

Annexes

Recommendations

I. Recommendations

II. List of Participants

III. Workshop Programme

IV. Scientific names of species referred to in the text

V. Selected References

I. PEOPLE AND PROTECTED AREAS IN THE HINDU KUSH-HIMALAYA

designated as a protected area should not be reduced.

Recognizing that the increase in both human and animal population is one of the major factors which bring about negative effects in Protected Areas, and

Considering the need to help support national population programmes;

The International Workshop on the Management of National Parks and Reserved Areas in the Hindu Kush-Himalaya at its meeting in Kathmandu from 6 to 14 May 1985,

Recommend that more research be undertaken along interdisciplinary lines with emphasis on participatory action

That the studies of ecological systems programmes in the region be undertaken for qualitative, analysis and further processes.

2. HUNGUIN RESERVE

Recognizing the need for closer monitoring of the concept of Hunguin Reserve, especially how it is different from the existing and future National Parks which are being changed to a new buffer smaller form; and

Noting with concern the slow progress in the establishment of Hunguin Reserve in the area of the West

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Annex I.

Recommendations

1. PEOPLE AND PROTECTED AREAS IN THE HINDU KUSH-HIMALAYA

Realising that the people who belong to the area designated as a protected area should not be relocated elsewhere as, over the centuries, they have developed adaptation technologies which need to be conserved;

Recognising that the increase in both human and animal population is one of the major factors which brings about negative effects in Protected Areas; and

Considering the need to help support national population programmes:

The International Workshop on the Management of National Parks and Protected Areas in the Hindu Kush-Himalaya at its meeting in Kathmandu from 6 to 11 May 1985,

Stresses that there exists a need for a *community development strategy* at the regional or district level, around the Protected Areas, which should include:

- research and studies to suggest alternatives to existing methods utilised in agriculture and animal husbandry;
- the socio-economic development of the people living in the vicinity of National Parks and Protected Areas;
- the development of special training courses on conservation for social workers who deal directly with social welfare in districts where protected areas are located;
- the creation of a real basis for the alliance between the communities around the Protected Areas and the managers of such areas to work together towards a "partnership for conservation";

Urges ICIMOD to play a leading role in collecting information on the Social and Cultural patterns of various societies of the region, and to act as the repository of techniques, customs and traditions related to the sustainable use of resources for the countries of the region.

Recommends that more research be undertaken along interdisciplinary lines with emphasis on participation action research by involving the local people in the protection and development of the ecosystems, and

Urges that studies of successful population programmes in the region be undertaken for identification, analysis and further promotion.

2. BIOSPHERE RESERVES

Recognising the need for clearer understanding of the concept of Biosphere Reserves, especially how it is different from the existing and future National Parks which too are being managed on a core-buffer zonation basis; and

Noting with concern the slow progress in the establishment of Biosphere Reserves in this region; The Workshop

Endorses the biosphere reserve concept as a productive means of dealing with lands surrounding national parks and other protected areas;

Recommends unanimously that the Man and the Biosphere Programme of UNESCO should organise a meeting/seminar within the framework of the Biosphere Reserve Action Plan to be attended by the policy makers, planners and managers of proposed Biosphere Reserves to understand the concept and vigorous implementation of the Biosphere Reserve Action Plan in the region, and

Further Recommends that, in view of the importance to comprehend fully the complex and integral relationships between major river basins and mountain systems of the region, the countries of the Hindu Kush-Himalaya undertake to co-operate in the establishment of Joint Biosphere Reserves as important symbols and vehicles of international co-operation in the field of nature conservation.

3. PLANNING THE ESTABLISHMENT OF PROTECTED AREAS IN CONSIDERATION OF GENETIC RESOURCES AND HUMAN NEEDS

3.1 Professional development of protected area managers

Realising the importance of regular meetings to exchange information and promote further professional experience for protected area managers; and

Warmly welcoming the efforts of ICIMOD and the King Mahendra Trust for Nature Conservation in making the workshop a reality; The Workshop

Suggests that ICIMOD consider development of training programmes for professional managers of protected areas and holding of regional Workshops in different countries of the region on a regular basis, and of ICIMOD in conservation and resource management in the mountains of the region.

3.2 Planning

Concerned about the increasing pressures on protected areas in the Hindu Kush-Himalaya;

Convinced that improved management of protected areas is intimately linked with developments in the surroundings lands; and

Aware that well-designed management plans can be crucial documents in improving protected areas; The Workshop

Recommends that management plans be prepared for each protected area in the Hindu Kush-Himalaya, that such management plans be prepared by the institutions that actually manage the protected areas, based on sufficient data and modern approaches to management, that mechanisms be explored for integrating protected area management plans with the national, regional and local development planning and implementation process; that area management plans be considered part of the national conservation strategy, in the countries where such documents are being prepared; and

Calls on IUCN, UNESCO, FAO, and other international organisations to be prepared to provide assistance in the preparation of management plans on request by governments of the Hindu Kush-Himalaya region.

3.3 Data base on protected areas

Aware of the great quantity of information about the natural resources of the Hindu Kush-Himalaya, and

Considering the need to use these data effectively to improve design of development projects and management of protected areas; The Workshop

Calls on ICIMOD to further develop the work initiated by IUCN in preparation of a data base on protected areas in the Hindu Kush-Himalaya, to be applied for monitoring, identification of priorities for establishment of new protected areas, and promotion of conservation efforts; and

Suggests that consideration be given to the establishment of a group of highly qualified protected area managers

from within the Hindu Kush-Himalaya region who would have the responsibility of monitoring the status and trends of protected areas in the region.

3.4 Categories of protected areas

Recognising that a variety of approaches to protecting natural ecosystems is required to supplement the strict protection afforded by National Parks if significant additional land is to be added to protected area systems; and

Welcoming major international programmes such as World Heritage and Biosphere Reserves; The Workshop

Recommends that countries which have not already done so consider adding categories other than National Parks to their protected area systems; and

Calls on the governments of the region to consider adhering to the World Heritage Convention and nominating appropriate sites for inclusion on the World Heritage List;

3.5 Conservation in the Annapurna region

Being aware of the Directive of His Majesty the King of Nepal regarding conservation and tourism in the Annapurna region; and

Concerned with the need to balance human use with the sustained capacity of natural resources; The Workshop

Endorses the concept of incorporating the needs of local communities and the tourist industry with protection of the unique natural values of the Annapurna region, and

Further encourages the non-governmental organisation, the King Mahendra Trust for Nature Conservation to consult with all interested parties in developing a model conservation and development plan for the Annapurna region, in close collaboration with His Majesty's Government of Nepal, Department of National Parks and Wildlife Conservation.

4. MANAGEMENT OF PROTECTED AREAS

4.1 Energy needs of protected areas

Realising that firewood is a basic need common throughout the Hindu Kush-Himalaya region: and

Aware that forest cover is critical for environmental preservation, The Workshop

Recommends that alternative energy sources (especially hydro-electricity) should be developed to meet the energy needs of the region as a whole through regional co-operation, and

Suggests that possible hydro-electric installations within National Parks and Protected areas must carefully

examine their environmental impact before final decisions are made.

4.2 Tourism and protected areas

Being Concerned that the environmental impacts of tourism, particularly in several of the National Parks in Nepal. The Workshop

Calls on IUCN to undertake a project on Environmental Impact of Tourism in the National Parks of Nepal in collaboration with relevant agencies of His Majesty's Government of Nepal, and

Suggests that the findings be incorporated in the Nature Conservation Strategy of the countries in the Hindu Kush-Himalaya,

5. ENVIRONMENTAL EDUCATION AND TRAINING

Recognising that environmental education and training are major steps towards dealing effectively with the problems of conservation and utilisation of natural environment; and

Aware that environmental education should be mutually supportive to the National Parks and Reserves management; The Workshop

Recommends that a regional manpower requirement survey be undertaken to determine future requirements in the human capacity to manage protected areas with special attention to the lower level cadre of staff and to the possibility of establishing a regional training centre for the management of Protected Areas.

Calls on all the countries of the Hindu Kush-Himalaya region to promote and further strengthen their programmes of environmental education and training at all levels of formal education;

Recommends that appropriate programmes for the promotion of environmental education and training in the Hindu Kush-Himalaya be developed in co-operation with the governments of the region and other international agencies.

Suggests that in addition to the formal programmes, non-formal education programmes through the use of Radio and Television, should also be introduced and encouraged for mass education and particularly for the benefit of rural population by involving local social and religious institutions and leadership,

Further Suggests that more efforts should be made to improve the educational, training and research roles of national parks and protected areas for the benefit of the local population.

Stresses the need to encourage non-governmental organisations of the region to be actively involved in the national environmental education and training programmes,

Emphasises that greater regional co-operation among the countries through exchange of expertise would help improve the environmental education programmes of individual countries of the Hindu Kush-Himalaya, and

Urges UNESCO and the countries of the Hindu Kush-Himalaya to intensify efforts to produce suitable low-cost books, literature, slides and films in local languages for wider public dissemination.

6. BASIC REQUIREMENTS FOR THE MANAGEMENT OF NATIONAL PARKS AND PROTECTED AREAS

Considering that the natural and cultural heritage of the Hindu Kush-Himalaya has not been catalogued and that this should be documented before the increasing population pressure greatly affects such heritages,

Recognising that the primary interest of nature conservation and secondary objectives of obtaining water, tourism, forestry, game and others can be achieved by designating and managing national parks and protected areas;

Aware that there is a strong need to improve the capability to manage the national parks and protected areas; and

Recalling that the world conservation strategy has suggested that legislation, organisation, education and research are the basic requirements to improve the capacity to manage, The Workshop

Urges the countries of the region to take effective measures to reduce the population growth rate, to introduce land use planning, and to undertake environmental impact assessment of major development projects in order to assure sustained development without affecting conservation interests;

Recommends that the economy of mountain and flood plains be integrated to provide alternatives and additional resources to the mountain people.

Recommends that each country take up a review of its natural and cultural heritage and ensure preservation of samples of all ecosystems, species and habitats with designation and management of strict nature reserves.

Suggests that the existing legislation on national parks and protected areas be reviewed and improved by the countries of the region in consultation with all concerned interest groups.

Urges the countries of the region to provide organisational and financial back-up to match their commitment to nature conservation and for achieving other objectives of land use in national parks and protected areas;

Further Urges that because of the growing awareness of the role of protected areas in sustaining society and in the national development process of the Hindu Kush-Himalaya countries ICIMOD convene another workshop on the status of the management of protected areas in the region in three years time.

Annex II.

List of Participants

BHUTAN

Mr. T. B. Mongar Deputy Director, Southern Wildlife Circle, Sarbhang

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Mr. K. B. Chitrakar Acting Project Chief, Forest Department, HMG/N, Babar Mahal, Kathmandu

Dr. C. P. Gorkhali Rector, Tribhuvan University, Tripureshwar, Kathmandu

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Dr. Teertha B. Shrestha Member, Royal Nepal Academy, Kamaladi, Kathmandu

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Mr. Batu K. Upreti Nepal Environmental Conservation Group, G. P. O. Box No. 3768, Kathmandu

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Mr. Mumtaz Malik Conservator, Wildlife, Department of Forest, North West Frontier Province, Peshawar

Mr. Hasan Nawab Joint-Secretary, Ministry of Science and Technology, Government of Pakistan, Islamabad. Member, ICIMOD Board of Governors

Mr. Mohammad Rafiq Chief Conservator of Forest, Department of Forest, Baluchistan, Quetta

Mr. Abdul Latif Rao Conservator (Wildlife), Ministry of Food, Forest and Agriculture, Government of Pakistan, Islamabad

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Mr. Robert J. Dobias National Parks Management Specialist, Khao Yai National Park, Thailand

Mr. Brian Johnson 10 Belgrave Square, London S.W.1, U.K.

Sir Arthur Norman KBE, DFC. Chairman of the U.K. Committee of KMTNC; Member, Governing Board of Trustees KMTNC; Dela Rue House, 315 Burlington Gardens, London W1A-1DL, U.K.

Dr. Barry Leach Director, Institute of International Education, Kwantlen Coliege, P.O. Box 9030, Surrey, B.C., Canada, V3T 5H8

Dr. Daniel Taylor-Ide Director, Centre for Rural Development and Poverty Concerns, Woodland Institute, Cherry Grove, WV 26803, U.S.A.

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Mr. Russel Train President, World Wildlife Fund-US; Member, Governing Board of Trustees, KMTNC; Former Administrator U.S. Environmental Protection Agency, 1255 Twenty-Third Street, NW-Washington D.C. 20037

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Dr. H. R. Mishra Member-Secretary, King Mahendra Trust for Nature Conservation, Babar Mahal, G.P.O. Box 3712, Kathmandu

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Ms. Zhang Li China

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Dr. Pradipto Roy India

Dr. Deepak Bajracharya Nepal

Mr. Saroj Basnyet Nepal

Dr. Binayak Bhadra Nepal

Dr. Hikmat Bista Nepal

Ms. Prabha Thacker Nepal

Mr. Anis Dani Pakistan

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Col. James Roberts Chairman, World Pheasant's Association, Nepal Chapter, Kathmandu,

Mr. Rod Rylander Member, National Audobon Society, U.S.A., C/O Mr. Ramesh Manandhar, Tahachal, Kathmandu

Annex III.

Programme: International Workshop on the Management of National Parks and Protected Areas in the Hindu Kush-Himalaya

May 5 – Sunday		12:05 – 13:00	Lunch for Participants – Compliments of Gokarna Safari Park at Gokarna Raj Nikunja
16:00 – 19:00	Registration at Hotel Shankar		
May 6 – Monday		13:00	Transfer to Hotel Shankar Workshop Venue
08:15 – 09:15	Registration at Hotel Shankar		
09:30	Departure of Participants from Hotel Shankar to Gokarna Raj Nikunja	14:00	Session 1
	INAUGURATION PROGRAMME		Chairman: Dr. Ratna S.S.J.B. Rana, Nepal
10:00 – 10:15	Arrival of Participants and Guests at Gokarna Raj Nikunja Safari Park		Co-Chairman: Mr. Mohammad Rafiq, Pakistan
10:15 – 10:30	Arrival of VIPs		Rapporteurs: Mrs. Greta Rana and Ms. Zhang Li
10:30 – 10:45	Arrival of Members of the Royal Family		Introductory Remarks: Prof. S. R. Chalise, ICIMOD – Secretary of the Workshop Organising Committee
10:55	Arrival of Their Majesties Welcome by the members of the Organising Committee		Theme 1: HUMAN PRESSURE IN THE HINDU KUSH-HIMALAYA IN RELATION TO NATIONAL PARKS AND PROTECTED AREAS
11:00 – 11:10	Welcoming Address and Highlights of the Workshop: Dr. Ratna S. S. J. B. Rana, Chairman of the Workshop and Chairman, ICIMOD Board of Governors		1. Towards Sustainable Development. Sir Arthur Norman, KMTNC
11:10 – 11:20	Response to the Welcoming Address: Mr. Russel Train, President WWF-US and Member, Governing Board of Trustees KMTNC		2. Population Changes in the Hindu Kush-Himalaya with Reference to National Parks and Protected Areas. Dr. C. Jest, ICIMOD
11:20	INAUGURATION BY HIS MAJESTY KING BIRENDRA BIR BIKRAM SHAH DEV		3. The Fragile Mountain Revisited: Nepal's Agenda for Halting the Slide. Dr. H. Mishra, Nepal
11:30 – 11:55	Keynote Address: HRH Prince Gyanendra Bir Bikram Shah, Chairman, King Mahendra Trust for Nature Conservation (KMTNC)		4. Protected Areas vis-a-vis Local Population. Mr. W. A. Kermani, Pakistan
11:55 – 12:05	Vote of Thanks: Mr. Prabhakar Rana, Chairman Workshop Organising Committee	15:40 – 17:00	Session 2
			Chairman: Sir Arthur Norman KMTNC

Co – Chairman: Dr. R.P. Yadav,
ICIMOD

Rapporteurs: Dr. D. Bajracharya and
Ms. Nima Ome

1. Park – People Interface: Some Problems and Prospective Suggestions. Mr. B. N. Upreti, Nepal
2. Man and Nature in the Himalaya. Mr. Jeffrey McNeely, IUCN
3. The Status and the Prospects of the Establishment and Management of the Nature Reserve in China. Dr. Li Wenhua. Member, ICIMOD Board of Governors.
4. Conflict of Interest between People and Management. Dr. Barry Leach, Canada.

18:00

Reception by KMTNC

May 7 – Tuesday

09:00

Session 3

Theme 2: BIOSPHERE RESERVE

13:30

Chairman: Mr. A. Latif Rao, Pakistan

Co-Chairman: Dr. H. R. Mishra,
Nepal

Rapporteurs: Ms. P. Thacker and
Mr. A. Storrs

1. Biosphere Reserve. Dr. G. Glaser, UNESCO, Member, ICIMOD Board of Governors
2. Community Protection of Forest Areas – A Case Study of Chautara Nepal. Dr. T.B.S. Mahat, ICIMOD
3. The Management of Ding Hu Shan Biosphere Reserve. Prof. Wang Zhuhao, China
4. Makalu Biosphere Reserve – a Proposal. Dr. D. Taylor-Ide, USA and Dr. T. B. Shrestha, Nepal

10:30

Session 4

Theme 3: PLANNING THE ESTABLISHMENT OF PROTECTED AREAS IN CONSIDERATION OF GENETIC RESOURCES AND HUMAN NEEDS

Chairman: Dr. M. Derkatch, UNESCO

Co-Chairman: Prof. S. R. Chalise,
ICIMOD

Rapporteurs: Dr. Vinod Kumar and
Mr. Anis Dani

1. Management Planning for Protected Areas in the Hindu Kush-Himalaya. Dr. J. Thorsell, IUCN
2. Role of National Parks for the Conservation of Endemic, Endangered and Threatened Plants of Nepal. Dr. T.B. Shrestha, Nepal
3. Preservation and Management of Endangered Panda in Nature Reserves of Szechuan, China. Mr. Wang Menghu, China.
4. Annapurna National Park: The Nepal Plan for Joining Human Values and Conservation of Mountain Ecosystems. Dr. Bruce Bunting/Dr. M. Wright, WWF-US
5. An Expanded Rationale for Protected Area in Hindu Kush-Himalaya. Dr. J. McNeely, IUCN

Session 5

Theme 4: MANAGEMENT OF THE PROTECTED AREAS

Chairman: Mr. Wang Zhuhao, China

Co-Chairman: Mr. Karna Sakya, Nepal

Rapporteurs: Dr. B. Bhadra and
Dr. C. Jest

1. The Right to Graze in National Park – A Management Crisis. Dr. K. Sankhala, India
2. Management Problems in the Andean National Parks and Protected Areas of Peru. Dr. M. J. Durojeanni, IUCN
3. Development of National Parks and Management of Wild Life in Baluchistan, Pakistan. Mr. M. Rafiq, Pakistan
4. Adventure Tourism and Sustainable Development. Mr. B. D. G. Johnson and Mr. J.O.M. Roberts, U.K.
5. Management of Chitral Gol National Park, Pakistan. Mr. M. Malik, Pakistan

Annex IV.

Scientific names of species referred to in the text

Latin and Common Names

FAUNA

Mammals

Black Bear	<i>Selenarctos thibetanus</i>
Blackbuck	<i>Antelope cervicapra</i>
Wild Buffalo	<i>Bubalis bubalus</i>
Jungle Cat	<i>Felis chaus</i>
Desert Cat	<i>Felis libyca ornata</i>
Chauka, Four Horned Antelope	<i>Tetracornis quadricornis</i>
Chinkara	<i>Gazella gazella bonneti</i>
Large Indian Civet	<i>Viverra zibetha</i>
Barking Deer	<i>Muntiacus muntjak</i>
Musk Deer	<i>Moschus moschiferus</i>
Swamp Deer	<i>Cervus duvauceli</i>
Jungle Dog	<i>Cuon alpinus</i>
Gangetic Dolphin	<i>Platanista gangetica</i>
Elephant	<i>Elephas maximus</i>
Desert Fox	<i>Vulpes vulpes griffithi</i>
Gazelle	<i>Gazella gazella</i>
Goral	<i>Nemorhaedus goral</i>
Pigmy Hog	<i>Sus sylvanus</i>
Striped Hyaena	<i>Hyaena hyaena</i>
Asiatic Jackal	<i>Canis aureus</i>
Common Leopard	<i>Panthera pardus</i>
Snow Leopard	<i>Panthera uncia</i>
Assamese Macaque	<i>Macaca assamensis</i>
Rhesus Macaque	<i>Macaca mulatta</i>
Markhor	<i>Capra falconeri falconeri</i>
Chiltan Markhor	<i>Capra falconeri chiltanensis</i>
Suleiman Markhor	<i>Capra falconeri jerdoni</i>
Marmot	<i>Marmota bobak</i>
Yellow Throated Marten	<i>Martes flavigula</i>
Red Panda	<i>Ailurus fulgens</i>
Wild Pig	<i>Sus scrofa</i>
Rhino	<i>Rhinoceros unicornis</i>
Serow	<i>Capricornis sumatrensis</i>
Great Tibetan Sheep	<i>Ovis ammon hodgsoni</i>
Blue Sheep	<i>Pseudois nayaur</i>

Cairo Spiny Mouse

Himalayan Flying Squirrel

Magnificent Flying Squirrel

Himalayan Striped Squirrel

Himalayan Thar

Tiger

Urial

Weasel

Wolf

Wild Yak

Birds

Great Indian Bustard

Houbara Bustard

Lesser Bustards

Chukor

Himalayan Snow Cock

Bonelli's Hawk Eagle

Redheaded Merlin

Blood Pheasant

Impeyan Pheasant

Satyr Tragopan Pheasant

Koklass Pheasant

Monal Pheasant

Ring-necked Pheasant

Green Wood Pigeon

Grey Partridge

Seesee Partridge

Coroneted Sandgrouse

Imperial Sandgrouse

Indian Sandgrouse

Painted Sandgrouse

Egyptian Vulture

Reptiles

Gharial

FLORA

Bamboo Jungle

Acomys cahirinus

Petaurista petaurista

Petaurista magnificus

Callosciurus maccllellandi

Hemitragus jemlahicus

Panthera tigris

Ovis orientalis

Mustela altaica

Canis lupus

Bos grunniens

Choriotis Nigriceps

Chlamydotis undulata macqueenii

Chamydobis undulata

Alectoris graeca

Tetragalus himalayensis

Hieraaetus fasciatus

Falco chicquera

Ithagelus cruentus cruentus

Lopophorus impeyanus

Tragopan satyra

Pucrasia macorlopha nipalensis

Lophophorus impejanus

Phasianus colchicus

Crecopus phoenicopterus

Francolinus pondicerianus

Ammoperdix griseogularis

Pterocles coronatus

Maquila heliaca

Pterocles exustus

Pterocles indicus

Neophron percnopterus

Gavialis gangeticus

Dendrocalamus spp

Bamboo Jungle	<i>Arundinaria</i> spp	Hemlock	<i>Tsuga dumosa</i>
Bamboo Jungle	<i>Bambusa</i> spp	Juniper	<i>Juniperus recurva</i>
Birch	<i>Betula utilis</i>	Oak	<i>Quercus ilex</i>
Cedar	<i>Cedrus deodara</i>	Blue Pine	<i>Pinus wallichiana</i>
Conifer	<i>Pinus gerardiana</i>	Pine	<i>Pinus roxburghii</i>
Cypress	<i>Cypressus torulosa</i>	Pine	<i>Pinus patula</i>
Nepal Dandelion	<i>Taraxacum nepalese</i>	Monterey Pine	<i>Pinus radiata</i>
Daphne	<i>Daphne glacialis</i>	Rhododendron	<i>Rhododendron</i> spp
West Himalayan Fir	<i>Abies pindrow</i>	Spruce	<i>Picea smithiana</i>
Fir	<i>Abis spectabilis</i>	Sal	<i>shorea robusta</i>

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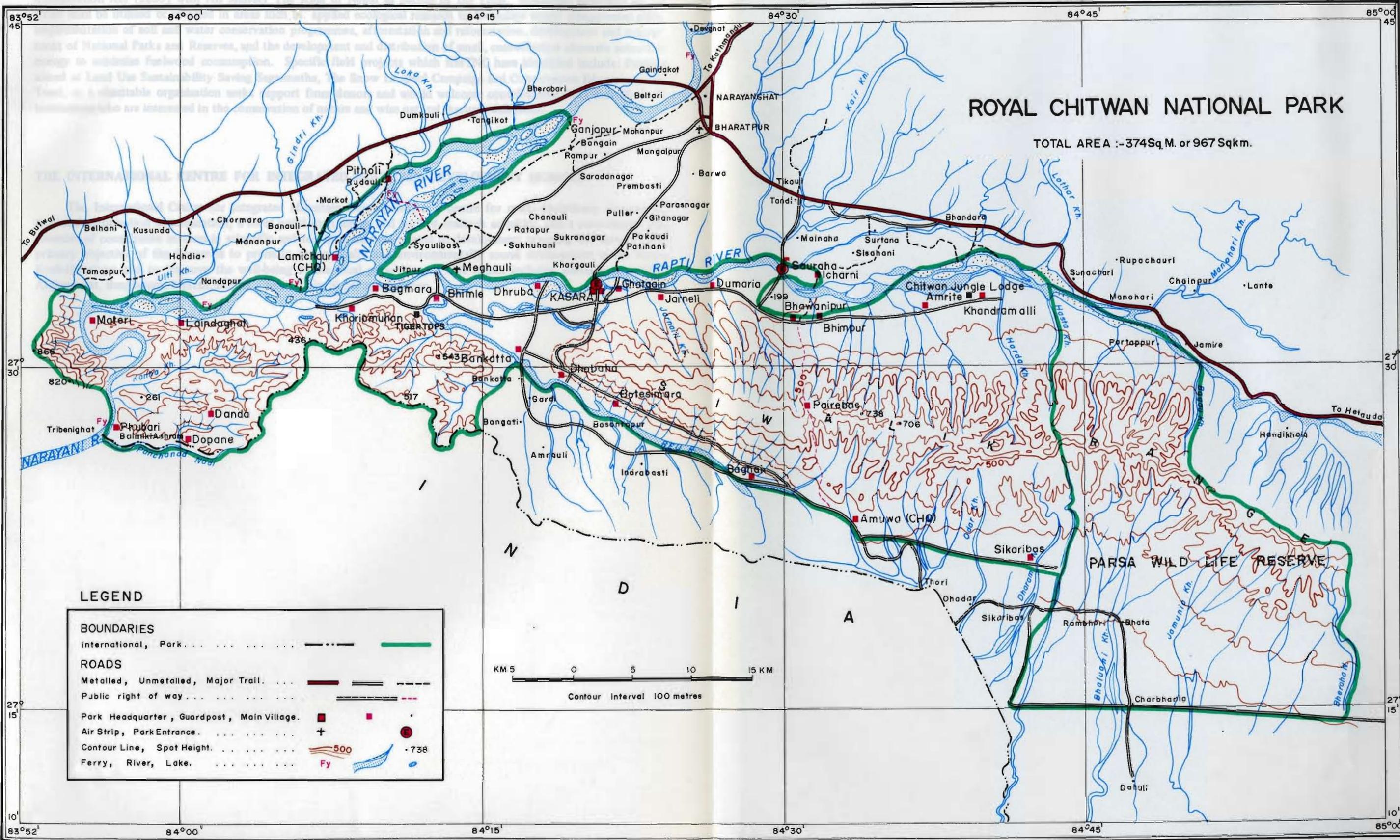
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Annex VI.



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