

Assessment Report Industrial Forest Plantation High Conservation Value

Public Summary

PT. MITRA HUTANI JAYA

9.240 Ha

Pelalawan Regency, Riau Province

January – September 2014

This Public Summary is prepared within the framework of APP's Forest Conservation Policy and the information contained is the result of a full HCV assessment

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1. INTRODUCTION

1.1 Time frame of HCV Assessment

The assessment is conducted in January – September 2014

1.2 Reference

No	Reference
1	National HCV Toolkit
2	<i>The High Conservation Value Forest Toolkit, Edition 1, December 2003</i>

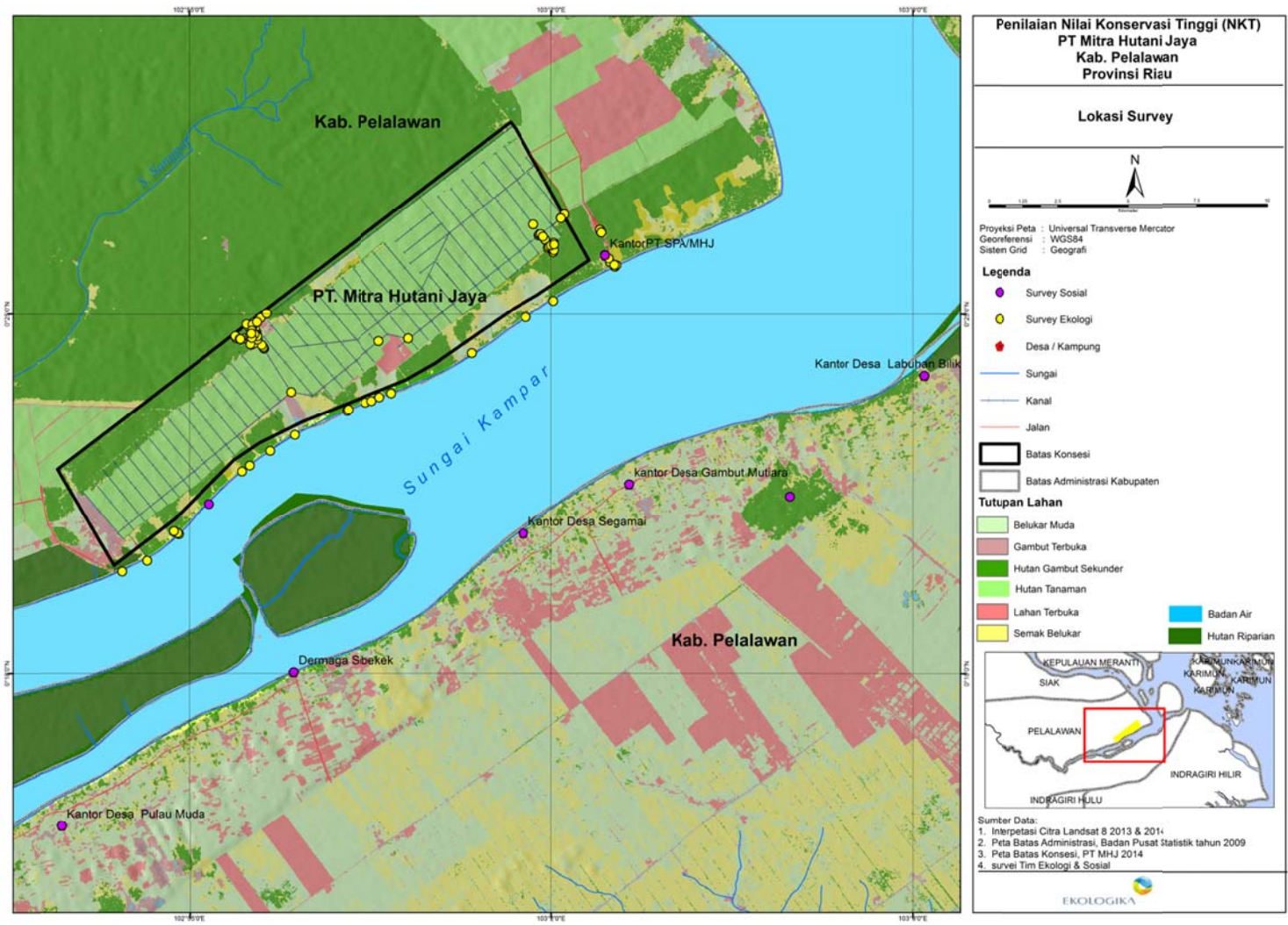
1.3 Project Development Status

PT. Mitra Hutani Jaya is one of APP supplier which has been operating since 2009, according to the FCP there will be no natural forest wood cut and clearance by PT. Mitra Hutani Jaya after January 31, 2013.

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1.4 Area Description

The assessment was conducted on the Industrial Forest Plantation owned by PT. Mitra Hutani Jaya which is located in Teluk Meranti Sub-district, Pelalawan Regency, Riau Province. The Definitive Ministerial Decree of the Ministry of Forestry of the Republic of Indonesia No. SK.101/Menhut-II/2006 dated 11 April 2006 licensed an area of ± 9.240 Ha in Riau Province. MHJ had obtained No: SK.58/Menhut-II/2013, dated 23 January 2013 on stipulation for IUPHHK-HTI working area in a 9.333 ha area.



The Map of PT. MHJ HCV Assessment Location

2 METHODS

2.1 Primary Data Collection

With the limited social data, socio-economic studies was also conducted on selected village to represent the concession. Personal information and HCV related or participatory research experiences with communities, of each team members are recorded in Appendix 2.

The primary data used are available in separate reports on:

- The vegetation within MHJ concession
- Mammals within MHJ concession
- Birds within MHJ concession
- Reptiles and Amphibians within MHJ concession
- Socio-economic and cultural condition within and around MHJ concession

Management and monitoring recommendations suggested in this report served as the basis of management and monitoring recommendations used in this assessment.

Field topography verification. To assess the accuracy of topographic conditions described in secondary DEM, general field observations are conducted throughout whole MHJ concessions. MHJ concessions are generally undulating to sloping with dominantly lowland forest ecosystems.

Vegetation Survey. HCV assessment of vegetation in MHJ concession was conducted by using descriptive method; with one km line-transect in areas representing each ecosystem types.

Amphibians and Reptiles. Herpetofauna diversity research was conducted by using active techniques, including Visual Encounter Survey (VES) modified with transect, Surveys at breeding sites and Road Cruising (Hayer et al., 1994; Kusriani, 2009). Morning observations were carried out from 06.00 to 09.00, while afternoon and evening observations were from 15.30 to 21.00. One km line-transects was set up in several habitat types.

Birds. Abundance survey of birdtypes was conducted by using cruising methods with Sorensen-Dice index to analyse the data, to identify the similarity of birds' flocks in each habitat type. Elaboration of the method, the survey area and the results are given in the separated avifauna report.

Mammals. This research applied line-transect and cruising technique. Mammals are observed by slowly cruising along 1 km of transect line in each forest types and recording all of the spotted mammals species. The observations were carried out in the morning (05:30 – 09:00), afternoon (15:00 – 18:00) and evening (19:00 – 22:00).

Social and cultural. The social and cultural scope of High Conservation Value (HCV) assessments falls to the criteria HCV5 (basic needs of local communities) and 6 (cultural identity and local community's bond with the area). Landscape methods was employed in the assessment, thus it carried in villages within and around the concession area.

Sample determination is based on the following criteria:

1. The village is within the concession area.

2. The village is located around the area in a very close proximity to the concession and potentially, directly or indirectly, affected by the company's operations.
3. The village is located around the concession area based on watershed (DAS).

Selected villages around the area was to examine the questions of whether natural resources from the concession and the forest areas are crucial to the fulfillment of basic needs of local communities, irreplaceable, do the community make use of natural resources in the concession area sustainably? And does loss/damage of some parts or all of the natural resources due to company's operations affect the community livelihood?

Data Mining Method uses data which were collected from Focus Group Discussions (FGD) and semi-structured Interviews. To ensure participation in the process of data mining, representatives and community groups (village authority, religious figures, youth, and marginal group) were involved in the FGD. The purpose is collecting information on the resources of each areas (settlement, hamlet, village) garnered from local community's knowledge, which is resourceful for HCV 4 assessment and socio-economic HCV 5, and HCV 6.

Location and delineation of High Conservation Value (HCV) 5 and HCV 6 are identified by observation, while GPS coordinates are input to set High Conservation Value Area (HCVA). The locations are then accurately presented in spatial maps.

2.2 Schedule

No	Activity	Date
1	Pre-assessment	20 - 31 January 2014
2	Reporting	February 2014
3	Multistakeholders consultation	15 April 2014
4	Assessment	April - May 2014
5	Reporting	June - August 2014
6	Public Consultation	22 – 23 October 2014
7	Peer Review	December 2014
8	Final Report	January 2015

3. ASSESSMENT TEAM

ADVISOR

Neville Kemp MSc (Technical Advisor of Ecology)

- Profession : Director of PT Ekologika Consultants, Natural Resource Management Consultant
- Expertise : Biodiversity survey, Community Development, Forest Ecology and Management. He is an ecologist, forestry expert and ornithologist
- Field Experience : Worked in conservation areas and community development at Indonesia and Vietnam for more than 17 years and known as an expert in the field of Biodiversity Survey, especially identifying avifauna species in Indonesia. Currently he is the Director of PT EKologika Consultants – a consulting company that provides Natural Resource Management Service and survey services in High Conservation Value assessment for companies in timber, palm oil plantation and Industrial Forest sector, including companies certified with FCS standard. He is also a member of High Conservation Value Network Indonesia.

Ninil Riyati Miftahul Jannah (Technical Advisor of Socio-economic and Cultural)

- Profession : Community Development Specialist
- Expertise : More than 10 years of working experience in various fields, including community development, conservation, environmental education and informal education for adults. Recently, her expertise is shifted to disaster risk reduction field and organizing communities to preparedness against disaster using participatory approach.
- Field Experience : Since earthquake disaster hit Yogya in May 27th 2006, Ninil had helped many communities to rebuild and strengthen their source of income through participatory approach. Founded “Perkumpulan Lingkar” in 2008 and continuously working with communities to implement programs related to natural resources and disaster risk reduction.

ECOLOGY TEAM

Imam Sulistyono (Team Leader, and Sociocultural)

- Profession : Social Technical Lead, PT. Ekologika Consultants
- Expertise : Biodiversity Survey, Community development, Stakeholders Engagement.
- Field Experience : Imam started his professional career in community development field and natural resource management since

2001. More than 10 years of experience conducting biology surveys, social studies and community engagement and development. Possess good knowledge in facilitating and building relationship with communities, government, and other stakeholders.

Agung Kusumanto, S.Si

Profession : Biodiversity Specialist
Expertise : Biodiversity Survey, especially mammal' ecology and its habitat
Field Experience : Active participant in research activity since college as assistant as well as experts on field study & education, especially in the field of Ecology, including research in Mount Gede Pangrango National Park, Alas Purwo National Park, Meru Betiri National Park, Baluran National Park, Bali Barat National Park, LeuweungSancang Natural Preserve, Gunung Tilu Natural Preserve, Kamojang Natural Preserve, PulauDua Natural Preserve, and Mount Papandayan Natural Preserve. Worked as freelance researcher, often involved with various short-term researches at several locations in Indonesia, like Kalimantan, Sulawesi, and Sumatra. Working with community and local community figure to actively monitor leopard (*Pantherapardusmelas*) and develop environmental based community in Mount Papandayan area since 2009.

He is still actively involved in various conservation movements, and community-based ecosystem rehabilitation. He is also a routine cage technical expert of welfare-based caged luwak coffee production.

Fahrudin Surahmat, S.P. (Avifauna)

Profession : Avifauna Researcher
Expertise : Biodiversity survey, especially birds taxa
Field Experience : Actively participated in biodiversity research in various National Park and Wildlife Preserve since college, such as Mount Halimun-Salak National Park, Mount Gede Pangrango National Park, Ujung Kulon National Park, Cikepuh Wildlife Reserve, Muara Angke Wildlife Reserve. Actively involved in monitoring predatory bird migration, avifauna survey for Cikalang Christmas (*Fregataandrewsi*) in Jakarta bay, environmental monitoring and environmental related to Eagle reintroduction and birds marking. He is still an active volunteer of SuakaElang, HarimauKita, and Burung Nusantara. Researcher is also part of Indonesia Bird Banding Scheme; group of avifauna researcher affiliated with LIPI which is actively marking bird. Aves assessor for HCV studies for PT. ATP, PT. DTK, and PT. KSP at West

Kalimantan, PT. RIA, PT. MSK, PT. BDL, PT. RUJ, PT. SGP, and PT. BKM in Riau. (all companies are industrial forestry companies listed as APP supplier)

BurhanTjaturadi, MSc (Ecology-Herpet Team)

Profession : Natural Resource Management Consultant
Expertise : Biodiversity Survey, especially herpetofauna taxon (Reptilian and Amphibian).
Field Experience : Worked in conservation field in Papua for more than 11 years and known as expert in biodiversity survey, especially herpetofauna identification in Indonesia. Other than that, he was also active in Turtle Breeding studies in a NGO located at Yogyakarta. Currently he served as Biodiversity Officer in PT. Ekologika Consultants – a consultant company that provides Natural Resource Management Service and surveying services which provides High Conservation Value measurement for timber company, palm oil plantation and Industrial Forest, including several companies which had FSC certification standard.

Hastin ,S.Si (Herpetofauna/Reptilian and Amphibian)

Profession : Herpetology Specialist
Expertise : Herpetofauna Ecology Survey (Amphibian and Reptilian)
Field Experience : Since college, Hastin had been active conducting various researches in regards to Herpetofauna in Yogyakarta and Central Java area, from variety of species, effect of natural disaster, to the extent of Herpetofauna feeding preference. Hastin had served as a herpetologist in HCV survey for South Sumatra landscape with Ekologika, and also in Nusakambangan Nature Reserve Management Plan survey with FFI-Indonesia Programme. Currently Hastin also actively involved in introducing herpetofauna activity for children at school age in Yogyakarta. Herpet Assessor for HCV studies activity for PT. SHP, PT. TPJ, PT. RHM, PT. BPP 1 and PT. BPP 2 in Muba-South Sumatera (all company are industrial forest companies listed as APP supplier).

Agusti Randi S.Hut (Plant Ecology Team)

Profession : Flora Consultant
Expertise : Biodiversity Survey, especially Flora.
Field Experience : Since 2010 had done various biodiversity research with several institute such as FFI and WWF at several conservation and private companies in West Kalimantan for HCV purpose and others. Vegetation accessor for HCV studies activity for PT. ATP, PT. DTK and PT. KSP at West Kalimantan; PT. SBA, PT.

BAP, and PT. BMH at OKI-South Sumatra; PT. RIA, PT. MSK, PT. BDL, PT. RUJ, PT. SGP and PT. BKM at Riau (all private companies are company with forest industry that supplies APP)

July WongsoS.Si (GIS)

Profession : GIS Consultant
Expertise : Geographic Information System and Remote Sensing
Field : Since 2008 had done several Mapping activities with
Experience : Government Institute (Designing Masterplan, GIS Application, Education Mapping) and Private Companies as well (Mapping for POI and PA, Market Competition, etc.), currently active in designing HCV mapping, be it at HPH or forest industry.

RahmatSubiyakto (Socio-economy and culture)

Profession : Community Development Specialist
Expertise : More than 10 years of working experiences in social aspects of community development, environmental education and extra curricular education. Currently working in community development of community based disaster risk reduction.
Field Experience : Community assistance, school as well as public community employing participatory methods. Experiences in developing environmental programs, environmental education and disaster risk reduction.

Saifuddin (Socio-economy and culture)

Profession : Community Organizer, Community Development, Social researcher
Expertise : Community Organizer; Community Development; Facilitator for Environmental Education; Waste Management
Field Experience :

- Facilitator for Outdoor Education, Klub Indonesia Hijau
- Facilitator for Nature Monitoring Expedition, Klub Indonesia Hijau.
- Socio-Economic Studies for Shoreline Community on Main Tracking Pangumbahan Green Turtle, Sukabumi-partnership with Ministry State Office for Living Environmental, 1992.
- Facilitator for Living Environment Education, Bakti Social Surya Baskara Jaya operation, Armabar TNI AL, 1995.
- Intrepeter Training for Biodiversity purpose at Gunung Gede Pangrango National Park, 1995.
- Flores Expedition, bird ecology survey in Flores-Nusa Tenggara Islands. Conservation Project University of East Anglia, England. 1997.

4. RESULT

4.1. HCV Result

HCV	Definition	Present	Potential	Absent
1	Concentrations of biological diversity including endemic species, and rare, threatened or endangered species, that are significant at global, regional or national levels.	HCV 1.1, 1.2, 1.3, 1.4		
2	Large landscape-level ecosystems and ecosystem mosaics that are significant at global, regional or national levels, and that contain viable populations of the great majority of the naturally occurring species in natural patterns of distribution and abundance.	2.2,2.3		2.1
3	Rare, threatened, or endangered ecosystems, habitats or refugia.	3		
4	Basic ecosystem services in critical situations, including protection of water catchments reserve and control of erosion of vulnerable soils and slopes.	4.1, 4.3		4.2
5	Sites and resources fundamental for satisfying the basic necessities of local communities or indigenous peoples (for livelihoods, health, nutrition, water, etc.), identified through engagement with these communities or indigenous peoples.	5		
6	Sites, resources, habitats and landscapes of global or national cultural, archaeological or historical significance, and/or of critical cultural, ecological, economic or religious/sacred importance for the traditional cultures of local communities or indigenous peoples, identified through engagement with these local communities or indigenous peoples.	6		

HCV	Sub-Item	Definition	Present
1.	1.1	Areas/sites that have or give Biodiversity Supporting Function for Protected and/or Conservation Areas.	Company's protected areas, riverbanks
	1.2	Endangered species.	<i>Meranti(Shorea platycarpa & Shorea cf. johorensis of Dipterocarpaceae and Panthera tigris sumatrae</i>
	1.3	Areas that contain habitat for viable population of endangered restricted range or protected species	10 vegetation species, 18 mammals species, 33 avian species, and 7 species of amphibian and reptilian taxa
	1.4	Areas that contain habitat of temporary use by species or congregation of species	Migratory birds using MHJas flying track, feeding, temporary stop. <i>Accipiter badius</i> , <i>Hieraetus kienerii</i> , and <i>Pernis ptilorhynchus</i>
2	2.1	Large Natural Landscapes with capacity to maintain natural ecological processes and dynamics	No natural forest with >20.000ha core area and 3km buffer zone

	2.2	Areas that contain two or more contiguous ecosystems	Ecotone between peat swamp and mangrove ecosystem
	2.3	Areas that contain representative populations of most naturally occurring species	Wildlife biodiversity, especially mammals are found in all peat forest, lowland forest and shrubland with several groups of felidae and accipiter species
3		Areas with endangered or nearly extinct ecosystem.	Dipterocarpon sedimentary rock
4	4.1	Important areas or ecosystem that function as water supply and flood control for community that resides in downstream areas.	Peat swamp forest
	4.3	Areas that function as natural barriers to prevent forest or field fire.	100m Forest buffer zone, Industrial Forest Plantation (HTI)
5		Areas with Important Functions to fulfill Local community's basic needs.	(1) protein intake, (2) clean water supply, (3) construction material, working tools (4) cash income, and (5) productive land. Of 10 important value criterias, 3 are HCV: clean water source, construction material and cash income source.
6		Areas with Important Functions as Traditional Cultural Identity of Local Communities.	Old grave of elders, the first inhabitant of Pulau Muda village, and a river as natural boundary of 3 villages and source of history, that is Matakeli or Matalele river.

4.2. Public Consultation Result

Implementation:

Date	22 – 23 October 2015
Venue	Hotel Grand Tjokro, Pekanbaru

Attendance list of HCV Assessment Public Consultation

Government Agency/Institution of Riau Province

Day I : 22 OCTOBER 2014

NO	NAME	POSITION	EMAIL	CONTACT NO.
1	ASWANDI	BAPPEDA PROV.RIAU		081371157899
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Day II : 23 OCTOBER 2014

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Government Agency/Institution of 6 Regencies

Day I: 22 OCTOBER 2014

NO	NAME	POSITION	EMAIL	CONTACT NO.
1	JUNAI DI	DISHUT ROHIL		081378797013
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5	W. JAHRUZI YUSUF	SDA		081378219689
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2014

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6	ZAKARIA	BLH KAB. BENGKALIS		085356214488

7	M. SYAFI'I	BLH PELALAWAN		081276128397
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9	SYARIFUDDIN	BAPPEDA BENGKALIS		085222206856
10	YULIANI	BPN KAMPAR		081389890896
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12	FARWA YUNIANDRA	DISLUT KAMPAR		

Observer, Researcher and Academician

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4	ANDI.S	PHS		081765432214

Day II : 23 OCTOBER 2014

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Civil Society or NGO

Day I : 22 OCTOBER 2014

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5	TEDDY. H	KABUT RIAU	-	08127676181
6	FRIDESIANA	SLS		085278753486
7	FATRA BUDIYANTO	RUMAH POHON	-	082174846479
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9	SYAFRIZAL	SIAK CERDAS	-	081371909930
10	RAHMAIDI AZANI	JKALAHARI		081371822940

Community representative and officials of villages around the area of IUPHHK HT Management Unit

Day I : 22 OCTOBER 2014

NO	NAME	POSITION	EMAIL	CONTACT NO.
1	EDI POSMAN. M, SAP.	KECAMATAN SIAK		081365661977
2	M. RAISAN	KADES BONAI		081371732290
3	AGUS SURYONO	KET. LPM		085261183661
4	JASMAN	TK, MASY. DESA SEGAMAI		081372603949
5	JOHARI	MASYARAKAT SEGAMAI		
6	SUKRI	SEKDES SEGAMAI		085272352595
7	JULI ANDRIO	KAUR SUNGAI RAMBAI		085365681986
8	ZAINUAR	TK. MASY DESA TANJUNG MAS		081261291453
9	H. DUSLI	KEC. TL. MERANTI		085272765637
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12	SYAFRIZAL	DESA SEPAHAT		085365111768
13	H. AZWAR HAMID	DESA KB DURIAN		081360219909
14	NURBAINI	DESA SIABU		081268025770
15	SABRI	KEC. KASANG PADANG		082388300808
16	NASHIM T	BPD		082391952684
17	ARIS	KNTR CAMAT TAPUNG		082391202112
18	RIDARSYAH	KTR CAMAT GNG SAHILAN		082386452963
19	IBNU HAJAR	KETUA BPD		082329124853
20	JAMHUR	SEKDES		082389896677
21	BAHARUDDIN	BPD TANJUNG MAS		08136578308
22	ARIZAL	KADES KB DURIAN		081371382783
23	BUSTAMI	KADES SUNGAI RAJA		085376817325
24	M. MALIS AN,	KECAMATAN		082171264889
25	DIHERMAN	ADAT SUNGAI RUMBAL		082385963787

26	ARIFIN HAMDANI	KADES GAMBUT MUTIARA	081277651986
27	ILYAS	YOKOH MASYARAKAT	082262620014
28	ABDUL HARIS	BPD PULAU MUDA	085264665534
29	M. ROYAN	KADES PULAU JAMBU	085364031715
30	ROSIDI	TOKOH MASYARAKAT	081268701288
31	RAKHBUSANI	KADES TJ HARAPAN	081365371713
32	RAMLIS	BPD DANAU SONTUL	082390370417
33	ABDUL SAMAD	SEKDES LABUHAN BULUK	081270153900
34	ZULKIFLI IBRAHIM	KADES SEPUNGGUK	081371107291
35	HAFBAN, ST.	KADES PTH	082170013001
36	ARMAN. J	DIDUS BONAI	081371327010
37	DARMAWAN	TOKOH MASYARAKAT	085271139873
38	WANDRI	KAUR PEM	085265205711
39	RUSTAM	DESA SODAY	081364765618
40	KHAIRIL ANWAR	KADES API-API	085272336166
41	MULYADI	DESA SONTANG	085264760423
42	ANITA SAPUTRI	DESA SONTANG	085265538023
43	AMINAN	K. BUANTAN BESAR	081271496760
44	UJANG PAMAN ISMAIL	UMR. KALAM RIAU	081365377234
45	ZAINI	SIPUNGGUK	082391087172
46	NURDAN	KAUR DESA	081365385727
47	ARIANTO	SEKDES TANJUNG MAS	081276249066
48	ARMIYA	KAUR DESA	085375207337
49	SUDIRMAN ALI	KADES	082380836066
50	IRIANTO. SIP	CAMAT KAMPAR KIRI	085365271999
51	DEFRIYADI. MM	LPM KEBUN DURIAN	081276494429
52	DAMHURI	K. PEMBANGUNAN	085274071311
53	AGUS PRIANTO	KADES	
54	BAMBANG RAWAN		085271948737
55	NURUS	KADES	085265815233
56	EDI AFRIZAL	KECAMATAN SALO	085374863370
57	TABRANI	KECAMATAN KUOK	
58	KISMAN	SEKDES SUNGAI HARAPAN	085350864688
59	SUKIMAN	SUNGAI HARAPAN	081378789425
60	ZANI ZULKALMI	SEKDES SUNGAI RAMBAI	08530760077
61	ADI YUS. MD	KADES SUNGAI HARAPAN	085365615954
62	YENDRI. S	LANGKAI (SIAK)	
63	ANAS RUDDIN	TOKOH MASYARAKAT	082170250838
64	MAWARDI	SIPUNGGUK	081276324404
65	MUHAMMAD AJIS	SEKDES MEREMPAN HULU	085265961096
66	DONI AFRAISI	KADES L. KOIN SELATAN	085265877164
67	DARSONO		081378587552
68	ZUKLI	PMD DANAU SONTUL	085363056634
69	NAZRI	KADES B SUKAJADI	
70	EPRI	KAUR GANTING DANAI	082174136494

71	ARSYAD	GNG SAHILAN		
72	JAMHUR	KADES LP. K		082386456666
73	ISKANDAR	LKU		081270961961
74	ELMILON. SE	LKAIN U		085210962423
75	AFRIONO	MEREMPAN HULU		085355551339
76	ASRUL WANTO	DESA DANAU SONTUL		082388106989
77	ZAINI	KADES RAP		081371507056
78	MISNAN	DRP		081267196660
79	JAMALIS			
80	MISLANI	KADES TEMIANG		
81	JAAFAR	KADES BUKIT BATU		
82	MISMON	KAB P B API-API		
83	NASRUN	KADES TENGGAYUN		
84	IMAM KALIDI	LIPATKAIN SELATAN		082386641352
85	M FADHUL	CAMAT BUKIT BATU		
86	SAFRUDIN	KADES BURUK BAKUL		
87	HASAN A	KADES SPLT		

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2	SUDIRMAN ALI	KADES LABUHAN BILIK		082388830056
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4	ABDUL SAMAD	SEKDES LABUHAN BILIK		081270153900
5	BAHARUDIN	KETUA BPD L. BILIK		085272271100
6	RANO RIFALDO	TOKOH MASYARAKAT		085355721222
7	JULI ANDRIO	KAUR DESA SUNGAI RAMBAI		085365681986
8	IMAM KHALIDI	LIPATKAIN SELATAN		082386641252
9	DOMI ARRAISI	KADES LIPATKAIN SELATAN		085265897164
10	JAMALUS	LIPATKAIN SELATAN		
11	IBNU HAJAR	KETUA BPD		085329124852
12	JAMHUR	SEKDES		082389896677
13	NURMAN	KAUR		081365385727
14	RIDARSYAH	KEC.GUNUNG SAHILAN		082386452963
15	ARSYAD	GUNUNG SAHILAN		
16	ARIANTO	SEKDES TANJUNG MAS		081276249866
17	ZAINUAR	TOKOH MASYARAKAT		081261291453
18	BAHARUDIN	BPD		081365783208
19	SABAI	KMG. KASANG P		082388300808
20	ADIYUS. MD	KADES SUNGAI HARAPAN		085365615959
21	NADRI TARI	BPD		082391952684
22	DEFRIYADI, MM	SEKETAS LPM KB DURIAN		081276494429
23	HARIS	BPD		085264665534

24	WANDRI	KAUR PEM	085265205711
25	ARIS	CAMAT TANJUNG	085291202112
26	BUSSANI	KADES SUNGAI RAJA	081375817335
27	ROSIDI	TOKOH MASYARAKAT	081268701188
28	RAKHBUSANI	KADES TANJUNG HARAPAN	081365371713
29	ZULKIFLI IBRAHIM	KADES SIPUNGGUK	081371107291
30	RUSTAM	TOKOH ADAT	081364965618
31	FAHRIZAL	NINIK MAMAK SEI RAJA	085271404992
32	MAWARDI	KADUS SIPUNGGUK	081276324404
33	RIDAWATI	TAPAK	
34	ZAINI	KAUR SIPUNGGUK	082391087172
35	ANASRUDDIN	TOKOH MASYARAKAT	082170250838
36	H. DUSLI	SEKRETARIS CMT. TL. MERANTI	085272765637
37	NURBAINI	KADES SIRBU	081268025770
38	IRIANTO	CAMAT KAMPARKIRI	085365271999
39	M. RAYAN	KADES PL. JAMBU	085364031715
40	SUKRI	SEKDES SEGAMAI	085272352595
41	JASMAN	TOKOH MASY SEGAMAI	081372603949
42	JOHARI	MASYARAKAT	
43	M. RAIS	KADES	081371732290
44	ARMAN. J	KADUS BONAI	081371327010
45	DARMAWAN	TOKOH BONAI	085271137899
46	ZANI ZULKALMI		085307620077
47	AGUS SURSONO	DESA BATU GAJAH	085261183661
48	EPRI	KAUR DESA GANTING DAMAI	082174236494
49	KISMAN	SEKDES SEI HARAPAN	085356864688
50	SUKIMAN	SUNGAI HARAPAN	081378789425
51	ZUKLI	PEMUDA DESA DANAU SONTUL	085363056634
52	ASRUL WANTO	RT DESA DANAU SONTUL	082388106989
53	RAMLIS	BPD DESA DANAU SONTUL	082390370417
54	HELMIZON	KT. LPM UTAR	085210962423
55	JAMHUR	KADES LIPATKAIN UTARA	08238645666
56	ISKANDAR	KADUS. LIPATKAIN UTARA	081270961965
57	NURUS	KADES BATU LANGKAH KECIL	085265815233
58	AGUS PRIANTO	KADES LANGKAI	
59	HENDRI. S	LPM	
60	DARSONO		081378587552
61	MISNAN	RAWANG AIR PUTIH	081267196660
62	M. AJIS	SEKDES MEREMPAN HULU	085265961096
63	AFRIONO	KAUR MEREMPAN HULU	085355550339
64	AMINAN	KAUR BUANTAN BESAR	085271496760
65	BAMBANG IRAWAN	BUANTAN BESAR	085271448737
66	ARMIYA	KAUR	085375207337
67	HERLAMBANG	KADES MEREMPAN HULU	085200043040
68	H. ATIM	KADES TJ LEBAM	081227627716

69	NASRUN	KADES TENGGAYUN		081268519163
70	SAFRUDIN	KADES BUKIT BULUK		082283609978
71	MISMOM	KADES PARIT 1 API-API		081268428040
72	DAMHURI	KAUR		085274071311
73	EDI AFRIZAL	CAMAT SALO		085374863330
74	MULYADI	KAUR PEM. SONTANG		085264760973
75	ANISA SAPUTRI	SONTANG		085365538023
76	THABRANI	KEC.KUOK		082170232887
77	JAMALUS	MASYARAKAT		
78	SYAFRIZAL	TOKOH MASYARAKAT		
79	KHAIRIL ANWAR	KADES API-API		
80	JAAFAR	KADES BUKIT BATU		
81	MISLANI	KADES TEMIANG		
82	HASAN ASYARI	KADES JEPAHAI		
83	HAFIZAN ST.	KADES PETAPAHAN		082170013001
84	M.AFRIZAL	KEC.BRUNAI DARUSSALAM		081371006234
85	ASRIL	TOKOH MASYARAKAT		
86	AHWAL S.	TUNAS SONGODI		085268023770
87	NAZRO	KADES SUKA JADI B.BATU		081275474666
88	ZAINI	KADES RAWANG AIR PUTIH		081371507056
89	JULHAM	RAWANG AIR PUTIH		082170327733
90	DIHERMAN	SUNGAI RAMBAI		082385963787
91	M.ARISTIANTO	KEC.SIAK		081267194550
92	SAHAK	DS.LABUHAN BILIE		
93	ASRIL	SIPUNGGUK		082391087172

Summary of the input from consultation process of HCV assessment in Riau

In General, inputs from public consultation for HCV assessment document in Riau can be summarized as follow :

Summarized inputs generally highlighting the management and monitoring of HCV. On the field HCV assessment by Ekologika is generally acceptable and verifiable. The inputs from the discussion are as follow:

- 1) There was a misinterpretation of HCV by participants as something that should be protected and should not be accessed by the public. Thus, it causes concerns of the community's land (fields etc) that is specified as HCV that cannot be accessed or utilized by community. For instance, the overlap between animals that are categorized as HCV with community's land has been worrying the participants of the community who are affected because they consider this would bring the result that they are not able to access the land for village as there are protected animals in their land. It is also associated with many terms which are not understood by the public consultation participants. The translation of this term into the language which is better to be understood by new comers becomes important for similar events in the future.
- 2) Identified HCV management are expected to be able to restore environmental conditions. Ekologika is expected to collaborate again with APP for its management.
- 3) Species of enggang and tiung bird which are identified by the HCV 1, suspected by participants, will extinct due to large trees which are the place for them to live which

have been replaced by industrial plant such as eucalyptus and acacia. Therefore, the existence of the natural forest left in forest management enterprise (UPH) need to be maintained.

- 4) With regard to HCV 5, participants emphasized the need of land bank for community farming. The allotted land for agricultural activities is expected to prevent community encroachment to the conservation purpose area. In this case, Government' role is expected to set up the lands allocated for the community's agriculture, so that not all of the land is given to the company.
- 5) Furthermore, in order to increase economic welfare, as well as education and health, the company is requested to enclave community's farm-land and plant the lands crops for livelihood. Some recommended plants are: *kempas*, beehive rattan, fern, *medang*, etc.
- 6) The company is expected to formulate a blueprint for community's economic empowerment. Some economic activities which can be developed at the community level are: *keramba* fish farming, improving honey bee farming to be more sustainable.
- 7) Related to riverbanks management, the participants assumed that the HCVA management will be effective if the company buy community's lands, especially those which are located at border of the river. Thus, community will not convert the forest at the riverbank into farmlands, and wildlife existence in the area could be preserved.
- 8) Illegal logging by community for manufacturing boards and other construction materials has led to the loss of tree where bees are nesting and breeding (sialang forest).
- 9) The impact of forestry industry as well as illegal logging is river pollution, where logging waste accumulated. The contamination also comes from ship's oil and loading and unloading activities of fertilizers and pesticides of companies in the river. Wood waste from illegal logging, flowing with stream and crashing into nipah plant on the riverside have caused the decrease of nipah population.
- 10) Forest clearing for industrial plantation, e.g. acacia is threatened wildlife species. As the result, the wildlife become easy to be found and captured by the community. Therefore, the function and duties of forestry police is to guard and monitor the forests containing HCV needs to be more effective. The ongoing cooperation between the Government, private sector and local community (both the rule of the village as well as Indonesian customs) must be built to guarantee the sustainability of HCVA, for example, by building a team of patrolling and monitoring. The involvement of third parties also needs to be done by the company to build and implement Standard Operation Procedure (SOP) and the increasing of human resources.
- 11) HCVA protection has to consider and follow rules and criteria for protected areas that are set in the regulations, considering the protected key species home range.
- 12) Based on the participants input, illegal logging activities in the area of PT PSPI is classified as high. This is contrary to the findings of ekologiika team that declared that illegal logging activity that occurs in PSPI PT is classified as still low.
- 13) There is a threat overland conversion on Meranti Bay into community settlement and plantation due to the growth of Bono ecotourism, which has driven migration to the surrounding tourist sites that need the attention and management.
- 14) There should be a clear boundary marking of concessions area, especially to the high conservation value management area (HCVMA). furthermore, the area should be a shared responsibility between the company, the community and Government. The boundary marking process of HCVMA is expected to involve the community.
- 15) The management of the buffer zone area for forest fire should be well maintained by the company to prevent encroachment by community.
- 16) The company should implement Minister of Forestry Regulation (Permenhut) No. P21/Menhut-II/2006 that consists of: principal plantation 70% of HTI area, seeded crops area 10%, crops for livelihood area 5%, protected area 10%, and Infrastructure area 10% of HTI area.
- 17) Many cultural sites are overlooked due to lack of awareness of the parties who are in

charge over the area where the site is located. Therefore, the role of community needs to be empowered to conduct the dissemination of information through the media and the good promotion, likewise for community empowerment for the maintenance of these sites. The tradition and culture also need to be conducted regularly and be promoted in order to attract tourists.

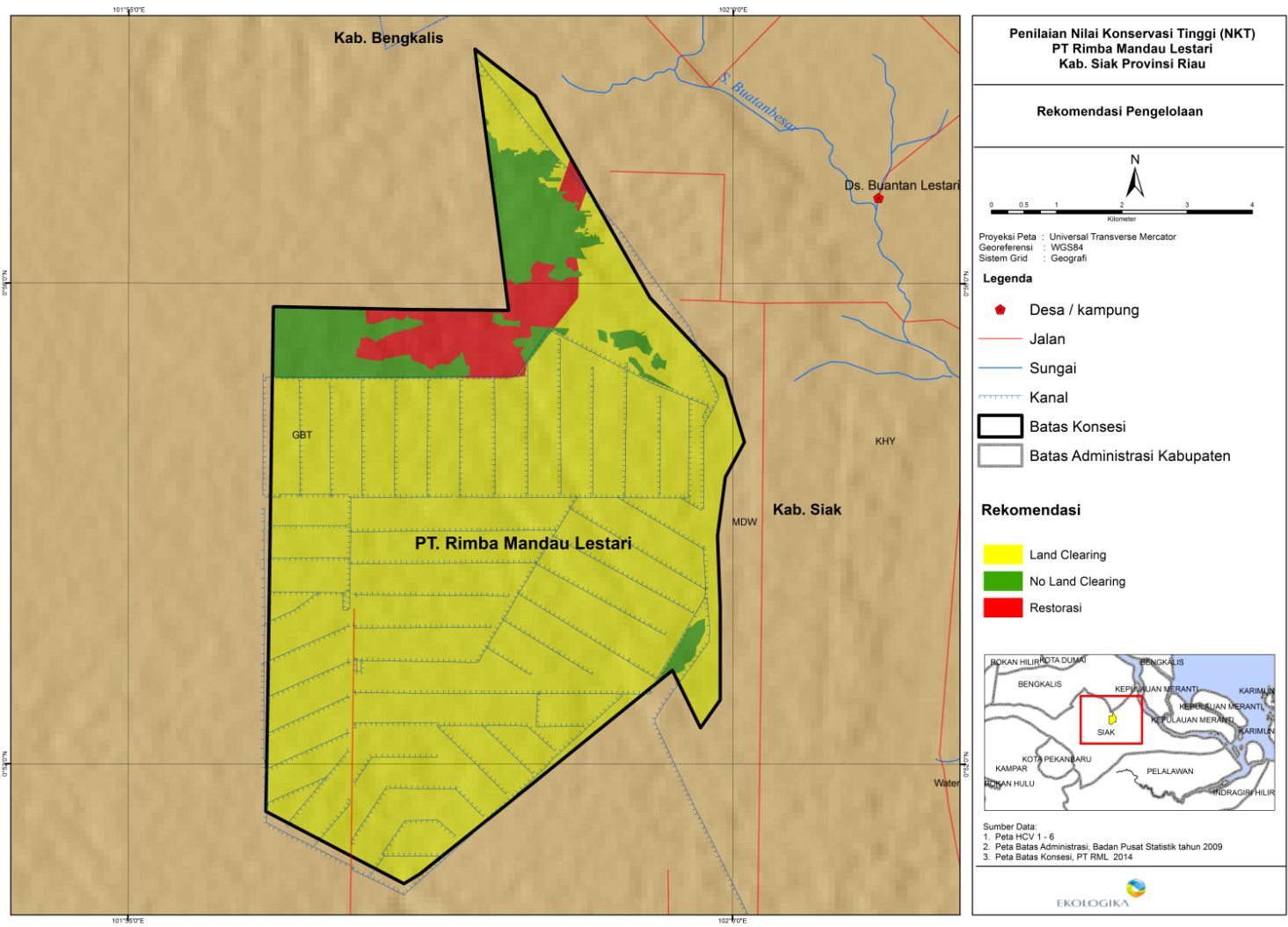
- 18) The management of HCVA, especially the HCV 6, needs to be strengthened with the village regulations (Perdes) in order to ensure the sustainability of HCV 6 under the management of Forest Management Unit (UMH).
- 19) Government, community, Forest Management Unit (UMH) and the company around the village need to be involved in monitoring the existence of HCV 6.

5. RECOMMENDATION

HCV	Sub Item	Definition	Management	Monitoring
1.	1.1	Areas that contain or provide biodiversity support function to protection or conservation areas	HCVA Boundary marking	Monitoring the condition of the protected area after HCVA boundary marking
			Controls illegal logging in forest areas	Joint patrols between forest ranger and community
			Increase the understanding of employees, contractors and local community about wildlife.	Measure the amount of occurred poaching
			Making the riverbank into conservation area.	Taking measurements directly in the field
			The involvement of local community in the process of determining land-use agreement	Monitoring land use by using satellite images
	1.2	Endangered species	Controls illegal logging in forest areas	Joint patrols between forest ranger and community
			Charted CR individual species	recording and tagging of CR stands
			Saving Shorea platycarpa, Shorea cf balangeran seedlings	Recording of seedling development with biodiversity surveys and vegetation research
			Hunting ban and increasing employees and local community awareness about wildlife.	Patrol and enforcement of the reporting system in case of monitoring, installation of camera traps in known crossing locations
	1.3	Viable populations of endangered, restricted range or protected species	Mapping vulnerable/potentially caused fire areas.	Hotspots observation with Community based fire management
			Hunting ban	Patrol system and enforcement reporting system for monitoring, installation of camera traps in wildlife tracks
			Increasing employees, contractors and local community awareness about wildlife.	Regular wildlife monitoring of industrial plantation blocks by forest management unit (UMH) Staff. Monthly report of HCV species monitoring included the existence/non-existence HCV species, condition and possible threats.
			Controlling illegal logging in forest area	Intensive monitoring and patrol (once a month) to ensure that no illegal logging in the concession area by staff, forest ranger and

HCV	Sub Item	Definition	Management	Monitoring
				community
			Allowing Natural Succession	Conducting a survey of biodiversity and the presence of invasive species in conservation area
	1.4	Areas that contain habitat of temporary use by species or congregations of species	Migratory birds inventory survey	Surveys in the area bordered by mangroves and other wetland ecosystems
			Increasing awareness on migratory bird species	Questionnaires for staff and the community
2	2.1	Large Natural Landscapes with capacity to maintain natural ecological processes and dynamics	-	-
	2.2	Areas that contain two or more contiguous ecosystems	No Land Clearing in riverbank area designated as HCVA 2.2	Direct on the field monitoring on visitable area
			Controlling illegal logging in forest area	Intensive monitoring and patrol (once a month) to ensure that no illegal logging in the concession area by staff, forest ranger and community
	2.3	Areas that contain representative populations of most naturally occurring species	Law Enforcement and establishment of Protected Areas in natural forest	Periodic patrol
			Habitat enrichment	Checking the condition per semester
			Development of Pre-Harvest Monitoring Mechanism	Land verification to check activity status. Monitor endangered species condition
			Emphasis Planning general working plan (RKU) and annual working plan (RKT)	Evaluating forest management SOP
			Cooperative landscape management	Reporting stakeholders activities
3	Rare or endangered ecosystems	Cooperative landscape management	Reporting stakeholders activities	
		Law Enforcement and Establishment of Protected Areas in natural forest	Periodic patrol	

HCV	Sub Item	Definition	Management	Monitoring
4	4.1	Areas or Ecosystems Important for the Provision of Water and Prevention of Floods for Downstream communities	Law Enforcement and Establishment of Protected Areas in natural forest	Periodic patrol
			Maintain water level on peat forest/swamp	Measuring ground water level in peat areas, installing subsidence indicator and measuring the level
			Cooperative landscape management	Reporting the activities of each party. Vegetation monitoring in border region
	4.3	Areas that Function as Natural Barriers to the Spread of Forest or Ground Fire	Law Enforcement and Establishment of Protected Areas in natural forest	"spot-check" survey and buffer zone forest patrol by production and logging team and forest fire unit
			Community awareness on the danger of slash and burn	Reporting system concerning the activities and how to open a forest area
			Optimizing community based fire management	Doing a "spot-check" survey on the results of the Production Team and logging and forest fire unit
			Enrichment with local species	Conducting a survey in the area of biodiversity conservation
5		Natural Areas Critical for Meeting the Basic Needs of Local People	Collaborative management of sub-watershed Gaung with companies around the area and communities	Regular meetings involving companies that exist in the region and involving government and society
			Community awareness on the importance of forest	reports for activities and the attendance of participants
			No land conversion on HCV 5 around the villages by companies as well as community	Field verification by conducting interviews with local community and field visits
			Establishing honey bee habitat area	Field verification by conducting interviews with local community and field visits
			Developing sustainable community development	Participatory evaluation methods of community development
			Participatory mapping to finalize HCVA 5	Reporting for mapping community meetings
6		Areas Critical for Maintaining the Cultural Identity of Local Communities	Further identification and delineation of HCV	Questionnaire and interview with a sample of local members and the existence of document mapping.
			Reactivate local tradition	Field visits



Map Summarizes no Land Clearing and HCV management areas of MHJ

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