



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Cody J. Long	Project Number J1918
Project Title Which Bait Do Crabs Bite?	
Abstract Objectives/Goals My project was to determine what kind of bait is the most effective in catching Dungeness crab. This species is the most common sport crab in Humboldt Bay. There were two things I was looking for, which kind of bait catches the most crab, and which kind of bait catches the biggest crab. Methods/Materials I chose these three types of bait: fish heads, clams, and squid. These baits were chosen over something like dog food because it seems most logical that a crab would eat something from its own habitat. I used three identical crab pots, placed in close proximity to each other and did six tests. Results The fish heads got the best results in catching the largest quantity of crabs. Fish heads caught more than the squid and clam bait combined. The squid was the most effective bait in catching the largest crabs; the average size was 5.08 inches. Conclusions/Discussion In conclusion, the largest quantity of crab was caught using fish heads. If you want to catch larger crab, which most often is the case; you would want to use squid. Clams were ineffective in catching crab in both size and quantity.	
Summary Statement My project was to determine which crab baits most effectively caught the biggest and most crab.	
Help Received My dad took me crabbing so I could conduct my study. My mom edited my written presentations. Gary Hendrickson, Professor of Fisheries at HSU, helped me with data presentation. A local fish house called Fish Brothers provided me with free fish heads.	