

ULUA TAGGING PROJECT



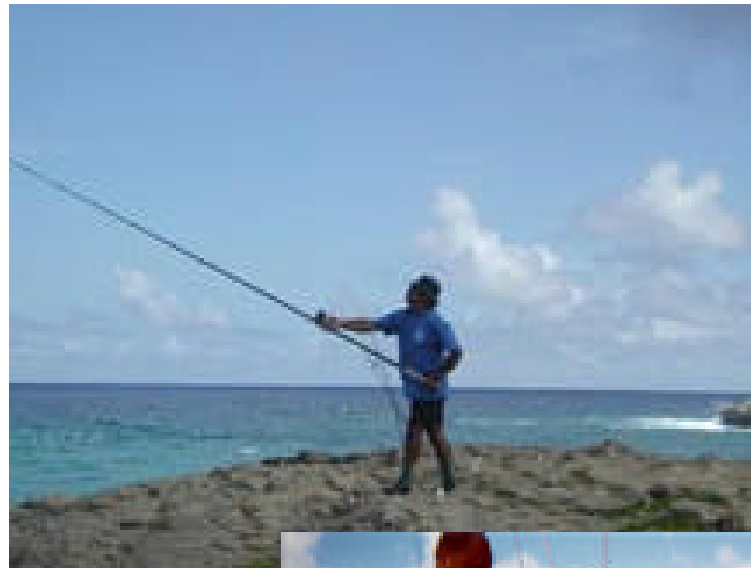
State of Hawaii
Department of Land & Natural Resources
Division of Aquatic Resources



Ulua Tagging Project



Division of Aquatic Resources
1151 Punchbowl Street, Room 330
Honolulu, Hawaii 96813



Angler Based



Captures



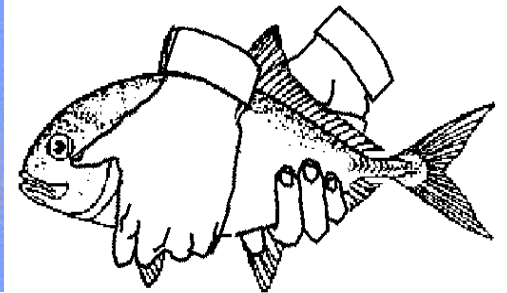
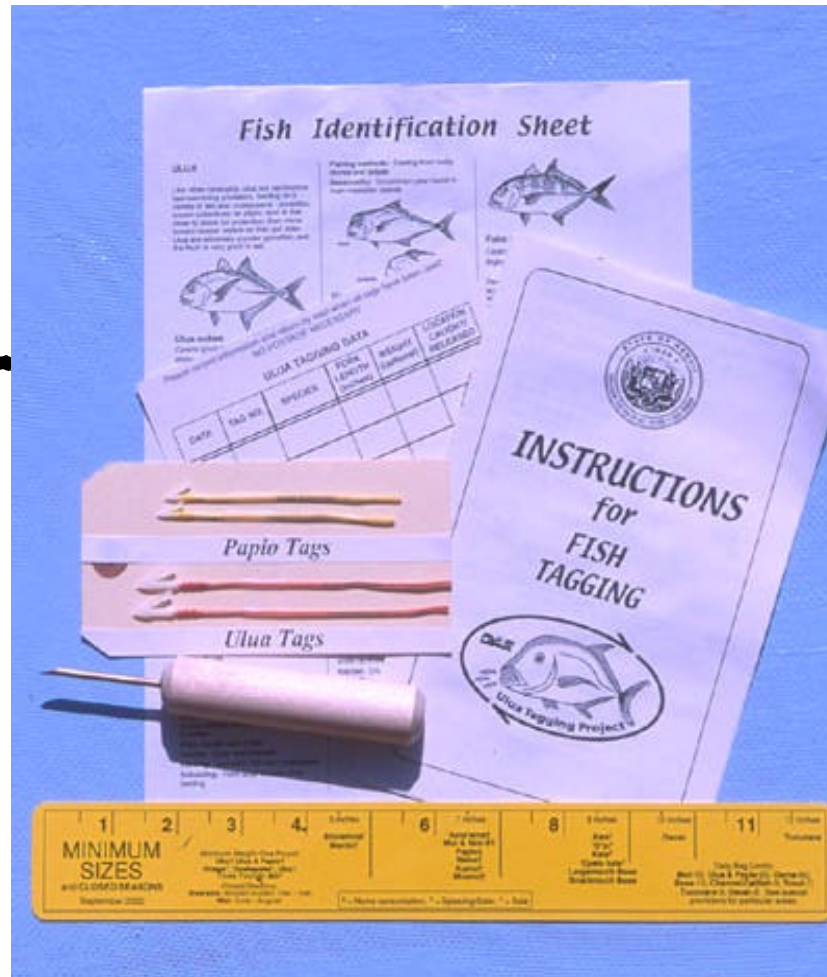
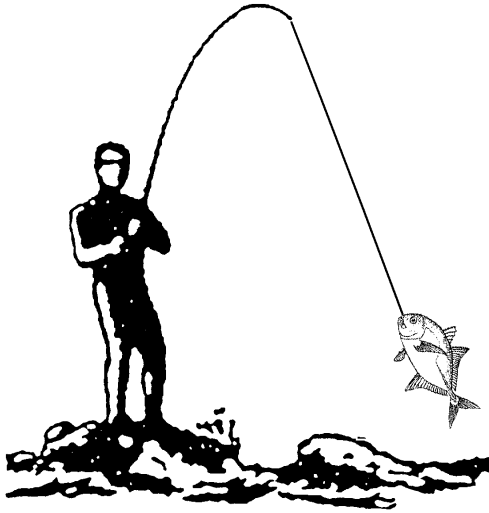
Tags



Releases

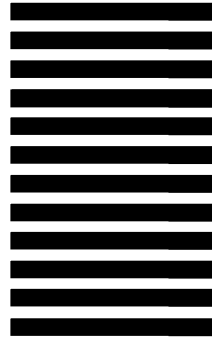


Tagging Kit Components





NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



BUSINESS REPLY MAIL

FIRST-CLASS MAIL PERMIT NO. 2397 HONOLULU HI

POSTAGE WILL BE PAID BY ADDRESSEE

ULUA TAGGING PROJECT
DEPT OF LAND & NATURAL RESOURCES
1151 PUNCHBOWL ST RM 330
HONOLULU HI 96813-9981



Data Return Card

Please record information and return by mail when all tags have been used
NO POSTAGE NECESSARY

ULUA TAGGING DATA

DATE	TAG NO.	SPECIES	FORK LENGTH (inches)	TIME CAUGHT	LOCA TION CAUGHT/ RELEASED

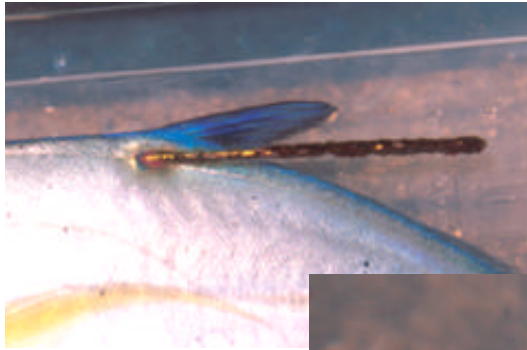


Please check here to request more tags

Quantity _____



Recovery Information



- 1. Tag Number**
- 2. Date Recovered**
- 3. Species**



- (*Optional Step)**
- 7. Re-release gently**



- 4. Fork Length**
- 5. Time Caught**
- 6. Location Caught**

January 29, 2004

Dear Garrett Aarii

Thank you for your participation in the Aquatic Resources' "Ulua Tagging Project". Fishermen's support and concern is essential to the success of this project. The information gathered through this project will help improve and strengthen resources for future generations to enjoy.

All fishermen who participate in this program whether tagging or in recovery of fish will be given information pertaining to that particular fish. Periodic recaps of the project will be published in our "Current Line" newsletter available at various sporting goods stores or published in the Hawaii Fishing News. In the near future we plan to establish a web site in conjunction with the DLNR web page.

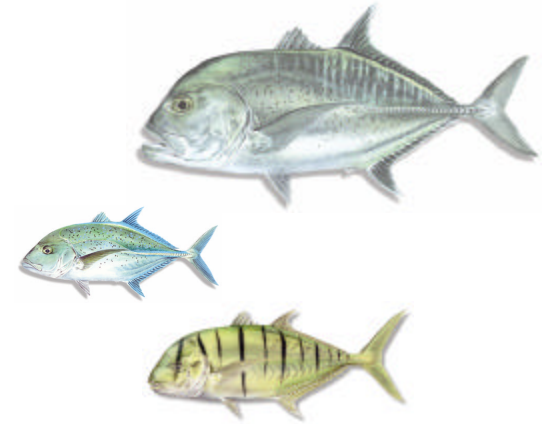
Tagging information for Tag No. P9180				Species: omilu			release			
Tagged By	Date Tagged	Fork Length Tagged (inches)	Location Tagged	Caught By	Date Caught	Fork Length Caught (inches)	Location Caught	Days Free	Distance Traveled (miles)	Growth (inches)
Edwin Watanabe	6/7/2003	8.5	Bishop Pt.,	John Bellino	6/20/2003	9.5	Bishop Pt., Hickam AFB	13	0	1
John Bellino	6/20/2003	9.5	Bishop Pt.,	Bob Takeuchi	7/21/2003	10.125	Bishop Pt., Hickam AFB	31	0	.625
Bob Takeuchi	7/21/2003	10.125	Bishop Pt.,	Garrett Aarii	1/12/2004	13	Hickam pier	175	0	2.875

Again thank you for your time and effort on this project. If you should have any questions or would like more information, please feel free to call Annette Tagawa or Clay Tam at (808) 587-0593 with the Division of Aquatic Resources' "Ulua Tagging Project". Have a great fishing season!

Sincerely,



Annette Tagawa
Ulua Tagging Project Coordinator

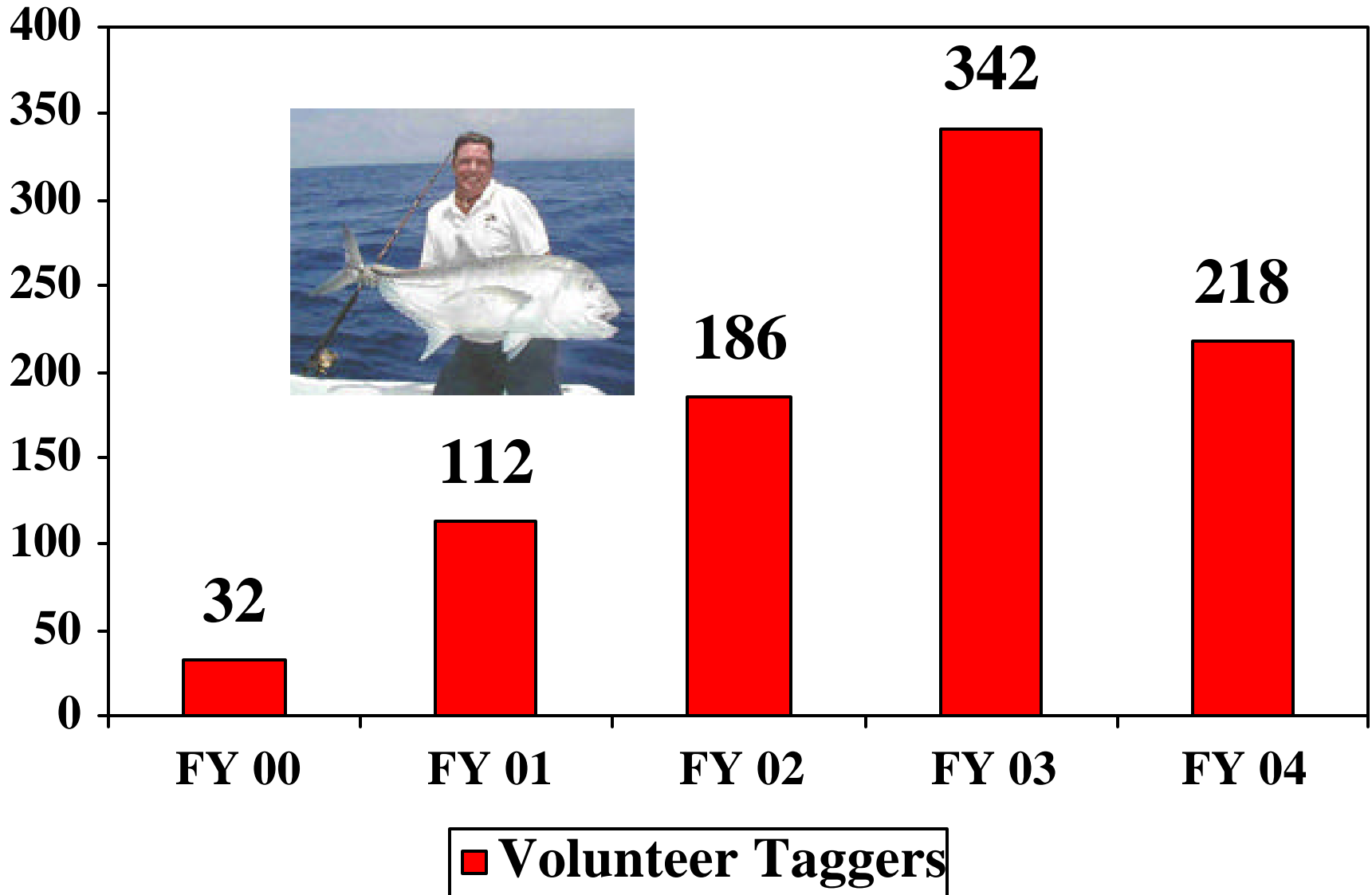


Project Goals

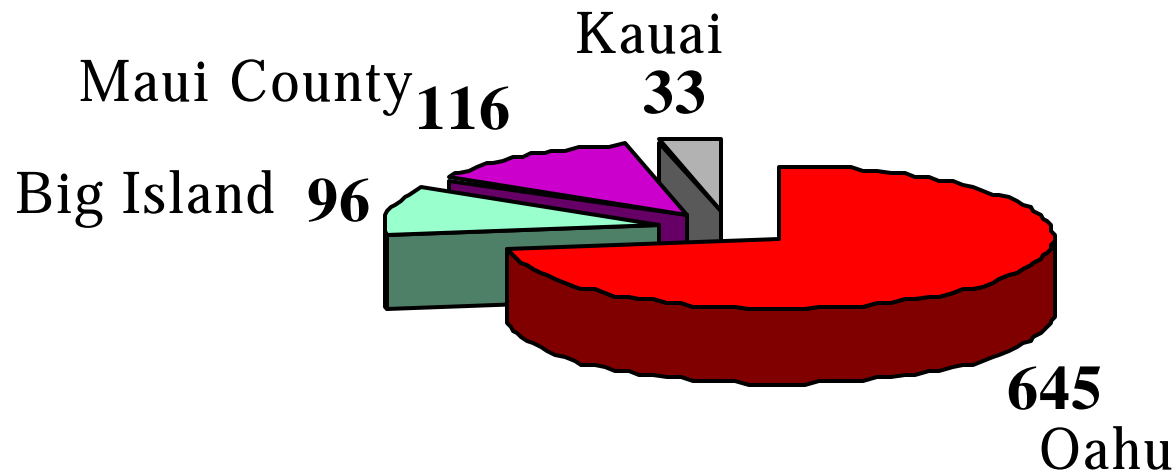
To gather information on the following:

- Determine movement/migration and habitat patterns of all species of ulua, papio and kahala
- Update growth curve information.
- Size distribution of fish caught and/or released by fishermen
- Stock distribution based on the numbers of fish tagged and recovered

Volunteer Anglers Recruited by Fiscal Year

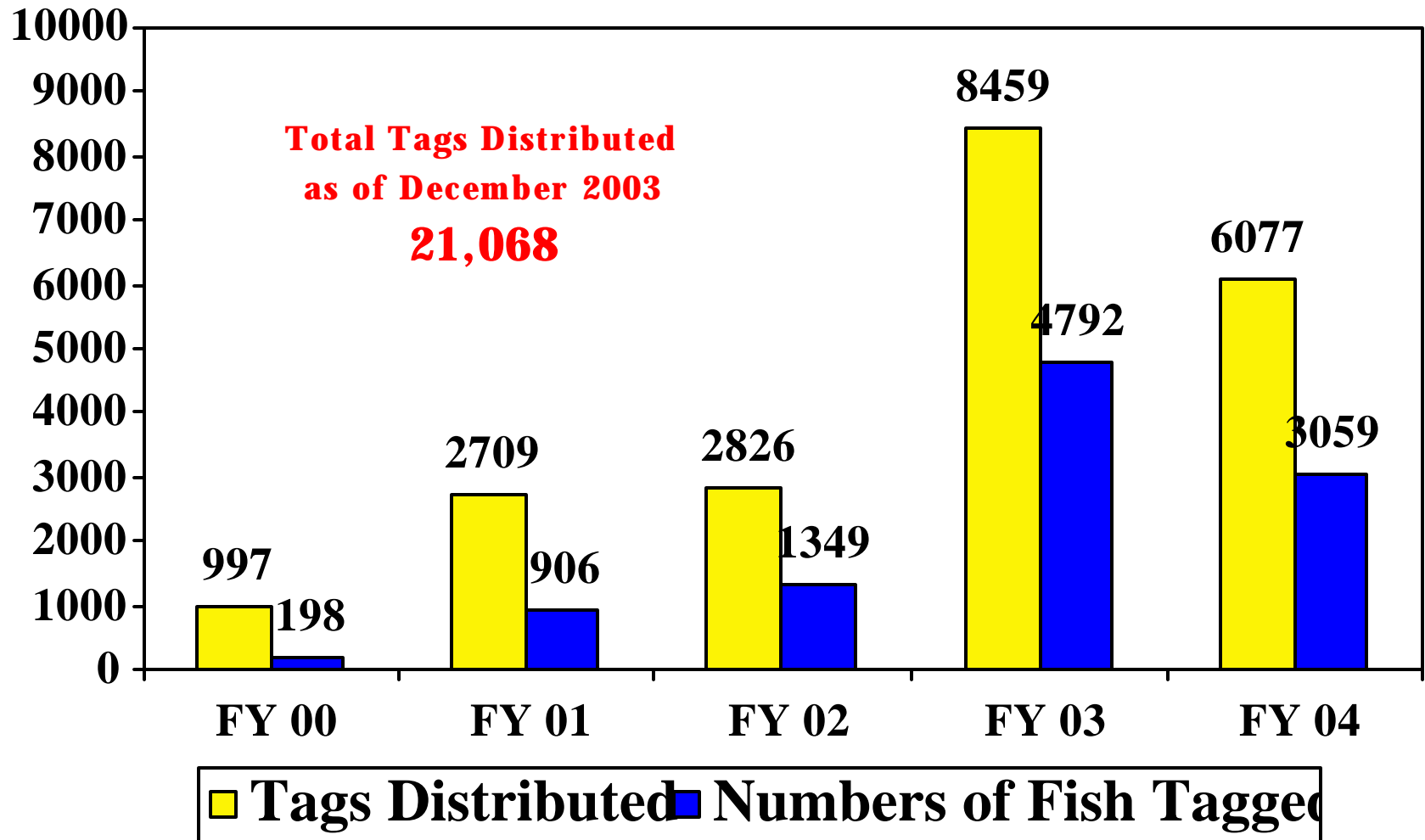


Total Number of Volunteer Fishermen as of December 2003

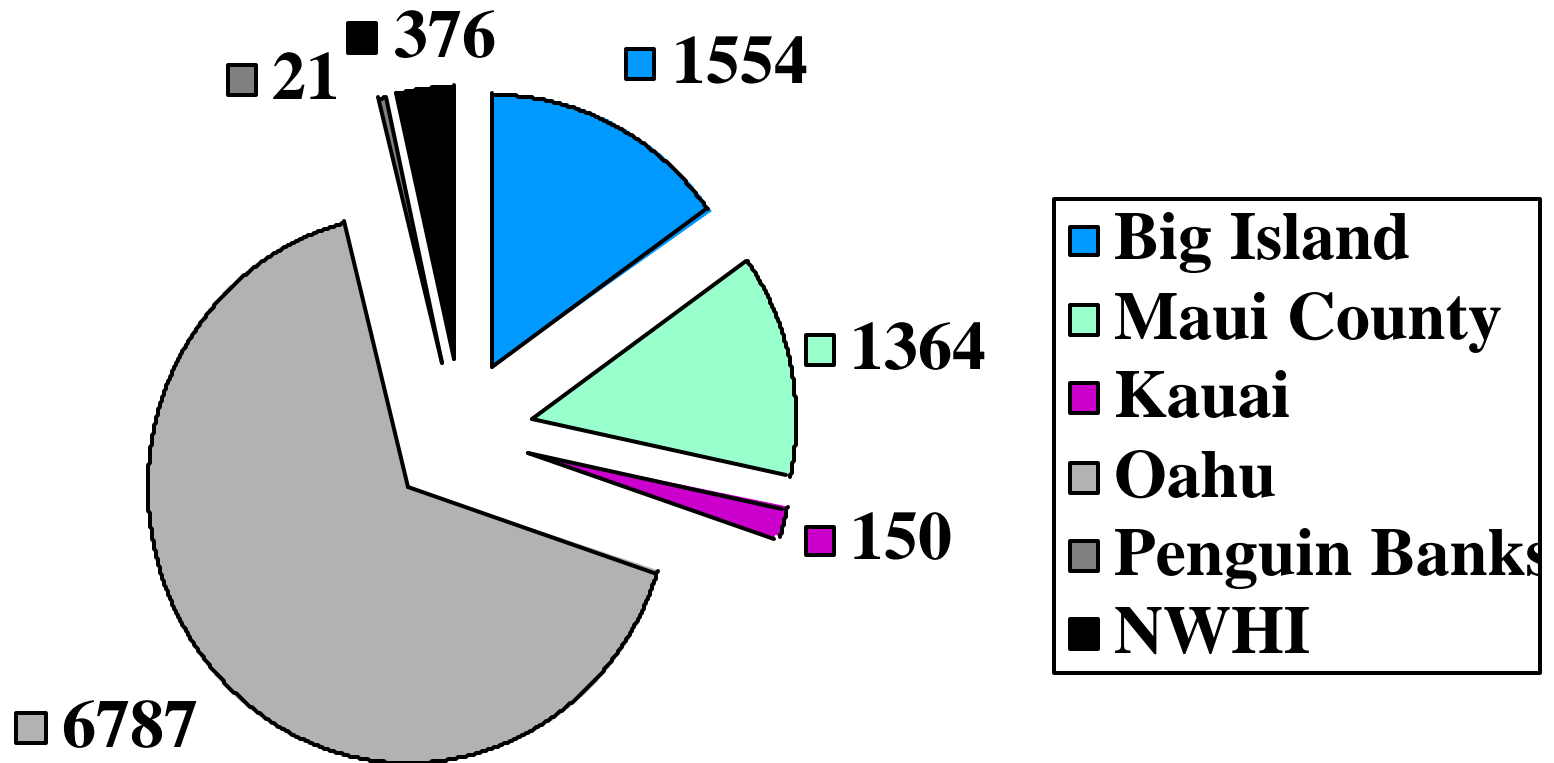


Total = **890** Volunteer Anglers













Tag Distribution and Numbers of Fish Tagged by Fiscal Year



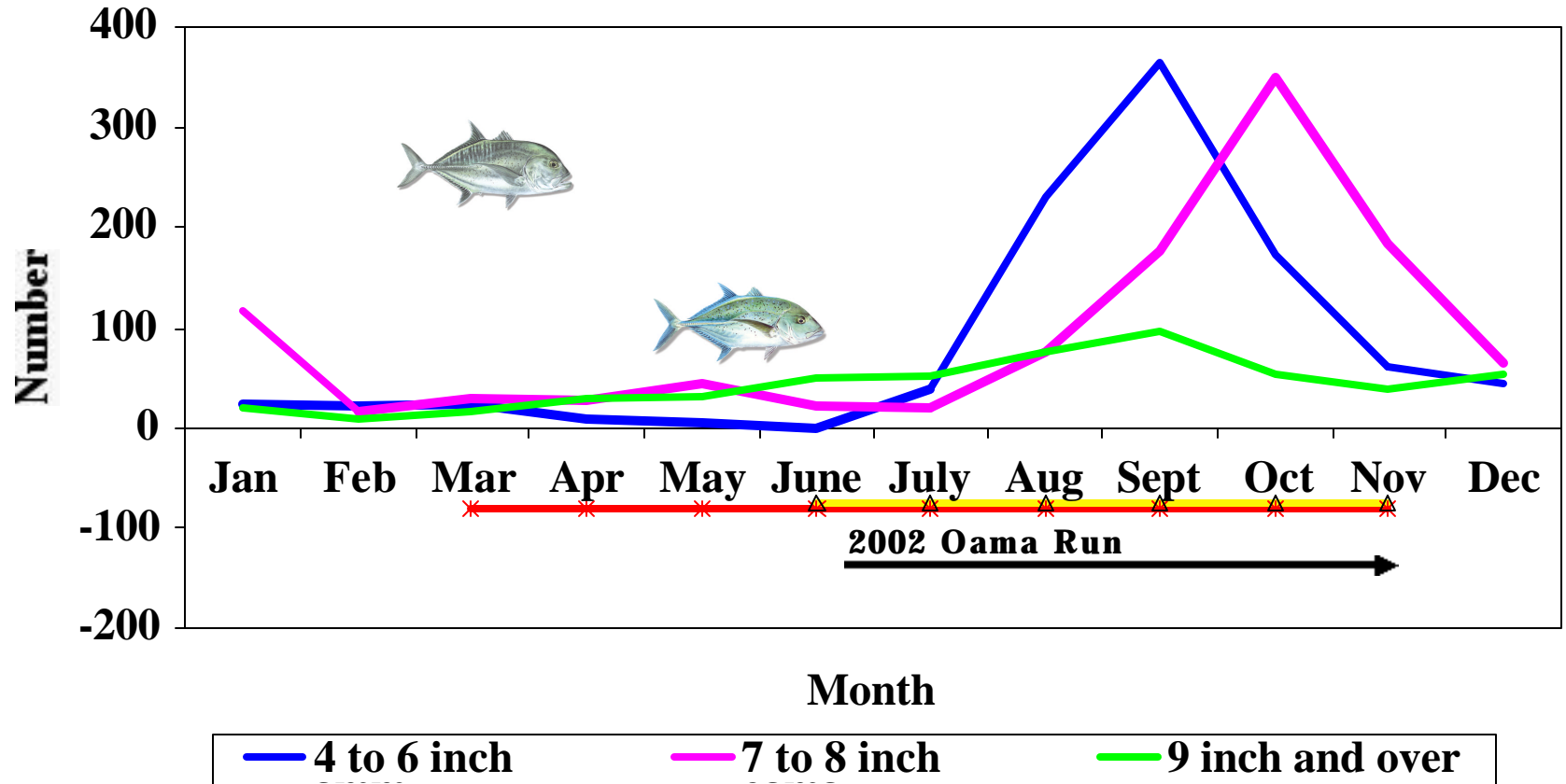
Numbers of Fish Tagged at each Island Locale as of December 200



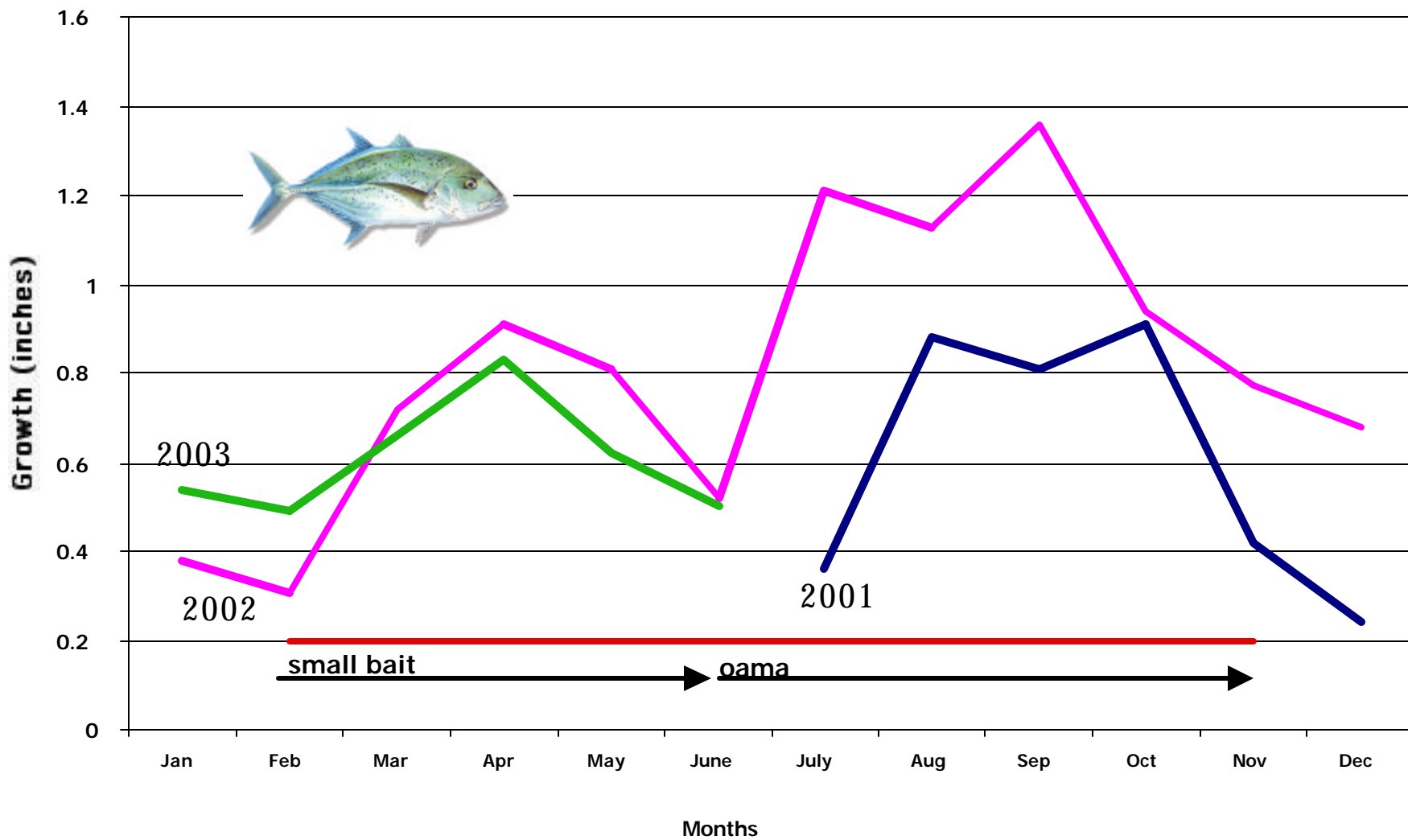
Total Numbers of Fish Tagged as of December 2003

	Species	Number of Fish Tagged	Size Ranges Tagged (Fork Length inches)	Number of Fish Recovered
	Kahala	1572	6 to 65	126
	Whi te	2602	4.5 to 58.5	439
	Omilu	5419	4 to 40	1069
	Butag uchi	53	9.5 to 36.5	0
	Papa	144	8 to 26.5	11
	Gungkan	4	28 to 34.5	0
	Kagam i	20	3.75 to 32	2
	Menpachi (Bigeye)	182	6 to 17	14
	Barred Jack	78	5.75 to 21	23
	Paopao	37	6 to 21	10
	Dobe	5	9.5 to 13	0
	Misc. Jacks	32	6.75 to 24.5	1
	TOTAL FISH TA GGED	10148	TOTAL FISH RE COVERED as of 11/30/03	1695 (=16.7%)

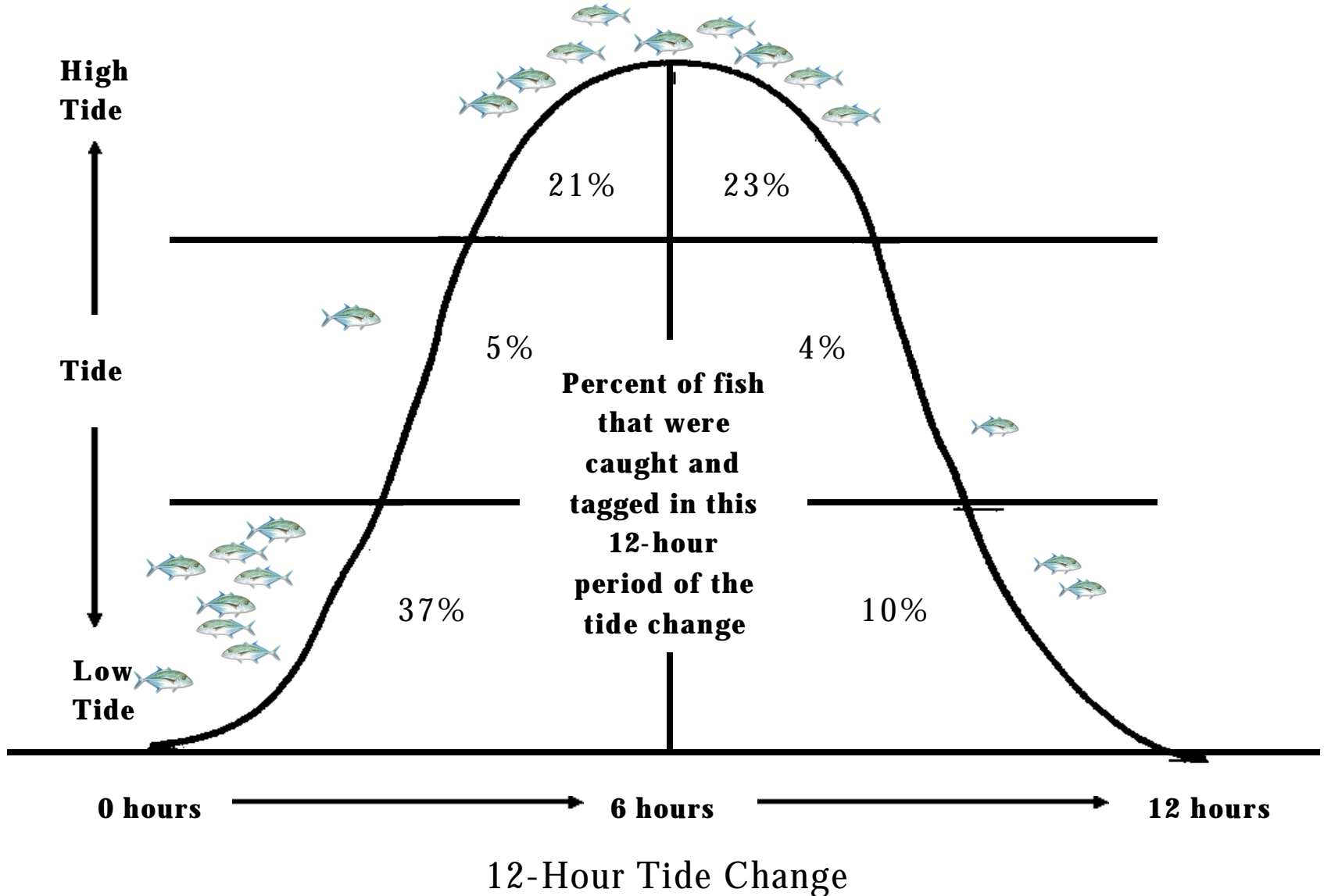
2002 Size Class Recruitment of Omilu and White Ulua/Papio Along the Shoreline



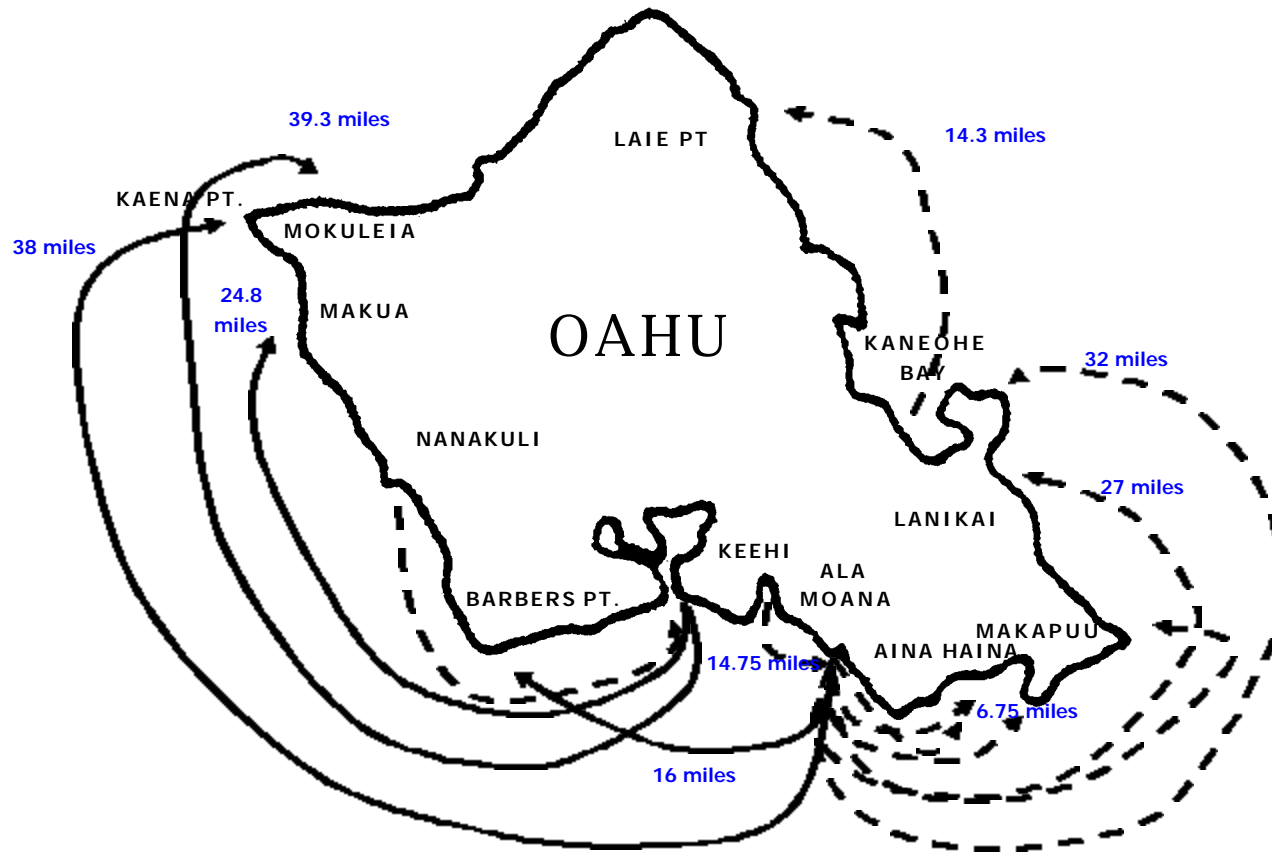
Average Monthly Growth Rates of Omilu at 4.5 to 13 inches FL



Number of Fish Caught and Released during Two-hour Periods of the Tide



Notable Movement Patterns of Omilu and White Papio

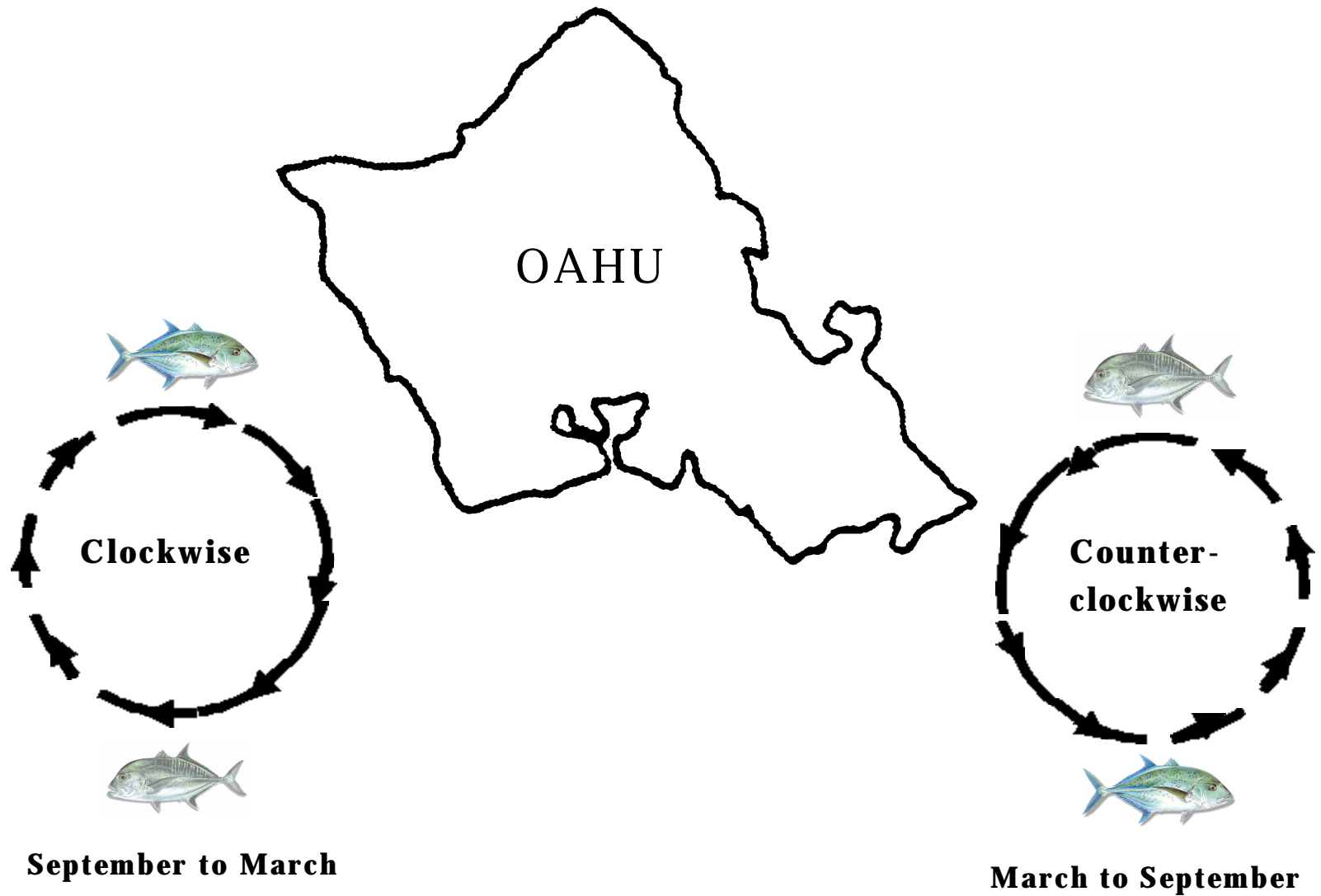


Size Range of Fish Recovered

Omilu - 10.5" to 14" Fork Length

White Papio - 9.5" to 18" Fork Length

General Movement Patterns of Omilu and White Papio on the Island of Oahu



Management Benefits

- Combined tagging efforts of volunteer anglers produces a large volume of tagged fish providing a large amount of data that can be used to assess the ulua and papio resources at minimal cost.
- Project provides common ground for both fishing and scientific communities to work together toward building a better resource for everyone.
- Management decisions are more easily supported/accepted by fishermen. They become part of the process by gathering information and data that they know and trust will impact management decisions that will best support their fishery. It's a win-win situation.

Future Goals

- Increase recruiting effort for more volunteer anglers on all neighbor islands.
- Gather more information on all other species of ulua, papio, and kahala, especially on the neighbor islands to assess the differences, if any, among species composition and distribution.
- Continue to assess the use of recovery data to monitor the conditions of nearshore resources.
- Expand the targeted species as requested by volunteer anglers.
- Expand general support to accommodate increasing public demands for continuous growth of the Ulua Tagging Project.
- As the project continues to grow and larger numbers of fish are being tagged, this opens the door for further research into determining standing stocks, exploitation rates, and spatial distribution of fishing efforts.