

The George Washington University
Institute for Crisis Disaster and Risk Management
Director: J.R. Harrald, Ph.D.

- **Graduate Education Programs**
 - **Masters Degree**
 - **Doctoral Degree**
 - **Graduate Certificate**
- **Research Projects**
- **Training Programs**
- **Outreach and Information Programs**

Crisis and Emergency Management Courses

EMGT 232 Crisis and Emergency Management

Description: Introduction to concepts and problems of crisis and emergency management. Defining crises, emergencies, and disasters. Developing crisis and contingency plans. National Plans--the Federal Response Plan and National Contingency Plan, organizing for response, managing the response organization, managing in a turbulent, high stress environment crisis decision making and crisis communication.

EMGT 234 Management of Risk and Vulnerability for Natural and Technological Hazards

Description: Development of concepts required for risk based planning and risk management. Objectives of and methods for vulnerability assessment for natural disaster, technological hazards, and terrorist threats. Concepts of risk analysis, risk perception, risk communication, risk mitigation.

EMGT 236 Information Technology in Crisis and Emergency Management

Description: The role of information in crisis and response management; determining disaster and crisis information requirements; information technologies applied to crisis, disaster and emergency management; the cause and effects of information breakdowns during crises and disasters.

EMGT238 Current Issues in Emergency and Crisis Management

Description: A seminar course organized around current issues (e.g. mitigation, critical infrastructure protection, terrorism) and the management successes and failures exhibited during recent disaster or crisis events. Includes presentations from federal, local, private sector and not for profit perspectives.

EMGT 332 Crisis Management, Disaster Recovery, and Organizational Continuity

Description: Introduction to disaster recovery planning and concepts of business continuity. Recovery of information and communication systems. The role of the private sector in mitigation and recovery. Public/private partnerships in community reconstruction and recovery.

EMGT334 Environmental Hazard Management

Description: Analysis of the geological, meteorological, radiological, chemical and biological hazards facing U.S. and international communities. Description of organizational responsibilities for hazard identification and management. Communication and perceptions of vulnerability and risk. Challenges to local governments and communities.

EMGT297 Problems in Crisis and Emergency Management

Description: Project course providing the opportunity to apply concepts and tools previously studied to the solution of an actual problem in crisis and emergency management. Student work in small groups, on a problem proposed by student and approved by the instructor.

EMGT/IAFxxx International Impacts of Disasters (To be developed)

Description: Analysis of the threat from natural and technological disasters and terrorism. The description of the economic, political, and social impacts of disasters particularly on the sustainable development of lesser developed countries. The description of the international framework for disaster response and recovery and the roles and functions of international government and non government organizations.

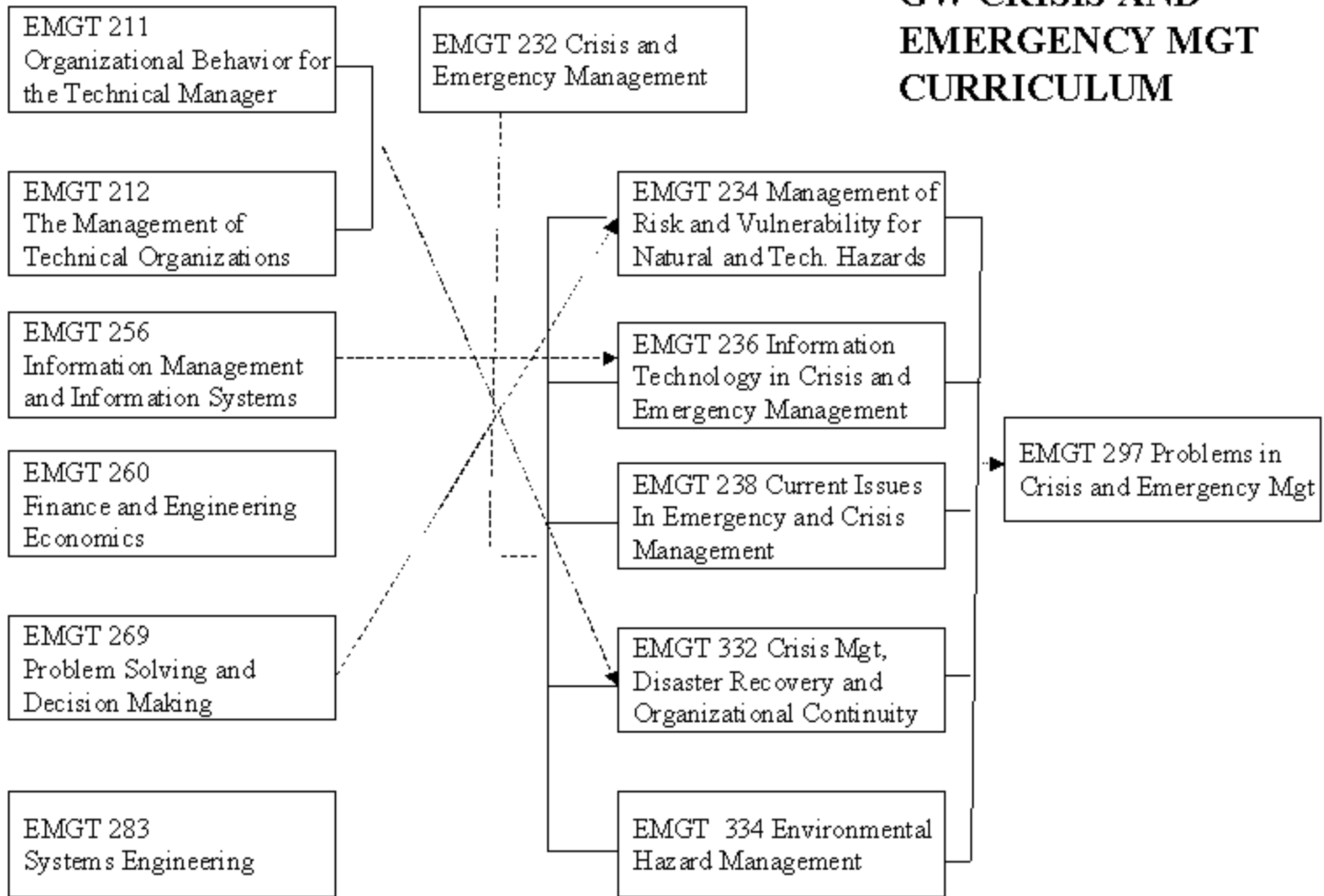
EMGT/OEMxxx Integrated Response to Community Disasters (To be developed)

Description: Description of the potential impact of mass casualty disasters on community medical systems. The objectives, structure, and functions of an integrated emergency response organization. The management of the critical phase of the medical response. Demonstration of planning, preparation, and exercising techniques and requirements.

EMGT/PHxxx Public Health impacts of Disasters (to be developed)

Description: Natural disasters are potential public health crises, particularly in developing countries. Disaster histories are used to define the public health threat. Planning and managing for effective public health preparation, mitigation, response, and recovery are described.

GW CRISIS AND EMERGENCY MGT CURRICULUM

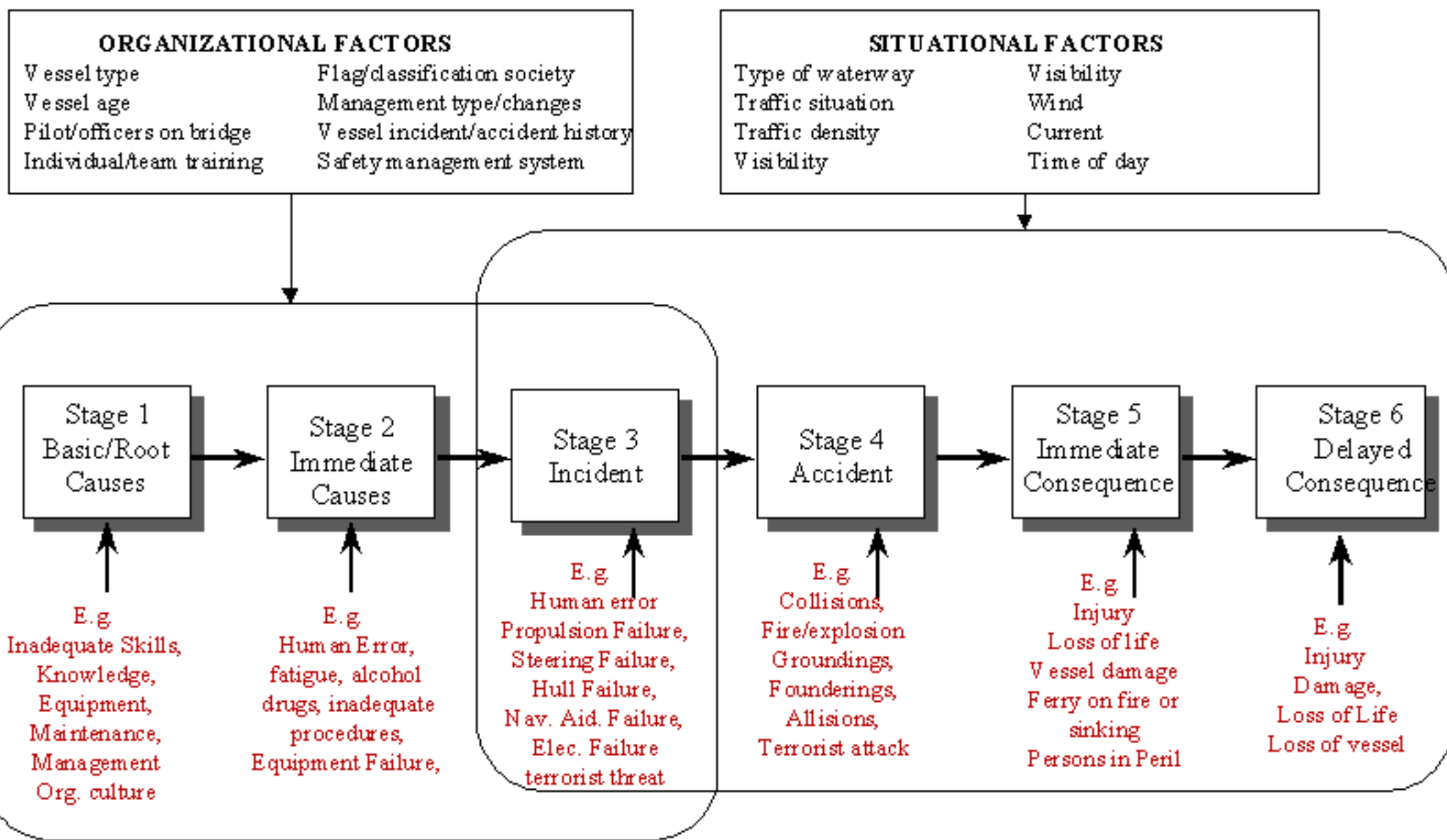


EMGT CORE COURSES (6) CONCENTRATION COURSES (5 of 6) CAPSTONE COURSE

(----- > Indicates recommended course sequence)

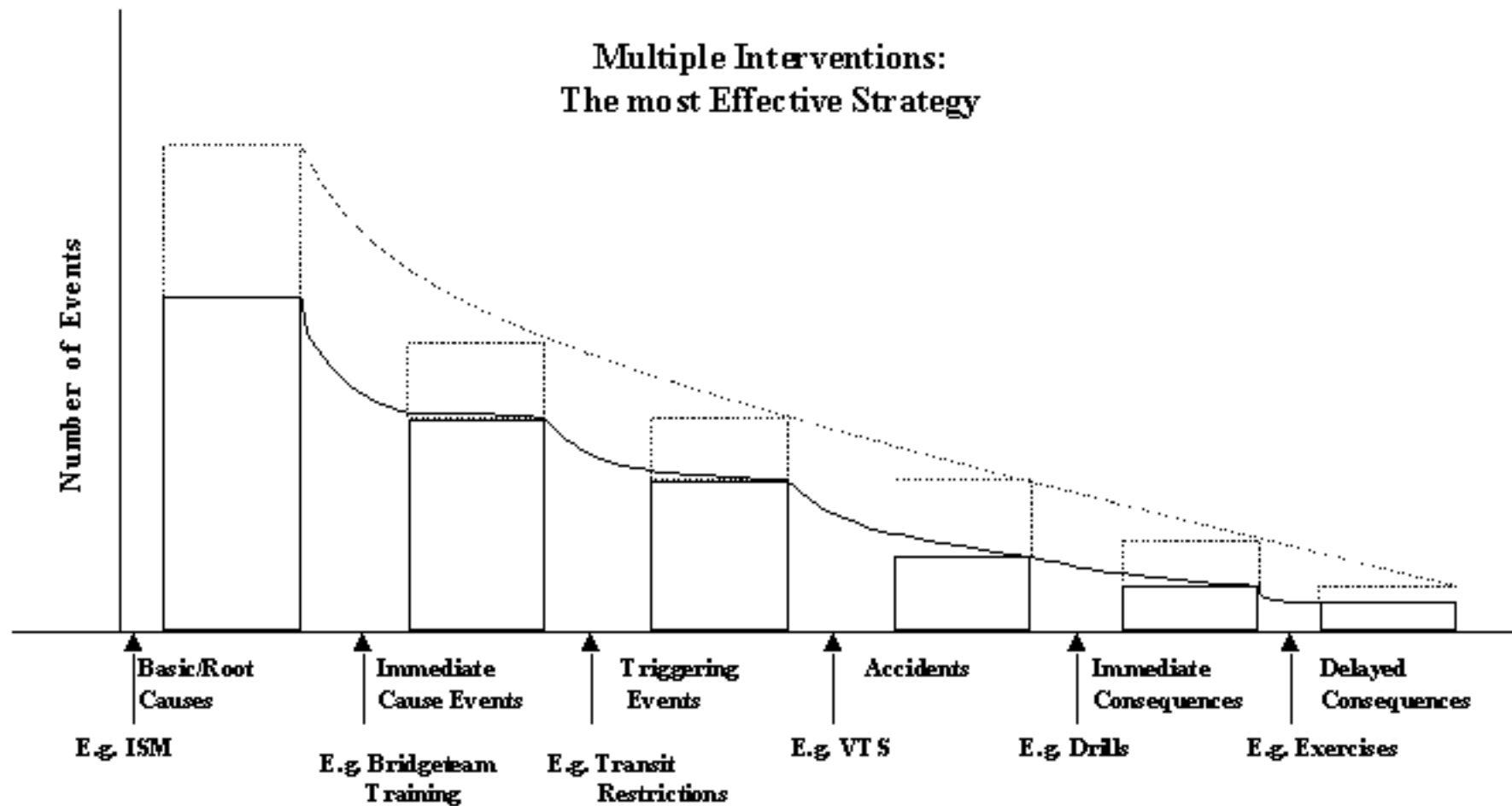
Institute Research Projects

- Tanker Risk in Prince William Sound, Alaska
(PWS Shipping Assoc., RCAC, Alaska DEC, USC
1995-1997)
- Vessel Risk for Washington State Ferry system
(Washington State Transportation Com. 1998-99)
- Earthquake Impacts: Displaced persons/shelter needs
(National Science Foundation 1996-99)
(see www.abag.ca.gov)



The Maritime Accident Event Chain

Effective Risk Management



Simulation Analysis Tool

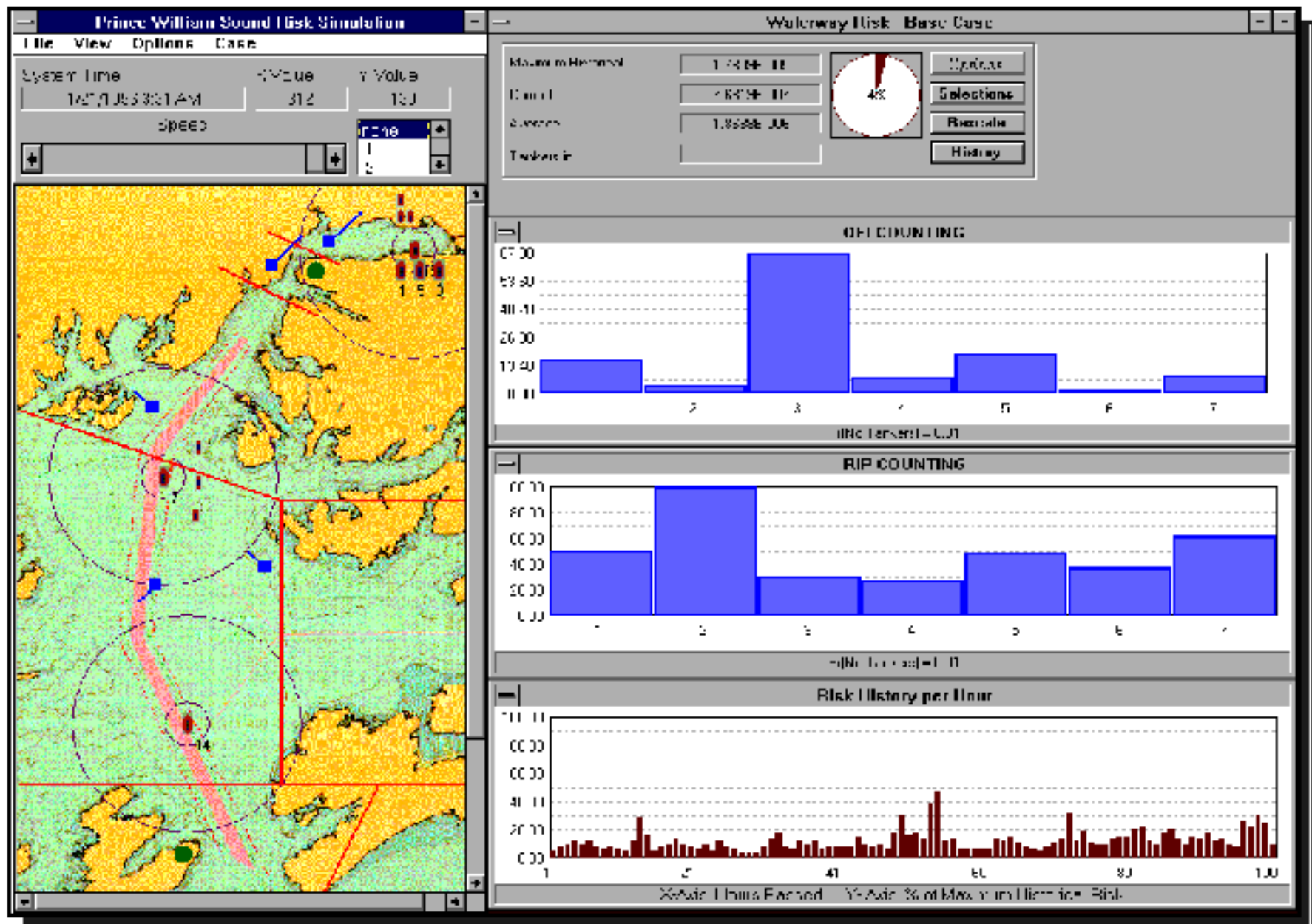
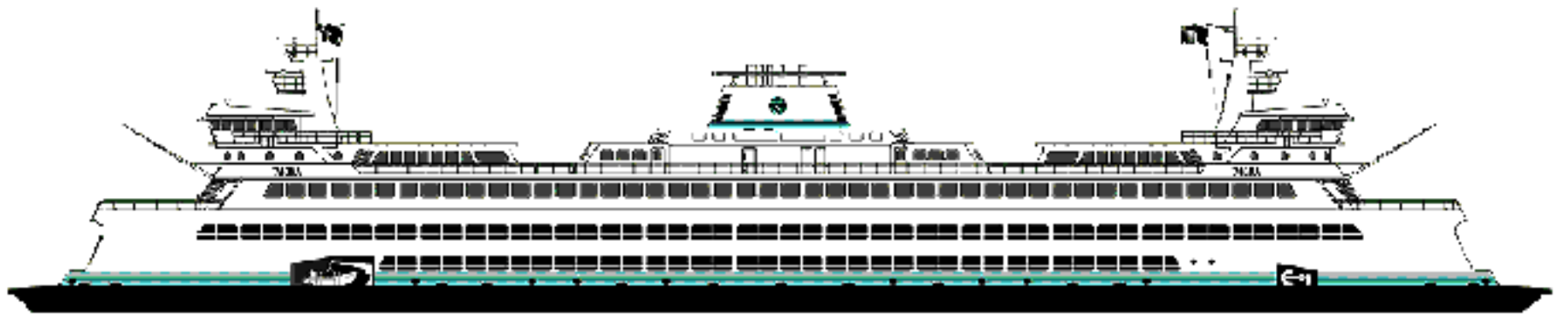
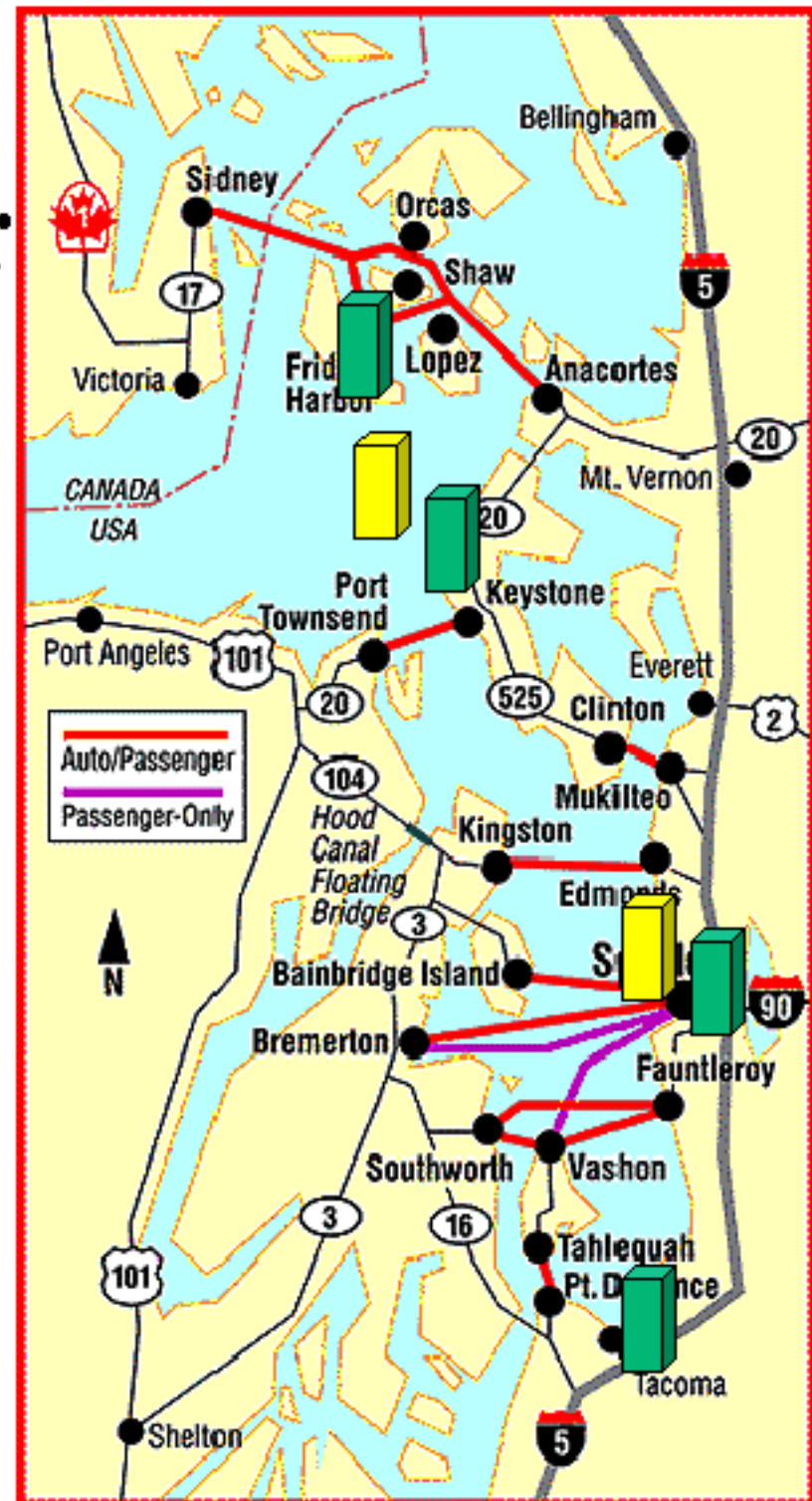
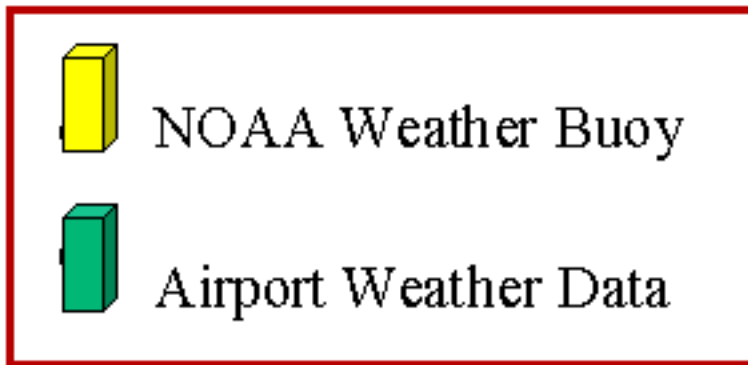


FIGURE 8



Weather



- Land and sea visibility.
- Wind speed and direction.

INSTITUTE TRAINING AND OUTREACH

TRAINING

- Host/collaborate with Disaster Recovery Institute for Business Continuity Certification courses
- Sponsor aviation safety and crisis management training program

OUTREACH

- Participate in Joint Center for Disaster Management and Mitigation with Virginia Tech
- Co Host (With Corporate Response Group) Crisis Management Roundtable for Fortune 500 companies
- Co Host (With FNMA) Washington Financial Institution Crisis Management Cross Talk Group
- Sponsor/host Disaster Related Conferences (TIEMS'98, Remote Sensing/GIS conferences)
- Sponsor/host monthly disaster mitigation policy seminar series