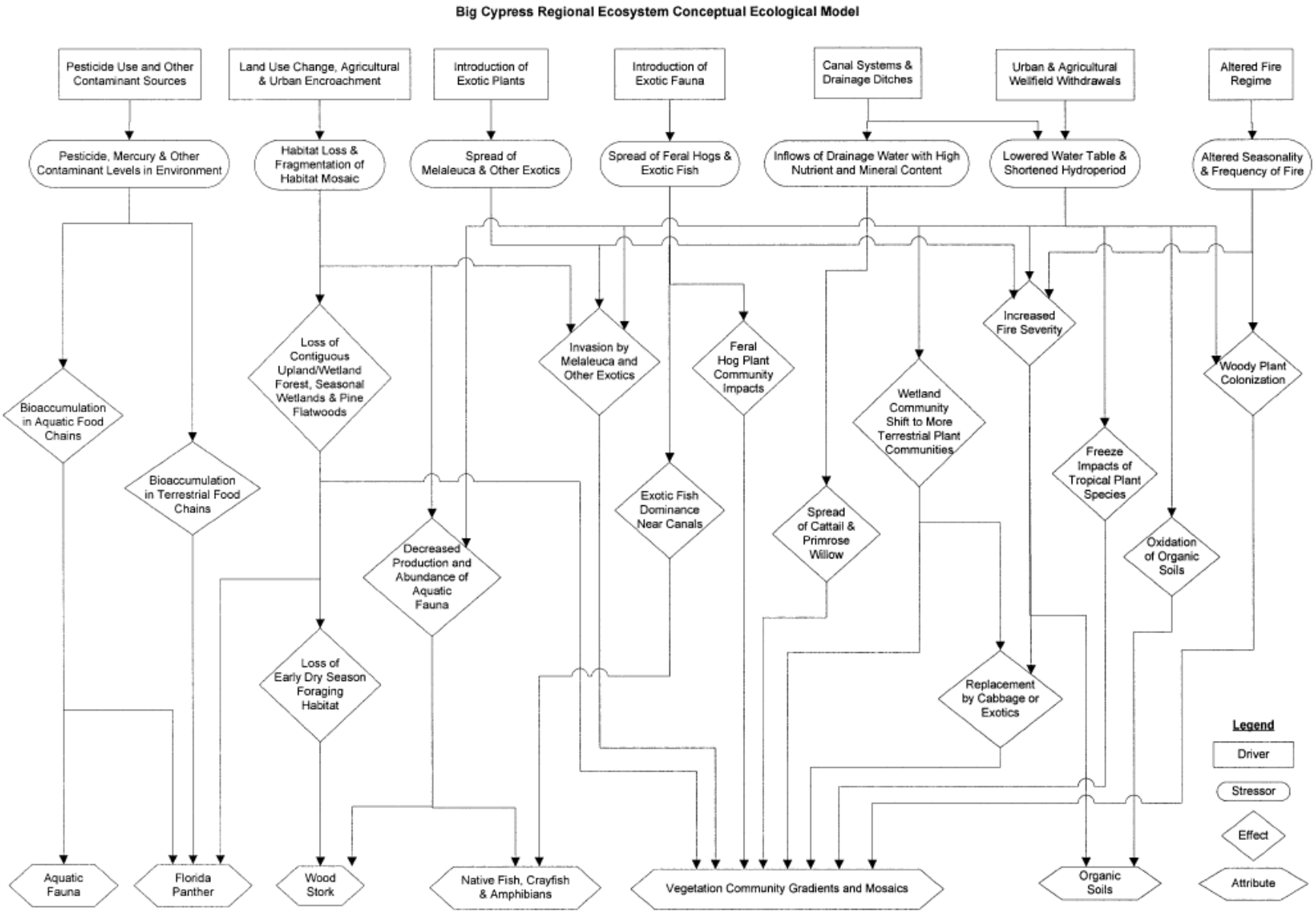

Figure 2. Big Cypress Regional Ecosystem Conceptual Ecological Model Diagram.

Definitions

Driver

Driving forces that occur outside the natural system, which have large-scale influences on natural systems. Drivers are natural forces (e.g., sea-level rise) or anthropogenic (e.g., water management).

Stressor

Physical or chemical changes that occur within natural systems that are brought about by drivers, causing significant changes in biological components, patterns and relationships in natural systems.

Ecological Effects

Physical, chemical, and biological responses caused by stressors

Attributes

A parsimonious subset of all potential biological elements or components of natural systems that are representative of overall ecological conditions of the system. Attributes typically are populations, species, guilds, communities, or processes. Attributes, also known as indicators or endpoints, are selected to represent known or hypothesized effects of stressors (e.g., nesting wading bird numbers) and elements of systems that have important human values (e.g., endangered species, sports fishing).

Table 1. Everglades Ridge and Slough CEM Drivers. Question 1 – Given what we now know, compared to 2005, have the influences of the Drivers changed? If so, how? Question 2 – In the next 30 years, without Restoration, will the influences of the Drivers change? If so, how?

No Change = 0
Increasing Influence = (+) or (++)
Decreasing Influence = (-) or (--)
Unsure = ?

Contact Name, Title, Affiliation, Email, Phone:

_____

_____

Driver	Changed since 2005?	How – Since 2005	Predicted for 2047	How – for 2047	Notes
Pesticide Use and Other Contaminant Sources					
Land Use Change, Agricultural and Urban Encroachment					

Driver	Changed since 2005?	How – Since 2005	Predicted for 2047	How – for 2047	Notes
Introduction of Exotic Plants					
Introduction of Exotic Fauna					
Canal Systems and Drainage Ditches					

Driver	Changed since 2005?	How – Since 2005	Predicted for 2047	How – for 2047	Notes
Urban and Agricultural Wellfield Withdawals					
Altered Fire Regime					

Driver	Changed since 2005?	How – Since 2005	Predicted for 2047	How – for 2047	Notes

Table 2. Everglades Ridge and Slough CEM Stressors. Question 1 – Given what we now know, compared to 2005, have the threats from the stressor remained the same, decreased or increased? If so, how? Question 2 – In the next 30 years, without Restoration, will the threats from the stressor remain the same, decrease or increase? If so, how?

No Change = 0
Increasing Influence = (+) or (++)
Decreasing Influence = (-) or (--)
Unsure = ?

Stressor	Changed since 2005?	How – Since 2005	Predicted for 2047	How – for 2047	Notes
Pesticide, Mercury, and Other Contaminant Levels in the Environment					
Habitat Loss and Fragmentation of the Habitat Mosaic					
Spread of Melaleuca and Other Exotics					

Stressor	Changed since 2005?	How – Since 2005	Predicted for 2047	How – for 2047	Notes
Spread of Feral Hogs and Exotic Fish					
Inflows of Drainage Water and High Nutrient and Mineral Content					
Lowered Water Table and Shortened Hydroperiod					

Stressor	Changed since 2005?	How – Since 2005	Predicted for 2047	How – for 2047	Notes
Altered Seasonality and Frequency of Fires					