

## INDONESIAN RHINO CONSERVATION PLAN

by

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## CURRENT PROGRESS

RESEARCH AND SURVEYSumatran Rhino

## Sumatra:

Gunung Leuser N.P.  
 Kerinci Seblat N.P.  
 Barisan Selatan N.P.

## Last Report/Survey

van Strien/1985  
 Haryanto & Rufendi PHPA-WWF/1991  
 FAO/UNDP/1980

## Kalimantan:

Kayan Mentarang

?

Javan Rhino

Ujung Kulon N.P.

Griffiths-WWF/1991

## Other Areas:

Way Kambas N.P.  
 Berbak Game Reserve

?

?

## CURRENT PROGRESS

## SUPPORT AND PROJECT TO CONSERVATION AREAS

Related to Rhino ConservationSumatran Rhino

National Park	Agency	GOI Annual Budget (USD)	Size SqKm.
Gunung Leuser	None	135,000	9,600
Kerinci Seblat	WWF	700,000	14,400
Barisan Selatan	None	95,000	3,600

## Kalimantan:

Kayan Mentarang	WWF	?	16,000
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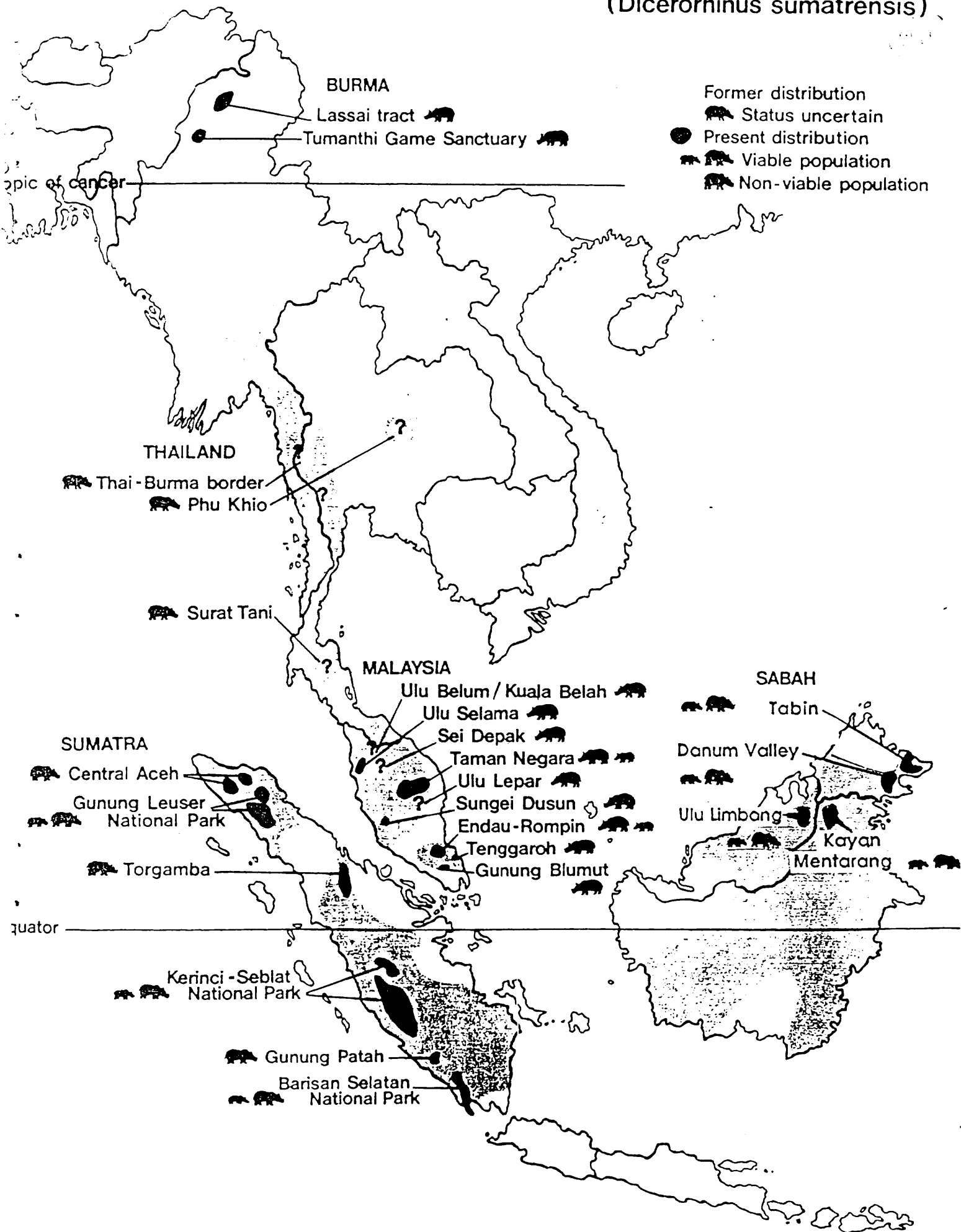
Javan Rhino

Ujung Kulon [area of 720 SqKm] (GOI annual approx. USD 140,000)	Gov't of New Zealand WWF for Nature Minnesota Zoo Indonesian Rhino Foundation Bank International Indonesia
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## Other Areas:

Way Kambas N.P.	None
Berbak Game Reserve	None

# DISTRIBUTION OF THE SUMATRAN RHINOCEROS (*Dicerorhinus sumatrensis*)



A C T I O N S :

Javan Rhino

In-situ Conservation

1. Maximum Protection of Javan rhino population in Ujung Kulon N.P.
2. Law Enforcement, Anti Poaching - Rhino Mobile Unit
3. Extention - Conservation Education and Awareness Programme
4. Population Survey and Trend of Javan Rhino in Ujung Kulon National Park.
5. Research on Biology and Ecology of Javan Rhino in Ujung Kulon.
6. Protect and Re-establish Mt. Horje as Javan Rhino Habitat Extention.
7. Resources and Support Consolidation to Develop Better and Longterm Management of Ujung Kulon National Park.

Ex-situ Conservation

1. Develop Capture Management Plan for Javan Rhino Translocation Schemes.
2. Feasibility Study on Suitability of Habitat at Re-introduction area/site.
3. Feasibility Study on location of Semi-wild Captive Breeding Scheme.

A C T I O N S :Sumatran Rhino

## In-situ Conservation

1. Protection of large population of wild rhino in Natural Habitat
2. Law Enforcement, Anti Poaching - Rhino Mobile Unit
3. Extention - Conservation Education and Awareness Programme
4. Population Survey and Research of Sumatran Rhino in 3 National Park: Gunung Leuser, Kerinci Seblat and Barisan Selatan.
5. Rescue of 'Doomed' Sumatran Rhino, Capture Protocol.
6. Translocation of 'Doomed' Sumatran Rhino into Protected Area.

## Ex-situ Conservation

1. Management Plan for Captive Breeding Scheme in the Participating Zoo.
2. Research and Study on Social and Breeding Behaviour, Reproduction Biology.
3. Training and Transfer of Technologies and Expert Skill.
4. Evaluation of Current Captive Breeding Schemes
5. Develop Sumatran Rhino Sem-Wild Breeding Center, if Possible Close National Park.

## PRESENT STATUS

DISTRIBUTION:Sumatran Rhino

## Sumatra:

Gunung Leuser N.P.  
Kerinci Seblat N.P.  
Barisan Selatan N.P.

## Kalimantan:

Kayan Mentarang ?

Javan Rhino

Ujung Kulon N.P.

## Unconfirm data:

Way Kambas N.P.  
Berbak Game Reserve

THE STRATEGY

TO ENSURE THE LONGTERM SURVIVAL OF  
INDONESIAN RHINO IN THE WILD.

G O A L S:

- 1. PROTECT A LARGE WILD POPULATION
- 2. RE-ESTABLISH INDONESIAN RHINO WITHIN ITS PREVIOUS RANGE

PRIORITIES and OBJECTIVES

Refer to ASIAN RHINO ACTION PLAN of IUCN/SSC ARSG, 1989.

Short-term:

- 1. To Maintain and Protect Indonesian Rhino Sanctuaries.
- 2. Develop and establish Indonesian Rhino Unit.

Long-term:

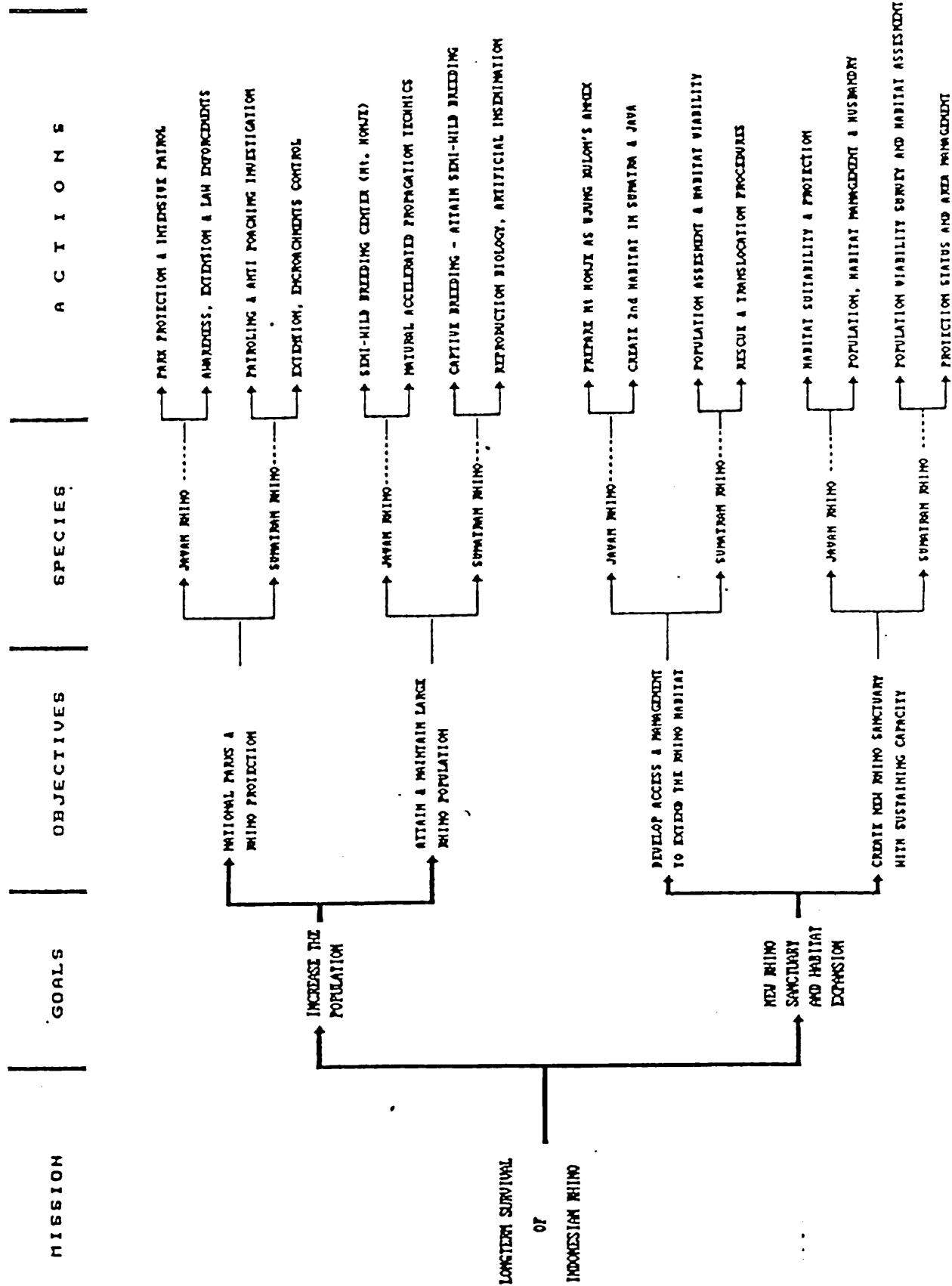
- 1. To Expand the number of Indonesian Rhino Population and Sanctuary.
- 2. To Develop Captive Breeding Population as an insurance and re-introduction schemes.





# INDONESIAN RHINO CONSERVATION STRATEGY

## GLOBAL RELATIONSHIP ANALYSIS



## INDONESIAN RHINO CONSERVATION PLAN

### BUDGET COMPONENTS

(currency in US.\$)

DESCRIPTION	YEAR				
	1	2	3	4	5
<b>A. Rhino Conservation Units</b>					
1. Staff and Personnel Subsistence					
a. Hardship Compensation	30,000	45,000	60,000	72,000	72,000
b. Travel allowances	20,000	30,000	30,000	45,000	45,000
c. Health Care and Insurance	10,000	12,000	12,000	15,000	15,000
2. Transportation					
a. Local airfares	25,000	30,000	30,000	30,000	30,000
b. 4WD vehicle (Pick-up) (4 unit)	100,000	60,000	60,000	60,000	60,000
c. Motor-bikes	30,000	10,000	10,000	10,000	10,000
d. Inflatable boat	20,000	0	0	0	0
3. Communication equipments					
a. SSB radio	28,000	10,000	10,000	10,000	10,000
b. Handy-talky	8,000	2,000	2,000	2,000	2,000
c. Telephone lines	4,000	10,000	10,000	10,000	10,000
d. Fax Machines	2,000	5,000	5,000	5,000	5,000
4. Unit's base (in Sumatra)					
a. Offices	6,000	4,000	4,000	4,000	4,000
b. Housing	4,000	2,000	2,000	2,000	2,000
5. Field equipments					
a. Utility tents	8,500	3,000	8,500	3,000	3,000
b. Cooking utensils	2,500	1,000	2,500	1,000	1,000
c. Back-packs, bush-knife	3,000	2,000	3,000	2,000	2,000
d. Uniform, shoes, raincoat	4,000	2,000	4,000	2,000	2,000
e. Compass, binoculars	5,000	2,000	5,000	2,000	2,000
f. House-ware	2,000	1,000	2,000	1,000	1,000
g. Electric generator	16,000	5,000	16,000	5,000	5,000
h. Carpenter and mechanical tools	15,000	10,000	15,000	10,000	10,000
6. Fire-arm and ammunition supplies					
a. Pre-memory	0	0	0	0	0
7. Unit running expenses					
a. Base and office maintainances	6,000	4,000	4,000	4,000	4,000
b. Vehicle repair and maintainances	25,000	25,000	25,000	25,000	25,000

DESCRIPTION	YEAR				
	1	2	3	4	5
c. Petrol and others running cost	15,000	20,000	20,000	20,000	20,000
d. Stationary	4,000	3,000	3,000	3,000	3,000
e. Unallocated	10,000	6,000	6,000	6,000	6,000
8. Monitoring and data recording					
a. IBM PC AT (compatible) with: Processor 80386 with 25 Mhz Coprocesor 80387-25 Modem 1200 baut Monitor EGA 80 MB Hard Disk HP Laser Printer Uninterruptable Power Supply Mactrox Card	16,000	6,000	6,000	6,000	6,000
b. Map and aerial photo	30,000	10,000	10,000	10,000	10,000
<b>B. Translocation Programme</b>					
1. Survey and field investigation			100,000	60,000	60,000
2. Capture and transportation			180,000	100,000	100,000
3. Post-capture & temporary handling			60,000	60,000	60,000
4. Monitoring and tracking			140,000	100,000	100,000
<b>C. Rhino Breeding Center</b>					
1. Survey and feasibility analysis		8,000			
2. Site and construction plan					
a. Design			6,000	0	0
b. Supervision			8,000	8,000	8,000
3. Land and site preparation					
a. Land status and other documents			100,000	0	0
b. Boundary and demarcation			4,000	3,000	3,000
4. Facility and unit construction					
a. Service road			120,000	60,000	60,000
b. Holding pen and night stall			180,000	40,000	40,000
c. Play ground and fence			115,000	60,000	60,000
d. Keeper quarter			40,000	20,000	20,000
e. Veterinary house			30,000	20,000	20,000
f. Management office			18,000	20,000	20,000
g. Guest-house			15,000	20,000	20,000
h. Security post			20,000	10,000	10,000
i. Garage and workshop			14,000	20,000	20,000
j. Power (Gen-set) house			6,000	10,000	10,000
k. Water pump and tower			4,000	2,000	2,000

DESCRIPTION	YEAR				
	1	2	3	4	5
5. Personnel and staff subsistence					
a. Salary and hardship compensation			28,000	30,000	30,000
b. daily food supply			16,000	20,000	20,000
c. Travel allowances			16,000	20,000	20,000
d. Training and workshop			32,000	50,000	50,000
e. Health care and insurance			18,000	30,000	30,000
6. Rhino Management and running cost					
a. Medical and husbandry supply			15,000	10,000	10,000
b. Rhino's food supply			12,000	15,000	15,000
c. Stationary & tools			10,000	15,000	15,000
d. Petrol and engine maintainance			30,000	40,000	40,000
e. Unallocated			23,000	30,000	30,000
<b>TOTAL</b>	<b>449,000</b>	<b>328,000</b>	<b>1,725,000</b>	<b>1,238,000</b>	<b>1,238,000</b>

**GRAND TOTAL US\$ 4,813,000.00**

### CAPTURE RESULT OF SUMATRAN RHINO IN INDONESIA

No.	Name	Sex	Date of Capture	Capture Location	Present Location	Country	Remark
1.	Torgamba	M	25-11-85	Tanjung Medan	Port Lypne	UK	---
2.	Riau	F	22-01-86	Sungai Daun	--	--	died on 23-01-86 in collar trap
3.	Rokan	M	02-02-86	Boltrem	Surabaya	Indonesia	---
4.	Jalu	M	23-03-86	Tanjung Medan	Jakarta	Indonesia	---
5.	Napangga	M	15-06-86	Tanjung Medan	--	--	died on 06-08-87 in Malacca zoo
6.	Subur	F	22-06-86	Tanjung Medan	--	--	died on 30-10-87 in Port Lypne
7.	Meranti	F	21-07-87	Sungai Daun	Port Lypne	UK	
8.	Dalu	F	08-07-88	Air Hitam	Bogor	Indonesia	
9.	Mahato	F	22-07-88	Mahato	Cincinnati	USA	
10.	Barakas	F	24-07-88	Bt. Sosa/Kumu	San Diego	USA	
11.	Rapunzel	F	26-08-89	Air Hitam	Bronx N.Y.	USA	
12.	Ipuh	M	23-07-90	Air Retak	Cincinnati	USA	
13.	Ipak	F	06-03-91	Air Retak	N. Bengkulu	Indonesia	
14.	Romi/Muko	M	18-04-91	Air Rami	N. Bengkulu	Indonesia	
15.	Bina/Sabai	F	17-05-91	Air Retak	N. Bengkulu	Indonesia	
16.	Rami	F	11-06-91	Air Rami	N. Bengkulu	Indonesia	