

# GEF-Satoyama Subgrantee Highlights Report

Organization Name:	Fauna & Flora International
Country:	Myanmar
Reporting Quarter:	FY17 Q2
Person submitting Report:	Zau Lunn (zaulunn.ffi@gmail.com, zau.lunn@fauna-flora.org

<Highlight 1>: FCZ boundary demarcation in Indawgyi.

Please add a summary/explanation

FCZ boundaries were demarcated in Indawgyi in collaboration with the Department of Fisheries, Wildlife Sanctuary and communities.

< Highlight 2>: Develop community agreed FCZ maps for Malihka River (Hponganrazi Wildlife Sanctuary)

Please add a summary/explanation

Developed community agreed FCZ and explained to the communities in the villages along the Hponganrazi Wildlife Sanctuary.

< Highlight 3>: socio-ecological production landscapes and seascapes (SEPLS) and resilience assessment conducted. This was done in November 2016 in one village community. (see workshop report and photos below)

#### **Photos**

### Boundary demarcation in Indawgyi @ FFI





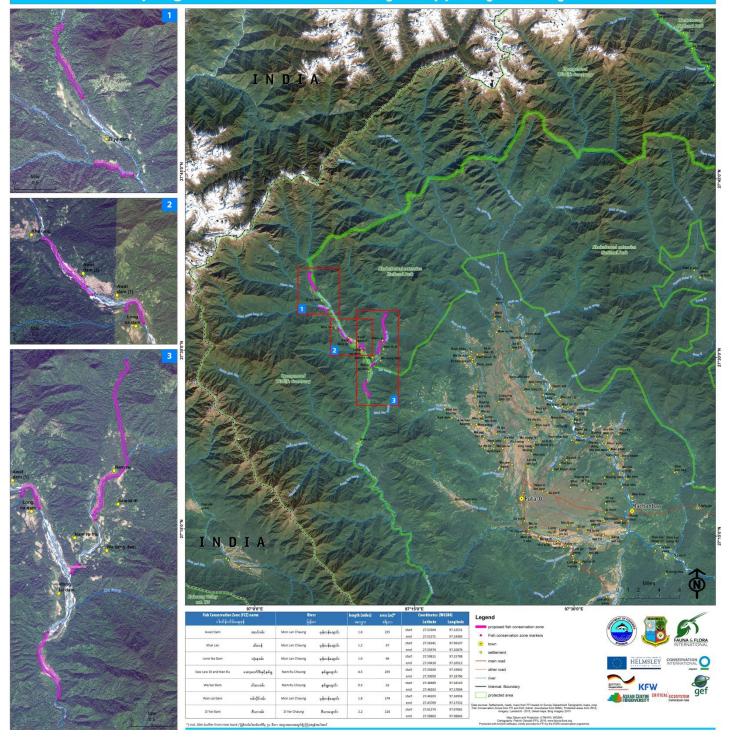
Develop community agreed FCZ maps for Malihka River (Hponganrazi Wildlife Sanctuary) @FFI





Fish landing and CPUE survey in Indawgyi Lake together with the Department of Fisheries @ FFI

## Proposed Fish Conservation Zones in Hponganrazi Wildlife Sanctuary in Upper Ayarwaddy Basin



Community agreed FCZ in Mali Hka River (Hponganrazi Wildlife Sanctuary)







### ပူတာအိုဒေသတွင်တွေရှိရသော ငါးမျိုးစိတ်များ (Fishes of Putao)



Bangana sp. Putao



Celestichthys flagrans



Devario sp. Putao



Garra aff. dulongensis



Garra sp. Putao



Neolissochilus compressus Neolissochilus sp. Putao





Oreinus cf. meridionalis



Opsarius cf. barna



Pethia cf. thelys



Pethia tiantian



Poropuntius cf. burtoni



Puntius chola



Raiamas guttatus



Semiplotus cirrhosus



Systomus saran



Tor sp. Putao 1



Tor sp. 2



Psilorhynchus brachyrhynchus Balitora burmanica





Homalopteroides rupicola Aborichthys aff. Kempi





Acanthocobitis aff. Botia



Schistura malaisei



Shistura cf. malaisei



Schistura sikmaiensis



Schistura sp.black &white Schistura sp.wings





Batasio procerus



Ompok pabda



Pteroctyptis berdmorei



Amblyceps murraystuarti



Exostoma stuarti



Glyptothorax trilineatus







Pseudecheneis brachyurus



Mastacembelus armatus Xenentodon cancila



Badis pyema



Channa burmanica















Brachydanio albolineatus

9 Esomus caudiocellatus

(ငါးရေပေါ် )

Labeo boga (ကျောက်ငါးလူး)

Opsarius barnoides (ငါးအိမ်းမ)

ON THE

### အင်းတော်ကြီးကန်ဒေသတွင် တွေ့ရှိရသော ငါးမျိုးစိတ်များ (Fishes of Indawgyi Basin)

Amblypharyngodon atkinsoni

(ငါးဆလွန်ဖြူ)





Gudusia variegata (ငါးလဘိ)





Garra sp. (ကျောက်ငါးသလဲထိုး)



Tes







Osteochilus rostellatus

Devario sp. (ငါးခရမ်း)

(ငါးခုံးမကြီးကြမ်း)

Morulius calbasu (ငါးနက်ပြာ)





Rasbora daniconius



Acanthocobitis sp. Indawgyi

(ငါးသလဲထိုး)



















Microphis dunckeri

(မိကျောင်းသွားကြားထိုးတံငါး)

Macrognathus cf. morehensis

(ငါးမြွေထိုး)











Badis cf. kyar (ငါးဗျင်းမသလက်ခေါက်)



Channa gachua (ငါးရံ့ပုတက်)





Trichogaster labiosa (ငါးဖျဉ်းသလက်)



(ငါးပူစီ/ငါးပူတင်း)







(ကျောက်ငါးလူးမီးကွက်)



Pethia erythromycter (ငါးခုံးမ)

Rohita rohita (ငါးမြစ်ချင်း)

Lepidocephalichthys berdmorei

(ငါးသလဲထိုး)

Physoschistura sp. Indawgyi

(ငါးသလဲထိုး)

(ငါးနောက်သွား/ငါးပက်လက်) West of the second

Wallago attu (ငါးဘတ်)

Heteropneustes fossilis (ငါးကျဉ်း)

Monopterus cuchia (ငါးရှန့်)

Mastacembelus pantherinus

(ငါးမြွေထိုး)

Dario hysginon



Pethia thelys (ငါးခုံးမ)













Hara longissima (တငါဇို)











(ငါးဇင်ဇပ်/ငါးမင်းသမီး)



















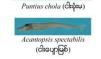






























Channa striata (ငါးရံု့)





### **Workshop reporting form**

### Indicators of Resilience in Socio-ecological Production Landscapes and Seascapes: <u>Assessment Workshop Reporting Form</u>

### I Submission information

	Name	Gurveena Ghataure	
Title Programme Officer		Programme Officer	
	Organization	Fauna & Flora International	
	What was your / your organization's role in the	I was the facilitator and was training our FFI field staff	
	assessment and/or activities using the indicators?	to carry this out in our field sites	

### II Background information

1	Organization name(s)  Who led or facilitated the assessment workshop?	Coordinator: Gurveena Ghataure Facilitator (s): Ngwe Lwin and U Myint Soe Oo Note Taker (s):
2	Venue Where was the assessment workshop held?	FFI Office in Indawgyi
3	Dates of activities  When did the assessment workshop take place? How long did it last for?  How many days were spent for the preparation of the workshop?	<ul> <li>November 26<sup>th</sup> and 28<sup>th</sup>. We spent one and a half days training FFI staff and partners in the field and going through the presentations and SEPLS assessment. We then spent one day in the village conducting the assessment.</li> </ul>
4	Purpose of the assessment/Reason for using the indicators  What indicators were selected for use?  How were the results utilized/ or will be utilized and incorporated for monitoring and evaluation of your project?	<ul> <li>For the first trial, we decided to use all indicators, as we felt most of these were relevant.</li> <li>The results have been collected and will be typed up. The discussion gathered from the village was useful and there have been some small changes already taken place.</li> </ul>

### III Activity information

		-
5	Assessment Workshop Participants:	
	Number of participants (excluding facilitators and note takers)	Total: 24 persons (Male 14 persons Female 10 persons)



	Please indicate if any specific measures were taken in order to ensure that participants of both genders had the same opportunities to participate and speak freely.  Please attach a participant list that includes gender, indigenous and/or minority group member, occupation, age.	We have worked in this village before and they have all had Free, Prior and Informed consent for the freshwater project in the area. The village was informed a few weeks before that we conduct this by our staff based near the field site. Attendance was encouraged from women and men in the village and pen discussion was encouraged.  List attached in Burmese and translation in English
6	Assessment workshop	
	Landscape Size (Hectares)	Approx. 77699 HA
	Activities  Please describe activities carried out during the assessment workshop, including the introduction (mapping exercises, explanation of concepts and indicators, etc.), scoring, and discussion, field trips etc.  Please include or attach the schedule (timetable) of the workshop.	Day 1. (half day) Introduction to FFI staff about the process and the assessment Day 2. (4 hours) Introduction presentation to FFI staff, partners – Friend of Wildlife and the fisheries staff at the office. We went through the purpose of the exercise and the indicators and questions. We did an example of mapping the area and going through the concepts and scores.  Day 3: Boat to village, we then split the group into two (mixed men and women) and we then went through the assessment.
7	Overall Results and Outcomes of Assessment Workshop	
	Please explain this within the context of your project.	
8	Lessons learned	
	What were the lessons learned from the use of the Indicators? Please include recommendations for improvement of the Indicators if any.	
IV	Comments (Optional)	
9	If there is any information you would like to share with us in addition to the above please include it here.	



### Appendix A: Report of resilience assessment in SEPLS

Questions for scoring Common understanding of the group		Group Score/trend	
Landscape/seascape biodiversity and ecosystem protection			
1 Landscape/seascape diversity			
Is the landscape/seascape composed of diverse natural ecosystems (terrestrial and aquatic) and land uses?	There is a diverse system, the lake, the forests, the community, fisheries and agriculture	5 (very high)	
2 Ecosystem protection			
Are there areas in the landscape or seascape where ecosystems are protected under formal or informal forms of protection?	Weak law enforcement	3 (Medium) stays the same	
3 Ecological interactions between differ	ent components of the landscape/seascape		
Are ecological interactions between different components of the landscape or seascape considered while managing natural resources?	•	5 (very high)	
4 Recovery and regeneration of the land	dscape/seascape		
Does the landscape or seascape have the ability to recover and regenerate after extreme environmental shocks?	There were field flooded in 2015 and when water level went down, this recovered.	5 (very high)	
Biodiversi	ty (including agricultural biodiversity)		
5 Diversity of local food system			
Does the community consume a diversity of locally-produced food?	•	5 (very high)	
6 Maintenance and use of local crop val	rieties and animal breeds		
Are different local crops, varieties and animal breeds conserved and used in the community?	<ul> <li>~ replacement of industrial agriculture instead of traditional ways, which is not good</li> <li>~ less grazing land</li> <li>~ reduce growing native species</li> <li>~ introduce exotic species</li> </ul>	3	
7 Sustainable management of common	resources		
Are common resources managed sustainably?	<ul> <li>~ establish fish conservation zones</li> <li>~ prohibit unsuitable fishing practices</li> <li>~ no management for grazing lands</li> <li>~ to demarcate the lake boundary and to conserve the grassland</li> <li>~ to prohibit growing in flooded area after water level is down</li> </ul>	(5) Very high (lake) (2)Low (grazing land) (3) Mediun (forest)	
	Knowledge and innovation		



8 Innovation in agriculture and conserv	ation practices	
Does the community develop, improve and adopt new agricultural, fisheries, forestry and conservation practices and/or revitalize traditional ones to adapt to changing conditions, including climate change?	<ul> <li>changing practices in fishing</li> <li>use chemical fertilizers and pesticides</li> <li>those changes however are not good for long term</li> </ul>	4 High
9 Traditions and knowledge related to b	piodiversity	
Are local knowledge and cultural traditions related to biodiversity transmitted from elders and parents to young people in the community?	<ul><li>~ fishing practices</li><li>~ traditional culture</li></ul>	3 Medium
10 Documentation of biodiversity assoc	iated knowledge	
Is agricultural biodiversity and associated knowledge documented, accessed and exchanged?	Documentation on paper is good	1 very low
11 Women's knowledge		
Are women's knowledge, experiences and skills recognized and respected at household, community and landscape/seascape level?	<ul> <li>~ conduct community based team cohesively e.g. village youth team. They are well respected and recognized</li> </ul>	5 very high
G	Sovernance and social equity	
12 Right in relation to land/water and o	other natural resource management	
Does the community have customary and/or formally recognized rights over land, (seasonal) pastures, water and natural resources?	<ul> <li>fishers group</li> <li>~ CF group</li> <li>~ social services group</li> </ul>	5 very high
13 Community-based landscape/seasca	pe governance	•
Is there a multi-stakeholder landscape/seascape platform or institution able to effectively plan and manage landscape/seascape resources?	<ul> <li>co-operate between village teams</li> <li>no people who move to other place</li> </ul>	4 high
14 Social capital in the form of coopera	tion across the landscape/seascape	
Is there connection, coordination and cooperation within and between communities for the management of natural resources?	•	3
15 Social equity (including gender equit	ey)	
Is access to opportunities and resources fair and equitable for all community members, including women, at household, community and landscape/ seascape level?	Women have rights to discuss and have taken the lead sometimes in discussions	5



L	ivelihoods and wellbeing		
16 Socio-economic infrastructure			
Is the socio-economic infrastructure adequate for the needs of the community?	•	3	
17 Human health and environmental co	onditions		
What is the general health situation of local people also considering the prevailing environmental conditions?	<ul> <li>~ suffer from kidney diseases due to contaminated water</li> <li>~ suffer from diarrhoea in hot season</li> </ul>	3	
18 Income diversity			
Are households in the community involved in a variety of sustainable, income-generating activities?	•	3	
19 Biodiversity-based livelihoods			
Does the community develop innovative use of the local biodiversity for its livelihoods?	•	3	
20 Socio-ecological mobility			
Are households and communities able to move around between different production activities and location as necessary?	•	1	



### Appendix B: Report of discussion about potential action plans in SEPLS

Priority topics of discussion identified in the group were as follows:

1. Agriculture land near lake – better boundaries and demarcation to prohibit growing in flooded area after water level is down

2.

3.

Торіс	What needs to be done?	Who will do it?	Who will lead it?	External support
	•			
	-			





## GEF-Satoyama Project







