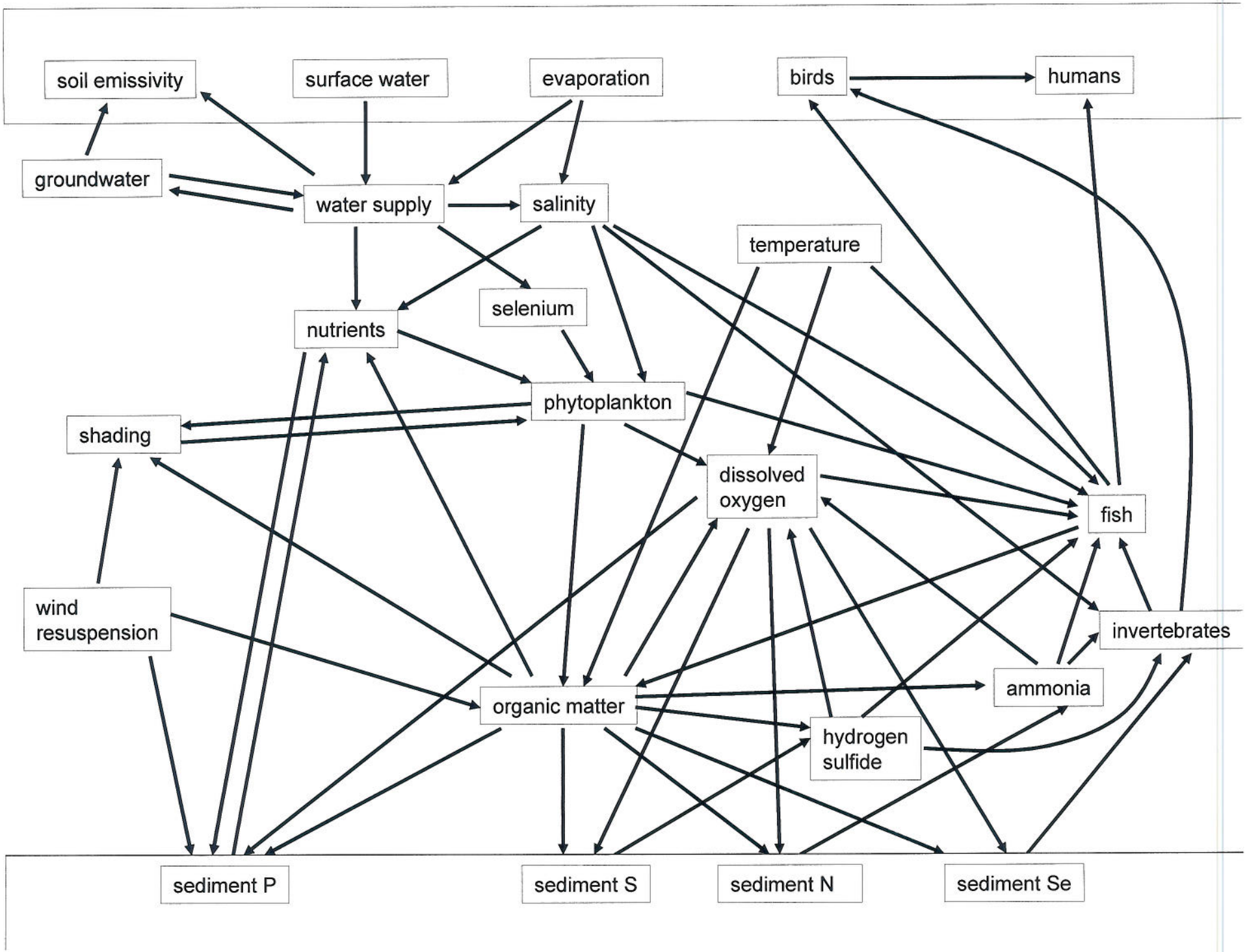
CONCEPTUAL MODEL LINKAGES


soil emissivity
surface water
evaporation
birds
humans
groundwater
water supply
salinity
temperature
selenium
nutrients
phytoplankton
shading
dissolved oxygen
fish
wind resuspension
invertebrates
organic matter
ammonia
hydrogen sulfide
sediment P
sediment S
sediment N
sediment Se

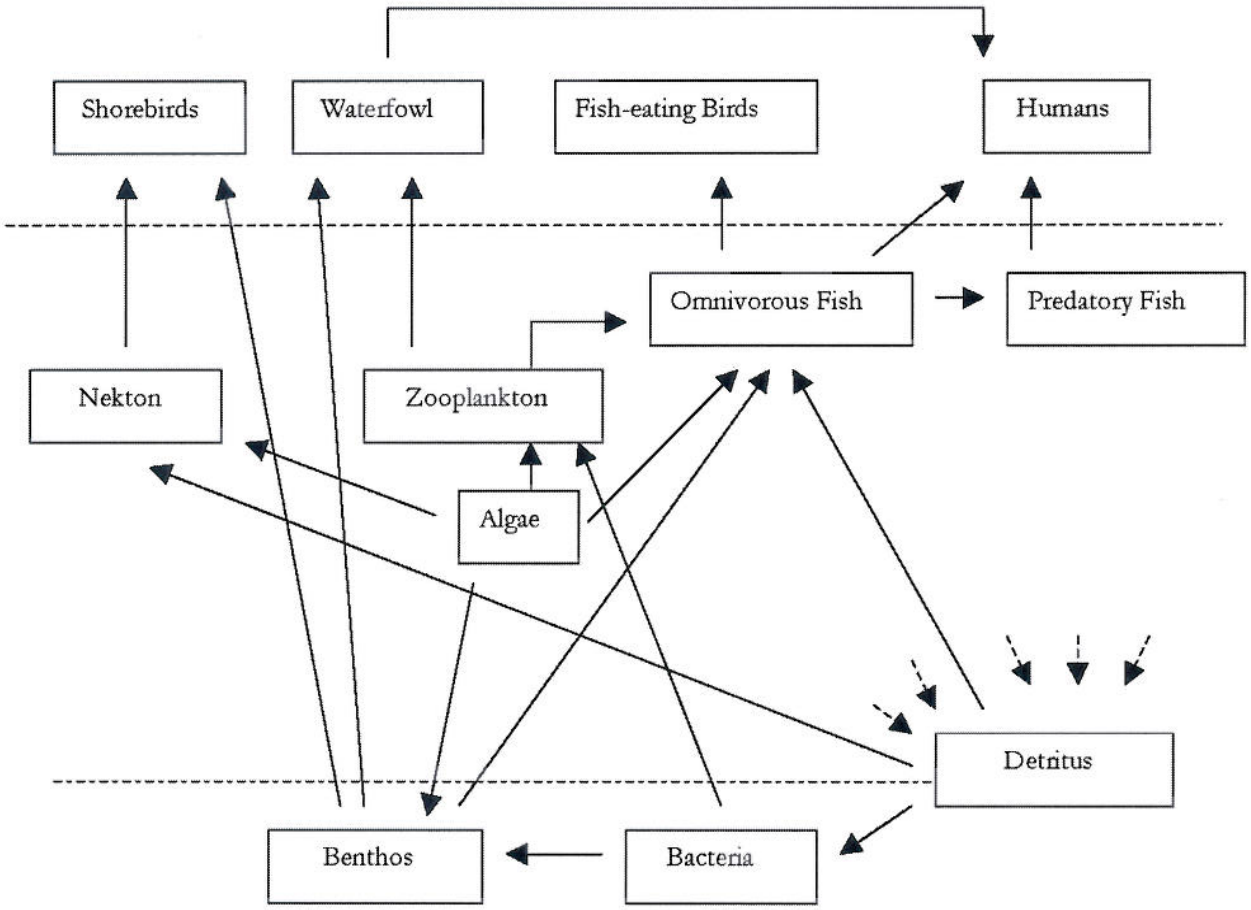


Figure 6 A Simple Example of the Salton Sea Food Web
Impact on various components of this conceptual food web will have various other impacts. Therefore, the components should be quantified to link rates of matter, nutrient, and energy flow. This added information enhances the value of the model for predicting outcomes.

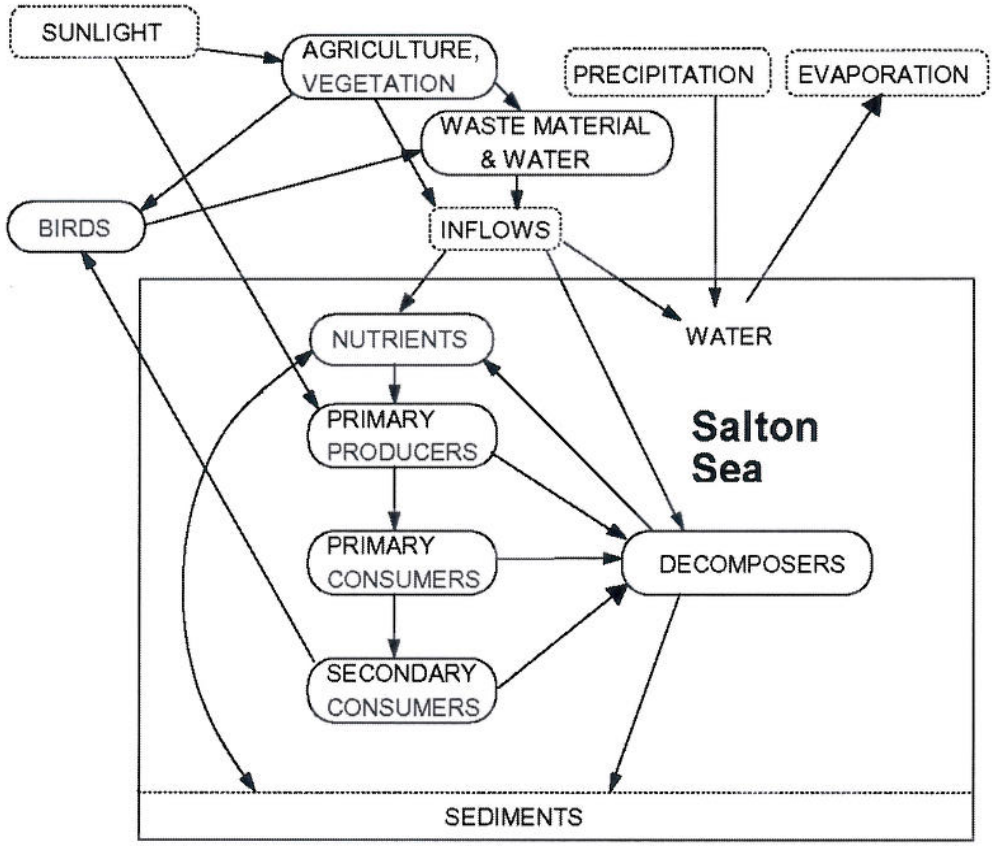


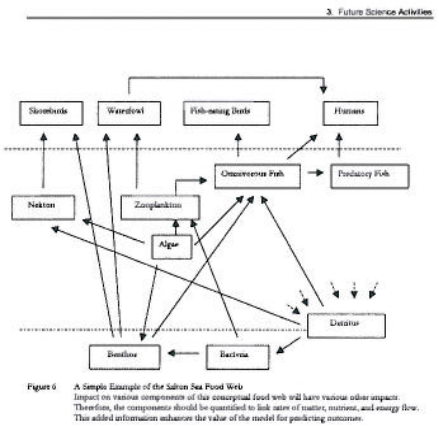
Figure 5 An Example of a Simple Conceptual Model of the Salton Sea Ecosystem

information and are used in conjunction with other information to help guide scientific inquiry and management decisions. A wealth of current scientific information about the Sea has resulted from the NEPA/CEQA focused investigations and provides a sound basis for initial modeling.

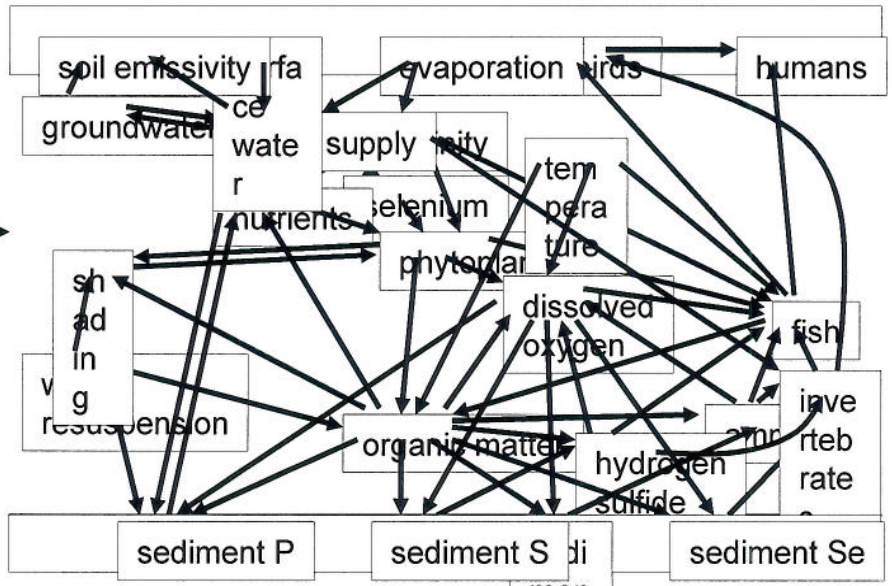
The USGS Tiger Team recommended that integrative, quantitative models, based on

AIR QUALITY

SOCIOECONOMIC



BIOLOGY



WATER

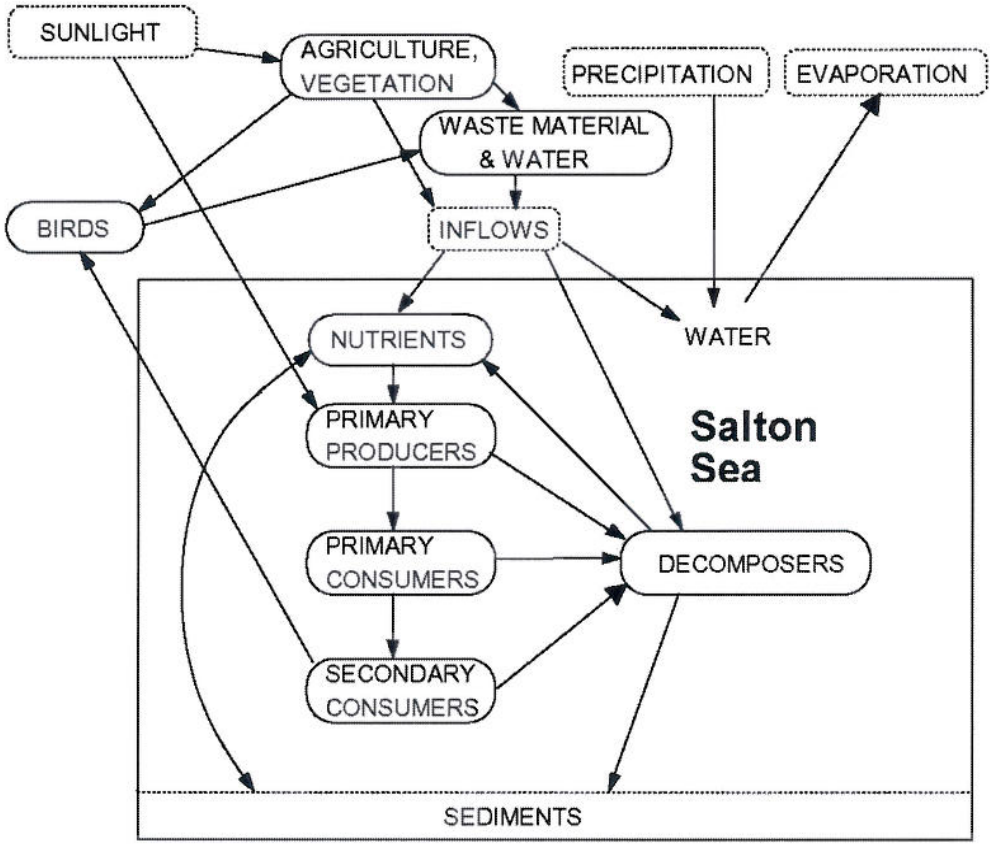


Figure 5 An Example of a Simple Conceptual Model of the Salton Sea Ecosystem

information and are used in conjunction with other information to help guide scientific inquiry and management decisions. A wealth of current scientific information about the Sea has resulted from the NEPA/CEQA focused investigations and provides a sound basis for initial modeling.

The USGS Tiger Team recommended that integrative, quantitative models, based on

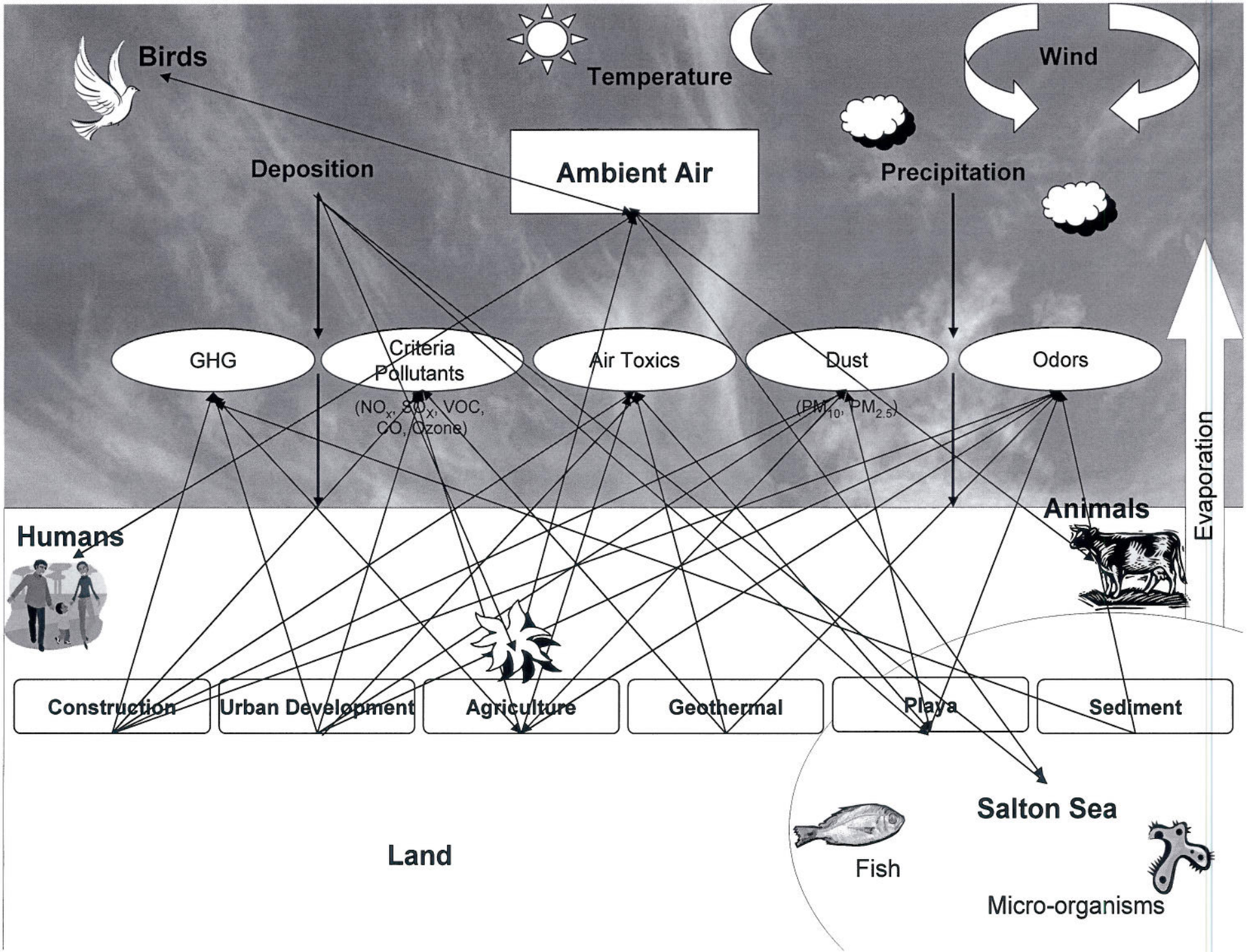
CONCEPTUAL MODEL LINKAGES
NEXT STEPS

- FTG'S PROVIDE INDIVIDUAL MODELS
- FEEDBACK TO FTG GROUP MEMBERS FOR COMMENT
- FTG LEADS MEET TO COMPILE MODELS, KEY QUESTIONS, KEY VARIABLES
- DRAFT DOCUMENT OUTLINING MODELS, QUESTIONS FOR MONITORING, QUESTIONS FOR FOCUSED INVESTIGATIONS
- IDENTIFY MONITORING NEEDS FOR PRIORITIZATION FOR NOW (5 YEARS), NEAR TERM, AND LONG RANGE

CONCEPTUAL MODEL LINKAGES
NEXT STEPS

- LOOK FOR COMMON ELEMENTS OF MONITORING, SPATIAL AND TEMPORAL
- START TO BUJILD DOCUMENT INTRODUCING MONITORING, WHY'S AND WHEREFORE'S, WHY PREFERRED ALTERNATIVE LOOKS THE WAY IT DOES
- START BUILDING DOCUMENT IDENTIFYING PROCESSES, MAJOR UNDERSTANDINGS, SCIENTIFIC UNDERPINNINGS, WHY IT IS IMPORTANT TO MONITOR.

- GROUP LEADS SHOULD MEET SOONER THAN LATER – SUGGEST EARLY MARCH 2008


Birds
Temperature
Wind
Deposition
Ambient Air
Precipitation
GHG
Criteria Pollutants
(NO_x, SO_x, VOC, CO, Ozone)
Air Toxics
Dust
(PM_{10}, $PM_{2.5}$)
Odors
Evaporation
Humans
Animals
Construction
Urban Development
Agriculture
Geothermal
Playa
Sediment
Salton Sea
Land
Fish
Micro-organisms