

Rhode Island Department of Environmental Management

Office of Emergency Response



Duties and Activities

- Industrial Releases
- Mercury Responses
- Radiation Incidents
- Biological/White Powders
- USTs and ASTs
- Vehicle and Vessel Responses
- Clan Labs
- Seaweed Issues

Industrial Releases



OXIDIZER
5.1

DANGER
HYDROGEN PEROXIDE
50%

HYDROGEN

PEROXIDE

HYDROGEN
PEROXIDE

CAUTION
EYE PROTECTION
REQUIRED

DANGER
HYDROGEN PEROXIDE
50%

HYDROGEN

PEROXIDE

HYDROGEN
PEROXIDE



HEALTH
HAZARD



T-5

HOLDING

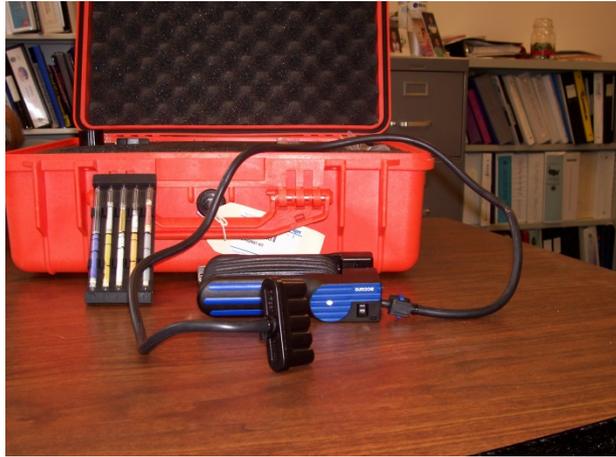


HOLDING

T-14

LIQUID CAUSTIC
50%

Air Monitoring





Radiation Detection



Inficon Hapsite Portable GC/MS



Mercury



06/28/2010 23:10



Lumex Mercury Detector



White Powder Incidents





Handwritten note on lined paper, partially obscured by the person's hands.

Sharpie marker

LABORATORY FILM
DATE: _____
TIME: _____
BY: _____

EVIDENCE
DATE: _____
TIME: _____
BY: _____



CHAIN OF CUSTODY
EVIDENCE
LABORATORY SERVICE
DATE: _____
TIME: _____
BY: _____

PARAFILM
LABORATORY FILM
DATE: _____
TIME: _____
BY: _____

PARAFILM
LABORATORY FILM
DATE: _____
TIME: _____
BY: _____

Labo Parafilm
0351855
PHONE 82-49-02288
Crosson, RI
0880

DEPARTMENT
SENT BY
- Ad H...
MENT DELIVERY

Rhode Island Department of Health
Health Care Services
DIRECTOR'S OFFICE
JAN 11 2005

not respect...
having posses...
I just want...
be doing th...
be done in...
e. The...
age. He...
to

HazMat ID



Underground Storage Tanks



Aboveground Storage Tanks





1993

1993

PROPANE GAS
FORBIDDEN TO BE USED

PROPANE GAS
FORBIDDEN TO BE USED



9

COSTELLO

5 T-7
INLET

Vehicle Responses







LAKE
MISHNOCK



Pole mounted transformers taken down by a tractor trailer truck



Clandestine Labs



01/19/2011 12:56



01/20/2011 02:52

America's Cup





PRADA

USA

KOR



SAFE/SEA
SALVAGE
TEAM

mad

ERIN & YOUNG
YACHT BROKERAGE

ORACLE

ORACLE

KOR

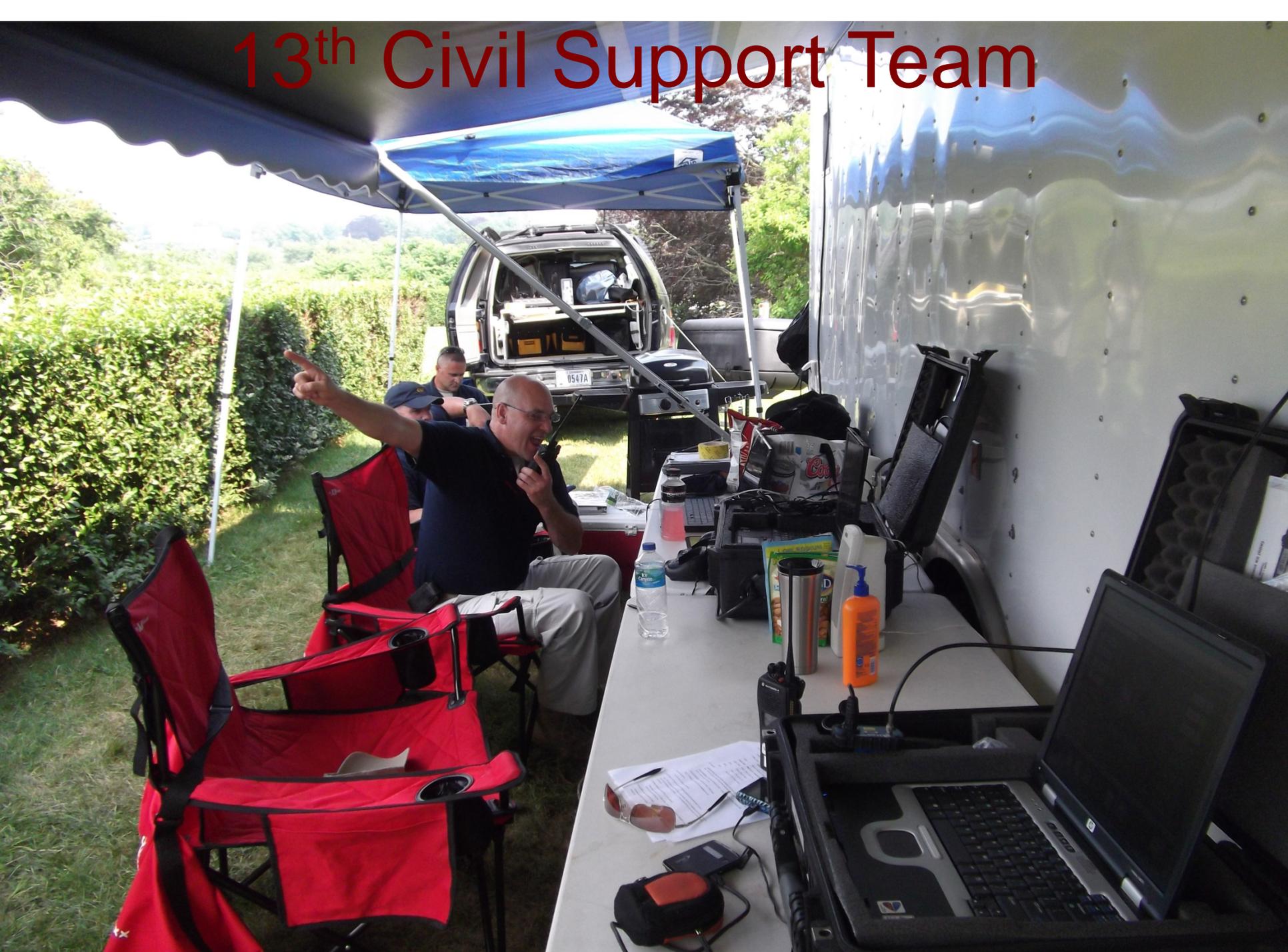
Tall Ships







13th Civil Support Team



Floods













04/06/2010 01:34



04/05/2010 01:38







Motiva Fire





AP Photo/Stew Milne

Seaweed





08/05/2010 22:01



07/10/2012 10:10



Capitol Pipeline











Pesticide Storage & Illegal Disposal





Sunken Vessel





Oil skimmer



North Cape Oil Spill









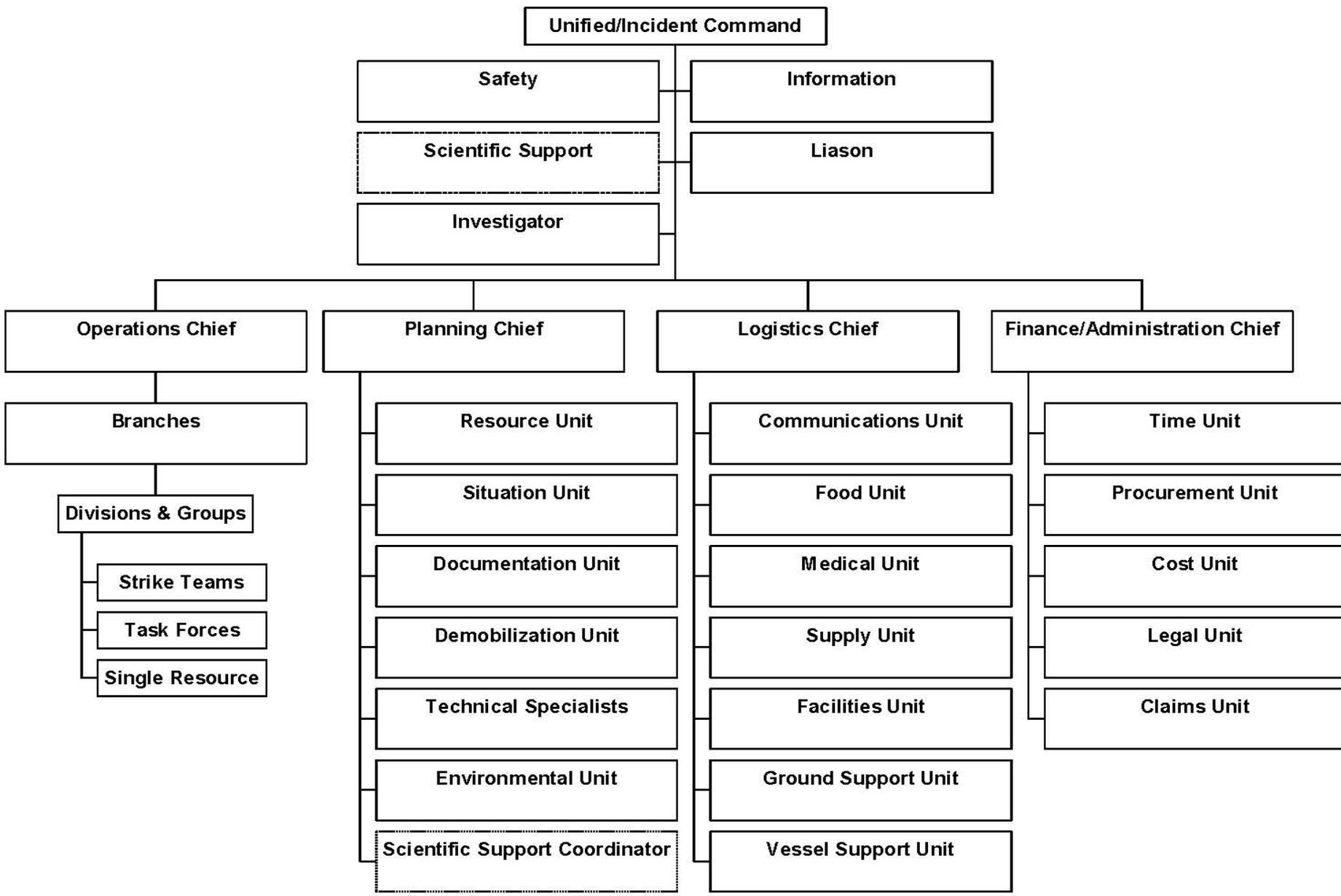
Fish Kills





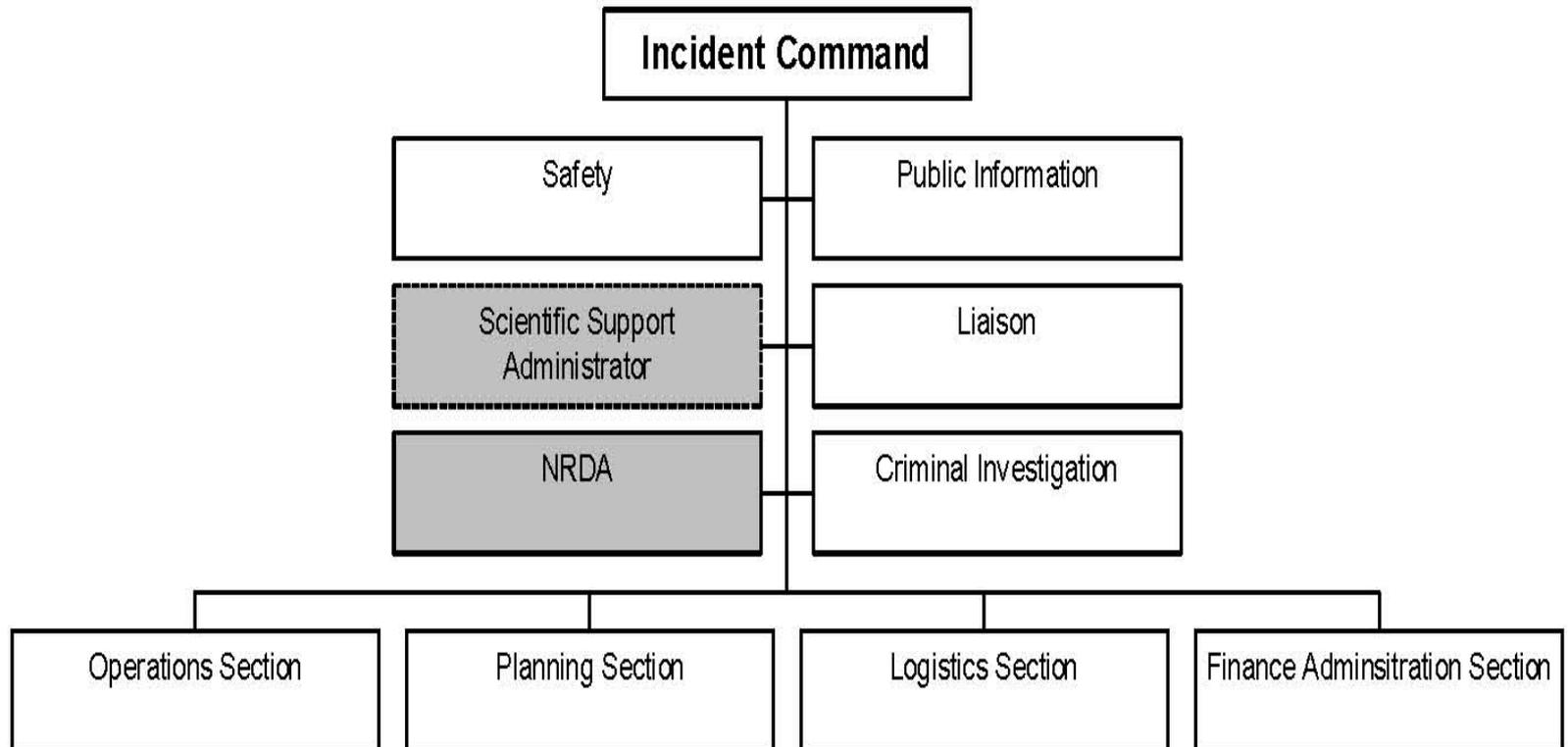
INCIDENT COMMAND STRUCTURE (GENERIC) FOR RI DEM

This structure will be adapted to the incident and available resources.



OIL SPILL INCIDENT COMMAND STRUCTURE (Multi-page)

Note: Under appropriate conditions, Incident Command will shift units that are shaded gray from roles in containment and clean up to Natural Resource Damage Assessment (NRDA).



Operations Section

Technical Assistant

Air Operations

Recovery Branch

Law Enforcement Branch

Wildlife Branch

Damage Assessment Survey/Sampling Branch

Protection Group

On-Water Recovery Team

Skimmer Task Force

Vessel Strike Team

On-Shore Recovery Team

Disposal & Decon Group

HazMat Group

On-Water Law Enforcement

On-Land Law Enforcement

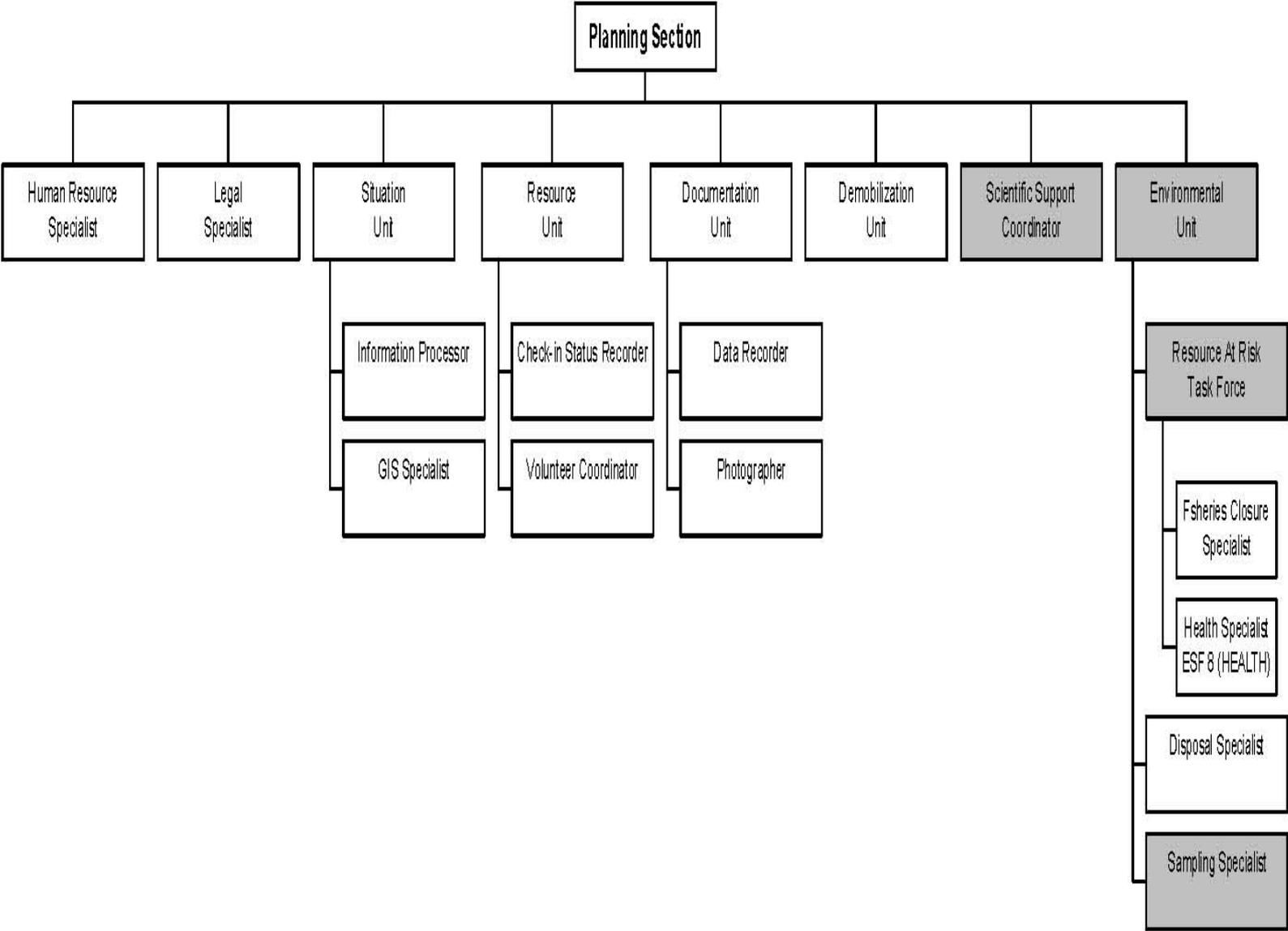
Security Team

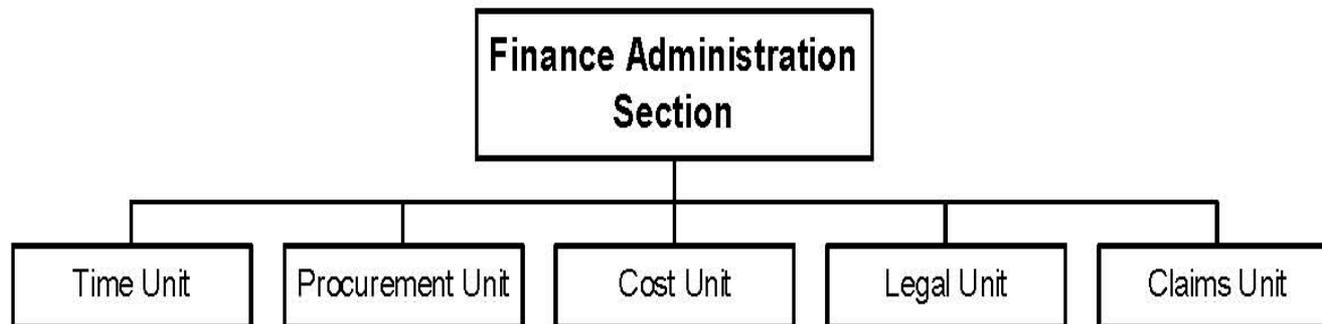
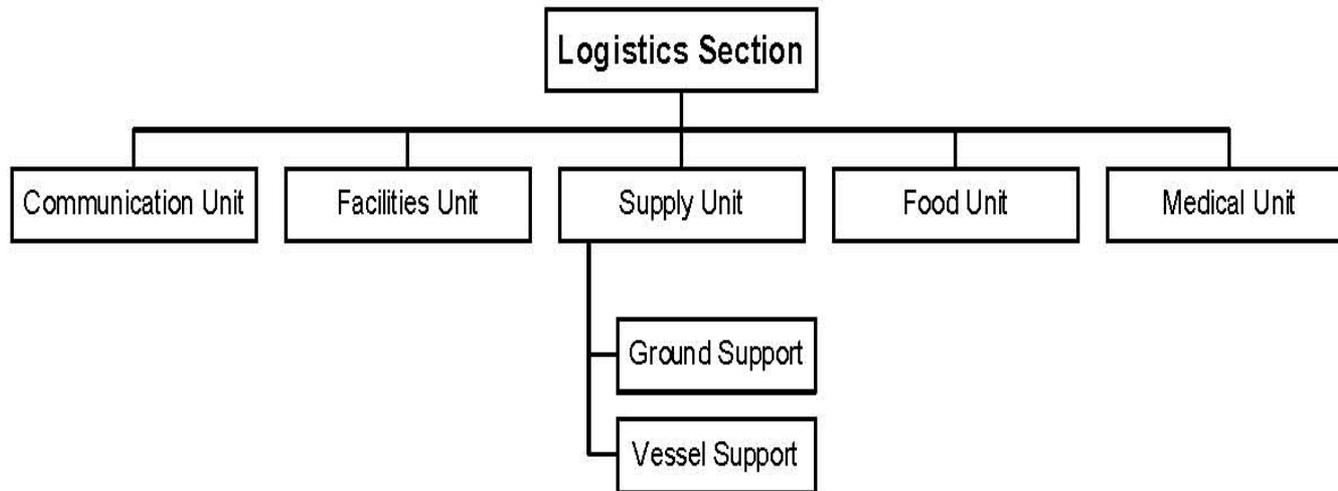
Wildlife Recovery Group

Wildlife Rehab Center

On-Shore Teams

On-Water Teams





Environmental Support Functions

ESF #1 - Transportation

- Federal and civil transportation support
- Transportation safety
- Restoration/recovery of transportation infrastructure
- Movement restrictions
- Damage and impact assessment

ESF #2 – Communications

- Coordination with telecommunications industry
- Restoration/repair of telecommunications infrastructure
- Protection, restoration, and sustainment of national cyber and information technology resources

ESF #3 - Public Works and Engineering

- Infrastructure protection and emergency repair
- Infrastructure restoration
- Engineering services, construction management
- Critical infrastructure liaison

ESF #4 - Firefighting

- Firefighting activities on Federal lands
- Resource support to rural and urban firefighting operations

ESF #5 - Emergency Management

- Coordination of incident management efforts
- Issuance of mission assignments
- Resource and human capital
- Incident action planning
- Financial management

ESF #6 - Mass Care, Housing, and Human Services

- Mass care
- Disaster housing
- Human services

ESF #7 - Resource Support

- Resource support (facility space, office equipment and supplies, contracting services, etc.)

ESF #8 - Public Health and Medical Service

- Public health
- Medical
- Mental health services
- Mortuary services

ESF #9 - Urban Search and Rescue

- Life-saving assistance
- Urban search and rescue

ESF #10 - Oil and Hazardous Materials Response

- Oil and hazardous materials (chemical, biological, radiological, etc.) response
- Environmental safety and short- and long-term cleanup

ESF #11 - Agriculture and Natural Resources

- Nutrition assistance
- Animal and plant disease/pest response
- Food safety and security
- Natural and cultural resources and historic properties protection and restoration

ESF #12 - Energy

- Energy infrastructure assessment, repair, and restoration
- Energy industry utilities coordination
- Energy forecast

ESF #13 - Public Safety and Security

- Facility and resource security
- Security planning and technical and resource assistance
- Public safety/security support
- Support to access, traffic, and crowd control

ESF #14 - Long-Term Community Recovery and Mitigation

- Social and economic community impact assessment
- Long-term community recovery assistance to States, local governments, and the private sector
- Mitigation analysis and program implementation

ESF #15 - External Affairs

- Emergency public information and protective action guidance
- Media and community relations
- Congressional and international affairs
- Tribal and insular affairs

SSEER's Role

- Data Management
- Perform Trajectory & Oil Fate Modeling
- Impacts to Biota, Habitats & Economic Resources (NRDA)
- Photo-documentation, Shoreline Surveys
- Training for DEM Personnel
- Collect and Document Ephemeral Data
- Environmental Monitoring & Sampling

Examples

- Water Sampling
- Intertidal Sediment Sampling
- Subtidal Sediment Sampling
- Salt Marsh Reconnaissance
- Biota Collections & Sampling
- Shellfish Tissue Sampling
- Biota/Tarball Stranding Documentation
- Underwater Photography/Video
- Sediment-Profile Photography
- Fishery Impacts (Including Surveying)

A scenic photograph of a sunset over a body of water. The sun is low on the horizon, casting a golden glow across the sky and reflecting on the water. The foreground is filled with dark, silhouetted bushes and grasses. The overall mood is peaceful and serene.

James Ball

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