Group 1

Break Out Group Report Form

Useful and important attributes of assessment of current knowledge

- Builds on previous research
- Includes:
  - research, incl. NRC + progress on NRC recs
  - regulatory schemes
  - vehicles + fora for addressing
  - confidence info re: data
  - state of knowledge info from NOAA Exposure Criteria
  - data from SOSUS, Mead,
- Communicates to Congress
  - what all anthropogenic sound sources are
    - sound characteristics
    - where found geographically
    - estimate of amount of energy that goes into env.
    - what is known about m m hearing
- Includes
  - data from strandings, incl. non-noise
  - data from monitoring of permits
- Issues:
  - peer review definition
  - use all info sources + delineate what is peer...

Group 2

Break Out Group Report Form

Useful and important attributes of assessment of current knowledge

A. Assessment of Noise Levels over time
Ambient (Navy Data?), Point sources – Medea?

B. Population Threats
- Basic Biology, fish/plankton
- Chronic and acute

C. Behavioral Aspects
- Mechanism that Caused Strandings
- fish

D. Stock Assessment Reports & Plans:
- distribution & abundance of species
- will they cover all species, habitats?

E. Expand to Include All MM Species:
Polar Bears, Walruses, Sea otters ....

F. Int'l Laws & Treaties:
- Mass strandings response
- Noise mitigation measures

G. Funding Sources & Levels
- who
- managed
- priorities

Group 3 - pg 1

Break Out Group Report Form

Useful and important attributes of assessment of current knowledge

- ~~Build on existing info~~
- Potential of ways sound impacts marine life:
  - matrix of impacts at various levels for various species, inc. sound sources, (acute, chronic, cumulative impacts)
- Sound sources budget ~~with~~ -
  - expansion of Hildebrand
  - geographic distribution of sound sources + impacts
- synthesize stranding information
- SEAMAP - Biogeographic GIS survey
  - Populations, critical habitat, MPAs, Prey populations
- ecosystem, trophic level impacts,
  - larval, fish

Group 3 - #2

Break Out Group Report Form

Useful and important attributes of assessment of current knowledge

Format : annotated bibliography
Location : make it understandable
Sources of information
plain english
availability of source

- Programatic assessment of where agencies are now
- legal and regulatory scheme

- info that's lacking
- funding

GROUP 4

Break Out Group Report Form

Useful and important attributes of synthesis of current knowledge

- NEED EXPERTISE OUTSIDE OF COMMITTEE (HUGE TASK!)
- BREVITY (REVIEW NRC RESULTS)
- ORGANIZED INDEXED REFERENCE LIST (BIBLIO)
- PEER VS. NON-PEER REVIEWED INFO
- ID KEY POLICY ISSUES E.G. RESEARCH NEEDS IN LIGHT OF POLICY ISSUES:
  - ENVIRONMENT
  - SOCIETAL
  - ECONOMIC
  - ETHICAL
  - NATIONAL SECURITY

GROUP 4

Break Out Group Report Form

Useful and important attributes of assessment of current knowledge

- EXPANDED DATA BASES
  - STRANDING INFO
  - NOUSE SOURCE OPERATIONAL CHARACTERISTICS
  - POPULATION ASSESSMENT
  - OTHER
- ASSESSMENT OF BENEFITS/LIMITATIONS OF DIFFERENT KINDS OF RESEARCH
- ECOSYSTEM ISSUES
  OTHER "CRITTERS"