

How does the movement of H2O affect the movement of organisms in LIS?

How do we manage Food Resources from Long Island Sound?

Simulation Model

Mean, variance, tides, period, amplitude
Circulation in the coastal ocean-mean structure and variability

Forecasts require automation

Ecosystem Stability
Anthropogenic effects and Natural Variations

evaluation requires data

descriptive statistics

Inputs to model

simulation uses a mathematical model

JOD Team
08-Oct-09
KEY

Genetics, population and selection
Population Connectivity, DNA, Evolution

Circulation

Population census/locations

Economics
WSTP Infrastructure Upgrade costs relative to environment

Concepts

basis of the measurements

of

Science Topics

Science process skills - data, experiments, hypotheses
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Realtime data

Observing system provides data

Instruments make measurements

Problem

Solution Elements