

Plan of Operations: 1.1.Management Framework Development

Activities	Expected results	FY					Organization in charge	Activity implementers	Materials and equipment	Notes	Progress (refer to the Key below)	Remarks		
		2004	2005	2006	2007	2008								
<p><i>The management framework of GHSNP is strengthened with involvement of all sectors concerned, and the visions for the management of GHSNP are shared by majority of the stakeholders</i></p>														
1.1.1.Develop GHSNP management plan							PHKA, GHSNP	GHSNP working group and JICA Experts	*Maps 1/50,000, *satellite images current and past), *GPS receivers, *compass, *altitude meters, *Laptop PC *Laser projector	Consultants may be composed of two ecologists, one social scientists, one lawyer and representative from PEMDA.	Finished	The original planning team was created May 2005, however, this team activity could not enter into real discussion due to weak leadership by the chairperson and weak coordination /initiative from the secretariate. The current planning team was created by the agreement from the internal workshop just between GHSNP and JICA team in May 2006.		
1.1.1.1.Prepare planning basis	GHSNP management planning basis is prepared.												<p>Light blue is plan of activities.</p> <p>Black is activities already implemented.</p>	
a.Appoint planning team members														
b.Scope of the task of PT														
b-1.Create TOR for planning team														
b-2Identify external consultants for PT														
c.Appoint consultants														
d.Define the planning process														
※Develop the basis/ideas for collaborative management of GHSNP	Foundation for collaborative management of Greater Halimun-Salak Area is strengthened.												<p>This pattern is activity already implemented, but this activity was not planned.</p>	
※Hold presentation/seminar on the project to stakeholders														
※Hold C/P training in Japan for decision makers of Kabupaten and PHKA														
※Study on collaborative management particularly with local government units														
Develop ideas for collaborative management														
※Hold workshop with PEMDA and TN														
※Develop strategy for collaborative management														
※Hold study tour on collaborative management														
※Develop Project brochure														
1.1.1.2.Develop Interim Management Plan	Interim Management Plan is developed.						Planning Team (PT) and JICA Experts		IMMP describes tentative measures until the Management Plan becomes effective.	Not be implemented	This sub activity did not get support from			
a.Identify key features and management objectives														
b.Determine interim measures by the time that Management Plan become effective														
1.1.1.3.Draft Interim Management Plan														
a.Input opinions from stakeholders														
b.Obtain approval for Interim Management Plan form PHKA														
c.Socialize IMP to stakeholders														
d.implement IMP														

3-1 65

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Activities	Expected results	FY2004					FY2005					FY2006					Organization in charge	Activity implementers	Materials and equipment	Notes	Progress (refer to the Key below)	Remarks
		01	02	03	04	05	01	02	03	04	05	01	02	03	04	05						
1.1.1.4. Gather data/information a. Identify data/information types b. Determine methods to gather data/information c. Collect data/information d. Evaluate data/information	Data necessary to MP are gathered and evaluated.																		Almost finished	*Collection of secondary information on GHS area: thesis, journal, scientific papers: (finished) *Land uses, vegetation, illegal sites from satellite image analysis (Info Team): Being implemented *Land uses/vegetation changes of GHS area since 1989 (Dr. Lilik: IPB): finished *Profile Survey all kampung in GHSNP (TN, Latin, PEMDA, FKMH under supervision Dr. Bowo IPB): 70% finished *Stakeholder Mapping (Haryanto: IPB): finished *Q & A on laws and regulation on GHSNP management (not finished) *Survey on Collaborative Park Management (Mr. Kubo): finished *Study on Community Issues inside national parks (IPB team): being implemented *Survey on Important habitats of GHSNP area (ES team): 30% finished		
	1.1.1.5. Analyze management policy																		Almost finished	The planning process involve main stakeholders except representatives from local people. It use Logical Frame Approach, which identify problems of the park and counter activities. Currently draft management plan is being created by small working group.		
	1.1.1.6. Identify and evaluate options including zoning	Measures and zonings are determined																	Not finished	These can be finished by the end of 2006		
	1.1.1.7. Integrate into a draft plan	Draft MP is created																	Not finished	These can be finished as scheduled in the PO, because the planning process has involved many stakeholders and it may reduce the time to coordinate with related sectors.		
1.1.1.8. Input opinions from related government agencies, stakeholders, and public	Opinions from sectors are																					
1.1.1.9. Revise draft and produce final plan	Draft MP is revised																					
1.1.1.10. Obtain approval for the plan	Revised MP is approved																					
1.1.1.11. Publish and implement the Management Plan	MP is published, distributed and implemented																					
1.1.2. Create GHSNP Steering Committee																						
1.1.2.1. Appoint Activity Team members and external consultants																						
1.1.2.2. Identify function and compositions of SC	Function and composition of SC																					
1.2.3. Draft TOR for the SC	TOR for SC is drafted																					
1.1.2.4. Appoint or make agreement with members of SC	Members of SC is appointed																					
1.1.2.5. Implement SC	SC is being implemented																					

3-2 66

The management framework of GHSNP is strengthened with involvement of all sectors concerned, and the visions for the management of GHSNP are shared by majority of the stakeholders

Plan of Operations: 1.2.Information Support System Development

Activities	Expected results	FY					Organization in charge	Activity implementers	Materials and equipment	Notes	Progress (refer to the Key below)	Remarks
		2004	2005	2006	2007	2008						
Information system and media necessary to the management of GHSNP are developed 1.2.1 To develop Database and Management Information System for the management of GHSNP 1.2.1.1.Appoint Activity Team members and external consultants ※Send NCIC staff (Ms Azizah) for C/P training (remote sensing techniques) in Japan 1.2.1.2.Identify design of GHSNP Data Base a.Review NCIC's Conservation Area Database b.Identify type of information to be included in DB ※Analyze data management of GHSNP and design computer system and institutional arrangement 1.2.1.3.Develop applications a.Develop spatial data base (GIS) application b.Develop non spatial database application c.Integrate the above two applications ※Develop hardware system development in HQ GHSNP and Section Offices 1.2.1.4.Collect, and enter data into the database systems a.Collect data from existing archives, monographs b.Collect data from the field b.1.Determine data collection methods b.2.Develop data collection techniques including GPS application b.3.Hold trainings on data collection from the field b.4.Collect data from the field c.Collect data from satellite images in cooperation with other organizations c.1.Propose NGOs and institutions to join GIS database development ※Formulate GIS developing unit in JICA Project Office ※Correct BAKOSULTANAL digital map ※Interpret (land uses) IKONOS image ※Survey field for ground control points (GCP) ※Provide necessary maps/data requested by other groups c.2.Determine land use categories							GHSNP and NCIC					
											Finished	There have been many changes in team members, which have resulted in less leadership of a team coordinator from GHSNP and late activity implementation. Dr. Lilik from IPB has supported the team particularly in GIS
		Database types and design are determined.						Activity Team, external consultants and JICA Expert	*Base Map: 1/250,000 *Digital map *Satellite images *GIS soft ware *Database soft ware *High speed Desktop PCs *GPS receivers *Hard disk drivers *Digital cameras		Almost finished	
		Spatial and non spatial database applications are developed.						Activity Team, consultant and JICA Expert			Not finished	So far JICA GIS unit has been using ArcGis for GIS data management, but it is not ideal for ordinary user, which needs appropriate interface to input data and analyze data. Since there is no programmer both in JICA and CP, database development needs to be outsourcing an external consultant.
											Almost finished	Hard ware system in HQ GHSNP was installed by the own budget. The most computers in GIS Unit in JICA project will be transferred to HQ GHSNP by the end of FY 2006.
		Necessary data are collected and entered into DBs.						Activity Team, consultant JICA Expert, and other organizations to join GIS database development		*GIS database need to be developed in cooperation with NGOs and other organizations related to GHSNP, and the database will be used all participating organizations. *Social economic surveys (all villages profile etc.)	Being implemented	This sub-activities are mainly done by Endangered Species and Monitoring Team
											Being implemented	This sub-activities have been done by GIS Unit in JICA project office under the supervision Dr. Lilik and Ibu Azizah: NCIC. There have been no involvement of NGOs due to limitation of computers, and personnel of GHSNP although its plan has been discussed and agreed by the park. Aside from these, there have been technical difficulties with the GIS unit, such as orthorectification and mozaiking the images of Ikonos and Quickbird, and data management. Although the team can get supervision from Dr. Lilik, it is very necessary to get support from expert on image processing and data management.

3-3 67

Plan of Operations: 1.2.Information Support System Development

Activities	Expected results	FY					Organization in charge	Activity implementers	Materials and equipment	Notes	Progress (refer to the Key below)	Remarks
		2004	2005	2006	2007	2008						
c.3.Hold training for participants from GHSNP and other organizations on GIS DB c.4.Draw land uses in GIS DB	Necessary data are collected and entered into DBs.						GHSNP and NCIC	Activity Team, consultant JICA Expert, and other organizations to join GIS database development	*Base Map: 1/250,000 1/25,000 *Digital map *Satellite images *GIS soft ware *Database soft ware *High speed Desktop PCs *GPS receivers *Hard disk drivers *Digital cameras	*GIS database need to be developed in cooperation with NGOs and other organizations related to GHSNP, and the database will be used all participating organizations. *Social economic surveys (all villages profile etc.)	Being implemented	This sub-activities have been done by GIS Unit in JICA project office under the supervision Dr. Lilik and Ibu Azizah: NCIC. There have been no involvement of NGOs due to limitation of computers, and personnel of GHSNP although its plan has been discussed
c.5.Create land use map (1/50,000 paper) and digital file c.6.Compile data											Need to implement	This sub-activity is not clearly indicated in the current PO, however, this is prerequisite to run the database in the organization.
※Develop data management system in GHSNP												
*Create Data Management Unit in GHSNP by SK *Develop data protocol												
*Train personnels in DMU and users of Database												
d. Process and analyze data												
e.Calculate values from counted parameters [total area, vegetation, population]												
f.Analyze date for identifying sensitive areas												
1.2.1.5.Evaluate and update data												
1.2.1.6.Hold training on handling database												
1.2.2. To develop appropriate method to identify the boundaries of GHSNP in the field							GHSNP and NCIC	Planning Team (PT), and JICA expert. It is hoped that technical officers of BAPLAN join the team.	*Maps: 1/50,000 and 1/25,000 *GPS receivers, *Altitude meters, *Differential GPS receiver. *Total station (Transit) and other associating items for measurement.	It is prerequisite to get necessary information from BAPLAN and PERHUTANI	Finished	Under Information Support System Team, Sub team for this activity was created. The team made by PHKA did not actively work to the boundary issue. Instead, the project has tried to work with Baplan, and its implementation body BPKA to clarify the boundary issue.
1.2.2.1.Appoint Activity Team members	AT is created.											
1.2.2.2.To support, & facilitate the team made by Conservation Area Bureau of PHKA	Collaboration with the team on boundary issues is established.											
a.Review the progress made by the team												
b.Follow up the team progress												
※Establish collaboration channel with BAPLAN and Perm Perhutani												
1.2.2.3.Review the current boundary delineation, demarcation system and identify problems	Obstacles and some technical problems on the current boundary delineation is revealed.										Being implemented	Boundary information on Perm Perhutani and Cegar Alam has not been completed, although the team has requested to related organizations.
a.Create a 1:50.000 map from 1:25.000 of BAKOSURTANAL & digital map 1:25.000												
b.Gather information on the national lands owned by the Ministry of Forestry and their												
c.Review the process of boundary delineation of GHSNP and identify problems to generate												
1.2.2.3.Propose alternative methods	Methods to feasibly identify boundaries in the field are developed.										partially being implemented	Currently, for each resort, a trial 1/10000 working map for each Resort is being created for helping filed officers to identify the boundary. For implement other items, the team has coordinated with BPKH to hold a workshop particularly to review the current boundary delineation system.
a.Gather descriptive information of boundaries of GHNP and GHSNP and verify their accuracy												
b.Develop temporary park boundary map which shows boundaries" accuracy level, and lat/long for maior post points												
c.Propose alternative park boundary delineation system												
d.Develop GPS application techniques for boundary delineation												
e.Propose facilitation of park boundary demarcation												
1.2.2.4.Monitor and evaluate alternative methods	The methods are evaluated and improved.										Not finished	
a.Monitor and evaluate alternatives methods												
b.Publish reports												
1.2.2.5.Hold Trainings on field data collection including skill for handling GPS, map reading, etc.												

3-4 68

Information system and media necessary to the management of GHSNP are developed

