insecticides, fungicides and herbicides, and animal management can all have a potential impact on water quality. These are offset by best management practices that minimize impacts.

**a. Polluting Potential** (~20 min) To what degree do you think agricultural lands pollute the lagoon in general? (Circle one)

Low                      Medium                      High

Do some pollute more than others? Why? Where?

**b. Actions to Reduce Pollution** (20 min)

Please list actions to address agricultural lands. Think about every possibility from programs being implemented to new, innovative ideas regardless of limitations. Please brainstorm strategies to reduce the impact of agricultural lands.

**c. Implementation Challenges** (20 min)

What are challenges to implementing these actions?  
Which action is the most difficult to implement and why?  
Which strategies are the easiest to implement and why?

**d. Prioritizing Actions** (30 min) What actions should be considered priority? Is there enough information to prioritize? What are the next steps to be taken in the next five years?



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#### **Source 4 Residential Lands**

Residential landscape design and management can potentially generate pollutants that reach the Lagoon through groundwater and stormwater. Landscape design that requires intense maintenance, the use of chemical fertilizers and herbicides, and mowing contribute herbicides, fertilizers, insecticides, and biomass to the Lagoon.

**a. Polluting Potential** (~20 min) To what degree do you think residential lands pollute the lagoon in general? (Circle one)

Low

Medium

High

Do some pollute more than others? Why? Where?

#### **b. Actions to Reduce Pollution** (20 min)

Please list actions to address residential lands. Think about every possibility from programs being implemented to new, innovative ideas regardless of limitations. Please brainstorm strategies to reduce the impact of residential lands.

#### **c. Implementation Challenges** (20 min)

What are challenges to implementing these actions?

Which action is the most difficult to implement and why?

Which strategies are the easiest to implement and why?

**d. Prioritizing Actions** (30 min) What actions should be considered priority? Is there enough information to prioritize? What are the next steps to be taken in the next five years?