Folio: _____

Internal use only

Survey version: _____

Interviewer name:

Date: _____/_____/_____ (DD/MM/YY)

Location: _____

Start time: _____☐ AM / ☐ PM | End time: _____☐ AM / ☐ PM

Identify if the person has been surveyed by us before by showing them the old survey. If they have, skip to Section C:f)

A: Identification

a) Name of the participant's organization:_____

B: Demographics

a) Sex: ☐ Male ☐ Female

b) Age: _____ years

c) Marital status: _____

d) # of people in your household including yourself: _____

e) # of people who depend on you economically: _____

f) Highest level of study: _____

g) Are you originally from here? ☐ SI ☐ NO

h) Including the fishing organization how many other formal or informal organizations do you belong? _____

Income

i) What is your principal source of income?: _____

j) What is your second most important source of income?: _____

k) What is your average monthly income? _____

l) What percent of your income comes from marine resources? _____%

Folio: _____

C: Fishing activity

a) How many years have you been a diver/fisher/collector? _____ years

b) Are you a diver/fisher/collector? Mark all that apply. ☐ Diver ☐ Fisher ☐ Collector

c) How long have you been a member of the fishing syndicate? _____ years

d) What is the most important species that you have fished or extracted in the last 12 months?

_____

i) What is the second most important species?_____

e) What equipment do you or your household possess **(F1)**?

☐ Boat
☐ Air compressor
☐ Diving suit
☐ Fishing net
☐ Espinel
☐ Harpoon
☐ Compressed air canister
☐ Other _____

f) Are you or have you ever been the president or a member of the syndicate's organizing committee? ☐ SI ☐ NO

D: Adaptation

In the last three(five) years (since the 2010 earthquake or the 2008 eruption of Chaiten Volcano)…

e) In general, how has the time you spend fishing/extracting marine resources changed over this period?

☐ Started	☐ Increased	☐ Decreased	☐ Stopped	☐ No change

SPECIES

f) In general, have you changed the principal types of species you extract from the ocean? ☐ SI ☐ NO

Original:	Do you still extract these species? ☐ SI ☐ NO
Changed to:	

g) Did you start extracting any other species in addition? ☐ SI ☐ NO

Added:

h) Why did you switch and/or add other species?

i) What factors made switching and/or adding other species possible?

j) What factors made switching and/or adding other species difficult?

FISHING EQUIPMENT

k) In general, have you changed the principal equipment you use to extract marine resources? ☐ SI ☐ NO

Original:	Do you still use this equipment? ☐ SI ☐ NO
Changed to:	

l) Did you start using any other types of fishing/diving/collecting equipment? ☐ SI ☐ NO

Added:

m) Why did you switch and/or add other types of equipment?

n) What factors made switching and/or adding other types of equipment possible?

o) What factors made switching and/or adding other types of equipment difficult?

INCOME

p) Has your principal source of income changed? ☐ SI ☐ NO

Original:	Is this still currently a source of income? ☐ SI ☐ NO
Changed to:	

q) Did you add any other additional sources of income? ☐ SI ☐ NO

Added:

r) Why did you switch and/or add other sources of income?

s) What factors made switching and/or adding other sources of income possible?

t) What factors made switching and/or adding other sources of income difficult?

OPPORTUNITIES

u) Are there any opportunities (e.g., income, equipment, species, other) that you have seen but have not been able to realize? Please describe them and why you have not been able to realize them:

Opportunities	**What has impeded you from realizing this opportunity?**	**What would you need to realize this opportunity?**
1.		
2.		
3.		

Folio: _____

D: Decision-making game

We are now going to play a game. This is a game we designed to understand how people make decisions when outcomes are uncertain.

There are two types of cards. You will notice that the two types of cards are each marked by a different colour: red and blue. Imagine that red represents red fish and blue represents blue fish that you can catch. There are thirty different red cards and thirty different blue cards. Each card has a value in pesos. In this game we will be asking you to choose a between cards/fish 30 times.

This game has been played by other Chilean artisanal fishers/divers/collectors in Region V. It is important to note that all previous fishers/divers/collectors faced the same choices as you will be facing. It is also very important to note that cards, either red or blue, can be of high or low pay because of luck. However, one of the colours, on average, will pay higher more often. Your objective is to make as much money as possible through your choices. The choices are yours alone; I cannot advise you and I do not know which color is better. **Do you have any questions so far?**

In each of the thirty rounds, I will show you two cards, one from each deck and ask you to choose one. Simply state or point to the card you would like and I will flip over the card to reveal your earnings. To help you discover the higher paying deck, after the third round, I will offer you the opportunity to buy information about what the most successful player chose. For example, once you have chosen in the third round, for 15 pesos I will tell you what the most successful player chose in that round, which will be subtracted from your earnings. You will have the opportunity to buy this type of information in every round after and including the third, but the cost of this information will go up by 15 pesos in every round this information will cost 420 pesos the thirtieth round. You will be paid at the end of the survey once I am able to calculate your winnings. The maximum you can win is $4200 pesos. **Do you have any remaining questions before we begin?**

Round	Red card	Blue card	Round Payoff	Bought information?	
1*	R☐	A☐		N/A	*What colour pays more? ☐ Blue ☐ Red | Certainty? _____%
2	R☐	A☐		N/A	
3	R☐	A☐		☐ 15	
4	R☐	A☐		☐ 30	
5*	R☐	A☐		☐ 45	*What colour pays more? ☐ Blue ☐ Red | Certainty? _____%
6	R☐	A☐		☐ 60	
7	R☐	A☐		☐ 75	
8	R☐	A☐		☐ 90	
9	R☐	A☐		☐ 105	
10*	R☐	A☐		☐ 120	*What colour pays more? ☐ Blue ☐ Red | Certainty? _____%
11	R☐	A☐		☐ 135	
12	R☐	A☐		☐ 150	
13	R☐	A☐		☐ 165	

14	R☐	A☐		☐ 180	
15*	R☐	A☐		☐ 195	*What colour pays more? ☐ Blue ☐ Red | Certainty? _____%
16	R☐	A☐		☐ 210	
17	R☐	A☐		☐ 225	
18	R☐	A☐		☐ 240	
19	R☐	A☐		☐ 255	
20*	R☐	A☐		☐ 270	*What colour pays more? ☐ Blue ☐ Red | Certainty? _____%
21	R☐	A☐		☐ 285	
22	R☐	A☐		☐ 300	
23	R☐	A☐		☐ 315	
24	R☐	A☐		☐ 330	
25*	R☐	A☐		☐ 345	*What colour pays more? ☐ Blue ☐ Red | Certainty? _____%
26	R☐	A☐		☐ 360	
27	R☐	A☐		☐ 375	
28	R☐	A☐		☐ 390	
29	R☐	A☐		☐ 405	
30	R☐	A☐		☐ 420	
Payoff Total – Precio Total =			**PAYOFF TOTAL:**	**PRICE TOTAL:**	

1. What colour do you believe pays more? ☐ Blue ☐ Red | How certain are you? _____%
2. Did the information ever become too expensive? ☐ Si ☐ No
    a. If yes, what is the most you would pay for social information? _____ pesos
3. What was your strategy?

PLEASE DO NOT TALK ABOUT THIS GAME WITH YOUR FELLOW SYNDICATE MEMBERS BECAUSE IT IS VERY IMPORTANT FOR THE RESULTS OF THIS RESEARCH. THANK YOU FOR YOUR COOPERATION.

Folio: _____

E: Ecological knowledge

	TRUE	FALSE
1. The ocean is warming because of climate change	☐	☐
2. There are more fish inside management areas than outside	☐	☐
3. Locos eat barnacles	☐	☐
4. The amount of squid has been going down for the past 10 years	☐	☐
5. Sierra prefer warmer water	☐	☐
6. Merluza spawns in August and September	☐	☐
7. Huiro palo will grow back if it is cut immediately above the holdfast	☐	☐
8. Piure can move on their own	☐	☐
9. Jaibas eat small fish	☐	☐
10. When there are few lapa there is more red algae	☐	☐
11. Linguado live in the soft bottom of the ocean	☐	☐
12. Shrimp is a favourite food of congrio colorado	☐	☐
13. Huiro palo provides habitat for young fish	☐	☐
14. Fish are easier to catch during a full moon	☐	☐
15. The amount of corvina has been going down for the past 10 years	☐	☐
16. Huiro negro does not grow in subtidal areas	☐	☐
17. Red sea urchins do not eat kelp	☐	☐
18. Mariscos and huiro compete for space	☐	☐
19. There are less shellfish inside than outside management areas	☐	☐
20. Vieja live in rocky huecos	☐	☐
21. Artisanal fishers/divers easily affect the abundance of marine resources	☐	☐

F: Occupational attachment

	Strongly disagree	**Disagree**	**Neither agree nor disagree**	**Agree**	**Strongly agree**
a) Working in the ocean (fishing/diving/collecting) is what you love doing the most	☐	☐	☐	☐	☐
b) Being a fisherman/diver/collector is a lifestyle- it is not just your job	☐	☐	☐	☐	☐
c) You would *happily* consider another occupation other than fishing/diving/collecting if the need arose	☐	☐	☐	☐	☐
d) If needed, you are prepared to completely change the way you fish/extract to stay a fisherman/diver/collector	☐	☐	☐	☐	☐

G: Uncertainty

	Strongly disagree	**Disagree**	**Neither agree nor disagree**	**Agree**	**Strongly agree**

a)	To a great extent you feel that life is out of your control	☐	☐	☐	☐	☐
b)	When you get what you want, it is usually because of luck	☐	☐	☐	☐	☐
c)	When you get what you want, it is usually because you worked hard for it	☐	☐	☐	☐	☐
d)	Whether or not you are successful in life depends mostly on your abilities	☐	☐	☐	☐	☐
e)	You feel that what happens in your life is mostly determined by people in powerful positions	☐	☐	☐	☐	☐

H: Risk attitude

a) How do you see yourself? Are you generally a person who is fully prepared/willing to take risks or do you try to avoid taking risks? Please tick a box on the scale, where the value 0 means: "unwilling to take risks" and the value 10 means "fully prepared/willing to take risks"

Unwilling to take risks										Fully willing to take risks
0	1	2	3	4	5	6	7	8	9	10
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

b) How about with your money?

Unwilling to take risks										Fully willing to take risks
0	1	2	3	4	5	6	7	8	9	10
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

I: Perceived opportunities

		Strongly disagree	**Disagree**	**Neither agree nor disagree**	**Agree**	**Strongly agree**
a)	You have many options available to you other than being a fisherman/diver/collector	☐	☐	☐	☐	☐
b)	All changes bring opportunities, they only need to be recognized	☐	☐	☐	☐	☐
c)	If the quality and quantity of marine resources declines, there is little you can do to respond	☐	☐	☐	☐	☐

J: Timeframe

		Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
a)	If the abundance of marine resources declines, you just wait and hope things will change for the best	☐	☐	☐	☐	☐
b)	You do not really believe in long-term planning – things are too uncertain	☐	☐	☐	☐	☐
c)	You do not think ahead and plan for changes that might occur in the quantity and quality of marine resources	☐	☐	☐	☐	☐
d)	In Chile, artisanal fishing will not exist in the future.	☐	☐	☐	☐	☐
e)	You want your children and family to be involved in artisanal fishing and diving.	☐	☐	☐	☐	☐

f) Why do you think there will be or will not be artisanal fishing in the future?

g) How do you think this will affect the quality and quantity of marine resources?

h) Has this affected how you extract marine resources? How?

i) How has the desire or lack of desire for your children and family to be involved in artisanal fishing/diving affected how you fish/extract marine resources?

j) Why do you or do you not want your children and family to be involved in artisanal fishing /diving?