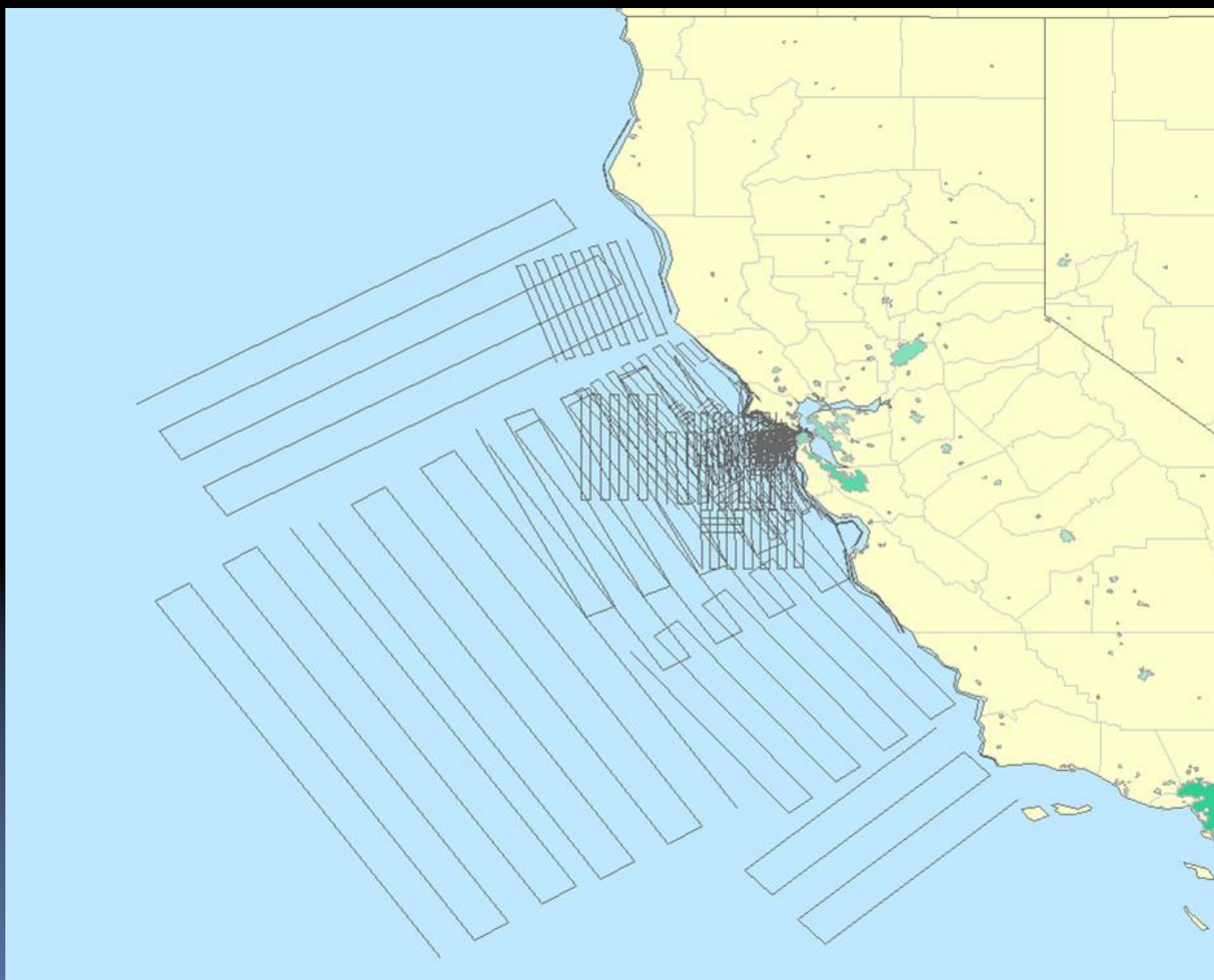


Democratizing access to tools and techniques

THE SEARCH FOR JIM GRAY

US Coast Guard Sorties





Goal of the Amateur
Search

Find Jim!



A More Focused Goal for the Amateur Search

Use remote sensing data,
analytical tools and
volunteers to help direct
the search for Tenacious.

High-Tech Techniques

- Collect satellite and aircraft imagery of likely areas
- Use a mix of computational and human processing to look for Tenacious
- Model sea surface conditions and drift to plot trajectories of likely targets
- Fly out to look for them
- Repeat

Low-Tech Techniques

- Keep the story in front of the broadcast and print media
- Poster marinas, talk to harbormasters
- Walk and fly the coast, looking for Tenacious

Other Recent Searches

- James Kim and family
 - Drove off of plowed roads in wintertime, became trapped in the wilderness
 - Cell phone signal eventually used to narrow search, rescue family
- Steve Fossett
 - Small aircraft crashed shortly after takeoff in rugged Nevada wilderness
 - Extensive visual search failed to find craft

How Can We Help the SAR Pros?

- Better remote sensing tools
 - Cell phone signal detection
 - Timely imaging
- Access to Expertise
 - Data manipulation and interpretation

Other Important Issues

- Organization
 - Responsiveness is critical
 - Time is of the essence
 - Funding, administration, governance...
- Jurisdiction
 - More often an issue in land-based SAR



A Jim Gray Question...

How can we apply people
and technology to make
a positive difference in
search and rescue efforts?