

FOREST AND WILDLIFE

Biodiversity -> Species diverse in form and function but closely integrated in a system through multiple network of Interdepencies.

Flora and fauna in India

- * 8% of total species in the world (1.6 million)
 - · 81,000 Species of Jauma
 - · 47,000 species of flora [15,000 follower species are endemic to India]
- * 10% [wild flora] and 20% of mammals are threatened list eg. Chertah,
 Pink headed duck, moutatain quail, forest spotted aulet, Hubbardia.
- * Pace of Extinction.

Vanishing forest

- * Total forest cover = 24.01%
- * Dense forest = 12.24%
- * Open forest = 8.99%.
- * Hangroves = 0.14%
- * According to state of forest, forest area increase by 10,098 sqlkm since 1997.

Limitation

* It does not differentiate between natural forest and plantation.

TUCN Classification

Normal species -> Population level are normal for their survival ex. cattle, sal, Pine.

Endangered species * In danger of extinction

* Survival may not be possible if threats to their

Population continous to operates eg Black Buck, lien
tailed Hacaque.



vuenerable species

* Decline in the population from where they are likely to move into the endangered category, if the threat continous to oposite. ex Blue sheep, Asiatic elephant, trangetic species.

* Rane Species

* Endemic species - found in Particular area only eg Andaman teal:

* Extinct species - Not found after searches, where earlier they used to

- A species may extinct may from, local area, region (ountry, or the entire earth eg Asiatic cheetah, Pink had head duck.

Depletion of flora and fauna

factors responsible

* Loss during colonial beriod due to Railways, commercial, scientific forestry and enouchment of plantation.

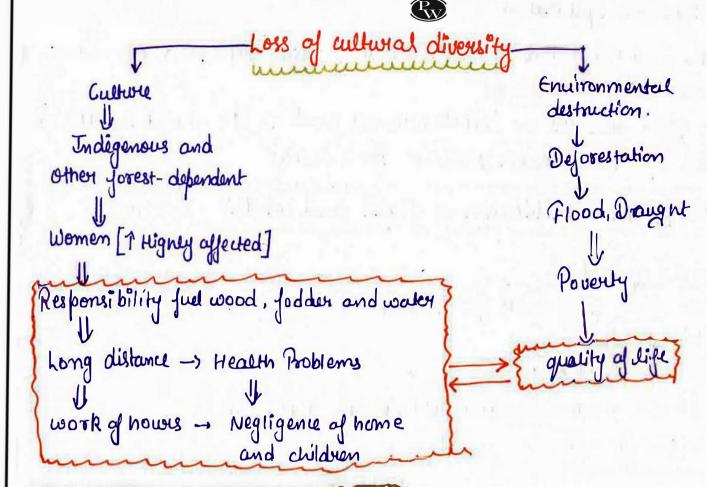
* Agriculture expansion. - According to forest survey of India 26.200 Sq/km of forest area converted to agriculture its due to slash and Burn agriculture (Jhum) in north eastern and Central India.

* Large scale development Projects eg Narmada sagar Project, Dolomite mining.

* Human and natural factors

Impact of destruction of forest and wildlife

- * 1/2 ay Natural forests are gone
- * 1/3 of wetland's drained out.
- * 70% of surjace water bodies are polluted.
- * 404 mangroves wifed out.
- * Thousands of species are heading towards extinction.



Conservation & Jorest and willife

- Traditional Crop varieties

 Jisheries on aquatic biodiversity.
- -> Steps taken to conserve
 - *Indian wildlife Protection act [1972]
 - . An all India list of Protected species was published.
 - Banning, hunting, giving legal Protection to their habitat, Restricting trade in wildlife
 - ·) Establishment of National Park and wiedlife Santuaries.
 - e) Project to Protect specific animals, such as tiger, one normed Rhinocorous

-> Project tiger (1973)

- · Population decreage journ 55,000 ito 1,827 due to
- · Poaching for trade, shrinking habitat, depletion of Prey base species



Culture

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Chaironmental

destruction.

Deforestation

Other forest-dependent

Women [1 Higney affected]

Responsibility fuel wood, fodder and water

Long distance -> Health Problems

Quality of life

work of hours -> Negligence of home

and children

Conservation y lovest and willife

- -> Conservation Preserves to ecological diversity

 It preserves genetic diversity.

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- · Chippo Hovement -> Resisted deforestation and also surved the traditional consecution by community offerestation,
- Bee Bachao Andolan -> In Telvi and Navdanya, diverse variety of crop is produced without the use of synthetic and chemicals.
- JEM (Join forest Management) -> Involving local Communities in sustoration of degraded forests.
 - In 1988, state of onessa passed first susolution of JFH.
 - local Institute takes up the protection activities on lands managed by gout.

Sacred groves

Tribal Belief
Nature worship

Preserved several forests

Sacred groves le

the forest of god and godders .,

o Hundo and Santhal of chota nagpusi worship Hahua and Kadamba.

Tribes of onissa and Bihan worship twimowind and Hango dwing wedding

considered as sacred.

In Bishnoi willage of Rajasthan, herds of Blackbucks, milgai and beacocks and integral Parts.