

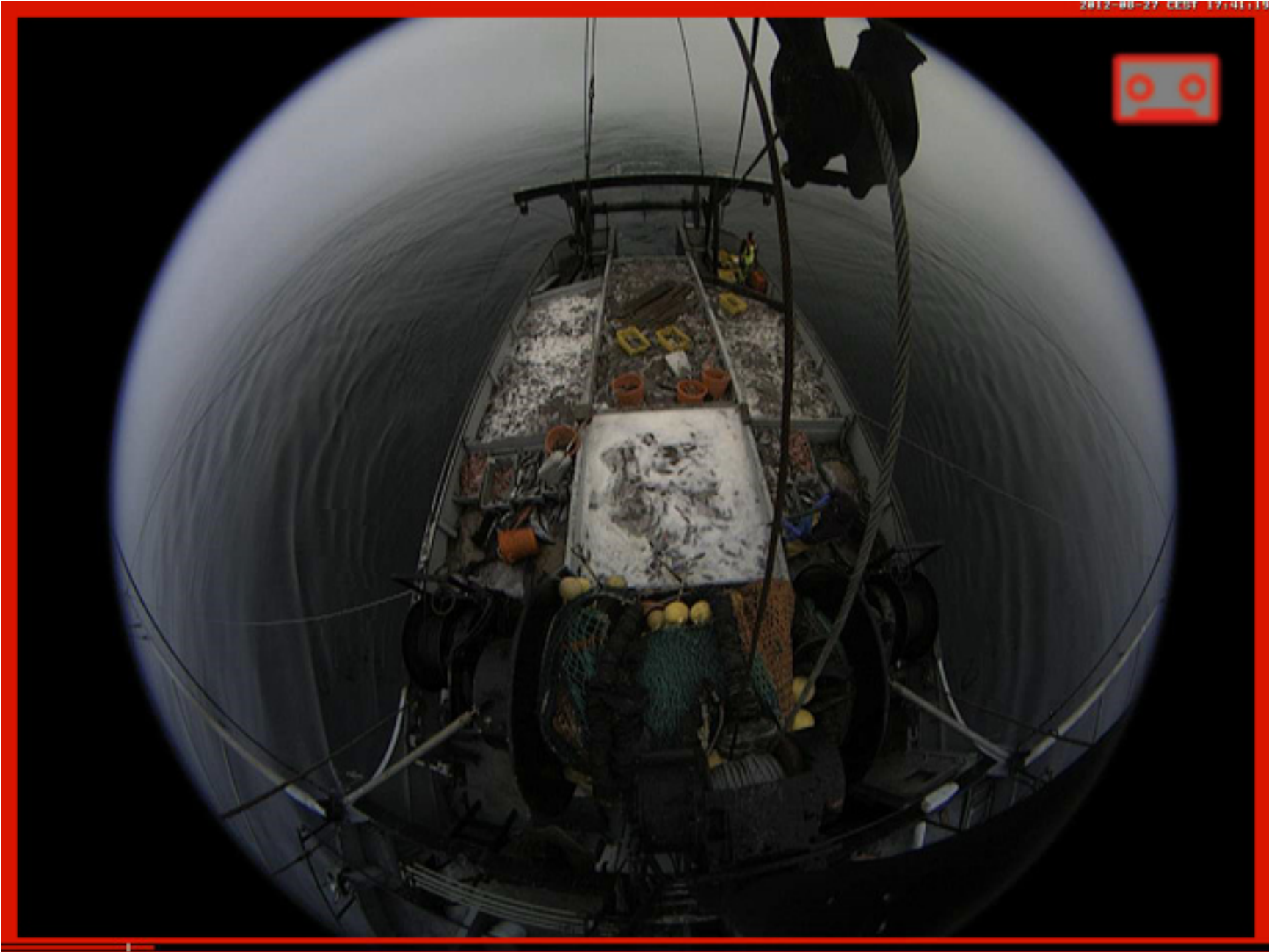
Summary of
National Fish and Wildlife
Foundation
Grants to the FMA

February 25, 2013

First Grant Question?

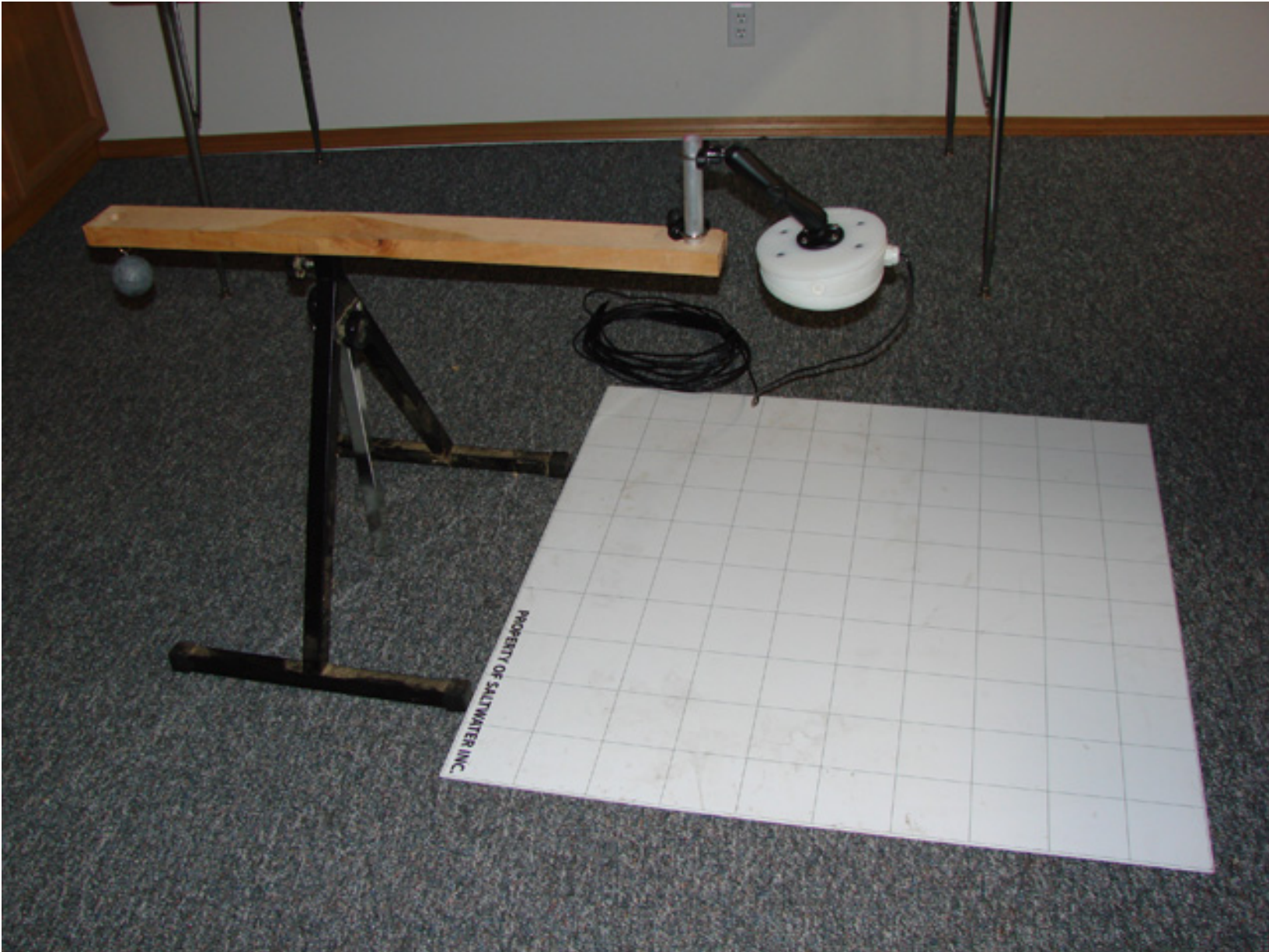
- Can video images allow humans to identify the species of fish?



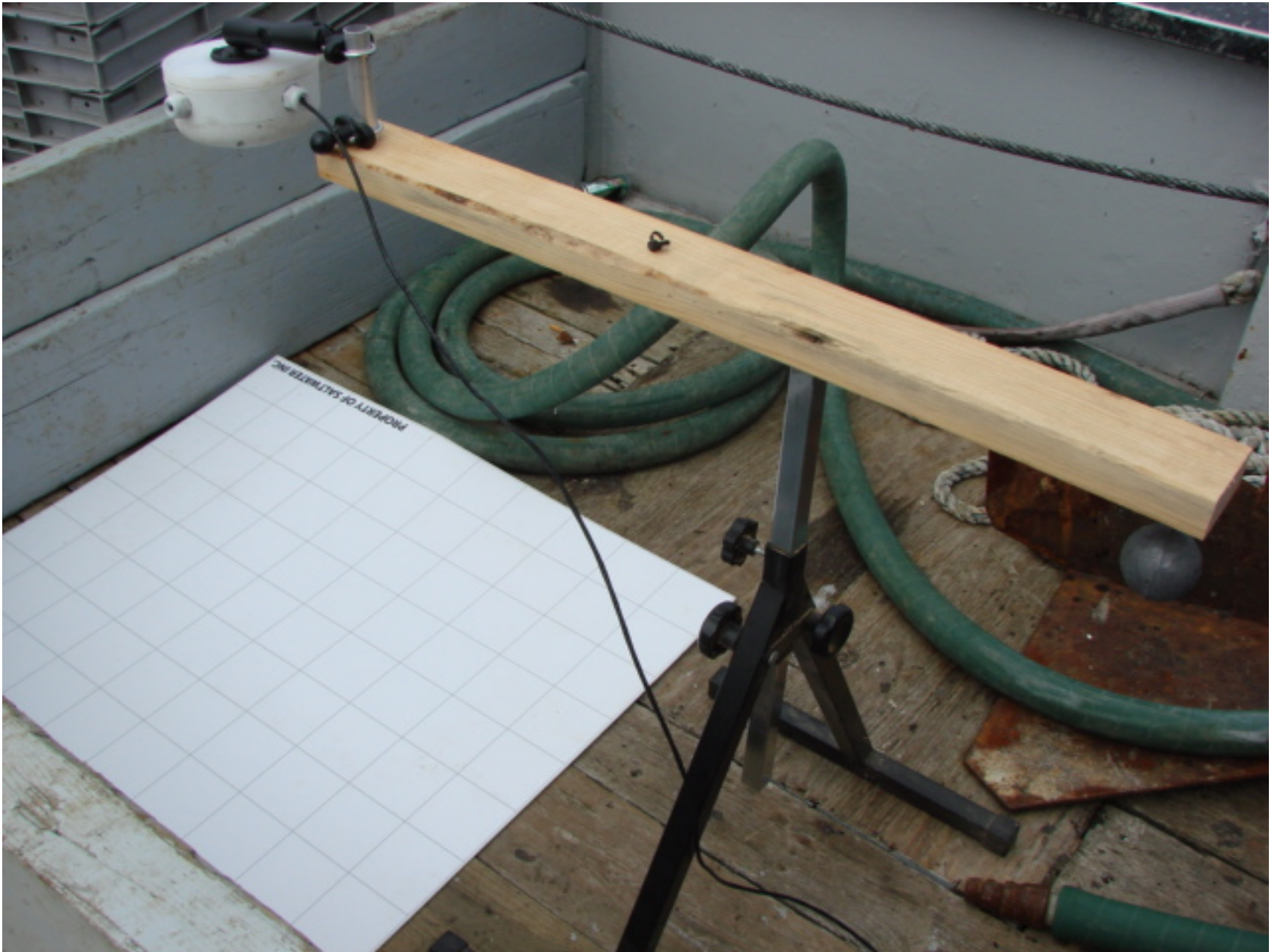








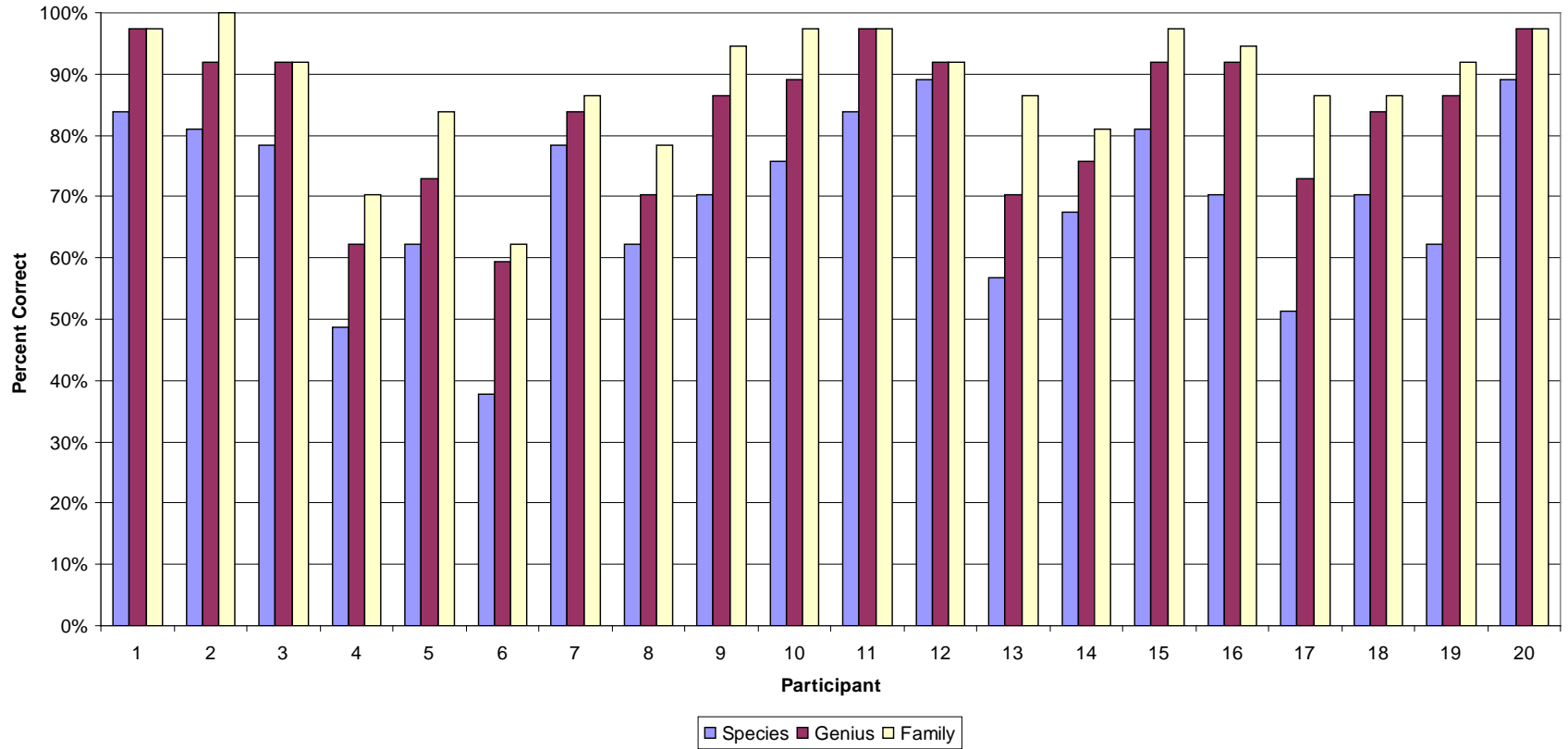
PROPERTY OF SALTWATER INC.



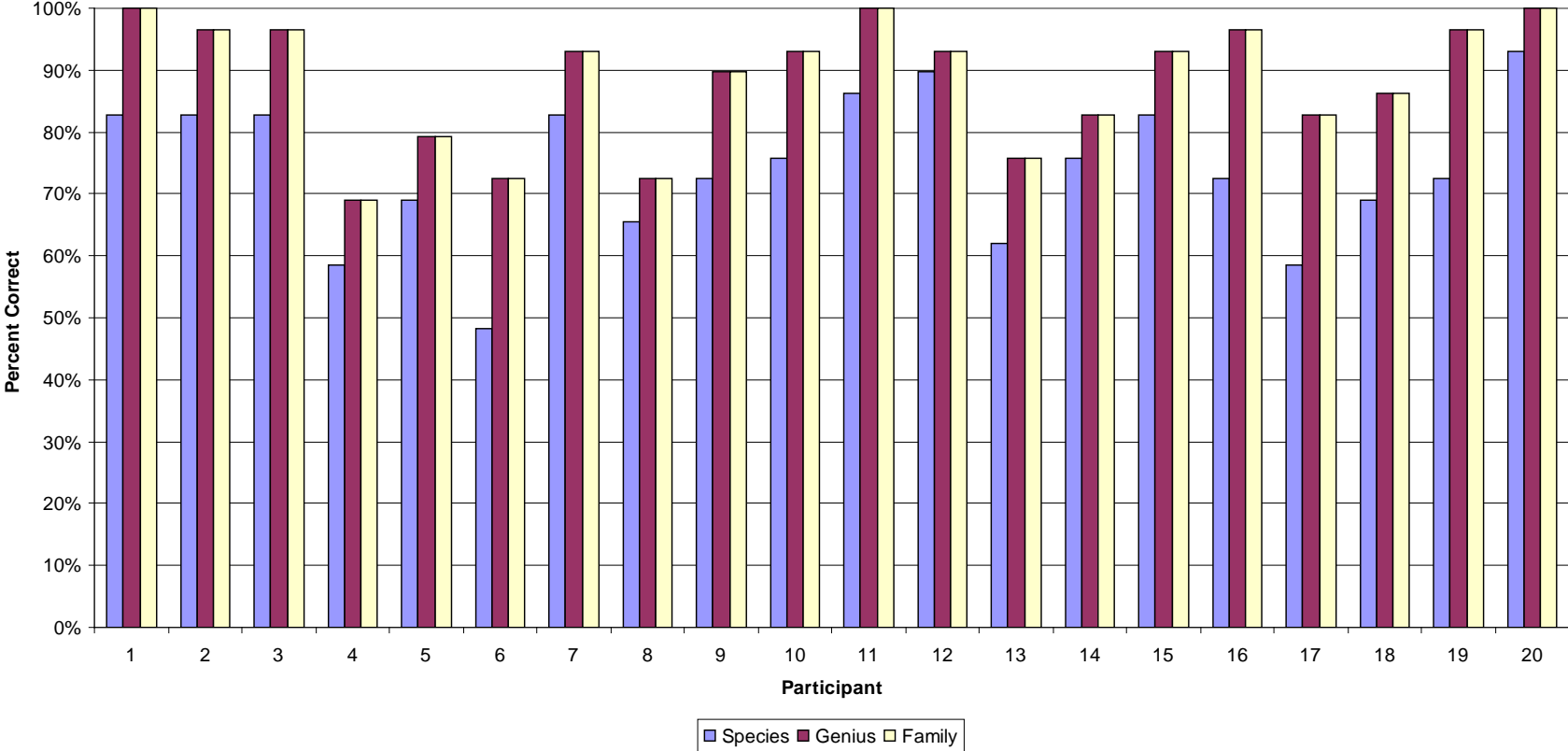
Test Video Formats

- avi
- wmv
- mpg
- mov
- asf

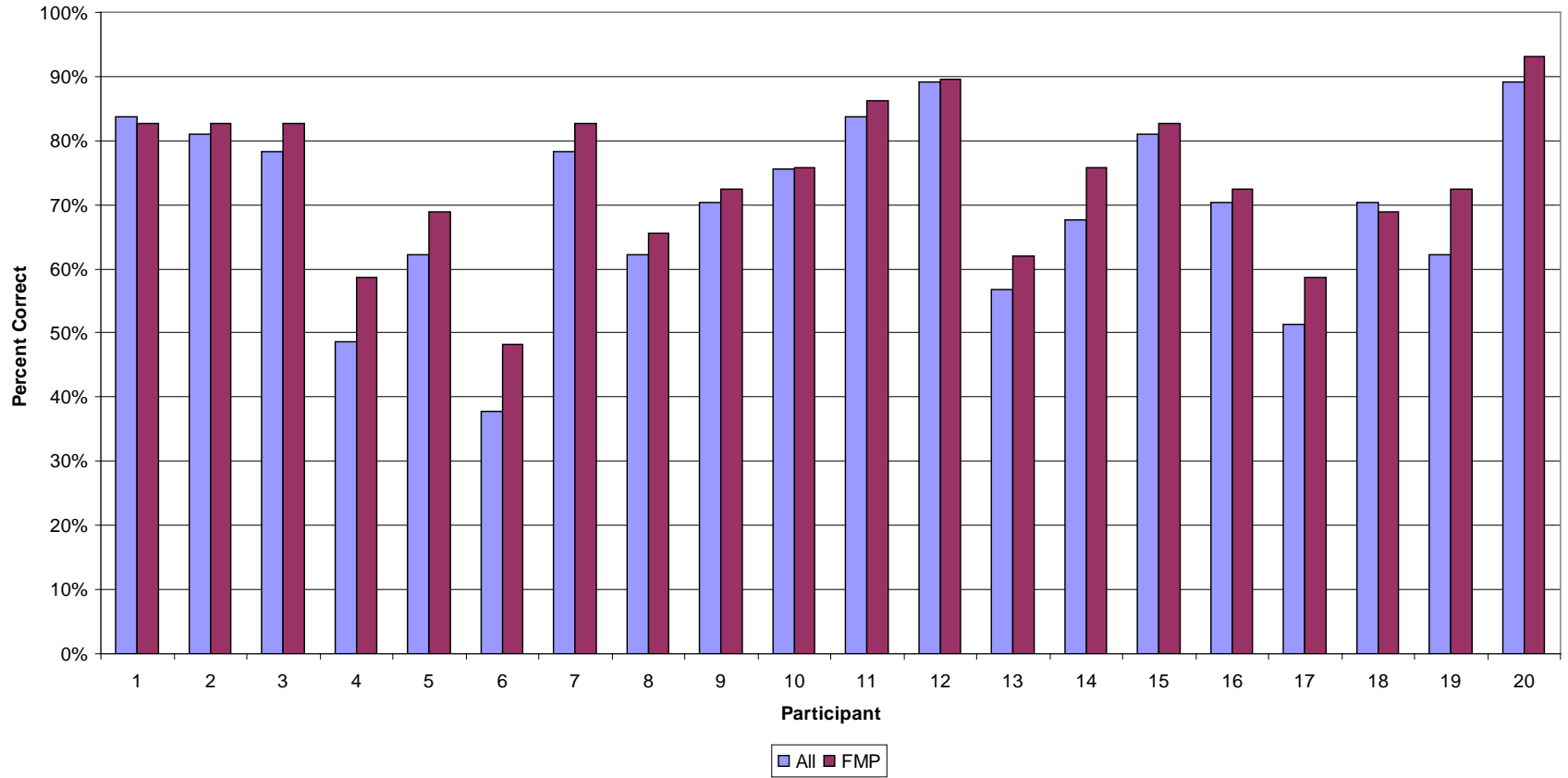
Results of Species Identification from Video Test for All Species



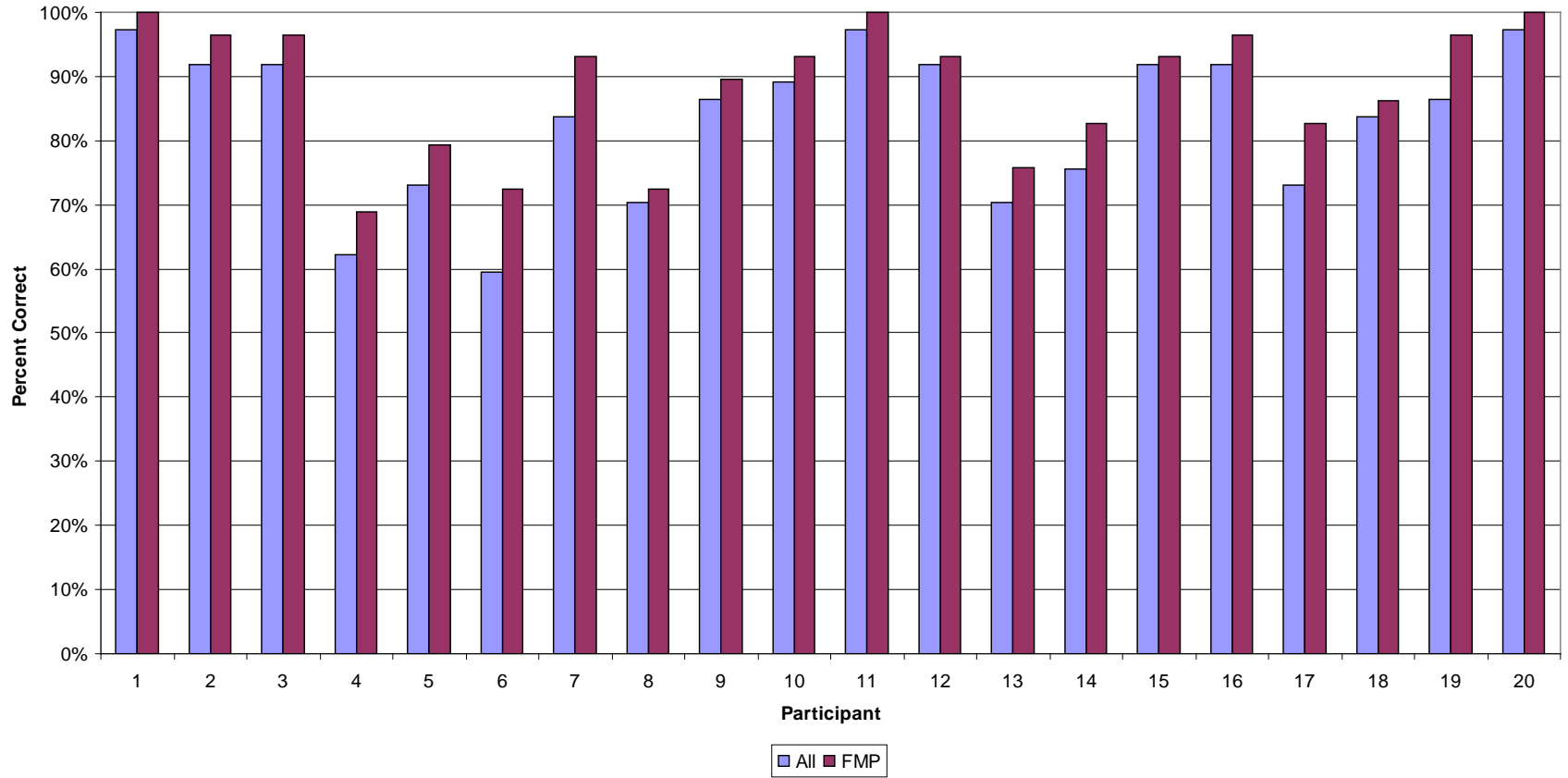
**Results of Species Identification
from Video Test for FMP Species**



Comparison of All versus FMP Species



Comparison of All versus FMP Genius



Problems

- Lighting
- File format
- Media player

Answer to Question

- A conditional yes.

Second Grant Questions?

- Can software identify discard behavior on the back deck?
- Can software identify the species of fish which could be discarded?

Answer to Questions

- For both questions, it looks good at this time, but work is continuing.

Dr. Sinisa Todorovic

2107 Kelley Engineering Center
School of EECS
Oregon State University
Corvallis, OR 97331

541-737-7268