



Nevada County 4-H *Marine Biology & Oceanography*Proficiency Program



LEVEL II – PRODUCER

NAME:		
CLUB:		
PROJECT:		

1.	Describe ten ways we can help keep our oceans, beaches, rivers and land as close to natural as
	ossible.
	1
	3
	4
	5.
	6.
	7.
	8.
	9
	10
2.	Explain the importance of estuaries to marine life.
3.	Name and describe four dangerous marine animals and explain why they may be dangerous. 1
	۷
	3
	4
4.	Assemble a beach safety kit.
	Project leader's signature date
5.	Visit an established operation or expert in the field (such as a commercial fishing vessel, cannery, iologist, etc.) and learn what they do and how they do it.
	What I did:
	Project leader's signature date

	r local news media, identify a policy issue rece to another person.	lated to your project and e	xplain its
What I di	d:		
	Project leader's signature	date	
Explain El	Nino and describe how it affects the seafood	l industry.	
	Project leader's signature	date	
Participate What I di	in a project related clean-up activity.		
	Project leader's signature	date	
1	auses of boating accidents and explain how t	•	
4.	-		
5 1. Explain up	owelling and its effect on climate and marine	life.	
		hree different zooplanktor	

1	<u>Zooplankton</u>		
1. 2.			
3			
	e a collage of photographs or dra ay it at a local fair, county 4-H e	wings illustrating man's use of twent or similar public event.	he marine environment and
	Project leader's s	ignature date	
14. Prepa	are one food dish from fresh fish	and one food dish from marine	algae.
Wha	at I did:		
	Project leader's s	ignature date	
1.		hellfish produced by aquaculture	
2. 3.			
3. 4.	-		
5.	-		
		ypes of fishing vessels and three l uses which gear to harvest whi <u>Uses this gear</u>	
2.			
3.			
	ify three types of ropes and five where/how each might be used.	knots used in the industry. Com	pare their relative strengths
1	Types of Ropes	<u>Strengths</u>	<u>Use</u>
1. 2.			
3.			-
	Types of Knots	Strengths	<u>Use</u>
1.			
2.			
3. 4.			
1 . 5			

1		collecting and analyzing their scales.
3.		
19. Collect, press 1 2	and mount three different alga	ne and describe their physical characteristics.
	Project leader's signatu	re date
You	have completed Le	ratulations! vel II of the Marine Biology & Proficiency Program.
Name		Age
Club		
Project		
Project Leader' Date	's Printed Name	Signature
County Coordin	nator's Printed Name	Signature
Date		