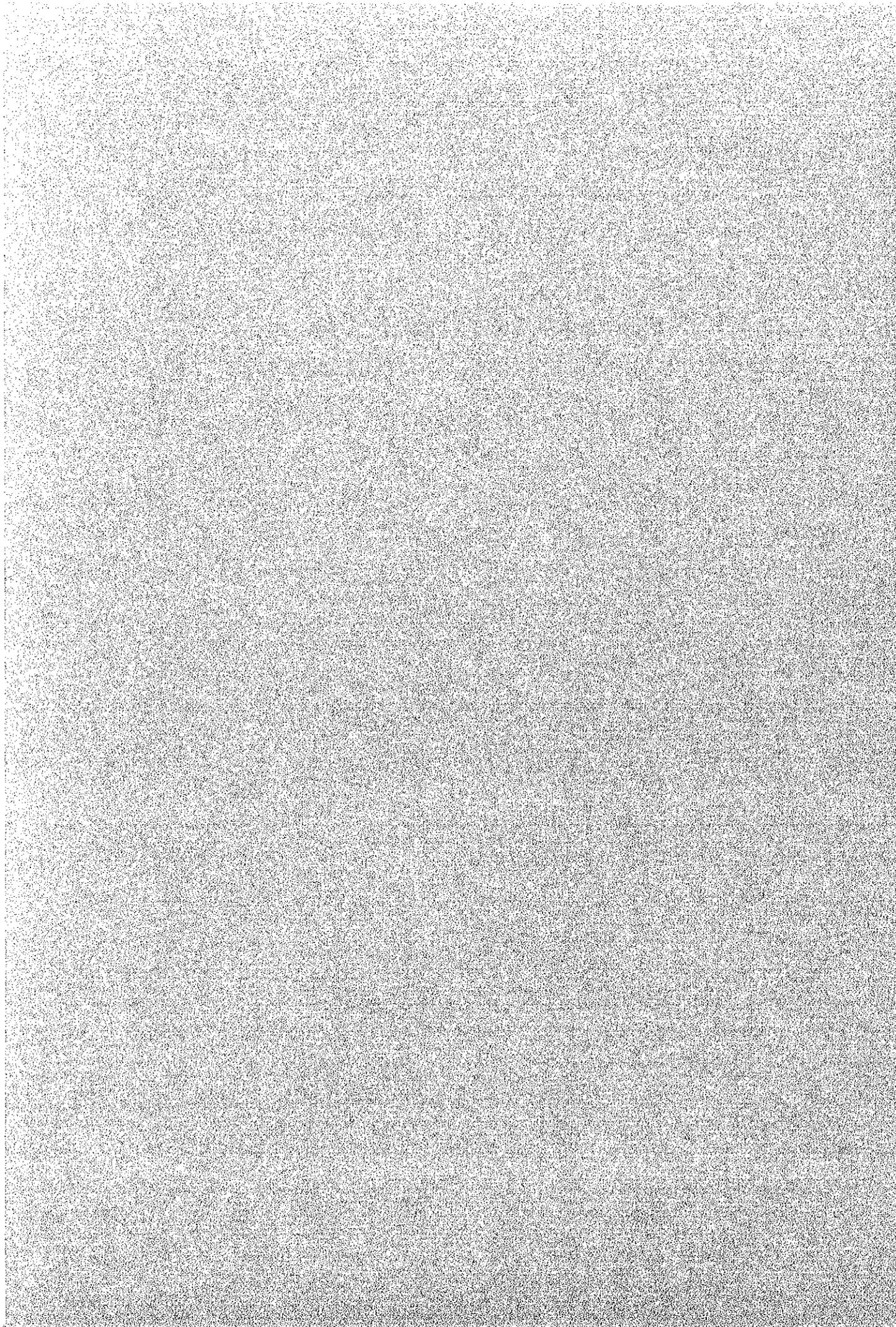


### 3. 面談者リスト



### 3. 面談者リスト

□ 在インドネシア大使館

粗 信仁	参事官	経済協力担当
塚原 健一	一等書記官	
井出 光俊	二等書記官	PHPA担当
高島 昌明	二等書記官	LIPI担当

□ JICAインドネシア事務所

岡崎 剛一郎	所長
熊谷 晃	次長
渡辺 学	担当所員
吉新 主門	担当所員
Ms. Shanti Dewi	担当所員

□ JICA専門家

和田 茂樹	PHPA	自然資源、国立公園管理
船橋 英夫	LIPI	科学技術政策
鋤柄 直純	LIPI	情報技術
大田 正豁	EMC	チーフアドバイザー

□ 国家開発企画庁 (BAPPENAS : National Development Planning Agency)

DR. Budhy Tjahjati S. Soegijoko	Assistant Minister for Community Participation and Integration in Development, BAPPENAS
Ir. Maruhum Batubara, MPA	Bureau of Marine, Aerospace, Environment, Science and Technology

□ インドネシア科学院 (LIPI : Indonesian Institute of Science)

生物研究開発センター (RDCB : Research & Development Center for Biology)

Mr. Aprilani Soegiarto	Vice Chairman
Dr. Soetikno Wirjdatmodjo	Head, RDCB
Dr. Mohammad Amir	Director, RDCB
Dr. Arie Budiman	Animal Ecology

Dr. Asep S. Adhikerana	Zoological Museum Bogor Botanical Garden (Animal Ecology-Bird Behavior)
Dr. Dedy Darnaedi	Botanist
Dr. Yayuk R. Suhardjono	Taxonomist of Insect
Dr. Siti N. Prijono	Lab. Zoology Div. (Animal Physiology)
Mr. Ahmed Jauhar Arief	RDCB

□ 海洋学研究開発センター (RDCO : Research & Development Center for Oceanology)

Dr. Anugerah Nontji	Director
Dr. H. Mohammad Kasim Moosa	Carcinologist (Taxonomy and Ecology of Marine Crustacea)
Drs. Indra Aswandy	Operation Coordinator

□ バイオテクノロジー研究開発センター (Research & Development Center for Biotechnology, Cibinong)

Dr. Made Sri Piana	Director
Dr. Stisna	
Mr. Kabinawa	Project Manager
Mr. Palmono	Information Service

□ 林業省森林保全・自然保護総局 (PHPA : Directorate General of Forest Protection and Nature Conservation, Ministry of Forestry)

Drs. Effendy A. Sumardja	Director of Conservation Programme
Mr. Wahjudi Wardojo	Head of National Park
Mr. Wandojo Siswanto, MSc.	Environmental Conservation & Planning Section for Program Preparation
Mr. Kuppin Sinbgim	Director of Conservation Program
Mr. Widarya Noer	Bureau of Foreign Cooperation
Mr. Didi Subandidinata	Gede Pangrango/Harimun National Park
Mr. Endos Koswara	Gede Pangrango
Mr. Suyatno Sukandar, Ir., MSc.	Section for Program Preparation
Mr. Sunaryo	Data-base Section

- The World Bank (IBRD)
  - Mr. H. Benjamin Fisher                      Head of Environmental and Social Impact Unit
  - Mr. Thamrin Nurdin                            Environmental and Social Institutions Specialist
  
- United States Agency for International Development (USAID)
  - Mr. Benjamin Stoner                           Office Advisor (Agro-Enterprise & Environment)
  - Mr. Jerry P. Bisson                            Forestry/Natural Resource Management
  - Mr. Alfred M. A. Nakatsuma                Mission Environmental Officer
  
- GEF Biodiversity Collection Project Technical Advisory Group
  - Mr. John S. Burley                            Team Leader, Technical Assistance Contract
  - Mr. Gary D. Alpert                            Environmental Health and Safety Advisor
  - Mr. John F. Peake                             Zoology Institutions Advisor
  - Ms. Judy G. West                             Botany Institutions Advisor
  - Ms. Mary J. Corrigan                         Environmental Health and Safety Advisor
  - Mr. Haryoto Kusnopranto                    Environmental Health and Safety Advisor
  
- Asian Development Bank (ADB)
  - Mr. Nice Eqmead                              ADB/TA Bio-diveristy Project PHPA
  - Mr. Tom Gilbert                                ADB/TA Bio-diveristy Project PHPA
  
- 環境省 (LH : Ministry of Environment)
  - Mr. Arief Yuwono                             Staff
  - Mr. Yani Asiani                                Staff
  
- 公共事業省 (PU : Department Pekerjaan Umum)
  - Mr. Lukman Kamil                             Director, Bogor District Office
  - Mr. Eman Sulaeman                           Bogor District Office
  - Mr. Dody Ismal                                Permit Section, Sukabumi District Office
  - Ms. Marcelina Rinny                         PUSDATA
  - Mr. Sri Sarwoasih                            PUSDATA
  
- Department Home Affair
  - Mr. Soebekti                                    Head of Subdirectrate of Environment Conservation

- Atelier 6 (Consultant of Master Plan for LIPI Life Science Complex, Cibinong)
 

Ir. Hersia Nurani	Director of Architecture Division
Ir. Panogu Silaban	Operation Coordinator
  
- Andersen Consulting
 

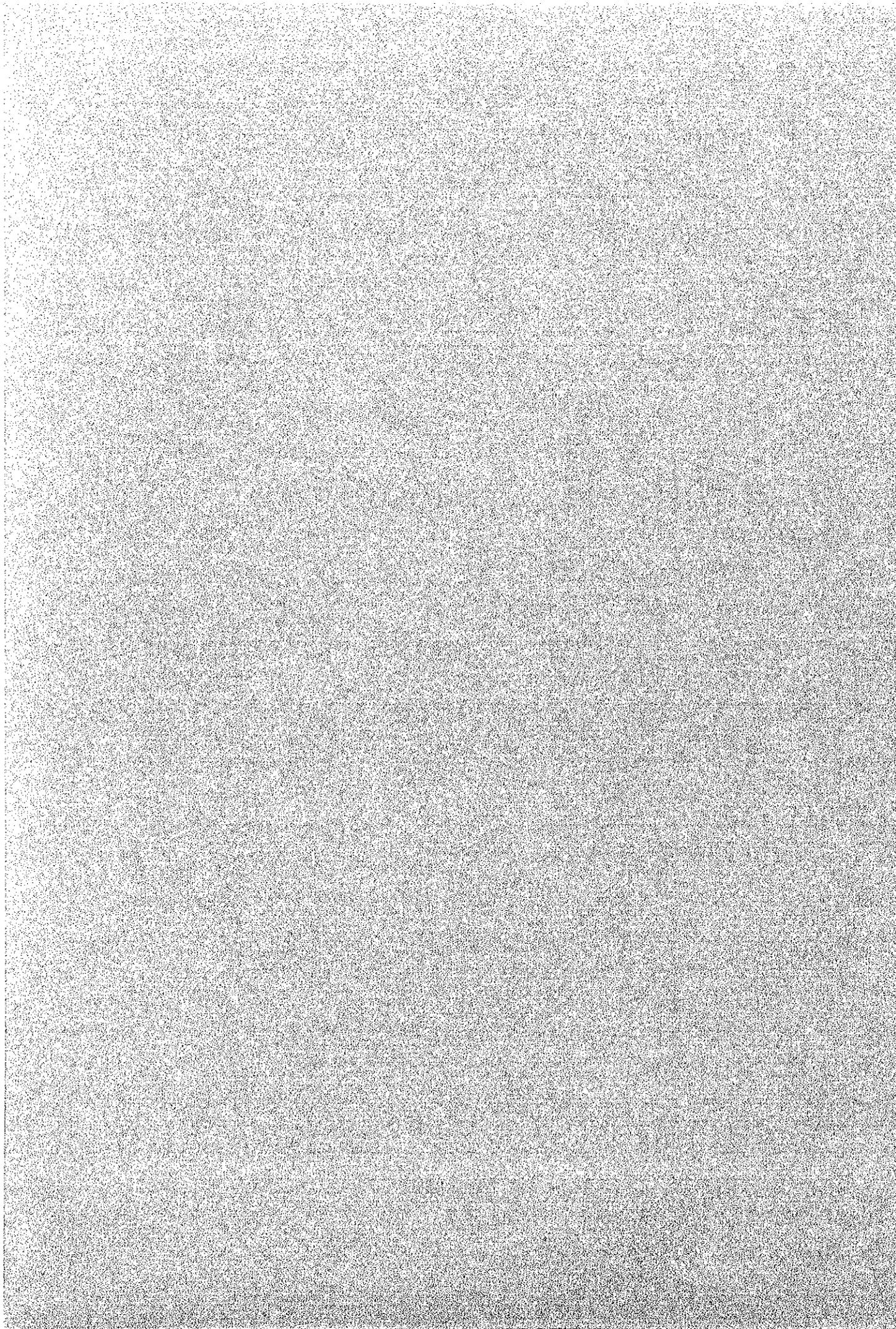
二川 宜也	アソシエイトパートナー
-------	-------------
  
- 運輸省気象局 (Meteorological and Geophysical Agency)
 

Mr. Abdul Gafur	Dept. of Communication
-----------------	------------------------
  
- Persahhan Umum Listrik Negara (PLN)
 

Mr. Amil Tahat	Permit Section, Bogor Branch Office
Mrs. Muliyanah	Permit Section, Sukabumi Branch Office
  
- Kantor Daerah Terekomnicasi (TELEKOM)
 

Mr. Tri Srubandoyo	Sukabumi Branch Office
Mr Djoko Bisowarno	Coordinator, Bogor Branch Office

#### 4. 世銀GEFとJICAによる活動区分



ACTIVITIES FUNDED BY GEF AND JICA

No.	G E F	Expected from JICA
1.	<p><b>EQUIPMENT AND SUPPLIES</b></p> <p><b>EQUIPMENT:</b></p> <p><b>1. <u>Central Management</u></b>  Photocopying machine  Personal Computers  Computer printers (B/W)  Modems  Mobile handphone  Fax machine  Air conditioning  Overhead projectors  PC overhead  Presentation board (etc.)  PC plotters  UPS  Library shelves  Library drawers</p> <p><b>2. <u>Botany Facility Center</u></b>  Air conditioning  Ceiling fans  Specimen storage cabinets  Cooling system  Trolleys  Freezers  Dissecting microscopes  Dark room equipment  Library shelving  Plant pressers  Field collection equipments  GPS</p> <p><b>③ <u>Zoology Facility Center</u></b>  Specimen storage cabinets  Wooden drawers  Carboard trays  Trolleys  Microscope slide cabinets  Insect mounting equipment  ◆ Refrigerators  ● Deep freezers  Dissecting microscopes (simple, high-power)  Microtome  Dark room equipment  Library shelving  GPS</p>	<p>Research equipment for Zoology and Microbiology.  Computer set (EWS for image processing, mapping, database management) and necessary accessories (printers, UPS, plotter, etc.).</p>

No.	G E F	Expected from JICA
	<p><b>4. <u>Information-System Center</u></b>  PC Servers  PC client/workstations  LAN-cards &amp; cables  WAN-cards &amp; cables  Printers (B/W)  UPS  PC-LAN units (Botany)  PC-LAN units (Zoology)  PC-LAN unit (Center)  PC-LAN hubs &amp; adaptors  Modem  Software (communication, commercial, database, system security)</p> <p><b>5. <u>Collaboration Services</u></b>  Personal computers  Printers  Modem  UPS  Office furniture</p> <p><b>SUPPLIES</b></p> <p><b>1. <u>Central Management</u></b>  Office supplies</p> <p><b>2. <u>Botany Facility Center</u></b>  Mounting papers  Species covers  Genus covers  Plastic bags  Glass jars  Preserving fluid  Herbarium sample boxes  Dark room supplies</p> <p><b>3. <u>Zoology Facility Center</u></b>  Preserving fluid  Glass jars  Glass specimen tubes  Universal bottles  Containers  Insecticides  Labels  Chemicals  Packing materials  Dark room supplies  Traps &amp; nets  Curatorial supplies  Protective clothing</p>	<p>Necessary supplies for research activities, especially in relation with the study done in Gn Halimun National Park (field work supplies and collection maintenance supplies, e.g. plastic bags, jars, alcohol, traps, nets, GPS, etc.)</p>

No.	G E F	Expected from JICA
2.	<b>BUILDING</b> Facility improvement for Herbarium	Zoological Building in Cibinong
3.	<b>HUMAN RESOURCE DEVELOPMENT</b>  1. <u>Botany Division</u> Training course for Project Coordinator for Botany, Collection Managers, field inventory & monitoring, and internal program.  2. <u>Zoology Division</u> Training course for Project Coordinator for Zoology, Collection Managers, field inventory & monitoring, and internal program.  3. <u>Information System</u> Training course for system manager.  4. <u>Scientific Collaboration &amp; Services</u> Graduate scholarship and language training for M.Sc. and Ph.D. for 18 persons.	Training course in agreed fields (taxonomy, ecology, physiology, etc.) and GIS operator. Experts in the agreed fields to do the cooperative studies in Ga. Halimun National Park.
4.	<b>INFORMATION SYSTEM</b>  System specification: - Database workshop - User-needs analysis - Functional requirement  Software Development/Support: - Technical design - Data model - Programming - System integration - Testing and commissioning  System management/data entry	Cooperation of experts in developing the information system in Puslitbang Biologi-LIPI.

5. LIPI、海洋学研究開発センター(RDCO)の標本数

5. LIPI, 海洋学研究開発センター(RDCO)の標本数

JUMLAH BIOTA LAUT YANG TERSIMPAN DI SEKSI INVENTARISASI BIOTA LAUT  
DIPERINCI MENURUT : KELOMPOK, BANGSA, SUKU, MARGA DAN JENIS.

No.	KELOMPOK	BANGSA	SUKU	MARGA	JENIS	KETER.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	KRUSTASEA 甲殻類	ANOMURA	4	7	9	} Dry 30% Wet 70%
		UDANG ALPHEID	1	6	79	
		UDANG NIAGA	4	26	91	
		STOMATOPODA	12	34	158	
		KEPITING	22	173	423	
2.	KORALIA サゴ	ANTHOZOA	18	91	471	} Dry
		HIDROZOA	1	1	8	
3.	MOLUSKA 貝類	GASTROPODA	60	201	792	} Dry
		PELECYPODA	41	107	304	
4.	EKHINODERMA- TA ヒトデ/ウニ	OPHIUROIDEA	9	18	42	} Wet
		ASTEROIDEA	10	18	34	
		EKHINOIDEA	12	19	23	
		KRINOIDEA	4	6	7	
		HOLOTHUROIDEA	2	4	8	
5.	ALGAE 海藻	KHLOROPHYTA	6	16	67	} Dry
		PHAEOPHYTA	6	11	33	
		RHODOPHYTA	18	39	100	
6.	IKAN *) 魚類	ELASMOBRANCHII	2	)	)	Wet
		TELEOSTOMI	147	)	311	
JUMLAH			379	1.058	3.629	

\*) Untuk Jenis Ikan sudah masuk ke daftar list ikan (Komputer).

Jakarta, 1 Januari 1994

Staf Seksi Inventarisasi  
Biota Laut,

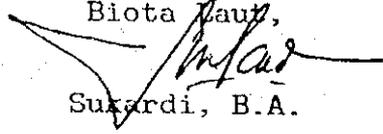
  
Sukardi, B.A.

JUMLAH JENIS MANGROVE DAN SEKUTUNYA YANG TERSIMPAN DI SEKSI  
 INVENTARISASI BIOTA LAUT  
 DIPERINCI MENURUT : KELOMPOK, BANGSA, SUKU, MARGA DAN JENIS.

No.	KELOMPOK	BANGSA	SUKU	MARGA	JENIS	KETER.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1,	MANGROVE マングロ-フ	POHON	18	26	42	} Dry
		PERDU	7	7	8	
		TERNA	5	7	9	
		LIANA	3	7	9	
		EPIFIT	10	24	29	
		PARASIT	1	2	2	
JUMLAH			44	73	99	

Jakarta, 1 Januari 1994

Staf Seksi Inventarisasi  
 Biota Laut,

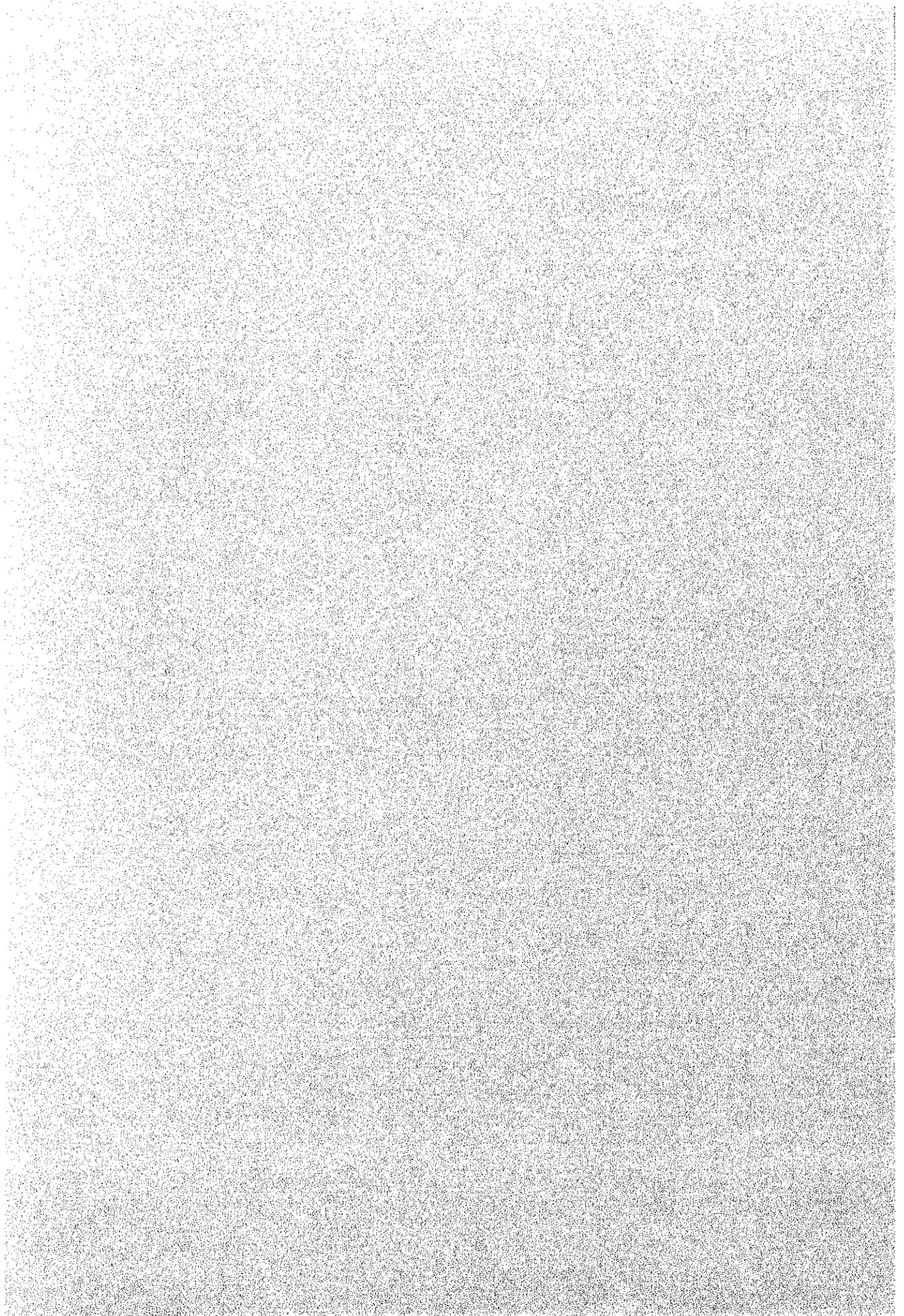
  
 Suwardi, B.A.

## 6. 建設予定地状況

6-1 建設予定地周辺状況

6-2 建設予定地敷地測量図

6-3 ボーリングデータ(RDCB動物部施設建設予定地)





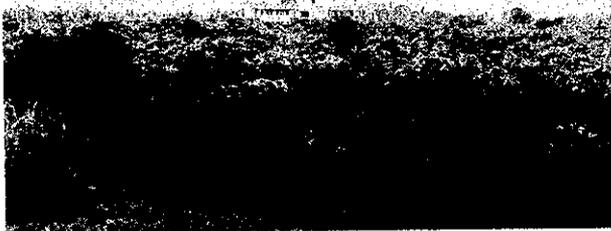
L I P I - R D C B 動物学研究施設建設敷地 (Life Science Center 内) -チビノン



L I P I - R D C B 動物学研究施設建設敷地 (Life Science Center 内)



L I P I - R D C B 動物学研究施設建設敷地 (Life Science Center 内)



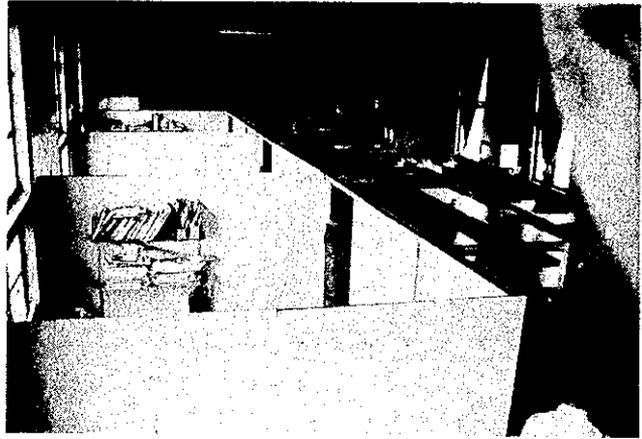
国土地理院 (Life Science Center 内)



バイオテクノロジー研究施設 (Life Science Center 内)



L I P I - 動物学研究施設



L I P I - 動物学研究施設研究者個室



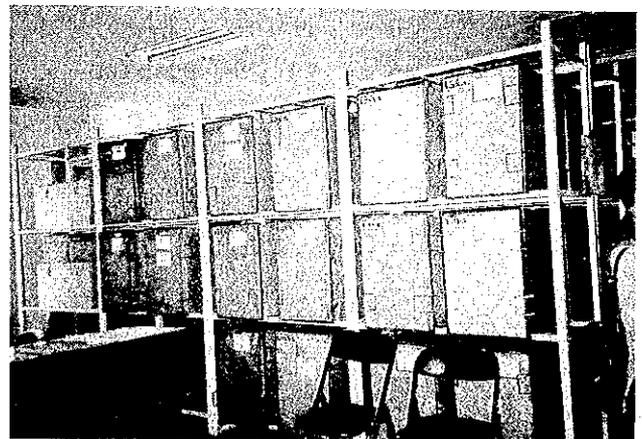
L I P I - 動物学研究施設コンピューター室



L I P I - 動物学研究施設標本庫



L I P I - 動物学研究施設標本庫



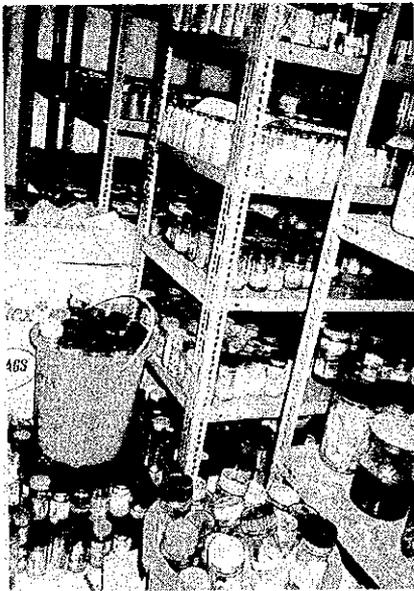
L I P I - 動物学研究施設標本庫



LIPI-RDCO海洋研究施設-アンチャール



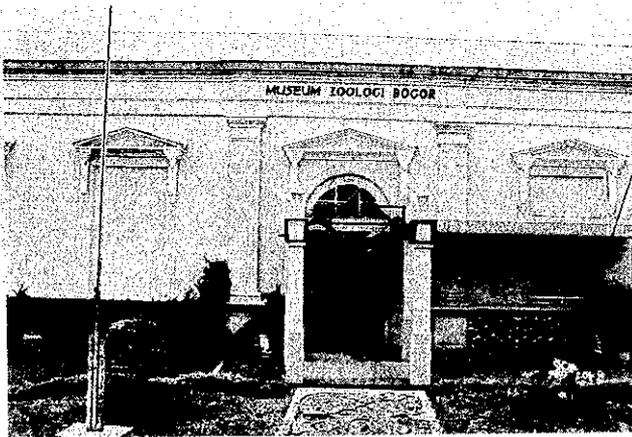
RDCO海洋研究施設標本貯蔵庫



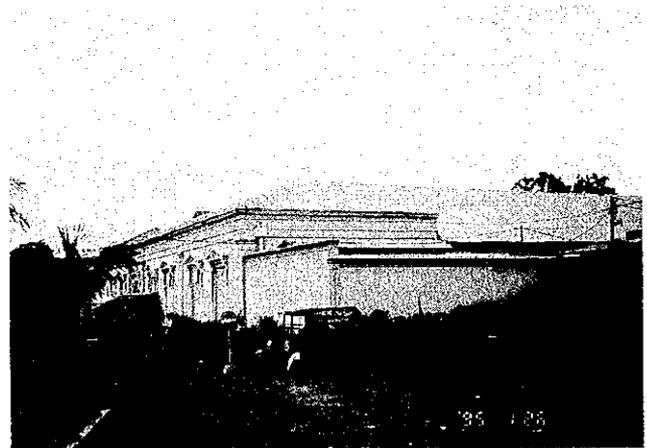
RDCO海洋研究施設標本貯蔵庫



RDCO海洋研究施設標本貯蔵庫



ボゴール動物学博物館



ボゴール動物学博物館



PHPA-ハリムン山レンジャー事務所



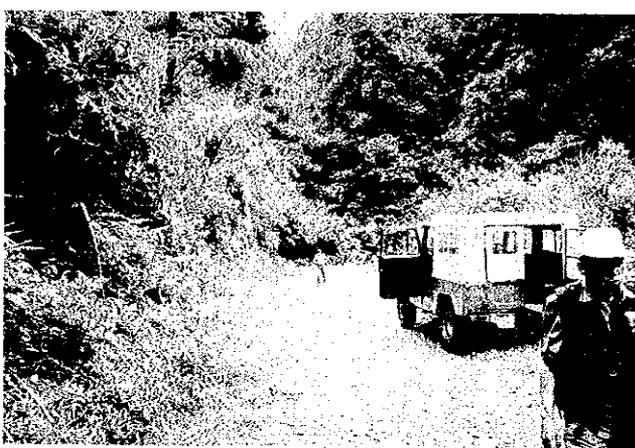
PHPA-ハリムン山国立公園管理事務所 (HQ)  
建設敷地周辺道路



PHPA-ハリムン山国立公園管理事務所 (HQ) 建設敷地-カバンドンガン



PHPA-リサーチステーション建設敷地前面道路



PHPA-リサーチステーション建設敷地前面道路



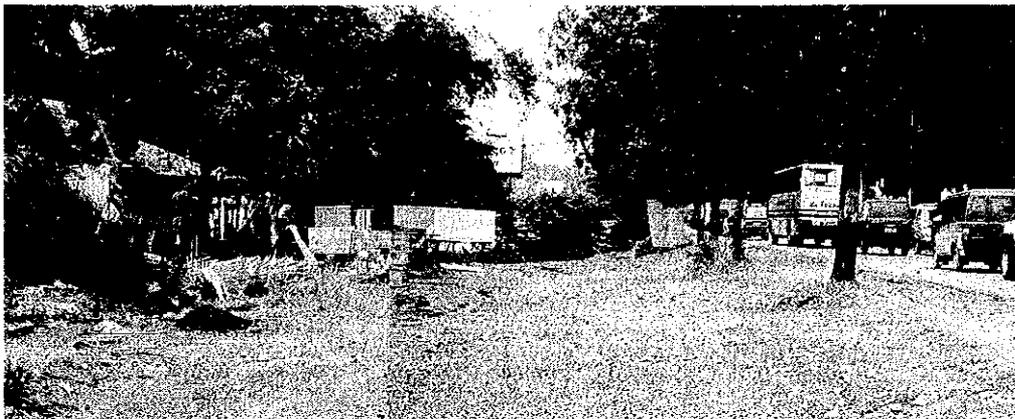
PHPA-リサーチステーション建設敷地-チカニキ



NCIC建設敷地（既存建物）ーポータル



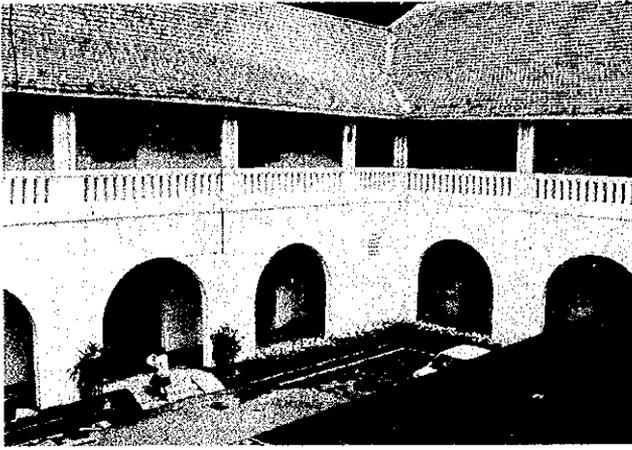
NCIC建設敷地裏側の川と階段



NCIC建設敷地前面道路（拡幅中）



NCIC建設敷地前面道路（拡幅中）



PHPA本部建物-ポゴール



PHPA本部建物リモートセンシング室 (英国援助)



PHPA本部建物 NCIC建設用地-1 (既存建物解体)



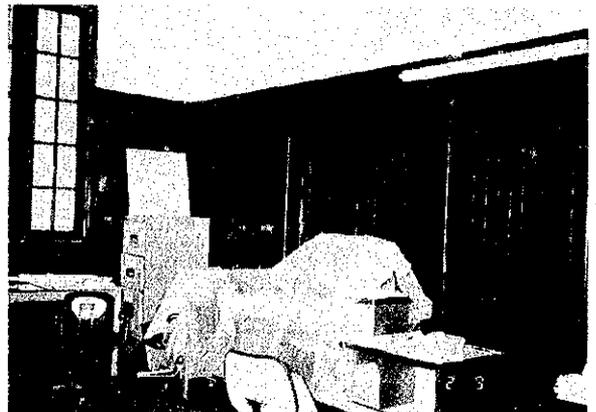
PHPA本部建物リモートセンシング室 (英国援助)



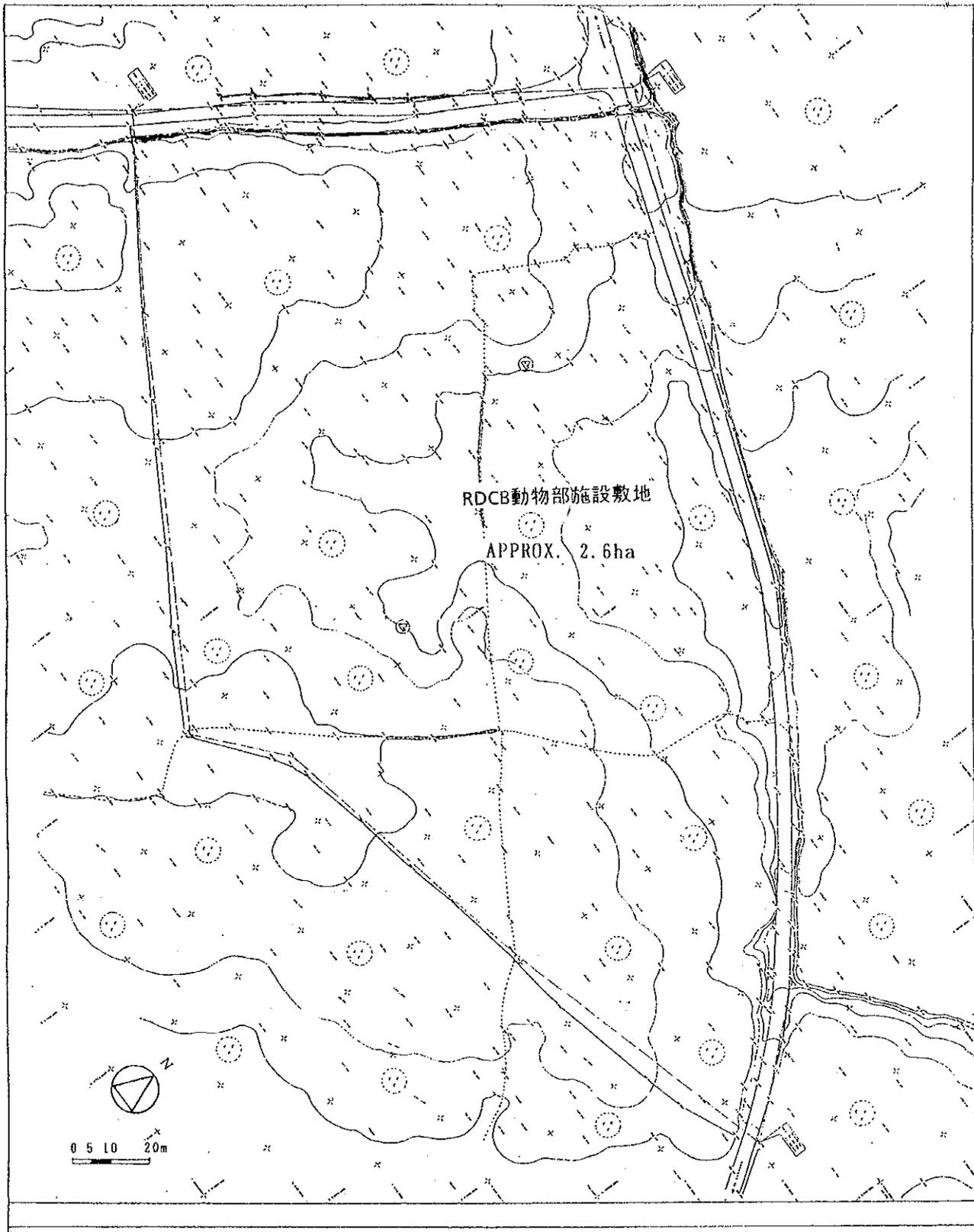
NCIC建設用地-1 (既存建物解体)



PHPA本部建物GIS室

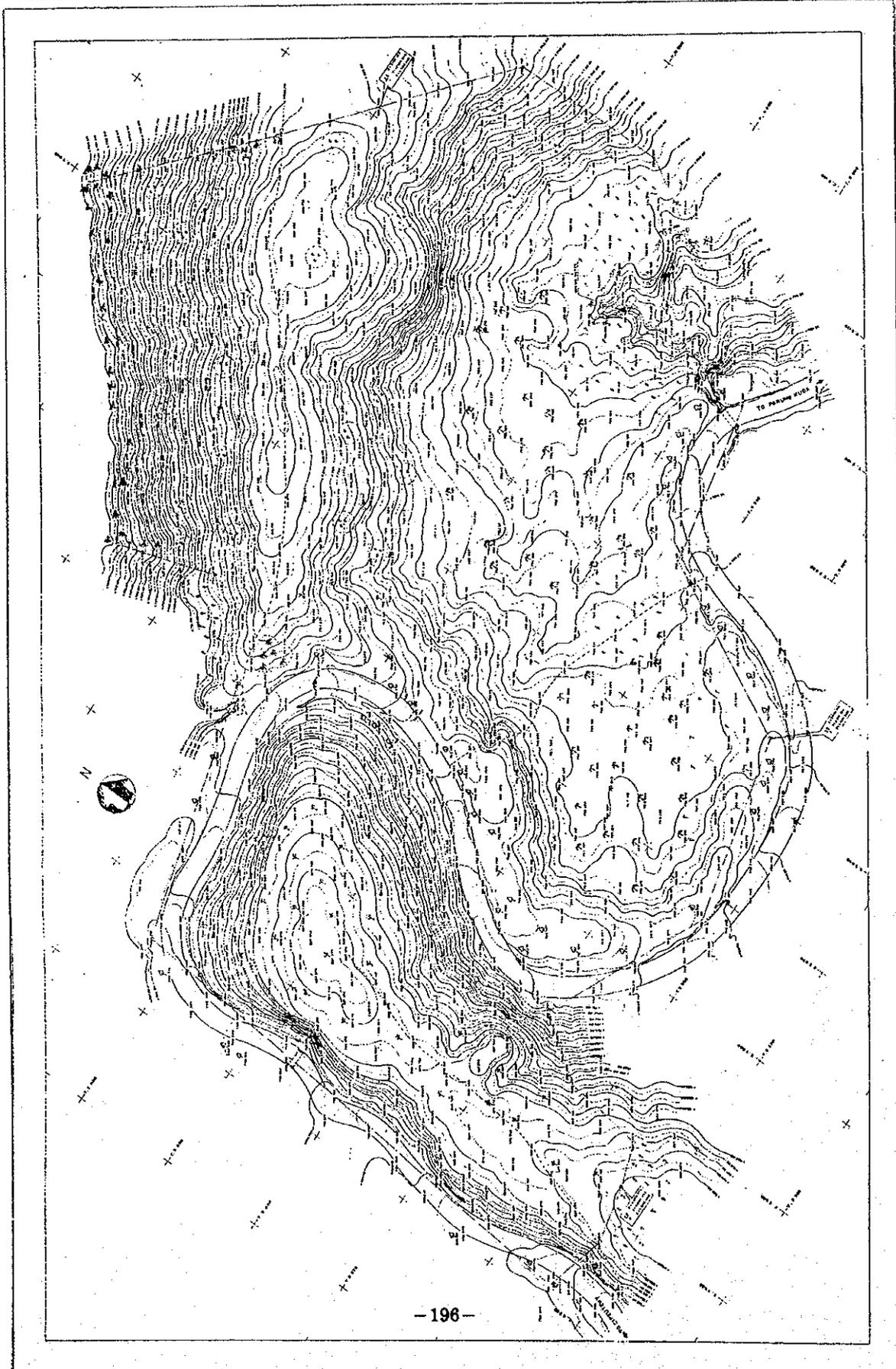


PHPA本部建物GIS室



Legend and title block containing symbols for various features and project information.

- Legend symbols for contour lines, site boundaries, and other features.
- Project title and details.
- Scale bar.
- North arrow.



- LEGEND
- 1. Contour Interval 10m
  - 2. Contour Interval 20m
  - 3. Contour Interval 30m
  - 4. Contour Interval 40m
  - 5. Contour Interval 50m
  - 6. Contour Interval 60m
  - 7. Contour Interval 70m
  - 8. Contour Interval 80m
  - 9. Contour Interval 90m
  - 10. Contour Interval 100m
  - 11. Contour Interval 110m
  - 12. Contour Interval 120m
  - 13. Contour Interval 130m
  - 14. Contour Interval 140m
  - 15. Contour Interval 150m
  - 16. Contour Interval 160m
  - 17. Contour Interval 170m
  - 18. Contour Interval 180m
  - 19. Contour Interval 190m
  - 20. Contour Interval 200m

SCALE  
1:50,000

SITUATION MAP

Project No.	70
Project Name	PROJECT SITE FOR HARIMUN MOUNTAIN NATIONAL PARK
Project Location	REPUBLIC OF KOREA
Project Date	1967

ハリムン国立公園管理事務所敷地リサーステーション敷地

THE BIODIVERSITY PROJECT

- REMARK
- 0.5 = 5m
  - Centour 0.3 = 1m
  - 0.1 = 0.5m

- Bench Mark
- Stick Mark
- Area Boundary
- Existing Road
- Existing Bridge
- Bush

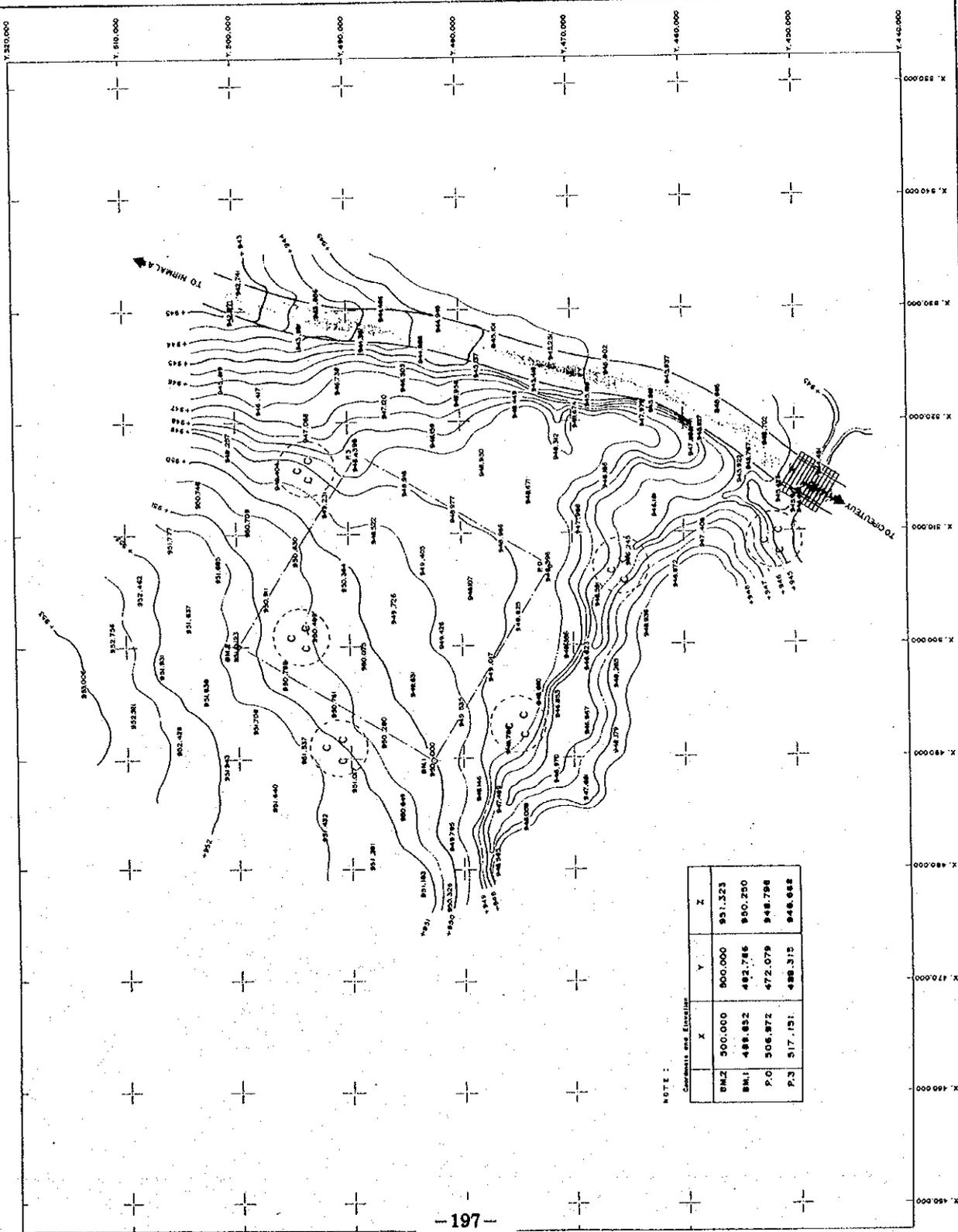


**SITUATION MAP**

Title		
Drawing By		
Checked By		
Approved By		
NAME	SIGN.	DATE

PT. JATA NURMAN  
Consulting Engineers - J. Surabaya 60132, J.

PROJECT SITE  
CIKANIKI SUKABUMI  
FOR  
HEADQUARTER OF MI-HALMUN  
NATIONAL PARK



NOTE :

Coordinates and Elevations

	X	Y	Z
BM.2	500.000	900.000	931.223
BM.1	489.652	492.786	950.250
P.C	506.872	472.079	948.794
P.3	517.151	489.312	948.682

6-3 ボーリングデータ(RDCB動物部施設建設予定地)

ボーリング位置図

REMARK

	Contour
	Bench Mark
	Slick Mark
	Village Road
	Path Feeth
	Polygon Line
	Well
	Bore
	Land Field

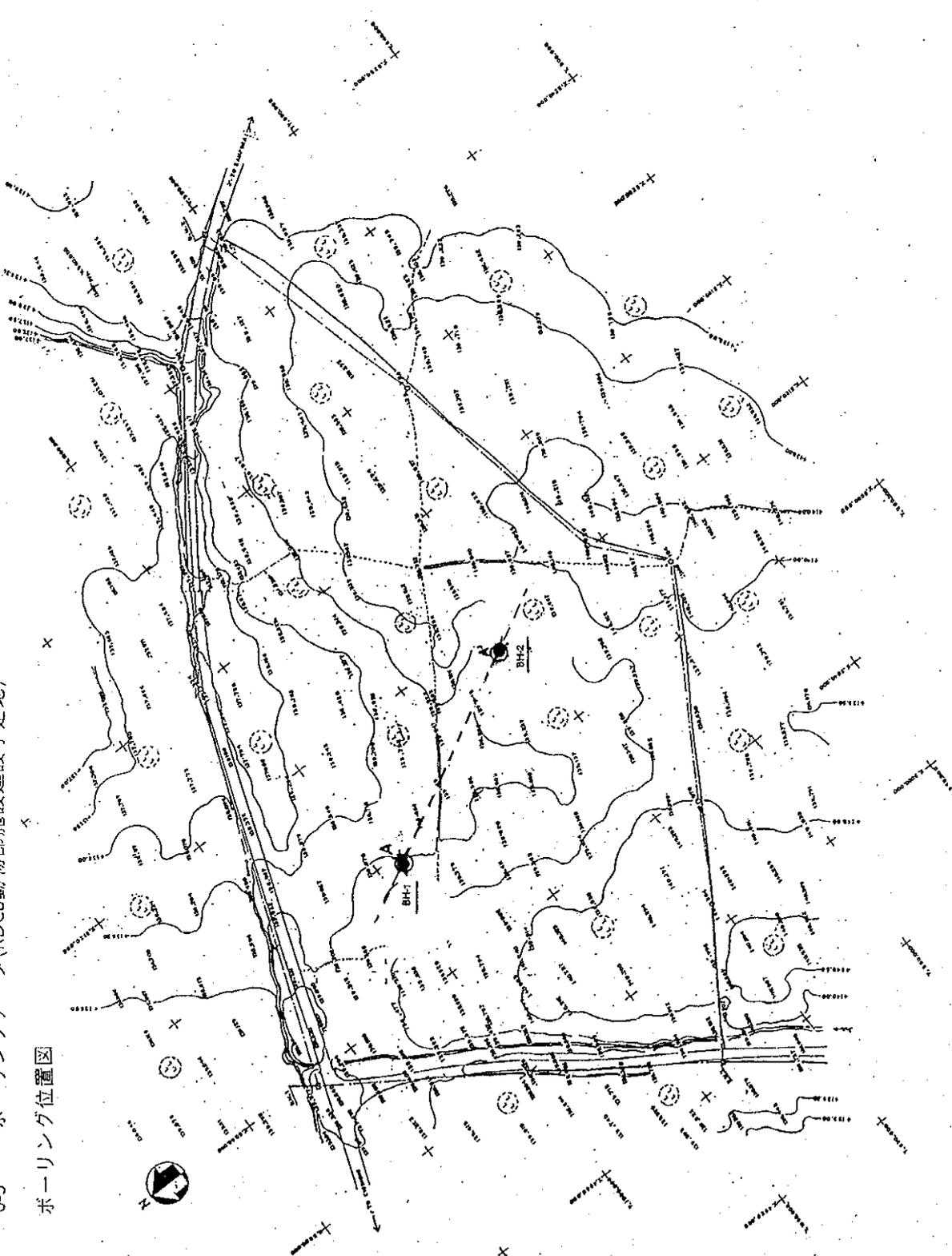


FIGURE 1 SECTION A-A

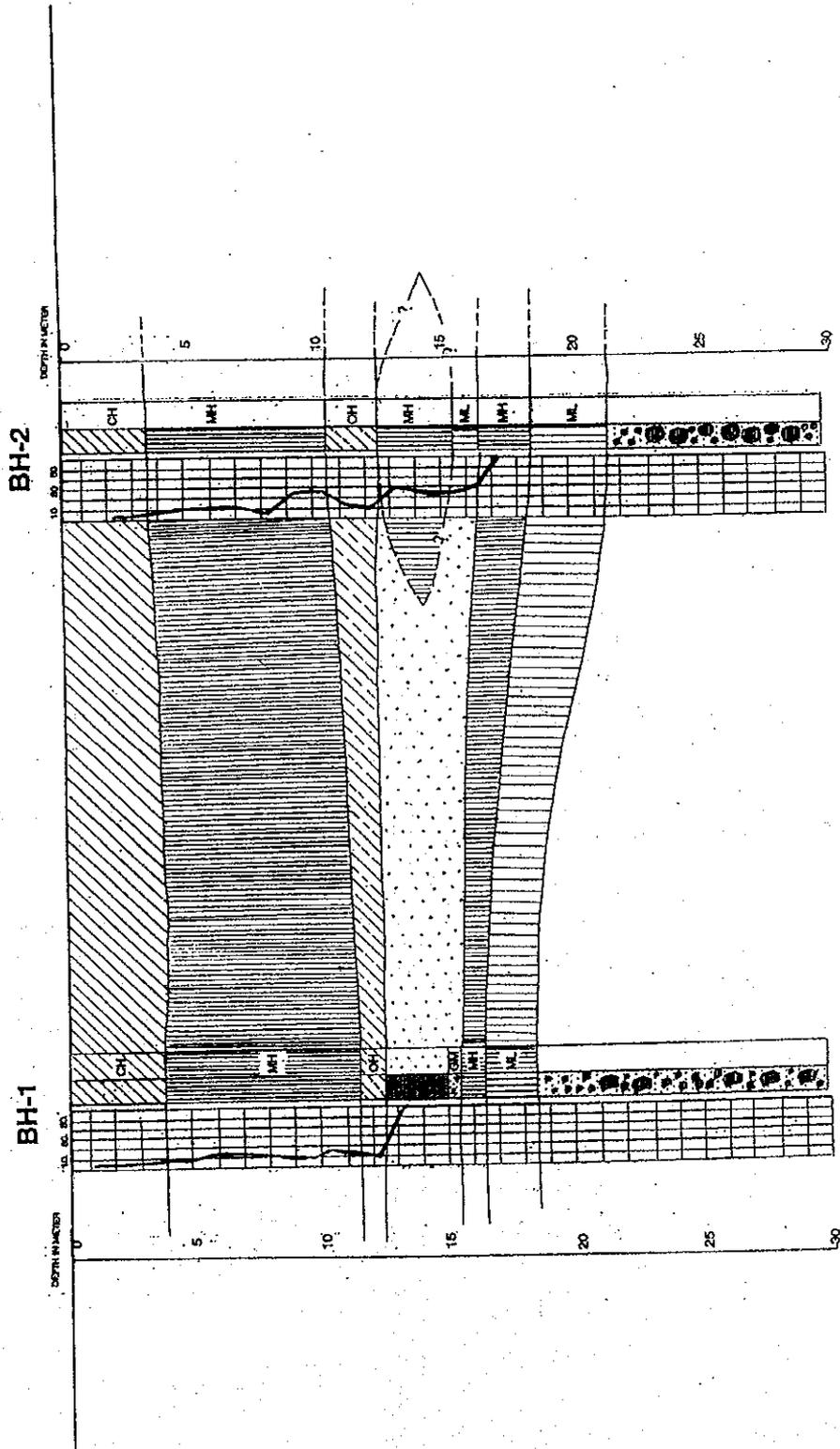


FIGURE 2 GENERALIZED SOIL PROFILE ALONG SECTION A-A

Note: The figure was developed from boring data and is most representative of actual conditions at the locations of borings. Horizontal direction is not to scale.





## SAMPLE

- INDICATES DEPTH OF SAMPLING ATTEMPT WITH NO RECOVERY  
 INDICATES DEPTH OF UNDISTURBED SAMPLES

## S. P. T. SAMPLES

- INDICATES DEPTH OF SAMPLING ATTEMPT WITH NO RECOVERY  
 INDICATES DEPTH OF DISTURBED SAMPLES

## BLOW COUNTS

- N — HAMMER DROPPING A VERTICAL DISTANCE OF 76.0 CM  
] — CORING

## LABORATORY TEST ABBREVIATION

- DSUU . DIRECT SHEAR UNCONSOLIDATED UNDRAINED  
GS . GRAIN SIZE ANALYSIS  
SG . SPECIFIC GRAVITY  
PL . PLASTIC LIMIT  
LL . LIQUID LIMIT  
PI . PLASTICITY INDEX  
UC . UNCONFINED COMPRESSION TEST  
TXUU . TRIAXIAL UNCONSOLIDATED UNDRAINED

## FIELD TEST ABBREVIATION

- RQD . ROCK QUALITY DESIGN (%)  
TV . POCKET TORVANE  
PP . POCKET PENETROMETER  
DCPT . DYNAMIC CONE PENETRETION TEST

## GROUND WATER LEVEL

-  INDICATE THE DEPTH OF GROUND WATER

# KEY TO LOG OF BORING AND SYMBOL USED IN TEXT

JOB NO : 047-002

FIGURE : A-3

P.T. JATA NURMAN