

Attitudes, knowledge and practices affecting the Critically Endangered Mariana crow *Corvus kubaryi* and its conservation on Rota, Mariana Islands

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SUPPLEMENTARY MATERIAL 1 Rota Public Perception Survey

Screening questions

Have you taken this survey before?

Yes --- (*Stop survey*)

No

Do you live on Rota?

Yes

No --- (*Stop survey*)

Are you at least 18 years old?

Yes

No --- (*Stop survey*)

Section 1: Importance and awareness of social/environmental issues

1.1 What are the biggest problems on Rota today? *Open-ended response*

1.2 Other Rota residents have mentioned these problems. Please put these concerns in order from the biggest problem to the smallest problem:

	<u>Rank</u>
Education	_____
Environmental Issues	_____
Government spending/taxes	_____
Illegal immigration	_____
Jobs and unemployment	_____

1.3 Are environmental issues important to you ?

1 ----Not at all

2----A little

3----Somewhat

4----Very much

5----Don't know

1.4 Would you say that the condition of the environment is getting better, getting worse, or staying pretty much the same?

1---Things are getting better

2---Things are getting worse

3---Things are staying pretty much the same

1.5 Do you agree with the laws about the environment on Rota ?

1 ----Not at all

2----A little

3----Somewhat

4----Very much

5----Don't know

0 times
1-5 times

6-10 times
More than 10 times

I'm going to show you some pictures of birds. They might be the same type, or different types of birds. Make your best guess about the name of each bird.

2.13 -2.15 What bird is this?

	Mariana Crow (Aga)	Micronesian Starling (Sali)	Drongo (Sali-Taiwan)	Rota white eye (Nosa Luta)	Don't know
2.13 Picture 1 					
2.14 Picture 2 					
2.15 Picture 3 					

2.16 If the Mariana crow were to become extinct on Rota, how much would it bother you?

1 ----Not at all
2-----A little

3-----Somewhat
4-----Very Much

Section 3: Attitudes and current practices towards Aga

I'm going to read some statements and I would like you to tell me how much you agree with them. These questions are about your personal feelings and opinions.

	Don't agree at all	Agree a little bit	Somewh at agree	Very much agree
3.1 Living on Rota is an important part of my identity.	1	2	3	4
3.2 Having native crows on Rota makes me feel proud to live here.	1	2	3	4

3.3 I feel connected to the land on Rota.	1	2	3	4
3.4 Under some circumstances, it is OK to shoot a crow.	1	2	3	4
3.5 The needs of people always come before the needs of animals.	1	2	3	4
3.6 I would be happy to have a crow nesting on my property.	1	2	3	4
3.7 It's sometimes OK to build without using a permit.	1	2	3	4
3.8 I would be pleased if there were no crows on Rota.	1	2	3	4
3.9 It is OK to chase crows away from my property.	1	2	3	4
3.10 Burning is a good method of clearing land.	1	2	3	4
3.11 People should have the right to do whatever they like on their own property.	1	2	3	4
3.12 People should be able to develop their property even if there are endangered species on their land.	1	2	3	4
3.13 I would apply for a permit before building on my land.	1	2	3	4
3.14 The government is too involved in people's business on Rota.	1	2	3	4
3.15 I know people who shoot crows or chase them off their land.	1	2	3	4
3.16 People should not be allowed to use their land in ways that put animals in danger.	1	2	3	4

3.17 People who cannot develop their land because of endangered species should be paid by the government.	1	2	3	4
3.18 The next question has to do with how you think <u>other people</u> on Rota feel. Most people on Rota think that the crows are a bother.	1	2	3	4

Section 4: Attitudes towards possible incentive programs

4.1 Do you own land?

1 - Yes --- *(Continue to 4.2)*

2 - No ---- *(Skip to 4.8)*

4.2 *(If YES on 4.1)* What type of land do you own?

1 – Forest

2 – Farmland

3 – Residential (House)

4 – Business

5 – Other

4.3 Have you ever seen crows on your land?

1----Yes

2----No

3----Don't Know

4.4 Do you ever feel limited in how you can use your land because of crows?

1 – Yes --- *Continue to 4.5*

2 – No --- *Skip to 4.6*

3 – Don't Know

4.5 *(If YES on 4.4)* In what ways? *Open-ended response*

4.6 Do you think this costs you money?

1 – Yes --- *Continue to 4.7*

2 – No --- *Skip to 4.14*

3 – Don't Know

4.7 *(If YES on 4.6)* About how much do you think this costs you every year? *Open ended response. Skip to 4.14.*

4.8 *(If NO on 4.1)* Do your friends or family own land?

1 – Yes --- *Continue to 4.9*

2 – No --- *Skip to 4.14*

3 – Don't Know

4.9 *(If YES on 4.8)* Have they ever seen crows on their land?

1 – Yes

2 – No

3 – Don't Know

4.10 Do your friends and family ever feel limited in how they can use your land because of crows?

1 – Yes --- *Continue to 4.11*

2 – No --- *Skip to 4.12*

3 – Don't Know

4.11 (IF YES on 4.10) In what ways? *Open-ended response*

4.12 Do you think this costs your friends and family money?

1 – Yes --- *Continue to 4.13*

3 – Don't Know

2 – No --- *Skip to 4.14*

4.13 (IF YES on 4.12) About how much do you think this costs your friends and family every year? *Open-ended response*

4.14 Could the government do something to make this situation feel more fair to you?

1 – Yes --- *Continue to 4.15*

3 – Don't Know

2 – No --- *Skip to Section 5*

4.15 (IF YES on 4.9) What could the government do that would make this situation feel more fair to you? *Open-ended response*

(ONLY READ QUESTIONS 4.11 to 4.15 if YES or DON'T KNOW on 4.9) I'm going to ask you about some things the government is considering giving to people who protect crows, called incentives. For each incentive, please tell me if you think that it would be "Not at all fair", "A little bit fair", "Somewhat fair", or "Very fair". Also, let me know if you have any comments about a suggestion.

	Not at all	A little bit	Somewhat	Very much
4.16 If people with crows on their land were to be given free fencing to protect their land or livestock, would that be fair?	1	2	3	4
4.17 If people with crows on their land were to be given other land somewhere else on the island, would that be fair?	1	2	3	4
4.18 If people with crows on their land were to be paid money would that be fair?	1	2	3	4

Additional comments:

4.19 How much do you think people should be paid each year for protecting crows on their land? *Open-ended response*

4.20 These are the three incentives we've talked about for protecting crows. Will you put them in order from the one you would MOST want to receive to the one you would least like to receive

Rank

Money _____
Land _____
Fencing _____

Section 5: Demographic information

5.1 How old are you?

5.2 Gender:

Male

Female

5.3 What is your ethnicity?

Chamorro

Filipino

Carolinian

Korean

Yapese

Kosraen

Chuukese

Palauan

Chinese

Japanese

Caucasian

Other _____

5.4 How many years have you lived on Rota?

5.5 How many adults, including yourself, live in your household

5.6 Who makes the decisions in your house?

5.7 How many children live in your household?

5.8 What is your highest level of education?

No formal education

Some grade school

Completed grade school

Some high school

Completed high school

Technical training

Some college/two year degree

Completed college

Some graduate work

An advanced degree

Other

Did not answer

5.9 What is your annual household income, approximately? This is the income you make plus the income of any other adults living in your house.

Less than \$10,000

\$10,000-19,000

\$20,000-29,000

\$30,000-39,000

\$40,000-49,000

More than \$50,000

Did not answer

5. 10 That's all of the questions I have. Do you have any questions for me or any other comments you would like me to write down?