



Developing the Cases



Case Development is a Collaborative Effort by:

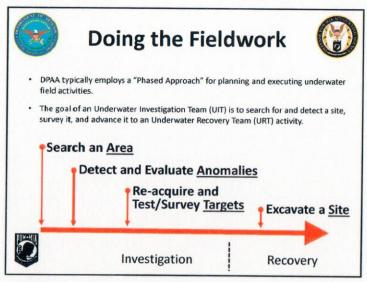
- Analysts/Historians
- Archaeologists
- Mission PlannersDetachment Staff
- Other Directorate Staff

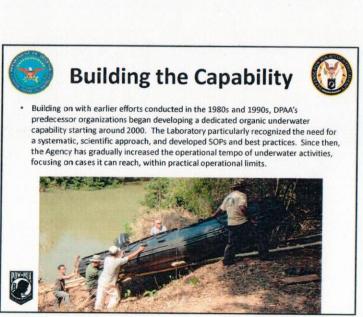


Considerations in Developing Cases for Field Activity Include:

- · Assessing the specific circumstances of each loss incident
- · Analyzing the relative accuracy of reported loss locations
- Determining the depth ranges within each loss area
- Defining the search area size and boundaries
- · Establishing the scientific and technical requirements
- · Conducting an assessment of environmental conditions
- Determining any specific logistical requirements or restraints
- · Addressing areas of multiple cases, as well as isolated case areas









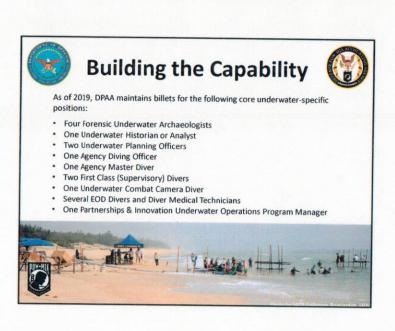
Doing the Fieldwork

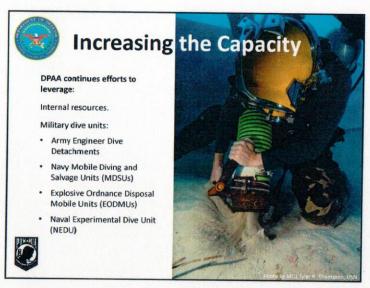


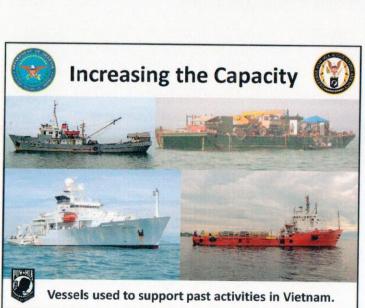
- Underwater investigations sometimes follow on Leads generated by traditional Investigation Teams (ITs), Research and Investigation Teams (RITs), Detachment staff, or Unilateral Investigation activities. Witnesses may also provide key information at any point in the process.
- If a site is not detected during an underwater investigation, it may be necessary to further define the UIT requirements, and assess whether a supplemental UIT activity might be recommended.



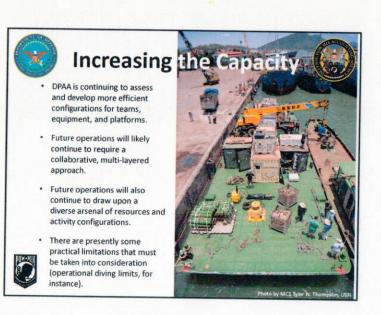














Countering Common Misconceptions



1. "Underwater sites are too difficult to find."

While each case is different based on the specific loss circumstances, we have demonstrated that some of these sites can be detected.







Countering Common Misconceptions



2. "Underwater sites are too difficult to correlate to a specific loss incident."

While it is not always straightforward, we have demonstrated that some underwater wreck sites can be correlated.







Countering Common Misconceptions



3. "Underwater wreck sites are too scattered or too complex to recover."

While some wreck sites can be large, scattered, highly disintegrated, or complex, we have demonstrated that some can be defined and recovered to a reasonable extent.





Countering Common Misconceptions



4. "Underwater environments will not yield identifiable remains."

While each case and site environment is different, we have demonstrated that identifiable remains can be recovered from underwater sites.







Countering Common Misconceptions

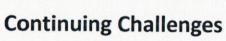


5. "Underwater search and recovery efforts are inherently dangerous."

Underwater activities can be conducted safely. Field activities are subject to risk management like any other field activity, and safety is always paramount. Depths and practical diving limits are a consideration.









- · Variable depth ranges and distances from shore (or unique inland/riverine requirements), versus practical operational limits, as well as what particular capabilities can be fielded.
- · Differing interpretations of territorial maritime limits (10 versus 12 nautical miles) and other maritime boundaries.
- · Leveraging the best platforms into the appropriate areas (restrictions on U.S. vessels in northern waters).





Continuing Challenges



- · Many wreck sites are likely disintegrated, largely buried, and lie in poor visibility environments.
- · The best approach in site detection will likely continue to be via intensive search, survey, and testing, through a combined use of different sensor types - primarily magnetic and acoustic.
- · Increasing the level of support by more efficient platforms and sensor suites (autonomous underwater vehicles, for instance), balanced with the need to employ the most appropriate search strategies and methods for each case.





