

RSPO

**RSPO New Planting Procedure
Summary Report of Planning and Management**

PT Agro Indomas (East Kalimantan)

**Penajam Paser Utara Regency
East Kalimantan
Indonesia**

1. Executive Summary

PT Agro Indomas-East Kalimantan (PT AIEK) is a subsidiary of Goodhope Asia Holdings Ltd., which has been registered as RPSO member, committed to develop a sustainable palm oil management system. PT AIEK has conducted the Social Environment Impact Assessment (EIA/AMDAL), High Conservation Value (HCV) identification and Social Impact Assessment (SIA) as required base on RSPO Principle and Criteria.

PT. AIEK is located in District of Sepaku, Penajam Paser Utara, East Kalimantan Province and surrounded by some villages: Pemaluan, Bumi Harapan, Sukaraja, and Tengin Baru. PT Agro Indomas East Kalimantan get location permit based on Head of Penajam Paser Utara Decree No. 460.1/129/BPN-44.4/2004 covering around 17.500 ha. Location Permit was already revised and extended several times. The last extension of location permit was made on 2010 with decree No. 545/049-INLOK/1/2010 in 18 January 2010 covering about 5.151 ha area, and revised again with the decree of Penajam Paser Utara No. 522/193-INLOK/EKONOMI/VII/2011 in 5 July 2011 and covering about 6.767 ha area. PT. AIEK is still on the progress to conduct a cadastral mapping with the National Land Authority (BPN) due to the process of obtaining forest release permit from Ministry of Forestry. PT AIEK has no Logging Permit, because it is not required in the process of land clearance due to potential logging timber is less than 20% on its location permit and the company has already opened the land before Minister of Forestry release IPK regulation.

PT. AIEK has conducted a Social and Environmental Impact Assessment (AMDAL). The AMDAL document was approved by The Regent of Penajam Paser Utara through the Decree No. 660/342/2009 dated 15 December May 2009. PT. AIEK has also conducted High Conservation Value (HCV) identification and Social Impact Assessment (SIA) The HCV and SIA assessment had been conducted by the Faculty of Forestry, Institut Pertanian Bogor (IPB), Consultants Team; the key consultants conducting these assessments are approved by the RSPO. The combination of AMDAL together with HCV and SIA provides the geographical information of the area, the biodiversity and natural resources, the required best management practices and therefore provides the management with the platform on which the management plans for new planting was based on.

The High Conservation Value Area (HCVA) Assessment of PT. AIEK was prepared by Assessor from Faculty of Forestry, Institut Pertanian Bogor (IPB). The team was consist of 4 (Four) RSPO-Approved assessors and led by Ir. Nyoto Santoso, MS. The assessment was carried out from October to November, year 2009; The locations of villages studied included Pemaluan, Bumi Harapan, Sukaraja and Tengin Baru. The methods of HCV area

identification were accordance with a Toolkit for Identification High Conservation Values in Indonesia version 2 (2008) and RSPO Principles and Criteria. The HCVA assessment result showed that there is no primary forest the Permitted Area (Izin Lokasi) of PT AIEK. The result also showed there are 7 (seven) type of HCVA that had been identified, namely HCV1 (HCV1.1 and HCV1.3), HCV2 (HCV2.2 an HCV 2.3), HCV3 and HCV4 (HCV4.1 and HCV4.3) with total HCVA 2270,27 Ha (33,55% of PT. AIEK concession area.

PT. AIEK has already conducted the Social Impact Assessment (SIA) on the year 2009. The SIA Assessment was prepared by consultant team from Faculty of Forestry, Institut Pertanian Bogor. The assessor team was consisted of 8 (eight) persons and led by Ir. Nyoto Santoso. The result of this assessment identified that PT. Agro Indomas-East Kalimantan influence positive impact to the surrounding community such as realization of plasma program, employment opportunity, better social facility and improvement for the quality and facility of clean water. The SIA assessment has also recommended for the company to involves Government officials, customary leaders, land owners or cultivated land owners in the compensation process, and the corporate social activity's plan should be focused to develop public villages facilities and other productive activities. The assessment has found that the company identified local people lands and implemented concept of FPIC process before carrying out land compensation.

List of Abbreviation

BPN = National Land Authority

CSR = Corporate Social Responsibility

EHS = Environmental, Health and Safety

EIA = Environmental Impact Assessment (*Analisis Mengenai Dampak Lingkungan*)

FGD = Focus Group Discussion

FPIC = Free, Prior, Inform, Consent

HCV = High Conservation Value

HGU = Land Use Title (*Hak Guna Usaha*)

HTI = Industrial Plantation Forest (*Hutan Tanaman Industri*)

IPB = Bogor Agricultural University (*Institut Pertanian Bogor*)

IUP = Plantation Business Permit (*Izin Usaha Perkebunan*)

KBK = Forest Cultivation Area

KBNK = Non-Forest Cultivation Area

MCK= Public Toilet (*Mandi Cuci Kakus*)

NGO = Non-Governmental Organization

NPP = New Planting Procedure

PMA = Foreign Investment (*Penanaman Modal Asing*)

PT. AIEK= PT. Agro Indomas-East Kalimantan

RSPO = Roundtable on Sustainable Palm Oil

SIA = Social Impact Assessment

2. Reference Documents

2.1. List of Reports

a. *“Analisis Mengenai Dampak Lingkungan Hidup (AMDAL) Usaha Perkebunan Kelapa Sawit- PT Agro Indomas, Kelurahan Pemaluan, Kecamatan Sepaku, Kabupaten Penajam Paser Utara Provinsi Kalimantan Timur”* by CV Agronusa Consultant, 2009.

b. *“Rencana Pengelolaan Lingkungan (RKL) dan Rencana Pemantauan Lingkungan (RPL)- PT Agro Indomas, , Kelurahan Pemaluan, Kecamatan Sepaku, Kabupaten Penajam Paser Utara Provinsi Kalimantan Timur”* by CV Agronusa Consultant, 2009.

c. *“Identifikasi dan Analisis Keberadaan Nilai Konservasi Tinggi (NKT) PT Agro Indomas, Propinsi Kalimantan Timur”* by Faculty of Forestry HCV Team, IPB (Bogor Agriculture University), Published on November 2011.

d. *“Kajian Dampak Sosial PT Agro Indomas, Propinsi Kalimantan Timur”* by Faculty of Forestry Team, IPB (Bogor Agriculture University), Published on December 2011.

2.2. List of legal documents, regulatory permits, and property deeds related to the area assessed

The Document that related to New Planting Procedure of PT. AIEK includes:

1. Environmental Impact Assessment (EIA/AMDAL) of PT. AIEK
2. High Conservation Value (HCV) Assessment of PT. AIEK
3. Social Impact Assessment of PT. AIEK

The regulation or permit document that related is show in the below table.

Table 1. List of legal documents, regulatory permits, and property deeds related to PT.AIEK

No.	License and Recommendation	Issued By	Number	Note
1.	Deed of Establishment	Notary Enirmaya Agoes Suwarno, SH	No. 69	28 th September 1995
2.	Location Permit	Head of Penajam Paser Utara	No. 460.1/129/BPN-44.4/2004 with total area 17.500 Ha	06 July 2004
3.	Revised of Location Permit	Head of Penajam Paser Utara	No. 460.1/437/Tu-Pim/702/Eko/VII/2007 with total area 5.796 Ha	07 July 2007
4.	Revised of Location Permit	Head of Penajam Paser Utara	No. 500/218/ Ekonomi/ VII/2008 with total area 5.151 Ha	07 July 2008
5.	Revised of Location Permit	Head of Penajam Paser Utara	No. 545/049- INLOK/EKONOMI/II/2010 with total area 5.151 Ha	18 January 2010
6.	Plantation Business Permit (IUP)	Head of Penajam Paser Utara	No. 11 Year 2006 with total area 5.796 Ha	20 December 2006
7.	Environmental Permit	Head of Penajam Paser Utara	No. 660/342/2009	15 December 2009
8.	Revised of Location Permit	Head of Penajam Paser Utara	No. 522/193- INLOK/EKONOMI/VII/2011 with total area 6.767 Ha	05 July 2011
9.	Review of Forest Area Against PT. AIEK Location Permit	The Central Forest Region IV (BPKH), Ministry of Environmental and Forestry	No. S.25/BPKH IV-2/ 2015	14 January 2015



Figure 1. Map of PT. AIEK concession in Indonesia Region



PT AIEK Location in Kalimantan Island



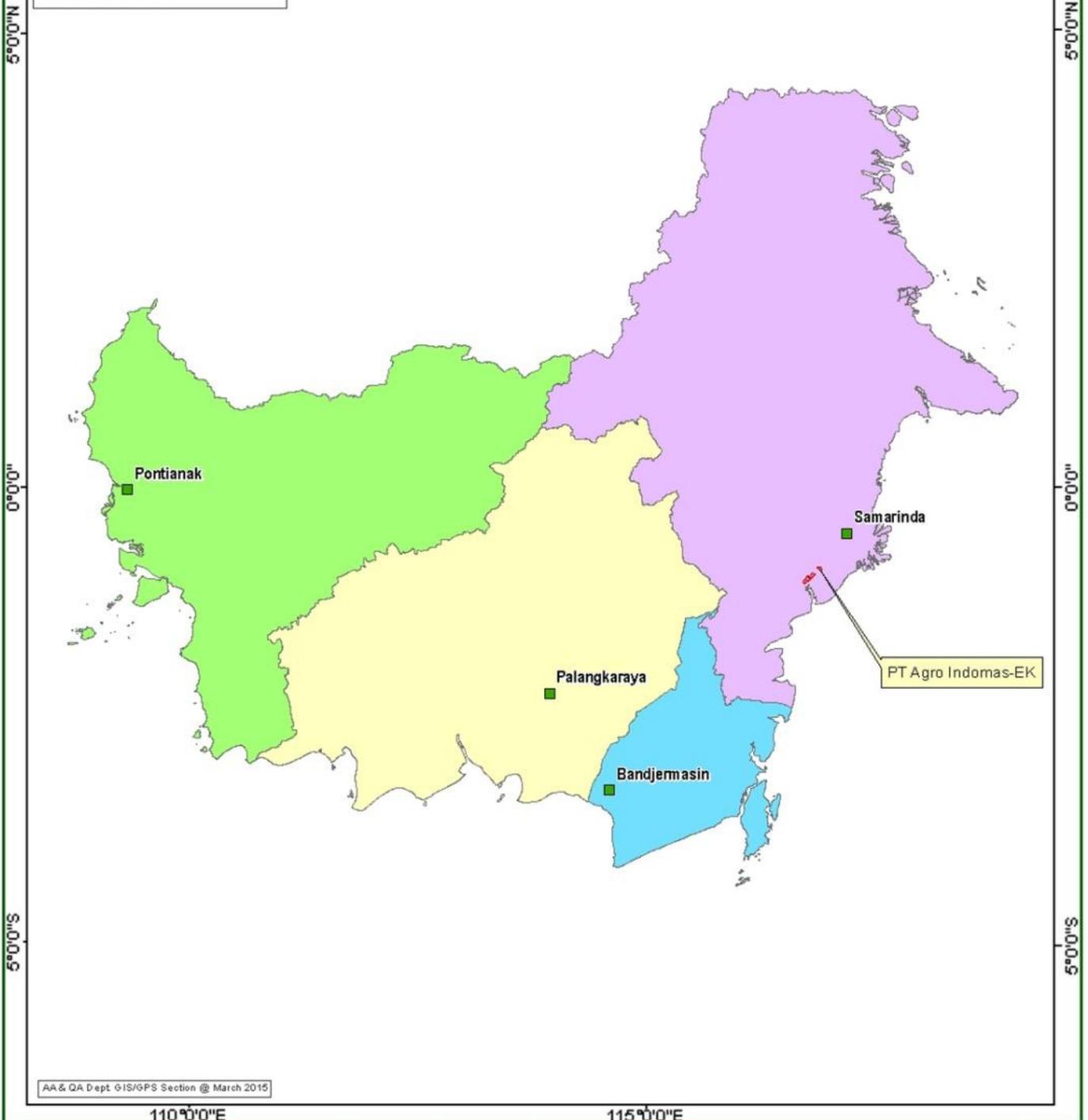
110°0'0"E

115°0'0"E

Legend

- Ibu kota provinsi
- Kalimantan Barat
- Kalimantan Selatan
- Kalimantan Tengah
- Kalimantan Timur

Source Map :
PTAIEK Geodatabase



AA & QA Dept GIS/GPS Section @ March 2015

110°0'0"E

115°0'0"E

Figure 2. Map of PT AIEK concession in Kalimantan Island

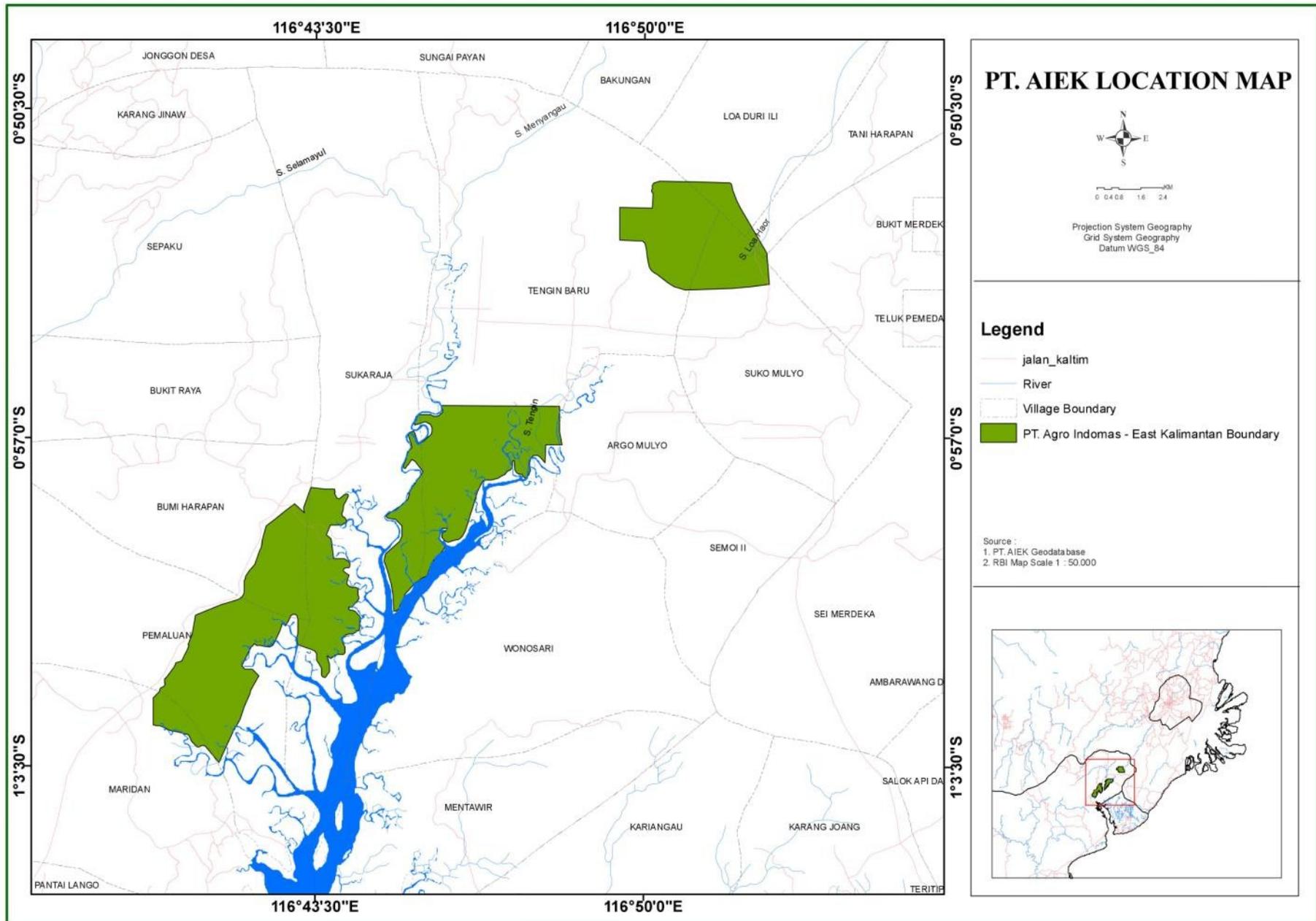


Figure 3. Location of PT AIEK in Penajam Paser Utara Regency, East Kalimantan Province, Indonesia

2.4. Area of new plantings and time-plan for new plantings

PT AIEK proposed new planting area in the area of this Location Permit. At the time of this report made, the company is in ongoing activities for clearing and planting. The company started planting since the March, year 2007, and 1.747,85 Ha has been planted until 2009. Beginning from the year 2010, company had practiced selective planting for 878,7 Ha without endangering identified HCV area. The process of land development and planting have followed the RSPO New Planting Procedures (NPP). Company still have land within its location permit to develop in the future with total of area is 1.355,18 Ha and there is no identified HCV areas being included in the new proposed development plan (see the new planting plan map below-Fig 7).

The company also had already develop plasma area in its existing planted areas with total size around 315 Ha, which consists of 130 Ha plasma located in the Loa Haur Division and 185 Ha located in the Bumi Lestari Division (see figure 5). Furthermore, there will be an additional plasma area around +64 Ha included in the proposed new planting plan area. The Detail of new planting area is showed in the following table and figure.

Table 2. PT. AIEK Planting Area in the 2007-2009 Periods

PT. AIEK Concession	Year				Total (Ha)
	2006	2007	2008	2009	
6.767	-	673,46	289,94	784,45	1.747,85

Table 3. Time plan for New Planting in PT AIEK

PT. AIEK Concession	Year				Total (Ha)
	2010	2011	2012	2013	
6.767	603,59	121,50	145,98	7,63	878,70

Table 4. Summary of PT AIEK New Planting Plan Area

PT AIEK Concession (Ha)	PT AIEK Planted Area (Ha)	PT AIEK HCV Area (Ha)	PT AIEK New Planting Plan Area (2016-2020) (Ha)
6.767	2.626,55	2.270,27	1.355,18

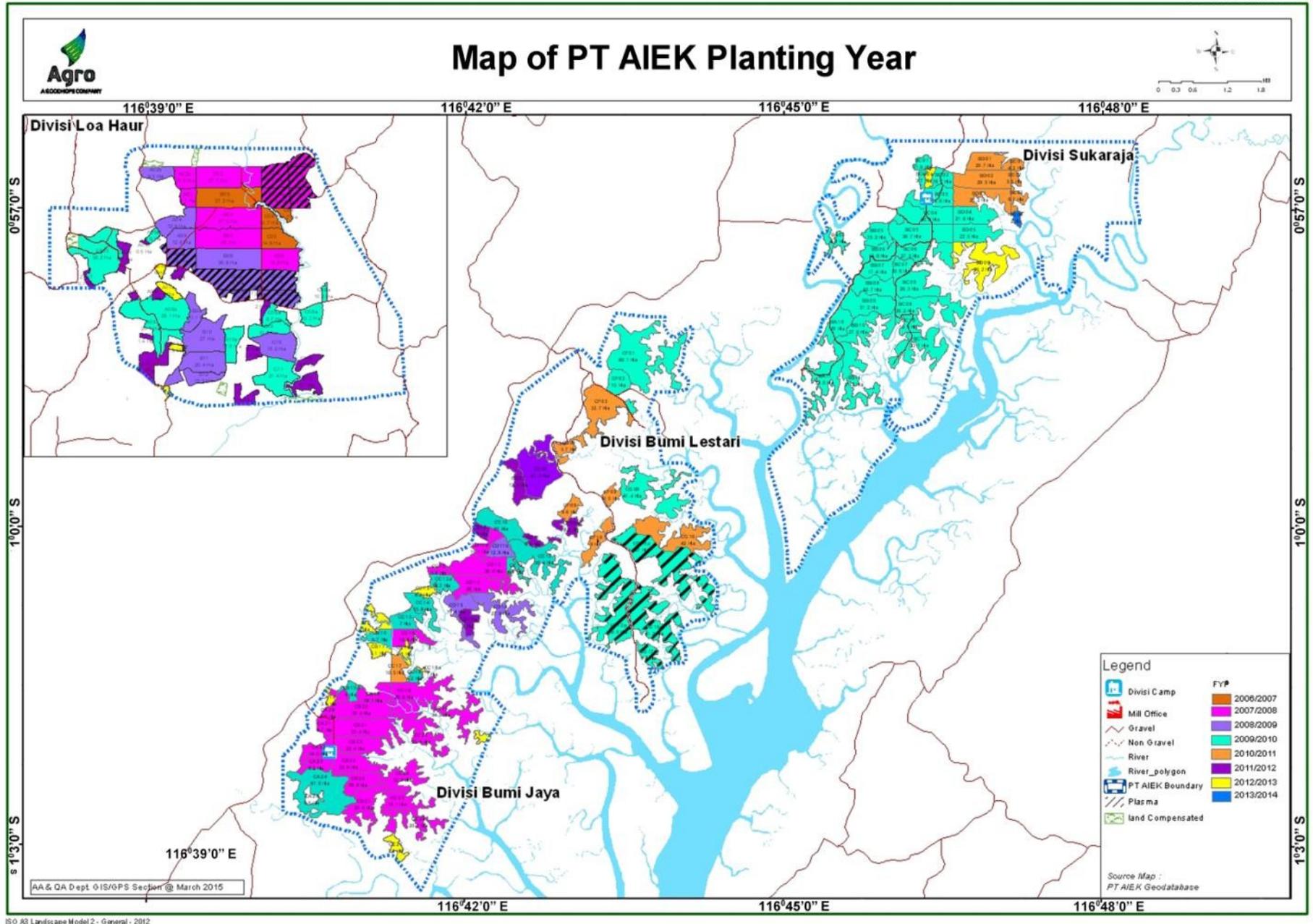
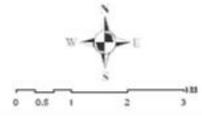


Figure 4. Maps of PT AIEK Planting Area



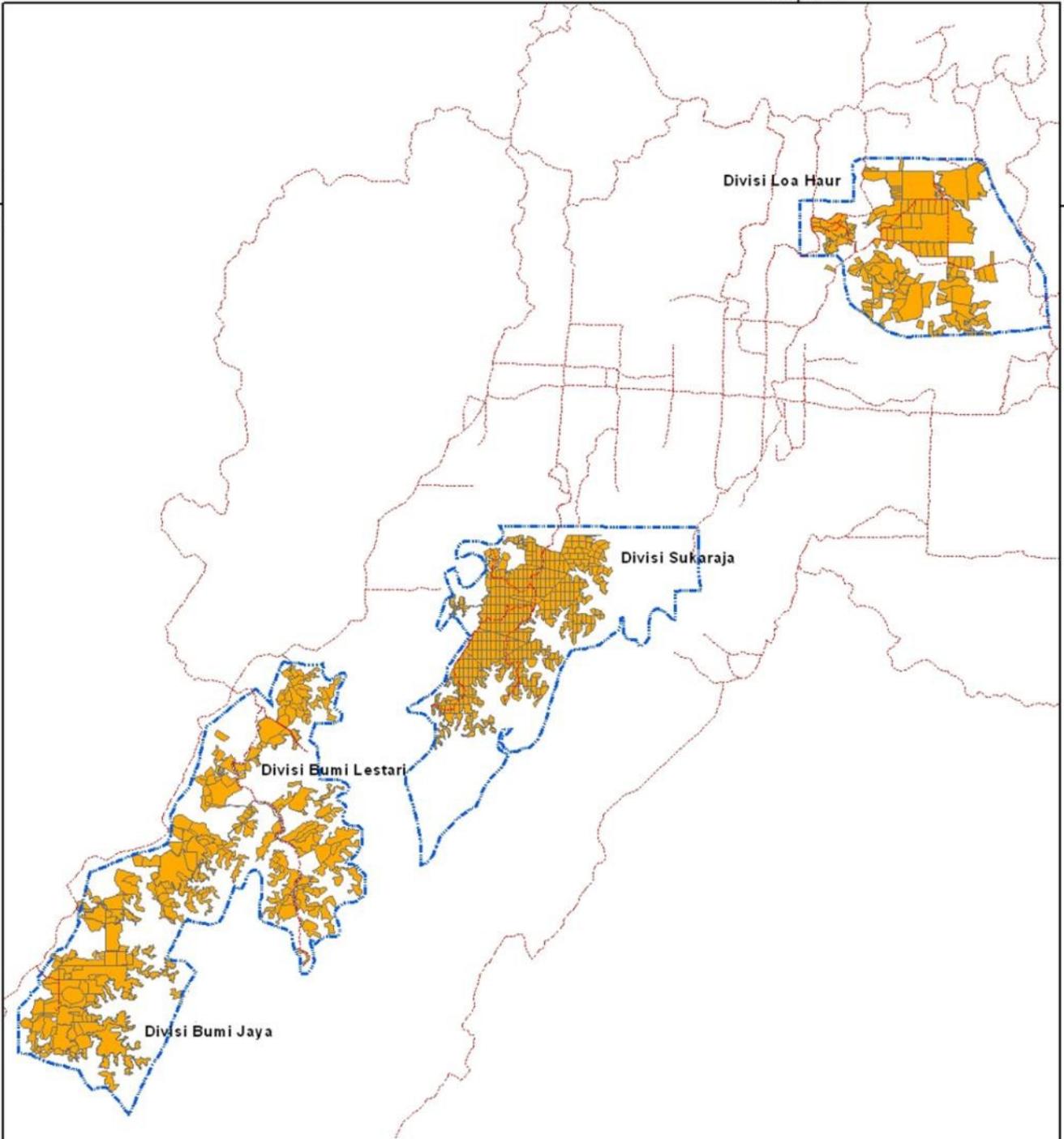
Land Compensation Map PT AIEK



116°49'30"E

0°52'30"S

0°52'30"S



Legend

-  Road
-  Location Permit 6767 Ha
-  Land Compensation

Source Map :
PTAIEK Geodatabase

AA & QA Dept GIS/GPS Section @ March 2015

116°49'30"E

Figure 5. Land compensation maps of PT. AIEK

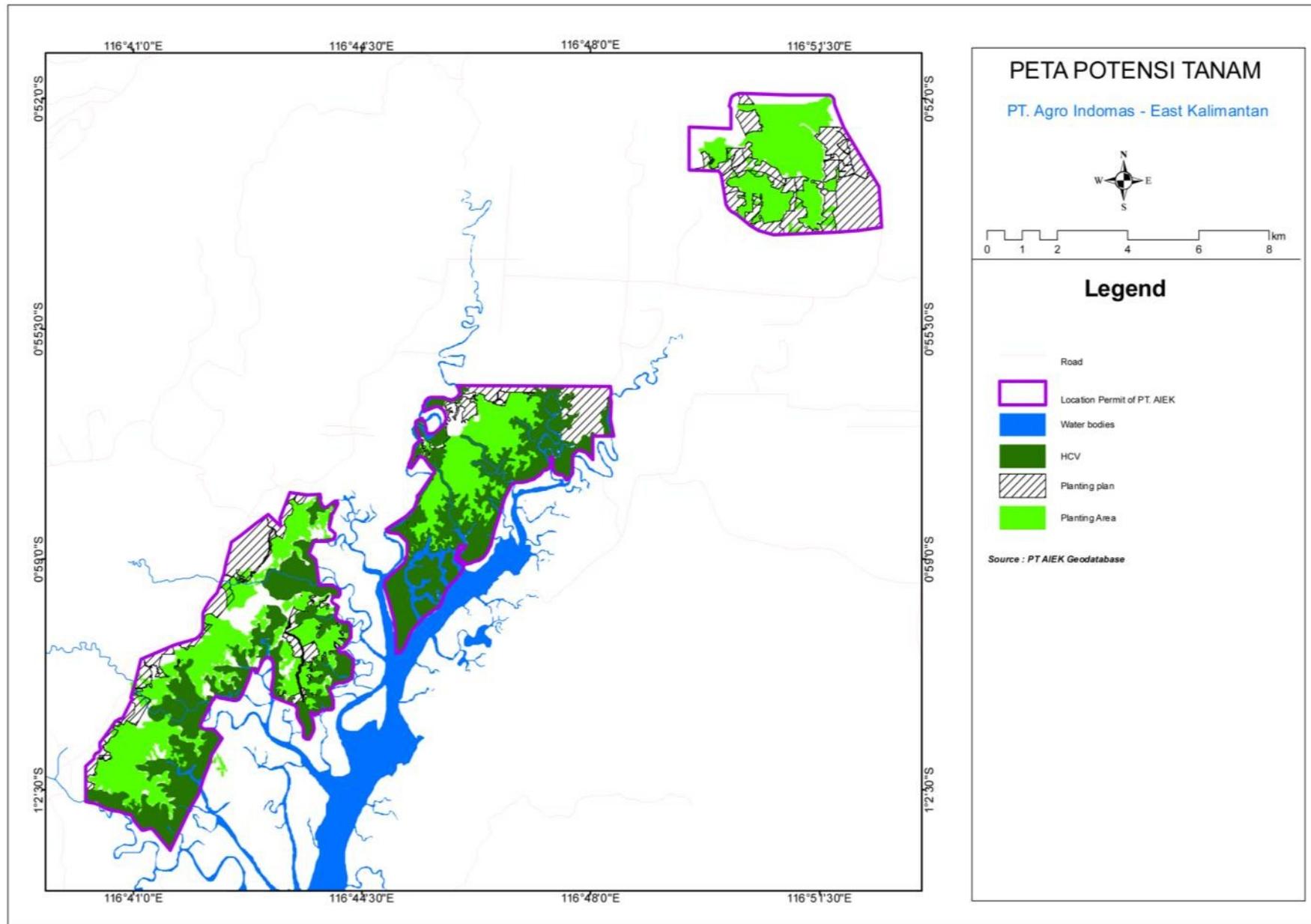


Figure 7. Map of New Planting Plan Area of PT AIEK

3. SEIA and HCV Management & Planning Personnel

3.1. Personnel Involved in planning and implementation of HCV and SEIA

The planning and implementation of HCV and SIA will lead by PT. AIEK General Manager and support by Environmental, Health and Safety (EHS) Team, Corporate Social Responsibility (CSR) Team and General Affair Department. The estate manager will also take a responsibility in implementing HCV and SIA result. The consultancy will be conducted with coordination of PT AIEK and sustainability team of Goodhope Asia Holdings, Ltd in Regional Office Jakarta.

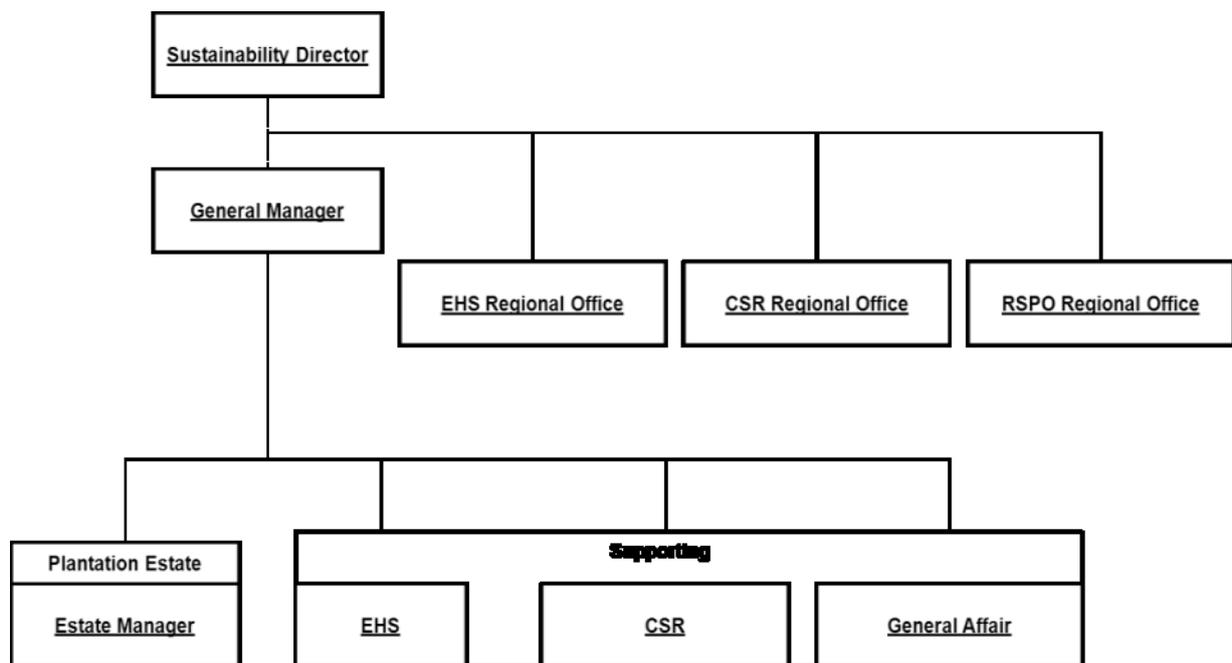


Fig 6. Personnel involved in planning and implementation in PT AIEK

3.2. Contact Persons

Contacts details of the company are as follows:

Company name : PT Agro Indomas
Address : Jl. Menara Global, 5th Floor, Jl. Jend. Gatot Subroto Kav. 27
Jakarta 12950
Location : Province: East Kalimantan
Regency: Penajam Paser Utara
District: Sepaku
Villages: Bumi Harapan, Pemaluan, Sukaraja, Tengin Baru

Contact Person : Mr. Wilton Simanjuntak
Telephone : Phone: +62-21-52892260 Fax: +62-21-52892259
Email : wiltons@goodhope-id.com
Deed in Corporation : Notary Buntario Tigris Darmawa NG, SH, SE No. 56 dated 13 March 2003
Capital Status : PMA (*Penanaman Modal Asing*)/ Foreign Investment Company
Status Business Land :

- Location Permit No. 460.1/129/BPN-44.4/2004 with total area 17.500 Ha
- Revised of Location Permit No. 460.1/437/Tu-Pim/702/Eko/VII/2007 with total area 5.796 Ha
- Revised of Location Permit No. 500/218/Ekonomi/ VII/2008 with total area 5.151 Ha
- Revised of Location Permit No. 545/049-INLOK/EKONOMI/I/2010 with total area 5.151 Ha
- Revised of Location Permit No. 522/193-INLOK/EKONOMI/VII/2011 with total area 6.767 Ha
- Plantation Business Permit (IUP) No. 11 Year 2006 with total area 5.796 Ha

Total Area of Location Permit : 6.767 ha

3.3. Stakeholder to be involved

The process of EIA, SIA and HCV development and preparation of management and monitoring plan PT AIEK was involved the consultation with related stakeholders, such as: Plantation Agency (Disbun), Forestry Agency (Dishut), Environmental Agency (BLH), Local Community, Local NGO, The Local Government (Village and District), and independent Consultant (IPB). Stakeholder consultation aimed to sharing information about EIA, HCV, and SIA management plan involving relevant stakeholder and respondents. The process of Stakeholder Consultation of EIA (AMDAL) was conducted in October 2008. The process of HCV and SIA stakeholder consultation was conducted in 24 September 2010.

Table 3. The list of stakeholder to be involved in the PT AIEK Development

Stakeholder	Main Interest
Direct Primary Stakeholder	
1. PT AIEK employee	1. Source of Income 2. Company Income 3. Meeting the labor rights
2. Smallholder farmers	1. Obtaining Plasma Area
3. Village Government	1. Employment 2. Social responsibility from PT AIEK 3. Village income and facility supported
4. Village Consultative Board	1. Employment 2. Social responsibility from PT AIEK 3. Village income and facility supported
5. Cultural Society	1. Land Accesibility 2. Source of daily need
6. Sepaku Community Care	1. Land Accesibility 2. Source of daily need
7. Team 9	1. Land Tenurial Conflict Mitigation
Indirect Primary Stakeholder	
1. Head of Regency	1. Administrative Areal Authority 2. Supporting Action 3. Leadership and Political Support
2. Non-Sectoral Local Agency	1. Land Development
3. Sectoral Agency	1. Sectoral Development
4. Self-ownership community plantation	1. Land Accessibility 2. Guidance counseling and mentoring
5. Local NGO	1. Partnership program
Secondary Stakeholder	
1. Central Government	1. National palm oil production stability 2. Tax Income 3. Continuity of Development 4. National stability
2. Official Security	1. Securing Are 2. Patrol Operation
3. University	1. Research and technology 2. Partnership
4. National and International NGO	1. Social Control 2. Program Partnership
5. Mass Media	1. Broadcasting news

Stakeholder	Main Interest
	2. Social Control
6. International Society	1. Sustainable Palm Oil Development

4. Summary of SEIA Management and Monitoring Plan

PT. Agro Indomas-East Kalimantan has conducted a Social and Environment Impact Assessment (AMDAL). The EIA study was approved by The Regent of Penajam Paser Utara through the Decree No. 660/342/2009 dated 15 December May 2009. This assessment was involved primary and secondary data collection, field environmental sampling, and survey with purposive proportional sampling, terrestrial studies, stakeholders interview, land use and impact to surrounding community, socio-economic study, health and cultural aspects data collection and reference was made to the national, sector and regional regulations.

a. Pre-Construction Stage

Company should manage and monitor an important impact of company activities at this stages is focusing on social and economic aspect such as the number and distribution of community population, income rate of community, work and business opportunity and public anxiety.

b. Construction Stage

In this stage, company should manage and monitor physical and chemical component (micro climate, soil, water and land fire potential); biological component (flora and fauna biodiversity and population) and also for social and economic aspect (work opportunity and income rate)

c. Operational Stage

The important impact that should be managed by company on this stage includes environmental aspects includes air quality, noise quality, soil characteristics, physical and chemical water quality. For social and economic aspect the important impact that should be managed by company includes work opportunity, income rate, public anxiety and potential conflict. In public health aspect, the company should manage some component includes the spread and contagion of disease, potential traffic accident, and occupational health and safety.

d. Post Operational Stage

In the post operational stage the company should manage some social and economic impact includes work opportunity, income rate, public anxiety and potential conflict

The assessment of Social Impact Assessment (SIA) study conducted in the Pemaluan, Bumi Harapan, Sukaraja, and Tengin Baru. This study identified negative and positive impacts on the environment and surrounding community of PT AIEK. Some of program plan had been recommended to be conducted by PT. AIEK's management in order to manage a raised up issue in the community and to build up a good relationship with all stakeholder. The summary of preparation and management plans on SIA are as follows:

Table 4. The summary of social environmental management and monitoring plans

No	Program	Management	Purposes	Output	Monitoring	PIC	Time Plan
1	Regulation Compliance	<ul style="list-style-type: none"> Propose Forest Area Release Permit from Ministry of Environmental and Forestry in the term of Cadastral Process Propose cadastral as a requirement in the Land Use Title process Propose to obtain "IUP-Pengolahan" 	<ul style="list-style-type: none"> To comply with all Government of Indonesia's Regulation requirement of palm oil plantation development (includes the area of new proposed planting area +-515 Ha) to resolve the overlapping land tenure by another entity 	All of required regulation regarding to palm oil development is comply (Forest Release permit, HGU, IUP-Pengolahan)	<ol style="list-style-type: none"> Meeting and coordination with Ministry of Environmental and Forestry Meeting and Coordination with National Land Authority (BPN) Regional Office and Head Office BPN Jakarta Meeting and Coordination with Penajam Paser Utara Government 	Land Expansion	2015-2018
2.	Land tenure conflict mitigation	<ul style="list-style-type: none"> Land inventory and mitigation for the claimed land of villagers that had been compensated by company 	To Identify the location and the size of local people's land inside PT AIEK location permit area.	<ol style="list-style-type: none"> Local people land ownership map for mitigating and resolving conflict process Land tenure conflict is solved 	<ol style="list-style-type: none"> Observation and interview with the land owner and the claimer Measuring and mapping area with involving village verification team Socialization the result of conflict resolution to surrounding community 	Public Relation, CSR Department, Conflict Mitigation and Prevention Manager	2010
3.	Realization Plasma Program	<ul style="list-style-type: none"> Inventory of location, size and land status for smallholders/ plasma's candidate Develop a participatory plasma program plan 	To realize plasma program for surrounding communities	<ol style="list-style-type: none"> Document of location, size and land status for smallholders/ plasma's candidate through a participative process Agreement between company and community in the process of plasma program development 	<ol style="list-style-type: none"> Continuous participatory communication with plasma cooperatives and community Documentation of all participatory communication process and evaluation of the inputted information from plasma cooperatives 	CSR Department	2010
4.	Improving	<ul style="list-style-type: none"> Conduct an economic potential 	To improve economic	1. Document of	1. Focus Group	CSR	2010-2015

No	Program	Management	Purposes	Output	Monitoring	PIC	Time Plan
	Economic Quality of Community	<p>analysis study for surrounding village community</p> <ul style="list-style-type: none"> • Capacity building of village community for developing entrepreneurship skill and alternative livelihoods • Strengthen of Organizational and Institutional plasma • Facilitate the potential and good willing youth for attend a training for their skill improvement on various aspects 	quality and capacity of PT AIEK's surrounding communities	<p>economic potential analysis of PT. AIEK's surrounding community</p> <ol style="list-style-type: none"> 2. Create an optimal income chance for surrounding community 3. Provide an alternative business opportunity to the community 	<p>Discussion (FGD)</p> <ol style="list-style-type: none"> 2. Descriptive evaluation of program 	Department	
5.	Infrastructure	<ul style="list-style-type: none"> • Improvement the infrastructure of roads and bridges 	Provide better accessibility to village's community in order to support community economic activities	<ol style="list-style-type: none"> 1. The road and bridge can be used by the community all the time, includes in the rainy season. 2. The community's economy can continue to running and increasing 	<ol style="list-style-type: none"> 1. Focus Group Discussion (FGD) 2. Documentation of road and bridge construction progress 	<p>CSR Department Civil Engineering</p>	2012
6.	Improving Educational Quality of Surrounding Community	<ul style="list-style-type: none"> • Develop an educational plan, for all level; kindergarten, elementary, junior high school until senior high school. • Developing educational facilities • Provide the scholarship program for potential student of village community 	To improve PT. AIEK's surrounding communities education level and increase community's interest in the educational aspect	<ol style="list-style-type: none"> 1. Communities Educational Quality Strategic Development Plan Document 2. Better educational facilities in the PT AIEK surrounding villages 3. Increasing educational quality level of the communities 	<ol style="list-style-type: none"> 1. Collaboration with independent and competent educational consultant to review Educational Quality Strategic Development Plan 2. Field observation of communities educational interest 3. Documentation of educational facilities improvement progress 	<p>CSR Department</p>	Start in the 2010
7.	Improving Health Quality of Village Community	<ul style="list-style-type: none"> • Conduct a study for issues and problem analysis related to village community's health quality 	To increase public health service in the terms of improving community's health	<ol style="list-style-type: none"> 1. Decreasing of disease /infection case 2. Increase live 	<ol style="list-style-type: none"> 1. Interview and field observation 2. Socialization for health 	<p>CSR and EHS Department</p>	Start in the 2010

No	Program	Management	Purposes	Output	Monitoring	PIC	Time Plan
		<ul style="list-style-type: none"> • Provide a periodic program for check and treatment of community • Socialization for hazardous disease to the community 	quality	expectation level 3. Increasing community's awareness regarding dangerous disease 4. Increase community's health quality level	program, 3. Provide Periodical health check & medicine		
8.	Build communication and network with all related stakeholders	<ul style="list-style-type: none"> • Regular meeting with all stakeholders • Publication on local mass media about company social activities 	To build a good relationship with all stakeholders includes surrounding community	1. Good communication and coordination with stakeholders 2. Same perspective in the development of palm oil between stakeholders and PT AIEK management 3. Positive campaign in the surrounding community for company development	1. Focus Group Discussion (FGD) 2. Documentation of all stakeholders meeting 3. Make an evaluation and follow up activity of stakeholders meeting result	CSR Department	2010
9.	Environmental Management program	<ul style="list-style-type: none"> • Evaluation of waste and pollution treatment • Maintaining and improving waste infrastructure • Monitoring river and air quality 	1. To manage the waste which is generated from PT. AIEK operational activities 2. To comply with environmental regulation standard	1. All of generated waste of palm oil processing is comply with environmental regulation standards 2. Environmental management and monitoring report	1. Conduct water and air emission monitoring periodically 2. Documentation and evaluation of all environmental aspect data in the PT AIEK (Palm Oil Mill Effluent (POME), hazardous, solid waste data and etc)	CSR and EHS Department	Every year, start in the 2010
10.	Employment improvement	<ul style="list-style-type: none"> • Improve employee understanding and knowledge about employment regulation • Upgrading the role and function of Labor Organization • Improve a health and safety work • Provide a Personal Protective Equipment Facility 	To improve knowledge and understanding about employment regulation, health and safety work	1. Increasing the employees knowledge and understanding of employment regulation 2. Zero Labor Strike 3. Increasing role and function of Labor Organization 4. Decreasing work	1. Regular Socialization and Focus Group Discussion with labor organization and employee regarding to labor regulation 2. Training and evaluation of employee safety work	CSR, EHS and HR Department	Continuously, 2010

No	Program	Management	Purposes	Output	Monitoring	PIC	Time Plan
				accident number 5. Labor regulation handbook	3.Documentation of work accident and its corrective action during company operation		

5. Summary of HCV Management and Monitoring Plan

The results of the HCV assessment showed that there are 7 (seven) types of HCV, namely: HCV 1 (HCV 1.1 and HCV 1.3); HCV 2 (HCV 2.1 and HCV 2.3); HCV 3 and HCV 4 (HCV 4.1 and HCV 4.3) in PT AIEK location permits (6.767 ha). The total HCV identified is about 2270.27 ha . The HCV location that managed by PT AIEK are:

Table 5. PT. AIEK High Conservation Value Area Location

HCV's	Component	HCV Present	Division	HCVA Location	Total Area (Ha)
HCV 1.1	Areas that Contain or Provide Biodiversity Support Function to Protection or Conservation Areas.	Present	Loa Haur	Mentoyo River	19,58
			Sisipan	Semoi-1 River Creek, Semoi-2 River Creek, Sepaku River Sambu River, River in Block A11,B11 River in Block C11 Mangrove	1.064,89
			Pemaluan	Pemaluan River, Semuntai River, Sabut River, Trunen River, Sabut River Creek, Trunen River Creek, Mangrove Area	1.185,8
HCV 1.2	Critically Endangered Species	Absent	-	-	-
HCV 1.3	Areas that Contain Habitat for Viable Populations of Endangered, Restricted Range or Protected Species	Present	Loa Haur	Mentoyo River	*)
			Sisipan	Semoi-1 River Creek, Semoi-2 River Creek, Sepaku River Sambu River, River in Block A11,B11 River in Block C11 Mangrove	*)
			Pemaluan	Semoi-1 River Creek, Semoi-2 River Creek, Sepaku River Sambu River, River in Block A11,B11 River in Block C11 Mangrove Area	*)
HCV 1.4	Areas that Contain Habitat of Temporary Use by Species or Congregations of Species	Absent	-	-	-
HCV 2.1	Large Natural Landscapes with Capacity to Maintain Natural Ecological Processes and Dynamics	Absent	-	-	-
HCV 2.2	Areas that Contain Two or More Contiguous Ecosystems	Present	Loa Haur	-	-
			Sisipan	Mangrove Area/Ecotone	*)
			Pemaluan	Mangrove Area/Ecotone	*)
HCV 2.3	Areas that Contain Representative Populations of Most Naturally Occurring Species	Present	Loa Haur	Mentoyo River	*)
			Sisipan	Semoi-1 River Creek, Semoi-2 River Creek, Sepaku River Sambu River, River in Block A11,B11 River in Block C11 Mangrove	
			Pemaluan	Semoi-1 River Creek, Semoi-2 River Creek, Sepaku River Sambu River, River in Block A11,B11 River in Block C11 Mangrove	
HCV 3	Rare or Endangered Ecosystems	Present	Loa Haur	-	-
			Sisipan	Mangrove and Ecoton areas	*)
			Pemaluan	Mangrove and Ecoton areas	*)
HCV 4.1	Areas or Ecosystems Important for the Provision of Water and Prevention of Floods for Downstream communities	Present	Loa Haur	Mentoyo River	*)
			Sisipan	Semoi-1 River Creek, Semoi-2 River Creek, Sepaku River Sambu River, River in Block A11,B11 River in Block C11 Mangrove Area	*)
			Pemaluan	Semoi-1 River Creek, Semoi-2 River Creek, Sepaku River Sambu River, River in Block A11,B11 River in Block C11 Mangrove Area	*)
HCV 4.2	Areas Important for the Prevention	Absent			

	of Erosion and Sedimentation				
HCv 4.3	Areas that Function as Natural Barriers to the Spread of Forest or Ground Fire	Present	Loa Haur	-	-
			Sisipan	Mangrove área, Mangrove Buffer	*)
			Pemaluan	Mangrove área, Mangrove Buffer	*)
HCV 5	Natural Areas Critical for Meeting the Basic Needs of Local People	Absent	-	-	-
HCV 6	Areas Critical for Maintaining the Cultural Identity of Local Communities	Absent	-	-	-
TOTAL HCV AREAS					2.270,27

The Summary of PT AIEK HCVA Management and Monitoring plan is presented on the following table.

Table 6. The summary of PT. AIEK HCVA management and monitoring plan

No	Program Plan	Activity	PIC	Time Plan
1	Peer Review HCV Document	<ul style="list-style-type: none"> Conduct a peer review for HCV document by independent competent reviewer 	EHS Department	2015
2.	HCV Area Management	<ul style="list-style-type: none"> Inventory and Identification of HCV Area 	EHS Department	2010
		<ul style="list-style-type: none"> Demarcation of HCV area boundaries 	EHS Department	2010
		<ul style="list-style-type: none"> Boundaries pole maintenance 	EHS Department	Every Year
		<ul style="list-style-type: none"> Flora and Fauna protection 	EHS Department	Start in the 2010
		<ul style="list-style-type: none"> Enrichment and rehabilitation 	EHS Department	Start in the 2010
		<ul style="list-style-type: none"> Socialization about HCV to local community 	EHS and CSR Department	Every Year
		<ul style="list-style-type: none"> Employee training 	EHS and HR Department	Every Year
		<ul style="list-style-type: none"> Develop a SOP for HCV Area management Build an organization structure for HCV Area management 	EHS Department	2010
		<ul style="list-style-type: none"> Coordinate with all related stakeholder 	EHS and CSR Department	Start in the 2010
3.	HCV Area Monitoring	<ul style="list-style-type: none"> Disturbance intensity of HCV area including fire hazard potential 	EHS Department	Every Month Start in the 2010
		<ul style="list-style-type: none"> Recent condition and density plant species biodiversity include protected and endangered species 	EHS Department	Every Month Start in the 2010
		<ul style="list-style-type: none"> Recent condition and density of wildlife species biodiversity include protected and endangered species 	EHS Department	Every Month Start in the 2010
		<ul style="list-style-type: none"> Realization of rehabilitation activity and percentage of rehabilitation coverage area 	EHS Department	Every Month Start in the 2010
		<ul style="list-style-type: none"> Change the width of the river River water quality 	EHS Department	Every Month Start in the 2010

Figure 7. Map of HCV Area in the Loa Haur Division

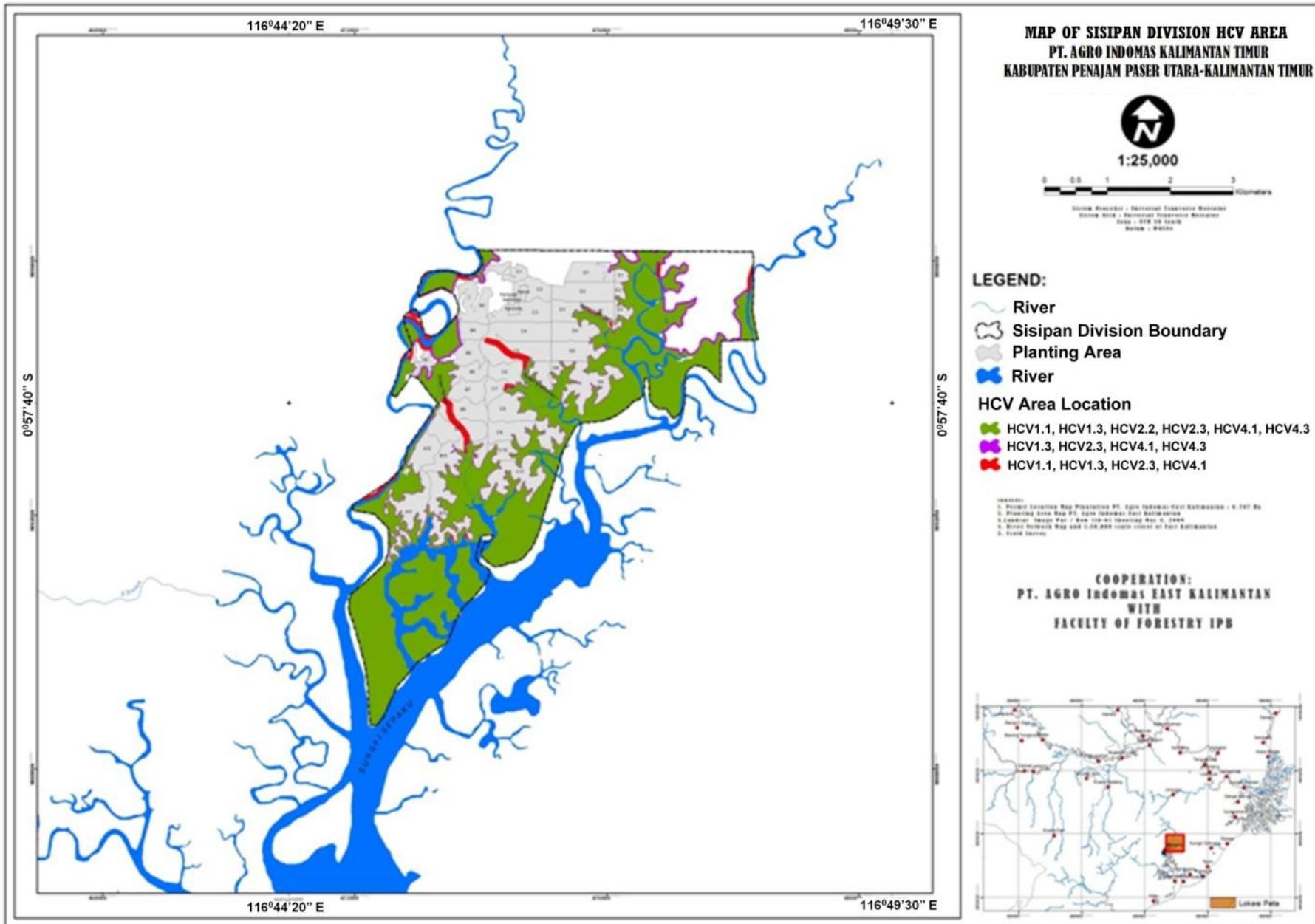


Figure 8. Map of HCV Area in the Sukaraja Division

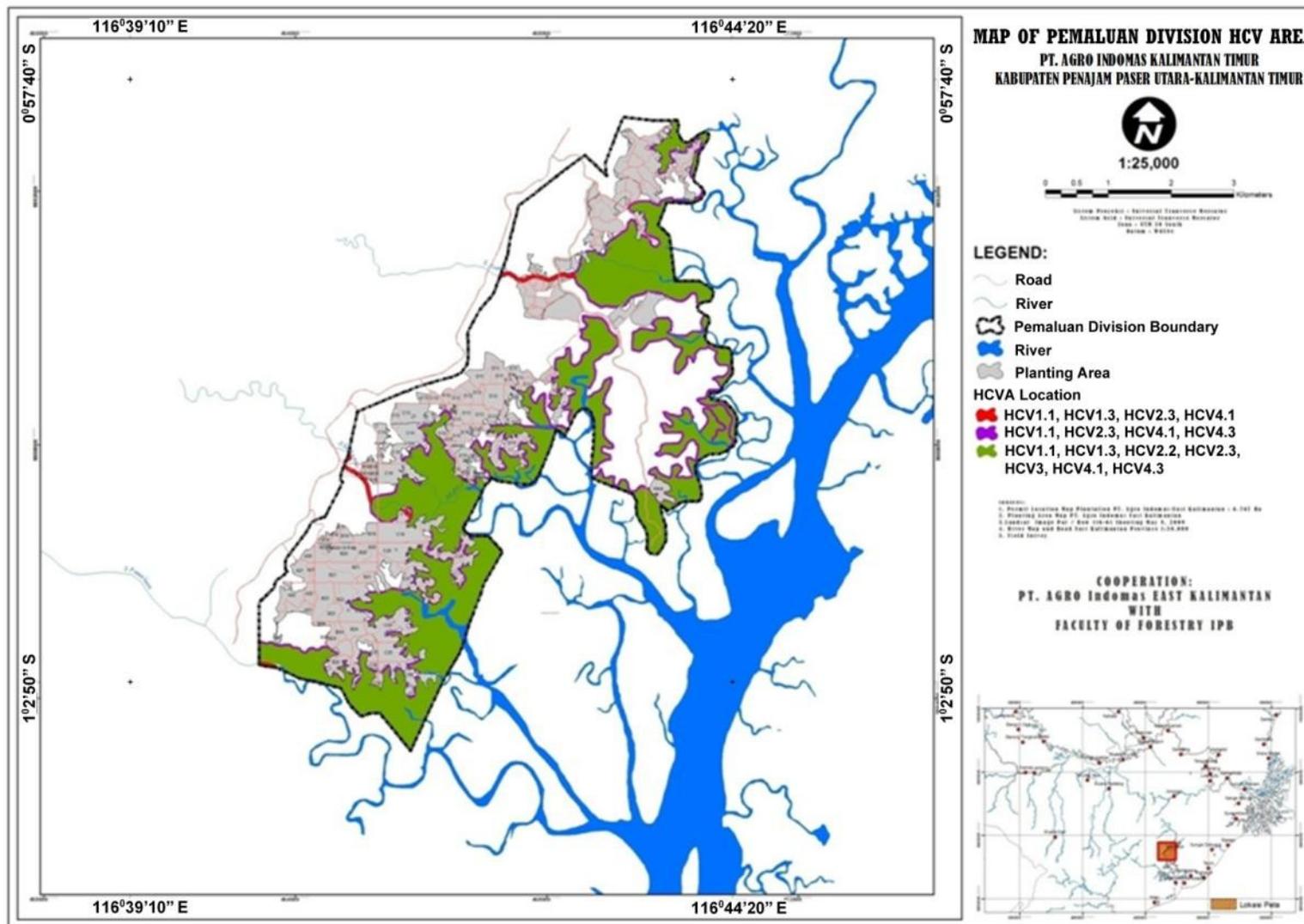


Figure 9. Map of HCV Area in the Pemaluan Division

6. Summary of PT. AIEK GHG Emission Reduction Strategy and Mitigation plan

The Analysis carbon stock and potential sources of GHG Emission of PT Agro Indomas-East Kalimantan, provides guidance for company to implement a strategy and measures to reduce the impact of its operations on climate change. PT AIEK management will implement strategy and mitigation plan of GHG emission reduction in order to reaffirm our commitment for improving the environmental sustainability of our business. The reason of calculating carbon footprint (GHG emissions) is to inform the development of effective strategies for reducing the group's net GHG emissions. This is the starting point for the development of more detailed policies and quantitative time bond targets for achieving GHG emissions reduction. The summary PT AIEK GHG emission reduction strategy and mitigation plan are as follows:

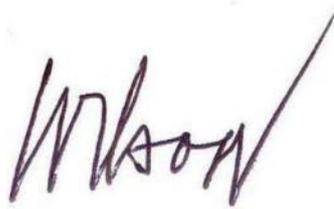
Table 7. Strategic and Mitigation Plan to reduce Green House Gas Emission of PT Agro Indomas-East Kalimantan

Sector	Identification of Emission Sources	Activities	Potential Mitigation Options
Plantation Operation	Land Clearing and Planting (Land Use Change)	Land Clearing (To clear the land/logged over land to allow palm oil planting)	<ol style="list-style-type: none"> 1. Adopting a zero burning land clearing methods 2. Adopting and Complying to the Procedure and Documentation which is Required for New Planting in Indonesian Regulation (EIA/AMDAL) and Other Standards (RSPO, ISPO, etc.) 2. No Land Clearing in areas which is identified as HCV area 3. Maintaining the HCV area as Carbon Stock /sequestration 4. HCV area Management and Enhancement 5. Conduct a routine Inspection and Patrol to avoid HCV disturbance and Forest Fire. 6. Socialization to employees and communities related with Green House Gas Mitigation program
		Heavy equipment for Land Clearing	<ol style="list-style-type: none"> 1. Routine Maintenance heavy equipment 2. Regularly emission test on heavy equipment 3. Socialization the impact of Green House Gas Emission to the worker
		Fertilizing/Manuring	<ol style="list-style-type: none"> 1. Effective fertilizing based on dosages and recommendation from Agronomy Department 2. No Fertilizing on Rainy Days 3. No fertilizing on Riparian Zone 4. Socialization to Worker the policy of Fertilizing in Company
	Harvesting and Maintenance	Fuel for Transport (FFB, Fertilizer, etc)	<ol style="list-style-type: none"> 1. Routine Maintenance for Transportation 2. Regularly emission test on Transportation vehicle 3..Socialization the impact of Green House Gas Emission to the worker
		Fertilizing/ manuring and Pesticide application	<ol style="list-style-type: none"> 1. Effective fertilizing and Spraying based on dosages and recommendation from Agronomy Department 2. No Fertilizing and Spraying on Rainy Days 3. No fertilizing and Spraying on Riparian Zone 4. Socialization to Worker the policy of Fertilizing in Company
		Integrated pest management to reduce and effectiveness use of pesticides and herbicides	<ol style="list-style-type: none"> 1. Actively monitor Pest-Diseases build-up and if so required 2. Implement an effective control measures in order to minimize the potential loss of yield due to outbreak; 3. Field Inspection before starting a spraying activity in order to select an appropriate equipment and herbicide use for specific condition

Sector	Identification of Emission Sources	Activities	Potential Mitigation Options
			<p>4. Seek an advice from Agronomy Advisor related to the use of any new Herbicides that are constantly coming onto the market</p> <p>5. Adopting a formulated Pest-Disease control strategy and biological control agents: Introduction of Barn Owl, Appropriate judicious weed management methods should be adopted and beneficial plants.</p> <p>6. No chemical use in Riparian</p> <p>7. Educate and awareness the worker regularly to implement good practices in chemical use activities</p>
	Housing Complex	Electricity management	Socialization to the employees to minimize and saving the electricity
		Decay Household waste in the Landfill	Hoarding Household Waste with land after the landfill is full.
Mill Operation	Processing and Transportation	Power Management: Fossil Fuel for Boiler and Generator set for electricity	<p>1. Regularly conducted emission test in Boiler and Generator Set</p> <p>2. Routine maintenance</p> <p>3. Using Shell and Fiber from FFB Process as a Boiler Fuel to reduce Fossil Fuel usage</p>
		Fossil Fuel for CPO and EFB	<p>1. Regularly conducted emission test in Boiler and Generator Set</p> <p>2. Routine maintenance</p>
	POME (Palm Oil Mill Effluent) Management	Digested POME (Liquid Waste)	1. Digested POME for Land Application to replace inorganic fertilizer (The location of application is around the Mill Location)
		EFB (Empty Fruit Bunches) Application	<p>1. Using EFB for Composting Program to replace inorganic fertilizer</p> <p>2. Using EFB for Mulching</p>

6. Internal Responsibility

This document is the summary report of Planning and Management in PT Agro Indomas East Kalimantan and has been approved by the Management of PT Agro Indomas East Kalimantan.

A handwritten signature in black ink, appearing to read 'Wilton', with a long, sweeping stroke extending upwards and to the right.

Wilton Simanjuntak

RSPO Manager