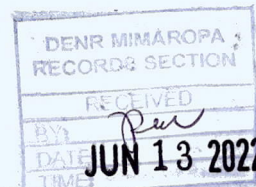




Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE
Mamburao, Occidental Mindoro



JUN 06 2022

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 L&S Bldg, Roxas, Blvd.,
Ermita, Manila

THRU : The ARD for Technical Services

FROM : The OIC, PENR Officer

SUBJECT : **ACCOMPLISHMENT REPORT FOR THE CONDUCT OF COMMUNITY CONSULTATION THRU KEY INFORMANT INTERVIEW IN THE MUNICIPALITIES OF PUERTO GALERA AND CALAPAN, ORIENTAL MINDORO FOR TAMARAW META-POPULATION RESEARCH OF TAMARAW IN MINDORO**

Forwarded is the memorandum dated May 26, 2022 of TCP Coordinator regarding Accomplishment Report for the conduct of Community Consultation thru Key Informant Interview in the Municipalities of Puerto Galera and Calapan, Oriental Mindoro for Tamaraw Meta-Population Research of Tamaraw in Mindoro.

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Attached herewith are the detailed accomplishment report, Annex A Questionnaire of Key Informant Interview (KII) and pictures taken during the said activity.

For your information and record.


ERNESTO E. TAÑADA



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE
TAMARAW CONSERVATION PROGRAM

May 26, 2022

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Mamburao, Occidental Mindoro

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NEIL ANTHONY DEL MUNDO

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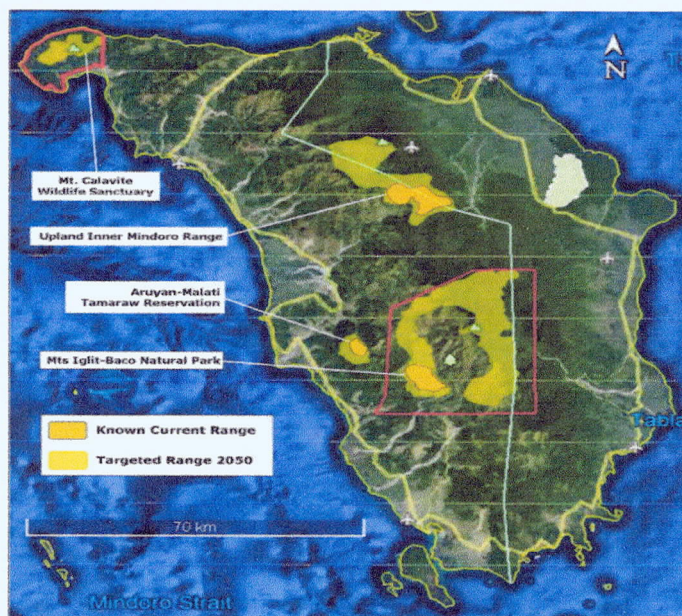


Figure 1. Known Tamaraw Habitats

Below is the summary of population estimates in known tamaraw habitats in Mindoro. It can be noted that the bulk of the population of said animals are in MIBNP but a significant number can also be found in Upper Amnay- Inner Upper Mindoro Range. This research also aims to conduct population census in Upper Amnay area.



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Site	Year of population estimate		
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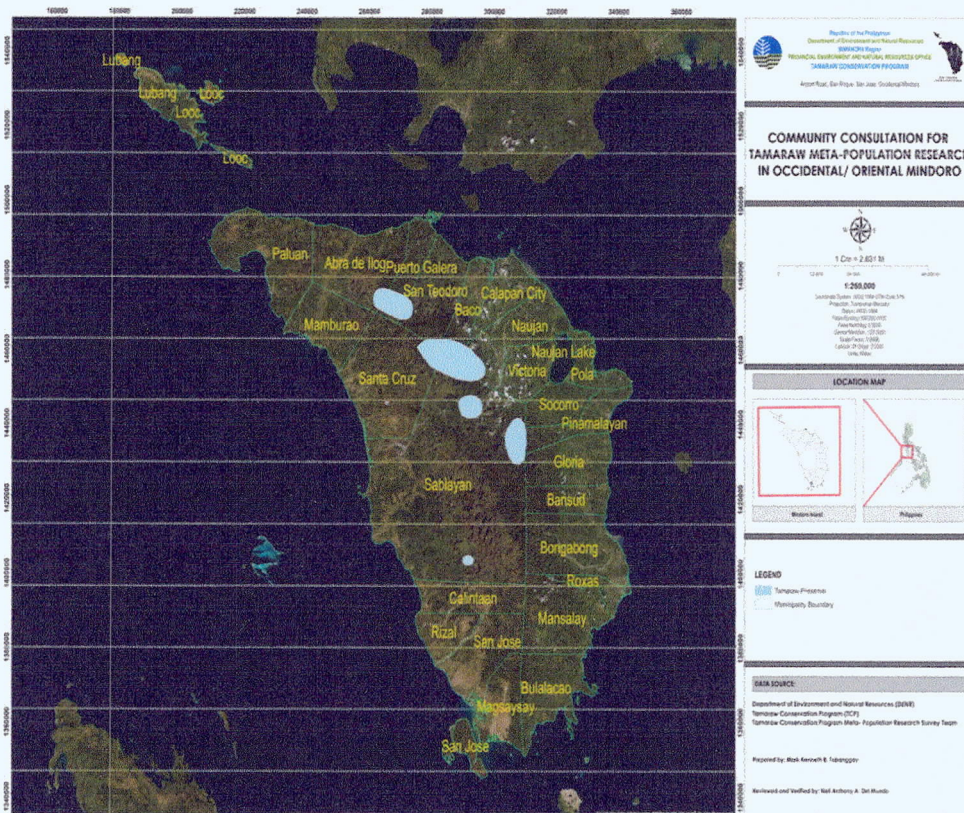


Figure 1. Map of likely tamaraw habitat based on the conducted KII as of March 2022

Prior to data gathering, communication letter to office of the Municipal Mayors of respective municipalities and to the concerned Barangay Officials was prepared and sent. After securing permission of the officials, the Meta – Population Survey Team conducted the data collection using key informant interview from March 6-8, 2022.

A questionnaire was prepared for gathering and capture of data and aimed in creating demographic and socio economic profile, assess respondent's knowledge on Tamaraw and ecology and general understanding of Tamaraw and its habitat, and assess awareness on pressing issues and or problems in conservation of tamaraws. Survey team filled up the prepared questionnaire (attached, Annex A) based on the responses of the respondents. Data gathered were organized, classified, and analyzed. Further data analysis will be concluded to assess respondents' profile and its importance in tamaraw conservation management.

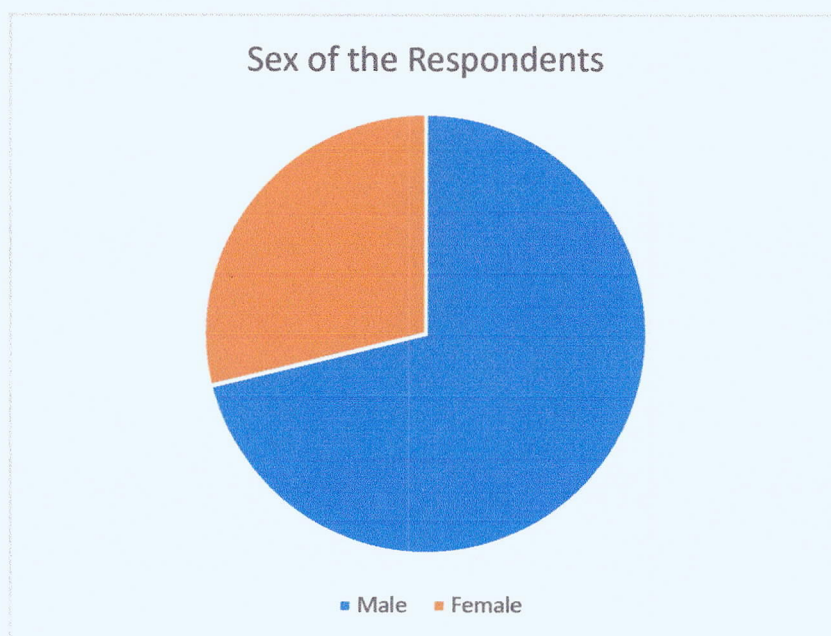


COMMUNITY CONSULTATION RESPONDENTS' PROFILE

DEMOGRAPHICS

Age Group	Bulalacao	Mansalay	Total
20 - 24	0	2	2
25 - 29	4	0	4
30 - 34	8	0	8
35 - 39	5	7	12
40 - 44	5	6	11
45 - 49	5	5	10
50 - 54	2	4	6
55 - 59	0	4	4
60 - 64	0	0	0
65 - 69	0	1	1
70 - Above	1	0	1
Total	30	29	59

Most of the respondents are relatively young, 44% were belong to ages 21-39 of the total respondents.

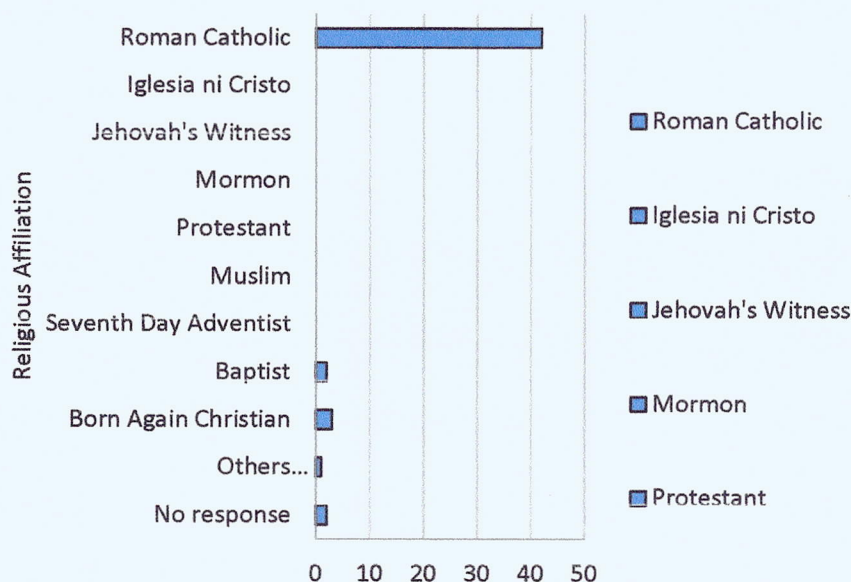


Majority of the respondent are male comprising of 79% of the total respondents.

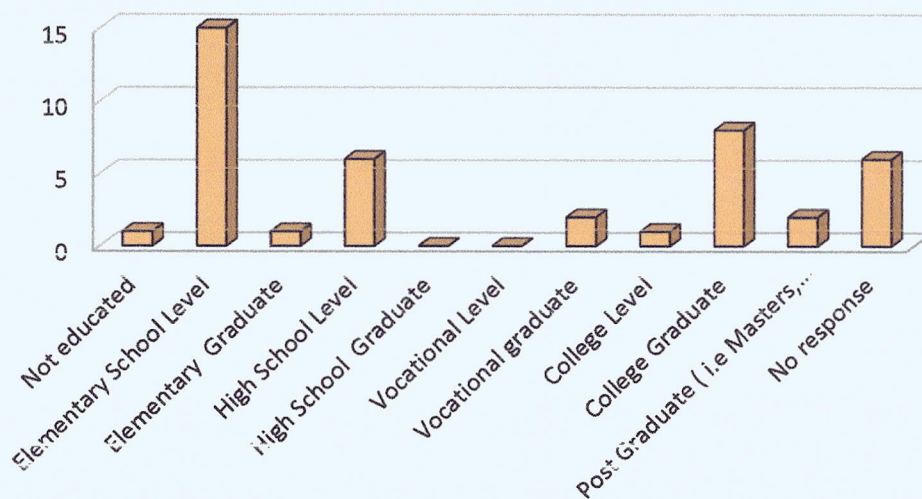


All the respondents
 are in Christian
 religious sector,
 mostly are Roman
 Catholic with 84%,
 followed by Born
 Again Christian
 with 6% of
 surveyed
 individuals

Respondent's Religious Affiliation



Educational Attainment

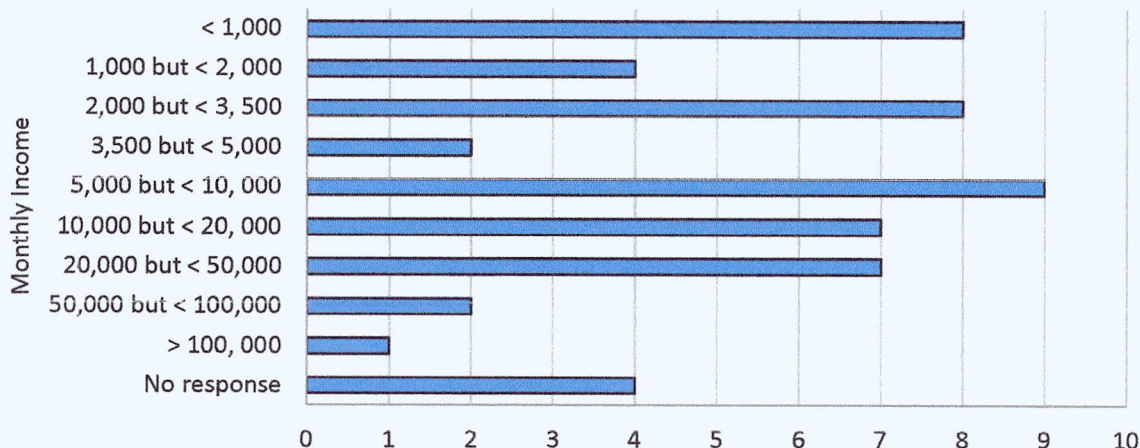


Most of the respondents have some level of education, 35% were in elementary school as highest level of educational attainment, and 19% were college graduate mostly public-school teachers and government employee.



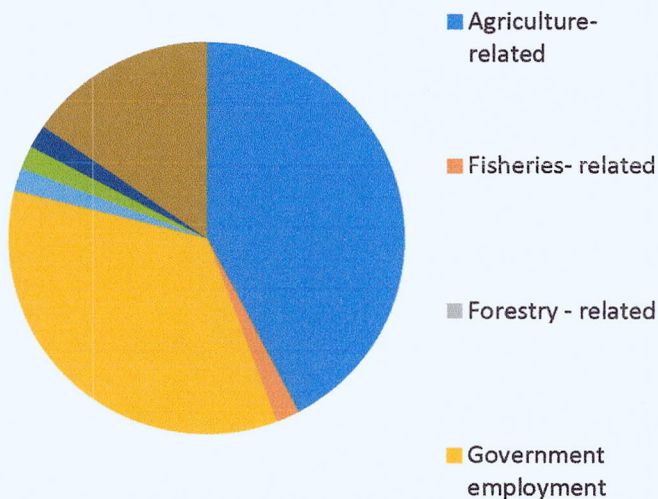
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Monthly Income



58% of the respondent had 1,000 to not more than 10,000 of monthly income mostly IP's relying in agriculture.

Income sources

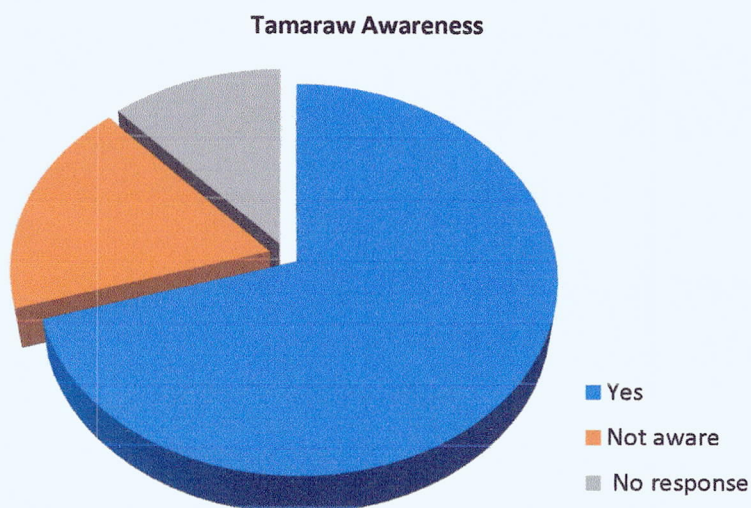


Most of the income source of the respondents are agriculture-related, which are mainly producing crops such as palay, root crops, and *kopra*, etc. Some of the respondents are government employee, including public elementary teachers, and government officials.



Gauge of level of Awareness of Respondents about Tamaraws and its Conservation

Respondents from two barangay in Oriental Mindoro that conducted Key Informant Interview, 40% said that the tamaraw resemble carabao.



70% of the respondent were aware of the tamaraw, and the possible habitation of the species.

Result of Community Consultation

Municipality (Oriental Mindoro)	Key Informants (Mangyan Group/Respondents)	Result
Bulalacao	IP (Hanunuo group of Mangyan)	Negative presence in Bulalacao. However, aware of tamaraw in MIBNP
Mansalay	IP (Hanunuo group of Mangyan)	Negative presence, but aware of tamaraw presence in corners of MIBNP adjacent to Barangay Panaytayan, Mansalay



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TAMARAW CONSERVATION PROGRAM

Prepared by:

ALVIN N. TABUGA
Technical Staff

Reviewed and Edited by:

NEIL ANTHONY DEL MUNDO
Coordinator



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Department of Environment and Natural Resources
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PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE
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Annex A

Questionnaire in Key Informant Interview

Pagsusuri ng Kaalaman at Pagkaunawa ng mga Komunidad na Napapaloob sa
Posibleng Tirahan ng mga TAMARAW para sa Research on the Meta-Population of Tamaraw in Mindoro

Questionnaire Form Number: _____	Respondent Cluster: _____
Geo-tag ID: _____	
Lugar ng Proyekto:	

_____ (Barangay/Sitio)	(Munisipyo)
_____ (Probinsya)	
_____ (Pangalan ng nagsurvey)	(Petsa)
_____ (Oras na nagsimula)	(Oras na natapos)
PAGPAPATUNAY (Susulatan lamang matapos magawa ang pagsusurvey)	
Ako ay nagpapatunay na ang mga datos na nakalap sa talatanungan ay ginawa ko ng personal at naaayon sa mga panuntunang ibinigay.	

Ang Meta-Population Survey Evaluation Team ay sinisigurado na ang ano mang impormasyon na kalakip ng talatanungan ay mananatiling pribado.

BLOCK I Impormasyong Sosyo-Demograpiko at Pangkabuhayan
--

1. Pangalan ng Tumugon: _____

1.1. ☐ Tsekan Kung Punong Sambahayan

2. Edad (ayon sa huling kaarawan): _____

☐ Tsekan kung katutubo

3. Kasarian: _____

4. Taon ng Paninirahan: _____

4.1. Lugar na Pinagmulan (kung ang paninirahan ay hindi hihigit sa limang taon): _____

5. Relihiyon: _____

6. Katayuang Sibil: _____

7. Pangalan ng tribo _____

8. Pangalan ng Punong Tribo _____

9. Pinakamataas na Antas ng Pag-aaral: _____



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Pangalan ng Ibang Kasapi ng Sambahayan ¹	E	K	KS	PAP	RT	PPK	BK (PhP)

E – edad; K – kasarian; KS – katayuan sibil; PAP – pinakamataas na antas ng pag-aaral; RT – relasyon sa tagatugon; PPK – pangunahing paingakukunan ng kita; BK – buwanang kita

9. Buwanang Kita (PhP): _____
10. Pinagkukunan ng Kita: a) Pangunahin _____ b) Ikalawa _____ 3) Ikatlo _____
11. Pamanahon ng Kita: a) Pangunahin _____ b) Ikalawa _____ 3) Ikatlo _____
12. Pagkakasapi sa mga Samahan (gumamit ng ibang papel kung kinakailangan)

Pangalan ng Samahan	Posisyon	Tagal ng Pagiging Kasapi

BLOCK II
Kaalaman, Kahalagahan, Ginagampanan, at Katangian ng
Sistemang Ekolohikal ng Tamaraw

13. Kaalaman sa TAMARAW
- 13.1. Alam mo ba ang TAMARAW? _____
- 13.2. Kung oo, ano sa palagay mo ang TAMARAW? _____
- 13.3. Kung hindi, ano ang kabuuang pagkakaunawa mo sa TAMARAW? _____
- 13.4. Kung alam, Saan lugar nakakita ng Tamaraw? _____
- 13.5. Ilan ang Nakitang Tamaraw? _____
- 13.6. Anung Klase ang Tirahan ng Tamaraw? _____
- 13.7. Kung nalilingat, ano/anu-ano sa inyong palagay ang paraan/mga paraan upang maunawaan ang TAMARAW? _____
- 13.8. Ano sa iyong palagay ang pinakaangkop na dalas ng mga gawaing magpapalinaw sa inyong pag-unawa ng TAMARAW? _____
14. Kahalagahan at Ginagampanan ng Sistemang Ekolohikal ng Tamaraw
- 14.1. Sa iyong palagay, mahalaga ba ang mga sistemang ekolohikal sa TAMARAW? _____
- 14.2. Kung oo, ano sa iyong palagay ang kahalagahan o ginagampanan ng mga sistemang ekolohikal sa mga TAMARAW? _____
- 14.3. Kung hindi, sa paanong paraan nyo nakikita ang kahalagahan ng mga sistemang ekolohikal sa mga TAMARAW? _____
- 14.4. Kung hindi alam, ano sa iyong palagay ang/ang mga pinakaangkop na paraan/pamamaraan upang mapamalay ang kahalagahan at ginagampanan ng mga sistemang ekolohikal sa mga TAMARAW? _____
- 14.5. Ano sa iyong palagay ang pinakaangkop na dalas ng mga gawaing magpapalinaw sa inyong pag-unawa ng kahalagahan at ginagampanan ng mga sistemang ito? _____
15. Mga Katangian ng mga Sistemang Ekolohikal sa mga TAMARAW? _____
- 15.1. Sa iyong pamamaraan, paano mailalarawan ang mga TAMARAW sa inyong lugar? _____



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- 15.2. Sa iyong palagay, ang mga katangian bang ito ay nakakaapekto sa kahalagahan o ginagampanan ng mga sistemang ekolohikal sa mga TAMARAW? _____
- 15.3. Kung oo, sa paanong paraan ito/ang mga ito nakakaapekto sa kahalagahan at ginagampanan ng mga sistemang ito?
16. Sa paanong paraan mahalaga ang mga TAMARAW? _____
17. Sa komunidad na ito, ano/anu-ano sa inyong palagay ang mga nakikitang banta, kung mayroon, sa mga TAMARAW? _____
18. Kung maipropoklama bilang isang pinangangalagaan lugar, ano/anu-ano sa inyong palagay ang maaaring banta nito, kung mayroon, sa mga komunidad na malapit o napapaloob sa tirahan ng mga TAMARAW? _____

BLOCK III
Suliranin, Banta, Problema, at Pagkabahala sa mga
Sistemang Ekolohikal ng Tamaraw

19. Sa iyong palagay, ano/anu-ano ang pangunahing pinagmumulan ng suliranin/problema sa mga TAMARAW? _____
20. Sa iyong palagay, ano/anu-ano ang/ang mga pangunahing dahilan na nagbabanta sa pag-iral at pagtutuloy-tuloy ng mga sistemang ekolohikal sa mga TAMARAW? _____
21. Sa iyong palagay, ano/anu-ano ang mga hakbang na maaaring gawin upang matugunan ang mga suliranin/problema sa mga sistemang ekolohikal sa mga TAMARAW? _____
22. Sa iyong palagay, ano/anu-ano ang/ang mga hakbang upang mabawasan ang mga epekto ng mga banta sa mga sistemang ito? _____

BLOCK IV
Sosyo-Kultural at Pangkabuhayang Kamukhaan

23. Mayroon bang mga komunidad na nakapaloob o malapit sa tirahan ng mga TAMARAW? _____
24. Ang mga komunidad bang ito ay miyembro ng katutubong pangkat? _____
25. Ano/Anu-ano ang mga kabuhayan ng mga komunidad na ito?

LAGDA NG TUMUGON SA TALATANUNGAN

THUMBMARK (kanan)



Appendices

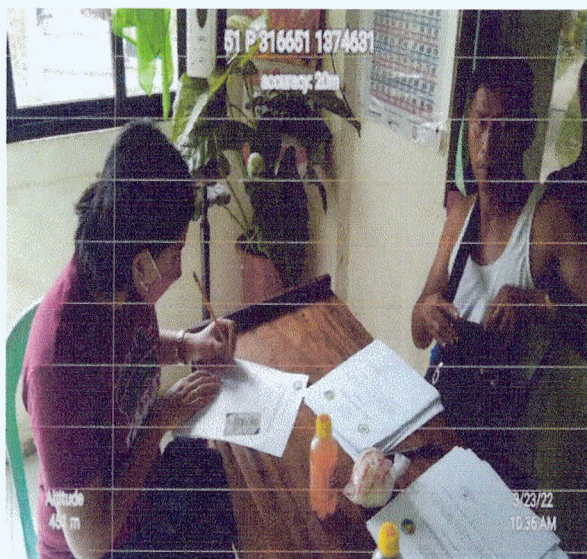


Figure 1. TCP staff conducting KII in IP member in. Barangay Benli, Bulalacao, Oriental Mindoro I.



Figure 2. TCP ranger conducting KII in a community Barangay Benli, Bulalacao, Oriental Mindoro.



Figure 3. TCP ranger facilitating KII in Barangay Benli, Bulalacao, Oriental Mindoro



Figure 4. TCP ranger conducting KII in IPs in barangay Tabinay, Puerto Galera, Or. Mindoro



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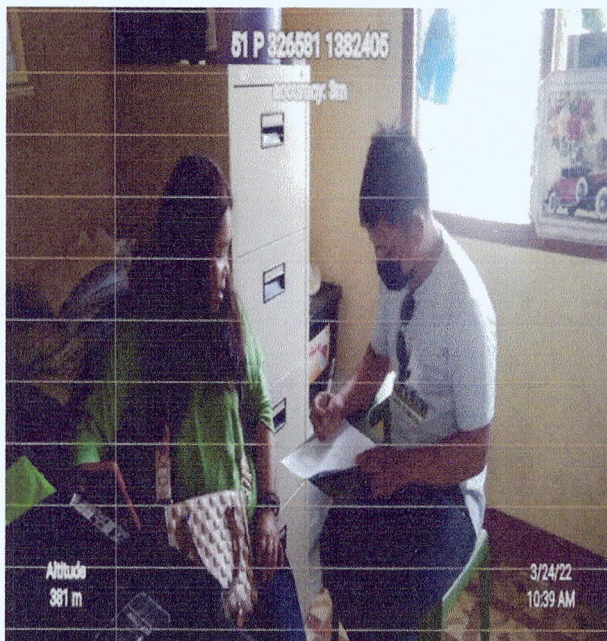


Figure 5. KII conducted in Panaytayan, Mansalay, Oriental Mindoro



Figure 6. KII conducted in Panaytayan, Mansalay, Oriental Mindoro

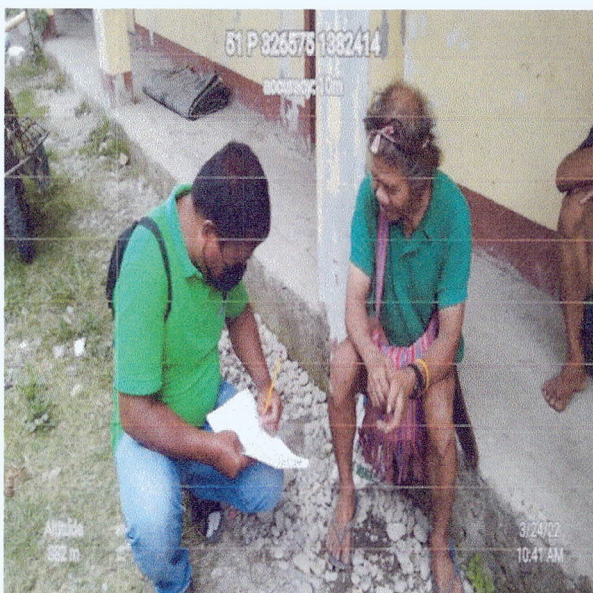


Figure 7. KII conducted in IP member of Hanunuo Panaytayan, Mansalay, Oriental Mindoro.



Figure 8. KII conducted in Panaytayan, Mansalay, Oriental Mindoro.



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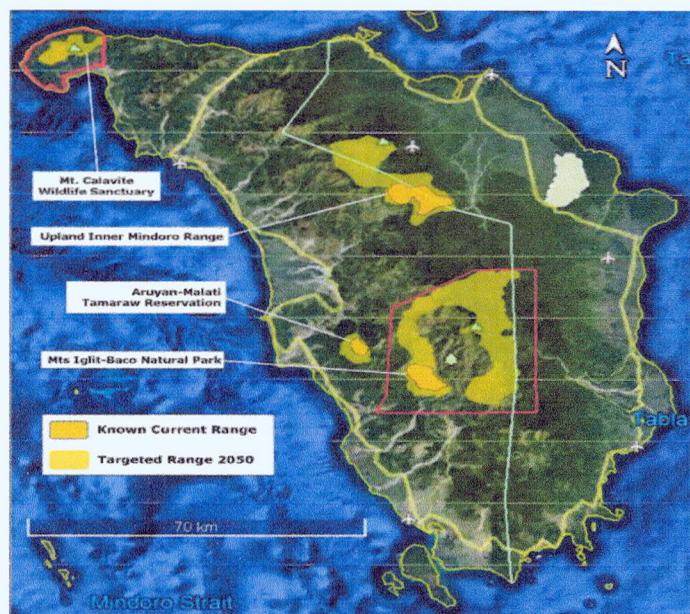


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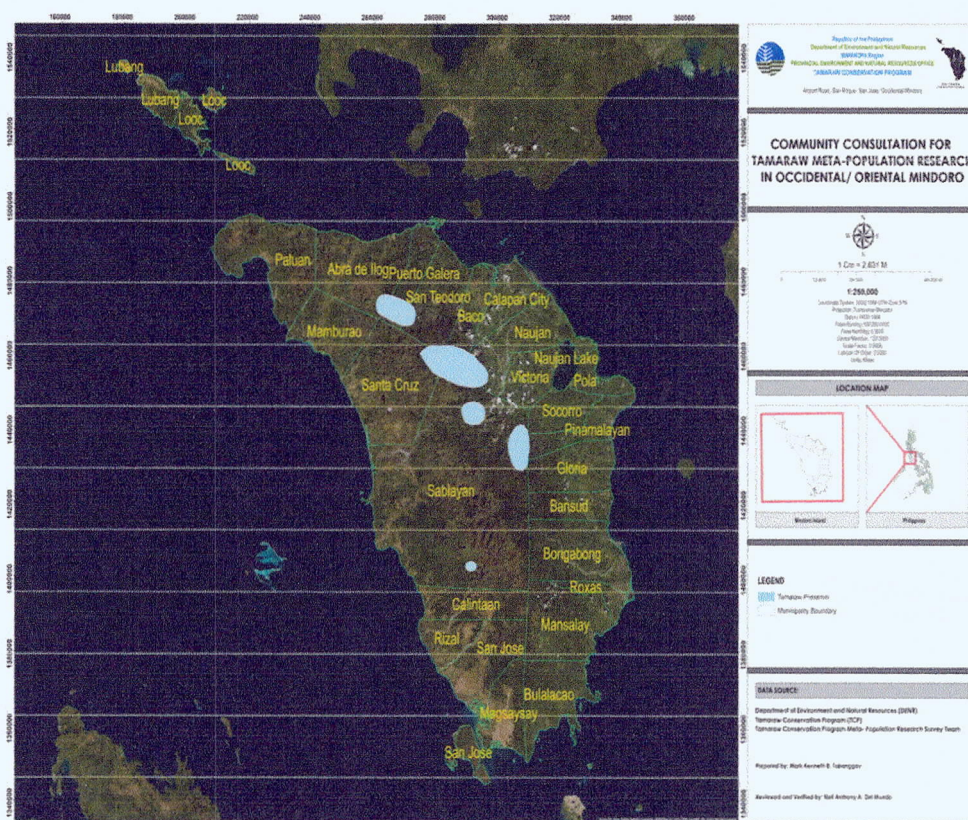


Figure 1. Map of likely tamaraw habitat based on the conducted KII as of March 2022

Prior to data gathering, communication letter to office of the Municipal Mayors of respective municipalities and to the concerned Barangay Officials was prepared and sent. After securing permission of the officials, the Meta – Population Survey Team conducted the data collection using key informant interview from March 6-8, 2022.

A questionnaire was prepared for gathering and capture of data and aimed in creating demographic and socio economic profile, assess respondent's knowledge on Tamaraw and ecology and general understanding of Tamaraw and its habitat, and assess awareness on pressing issues and or problems in conservation of tamaraws. Survey team filled up the prepared questionnaire (attached, Annex A) based on the responses of the respondents. Data gathered were organized, classified, and analyzed. Further data analysis will be concluded to assess respondents' profile and its importance in tamaraw conservation management.

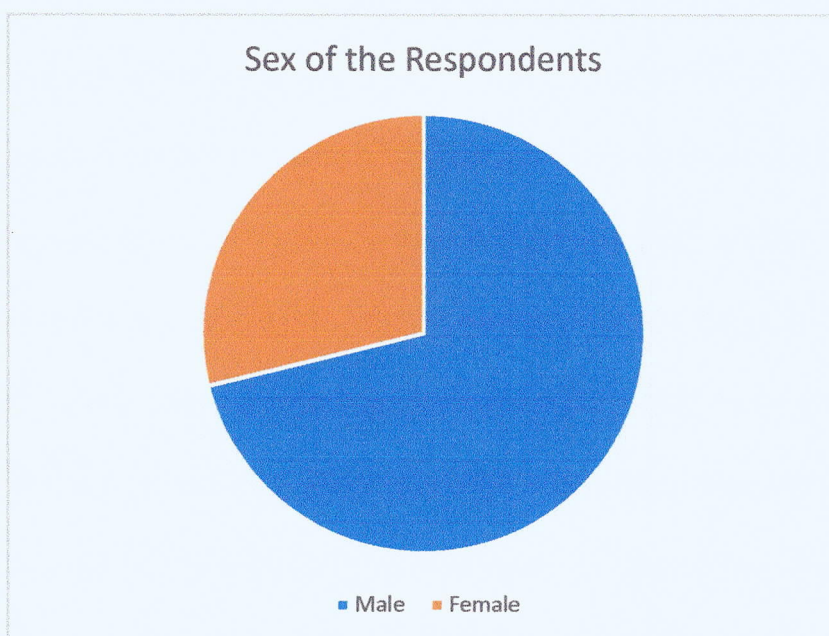


COMMUNITY CONSULTATION RESPONDENTS' PROFILE

DEMOGRAPHICS

Age Group	Bulalacao	Mansalay	Total
20 - 24	0	2	2
25 - 29	4	0	4
30 - 34	8	0	8
35 - 39	5	7	12
40 - 44	5	6	11
45 - 49	5	5	10
50 - 54	2	4	6
55 - 59	0	4	4
60 - 64	0	0	0
65 - 69	0	1	1
70 - Above	1	0	1
Total	30	29	59

Most of the respondents are relatively young, 44% were belong to ages 21-39 of the total respondents.

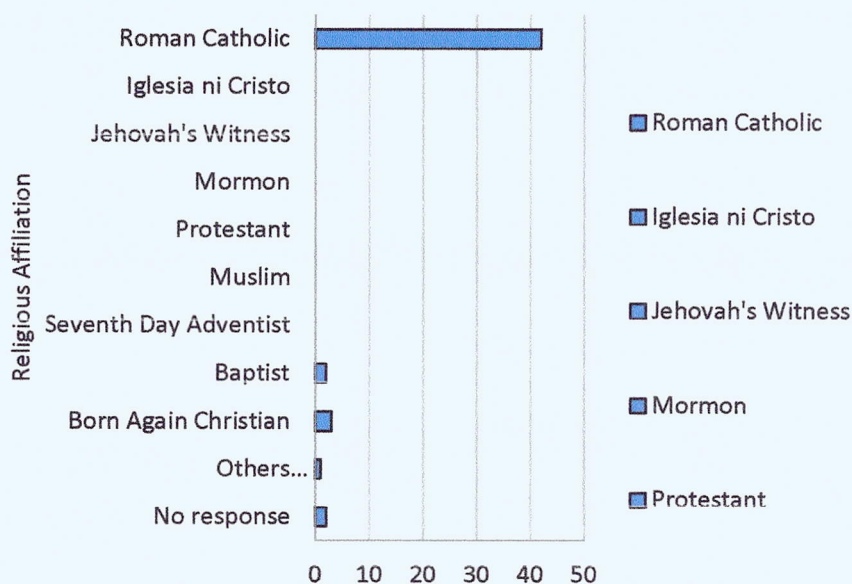


Majority of the respondent are male comprising of 79% of the total respondents.

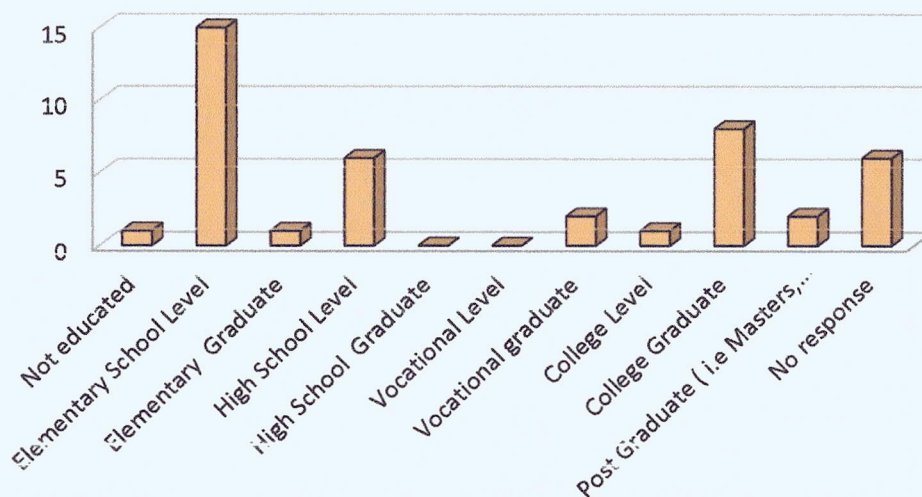


All the respondents are in Christian religious sector, mostly are Roman Catholic with 84%, followed by Born Again Christian with 6% of surveyed individuals

Respondent's Religious Affiliation



Educational Attainment

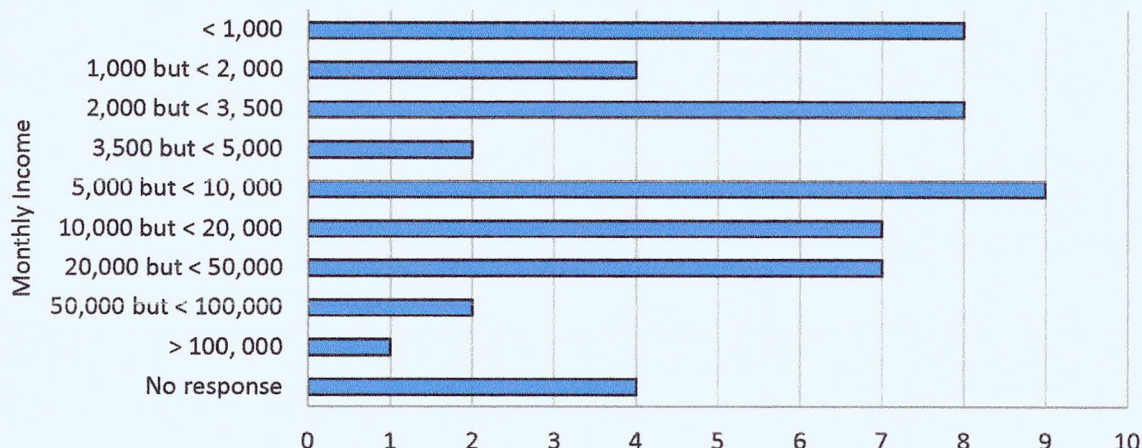


Most of the respondents have some level of education, 35% were in elementary school as highest level of educational attainment, and 19% were college graduate mostly public-school teachers and government employee.



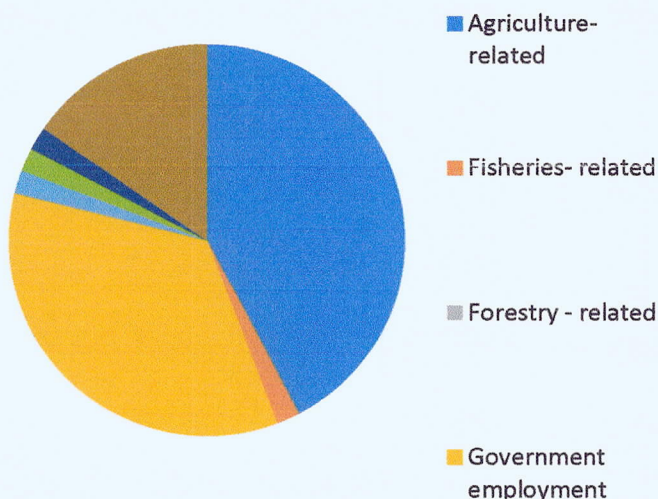
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Monthly Income



58% of the respondent had 1,000 to not more than 10,000 of monthly income mostly IP's relying in agriculture.

Income sources



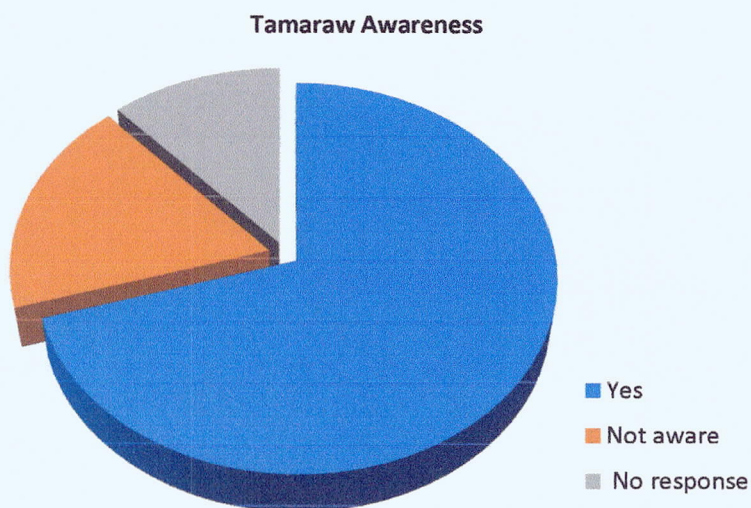
Most of the income source of the respondents are agriculture-related, which are mainly producing crops such as palay, root crops, and *kopra*, etc. Some of the respondents are government employee, including public elementary teachers, and government officials.



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Gauge of level of Awareness of Respondents about Tamaraws and its Conservation

Respondents from two barangay in Oriental Mindoro that conducted Key Informant Interview, 40% said that the tamaraw resemble carabao.



70% of the respondent were aware of the tamaraw, and the possible habitation of the species.

Result of Community Consultation

Municipality (Oriental Mindoro)	Key Informants (Mangyan Group/Respondents)	Result
Bulalacao	IP (Hanunuo group of Mangyan)	Negative presence in Bulalacao. However, aware of tamaraw in MIBNP
Mansalay	IP (Hanunuo group of Mangyan)	Negative presence, but aware of tamaraw presence in corners of MIBNP adjacent to Barangay Panaytayan, Mansalay



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Annex A

Questionnaire in Key Informant Interview

Pagsusuri ng Kaalaman at Pagkaunawa ng mga Komunidad na Napapaloob sa
Posibieng Tirahan ng mga TAMARAW para sa Research on the Meta-Population of Tamaraw in Mindoro

Questionnaire Form Number: _____	Respondent Cluster: _____
Geo-tag ID: _____	
Lugar ng Proyekto:	

_____ (Barangay/Sitio)	(Munisipyo)
_____ (Probinsya)	
_____ (Pangalan ng nagsurvey)	(Petsa)
_____ (Oras na nagsimula)	(Oras na natapos)
PAGPAPATINAY (Susulatan lamang matapos magawa ang pagsusurvey)	
Ako ay nagpapatunay na ang mga datos na nakalap sa talatanungan ay ginawa ko ng personal at naaayon sa mga panuntunang ibinigay.	

Ang Meta-Population Survey Evaluation Team ay sinisigurado na ang ano mang impormasyon na kalakip ng talatanungan ay mananatiliing pribado.

BLOCK I Impormasyong Sosyo-Demograpiko at Pangkabuhayan
--

1. Pangalan ng Tumugon: _____

1.1. ☐ Tsekan Kung Punong Sambahayan

2. Edad (ayon sa huling kaarawan): _____

☐ Tsekan kung katutubo

3. Kasarian: _____

4. Taon ng Paninirahan: _____

4.1. Lugar na Pinagmulan (kung ang paninirahan ay hindi hihigit sa limang taon): _____

5. Relihiyon: _____

6. Katayuang Sibil: _____

7. Pangalan ng tribo _____

8. Pangalan ng Punong Tribo _____

9. Pinakamataas na Antas ng Pag-aaral: _____



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Pangalan ng Ibang Kasapi ng Sambahayan ¹	E	K	KS	PAP	RT	PPK	BK (PhP)

E – edad; K – kasarian; KS – katayuan sibil; PAP – pinakamataas na antas ng pag-aaral; RT – relasyon sa tagatugon; PPK – pangunahing paingakukunan ng kita; BK – buwanang kita

9. Buwanang Kita (PhP): _____

10. Pinagkukunan ng Kita: a) Pangunahin _____ b) Ikalawa _____ 3) Ikatlo _____

11. Pamanahon ng Kita: a) Pangunahin _____ b) Ikalawa _____ 3) Ikatlo _____

12. Pagkakasapi sa mga Samahan (*gumamit ng ibang papel kung kinakailangan*)

Pangalan ng Samahan	Posisyon	Tagal ng Pagiging Kasapi

BLOCK II
Kaalaman, Kahalagahan, Ginagampanan, at Katangian ng
Sistemang Ekolohikal ng Tamaraw

13. Kaalaman sa TAMARAW

13.1. Alam mo ba ang TAMARAW? _____

13.2. Kung oo, ano sa palagay mo ang TAMARAW? _____

13.3. Kung hindi, ano ang kabuuang pagkakaunawa mo sa TAMARAW? _____

13.4. Kung alam, Saan lugar nakakita ng Tamaraw? _____

13.5. Ilan ang Nakitang Tamaraw? _____

13.6. Anung Klase ang Tirahan ng Tamaraw? _____

13.7. Kung nalilingat, ano/anu-ano sa inyong palagay ang paraan/mga paraan upang maunawaan ang TAMARAW? _____

13.8. Ano sa iyong palagay ang pinakaangkop na dalas ng mga gawaing magpapalinaw sa inyong pag-unawa ng TAMARAW? _____

14. Kahalagahan at Ginagampanan ng Sistemang Ekolohikal ng Tamaraw

14.1. Sa iyong palagay, mahalaga ba ang mga sistemang ekolohikal sa TAMARAW? _____

14.2. Kung oo, ano sa iyong palagay ang kahalagahan o ginagampanan ng mga sistemang ekolohikal sa mga TAMARAW? _____

14.3. Kung hindi, sa paanong paraan nyo nakikita ang kahalagahan ng mga sistemang ekolohikal sa mga TAMARAW? _____

14.4. Kung hindi alam, ano sa iyong palagay ang/ang mga pinakaangkop na paraan/pamamaraan upang mapamalay ang kahalagahan at ginagampanan ng mga sistemang ekolohikal sa mga TAMARAW? _____

14.5. Ano sa iyong palagay ang pinakaangkop na dalas ng mga gawaing magpapalinaw sa inyong pag-unawa ng kahalagahan at ginagampanan ng mga sistemang ito? _____

15. Mga Katangian ng mga Sistemang Ekolohikal sa mga TAMARAW? _____

15.1. Sa iyong pamamaraan, paano mailalarawan ang mga TAMARAW sa inyong lugar? _____



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- 15.2. Sa iyong palagay, ang mga katangian bang ito ay nakakaapekto sa kahalagahan o ginagampanan ng mga sistemang ekolohikal sa mga TAMARAW? _____
- 15.3. Kung oo, sa paanong paraan ito/ang mga ito nakakaapekto sa kahalagahan at ginagampanan ng mga sistemang ito?
16. Sa paanong paraan mahalaga ang mga TAMARAW? _____
17. Sa komunidad na ito, ano/anu-ano sa inyong palagay ang mga nakikitang banta, kung mayroon, sa mga TAMARAW? _____
18. Kung maipropklama bilang isang pinangangalagaan lugar, ano/anu-ano sa inyong palagay ang maaaring banta nito, kung mayroon, sa mga komunidad na malapit o napapaloob sa tirahan ng mga TAMARAW? _____

BLOCK III

Suliranin, Banta, Problema, at Pagkabahala sa mga Sistemang Ekolohikal ng Tamaraw

19. Sa iyong palagay, ano/anu-ano ang pangunahing pinagmumulan ng suliranin/problema sa mga TAMARAW? _____
20. Sa iyong palagay, ano/anu-ano ang/ang mga pangunahing dahilan na nagbabanta sa pag-iral at pagtutuloy-tuloy ng mga sistemang ekolohikal sa mga TAMARAW?
21. Sa iyong palagay, ano/anu-ano ang mga hakbang na maaaring gawin upang matugunan ang mga suliranin/problema sa mga sistemang ekolohikal sa mga TAMARAW? _____
22. Sa iyong palagay, ano/anu-ano ang/ang mga hakbang upang mabawasan ang mga epekto ng mga banta sa mga sistemang ito? _____

BLOCK IV

Sosyo-Kultural at Pangkabuhayang Kamukhaan

23. Mayroon bang mga komunidad na nakapaloob o malapit sa tirahan ng mga TAMARAW? _____
24. Ang mga komunidad bang ito ay miyembro ng katutubong pangkat? _____
25. Ano/Anu-ano ang mga kabuhayan ng mga komunidad na ito?

LAGDA NG TUMUGON SA TALATANUNGAN

THUMBMARK (kanan)



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Appendices

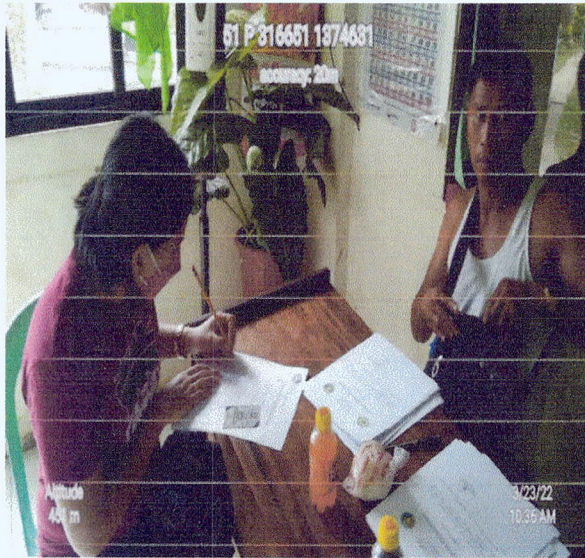


Figure 1. TCP staff conducting KII in IP member in Barangay Benli, Bulalacao, Oriental Mindoro I.



Figure 2. TCP ranger conducting KII in a community in Barangay Benli, Bulalacao, Oriental Mindoro.



Figure 3. TCP ranger facilitating KII in Barangay Benli, Bulalacao, Oriental Mindoro



Figure 4. TCP ranger conducting KII in IPs in barangay Tabinay, Puerto Galera, Or. Mindoro



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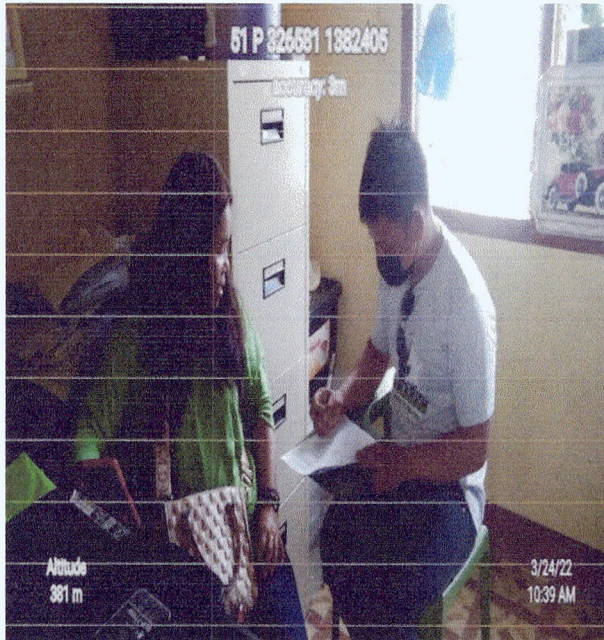


Figure 5. KII conducted in Panaytayan, Mansalay, Oriental Mindoro

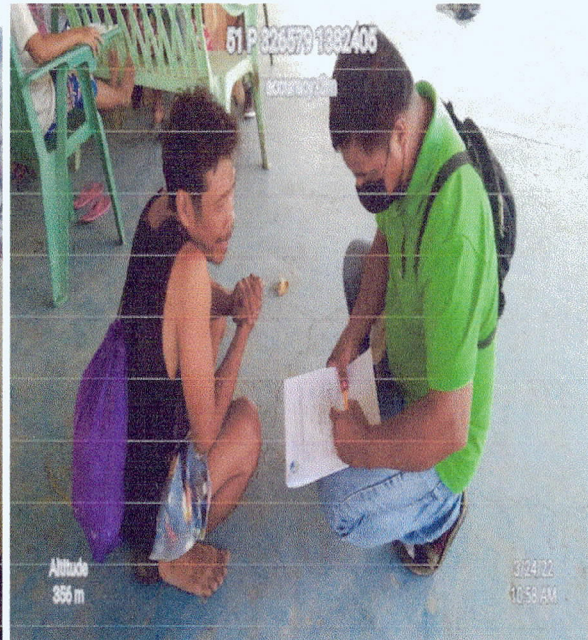


Figure 6. KII conducted in Panaytayan, Mansalay, Oriental Mindoro



Figure 7. KII conducted in IP member of Hanunuo Panaytayan, Mansalay, Oriental Mindoro.



Figure 8. KII conducted in Panaytayan, Mansalay, Oriental Mindoro.