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PERMACULTURE

Earth care. People care. Fair share.

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Introduction

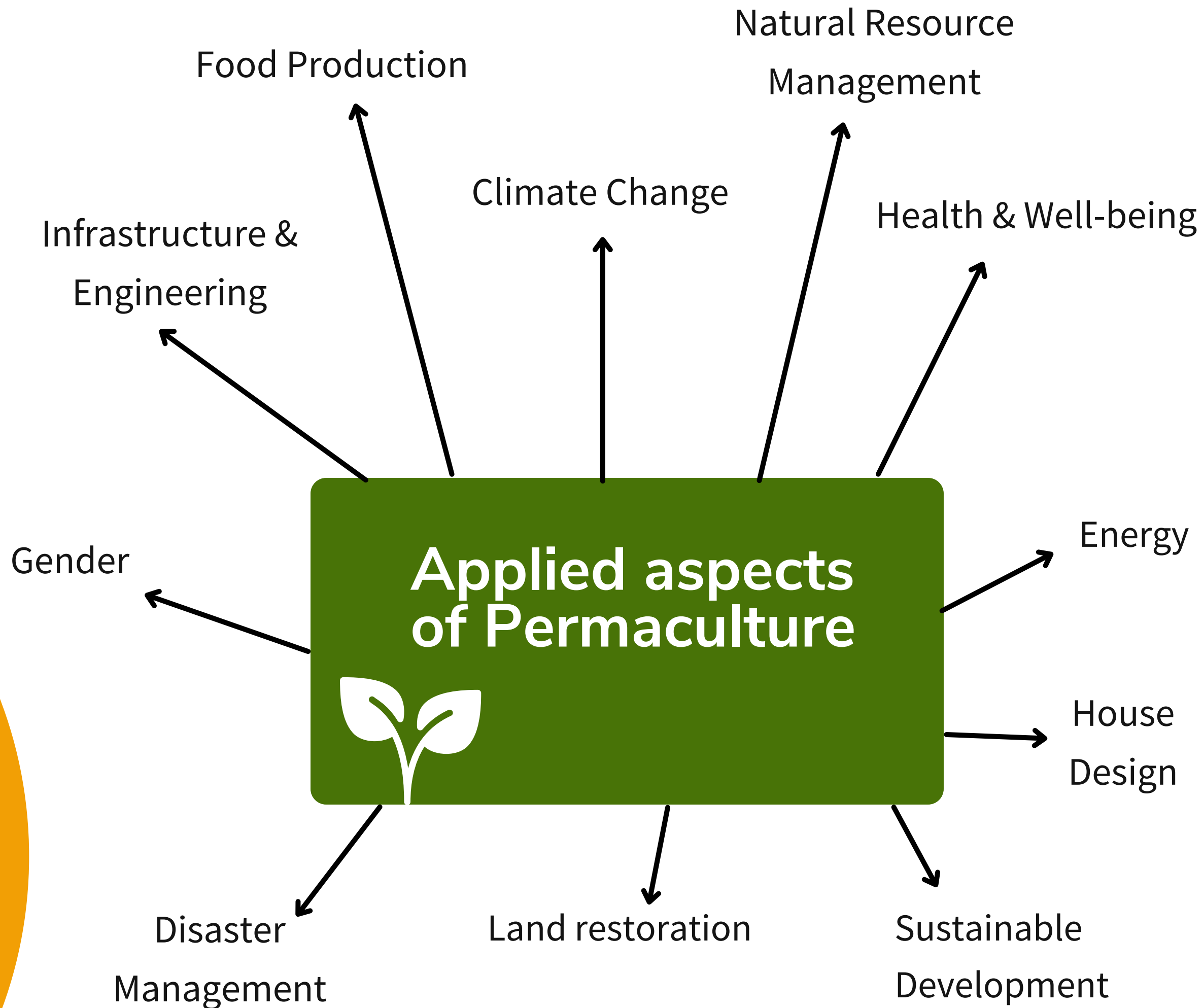
What is permaculture?

Permaculture is an art and philosophy of designing a livelihood system where the material and non-material needs of human beings are produced with the most efficient use of the available resources without damaging the production potentialities of the future.

**- Govinda Sharma,
HASERA Founder**



**Though
Permaculture
emphasizes
sustainable
food
production,
we can apply
the principles
to every
aspect of life.**



Goals

Sustainable income, improved health and wellbeing, food security, climate risk mitigation, soil remediation, ecosystem restoration, local governance, gender empowerment, market access, financial inclusion, community resilience, waste reduction, water security, and natural resource management



Vision & Mission for Our Farm



Vision

To support the journey of a women's cooperative who are motivated to own a self-sustaining, diverse farm business and soap factory



Mission

To produce the vegetable needs and sustainable income through the sale of diverse value-added farm products (pickles, jams, soaps) for at least 5 women and their families



How are we already implementing permaculture design on our farm?



01

No Chemical Inputs

We have not used anything on the farm for >1 yr

02

Improved Soil Fertility

Adding manure, mulch, cover crops to build soil organic carbon to >30%

03

Making Our Own Biofertilisers

such as *Jholmal* (biofertiliser) and *Jivamrit* (biopesticide) to manage insects and fungus, and reproduce native microbes

04

Mixed Cropping

Instead of monocultures, which are all one plant, we plant polycultures, which means a mixed group of plants. We also rotate our crops

Observe & Interact with Nature

Observations
from this
past year

Insects

There are more beneficial and harmful insects on our farm



Vegetable

The seeds we sow grow better saplings than the ones purchased from outside

Soils

Soil was very dry and sandy before we started adding manure and natural fertilizers. Now the soil has become healthier



Flood

We see bamboo grows well on the edge of water and so we will plant as many bamboo as we can

01

Plant Layered Food Forest

small to medium-sized fruit trees (mango, starfruit, lychee, guava, lemon) and a row of banana trees, shrubs, herbs, root layer & vines

02

Grow Herbs

a variety of herbs and flowers for soap, cooking and medicinal purposes after our Herb Nepal training

03

Encourage bamboo planting

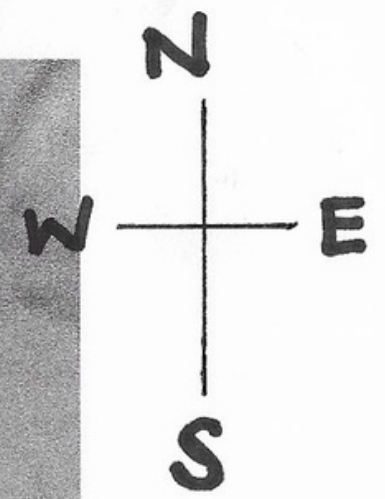
Nripal advised Dhurba to plant bamboo all along the river embankments to mitigate flooding, reduce soil erosion, and improve the local ecology



Future plans for permaculture on our farm

EXISTING STRUCTURES

- CHICKEN HOUSE
- POLYTUNNEL
- RAMADA (SHELTER)
- TOILET
- WATER PUMP



Boundaries & Existing Structures

The existing structures on the property include: a chicken coop (12m x 6m), polytunnel, a toilet (2m x 1.5 m), a water pump (2m x 1.5 m), and a small shelter (4m x 3m)

Contour Map

Altitude: 184-186m

Precipitation: 2100mm/annum

Latitude: 38N.

24hr Extreme: 500mm.

Dangers: Flood, Drought

I. BOUNDARY / CONTOUR MAP



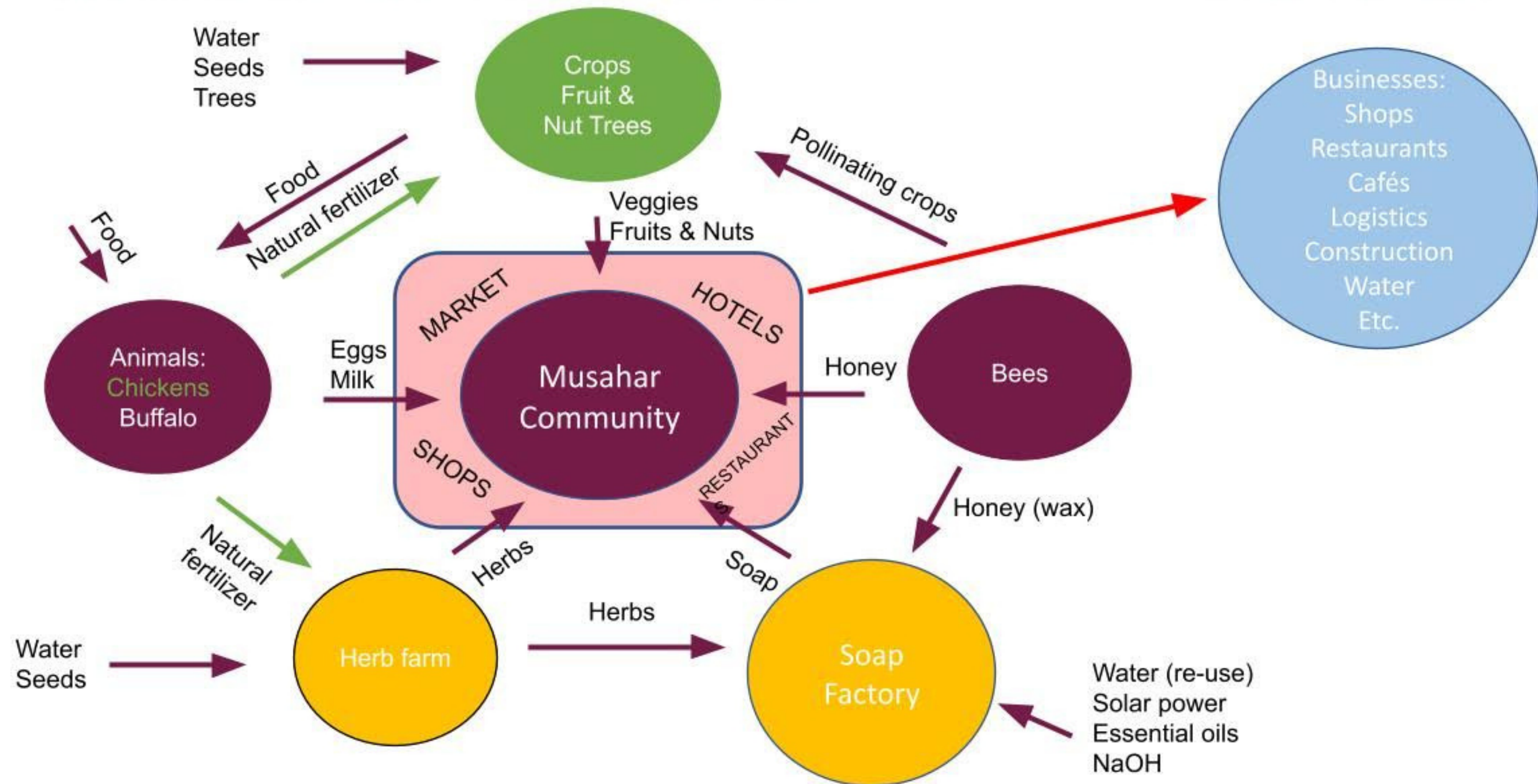
ALTITUDE: 184-186m
PRECIPITATION: 2400 mm,
annual.
LATITUDE: 27°N
24 HR EXTREME: 500mm
DANGERS: FLOOD

Mapping Connections

One's waste is another's food

6 DEGREES ECO VILLAGE CHITWAN: PLAN 2021-2023

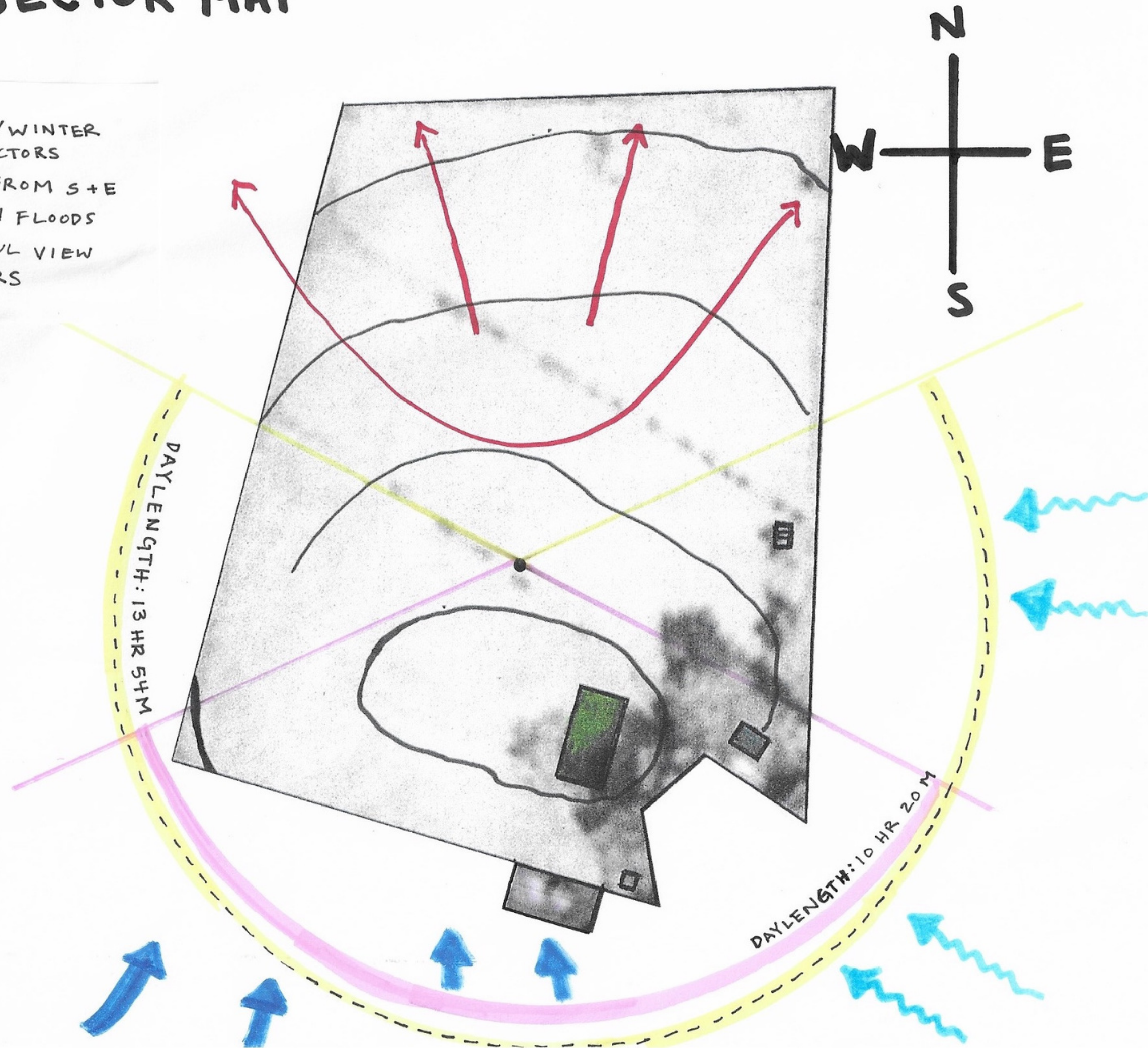
PLAN 2024 ONWARDS



Contributors: SVSI - Local Government - (Local) Experts and trainers - (Local) Companies - Donors - Investors - Other Organisations/(I)NGO's

2. SECTOR MAP

- SUMMER/WINTER SUN SECTORS
- WINDS FROM S+E
- MONSOON FLOODS
- BEAUTIFUL VIEW
- CONTOURS



Sector Analysis

- I. Water
- II. Access
- III. Planned Structures

Permaculture Zones

All areas of work or interaction can be broken down into how many steps it takes to get there and back, plus how long a time you'll spend there and how frequently you visit.

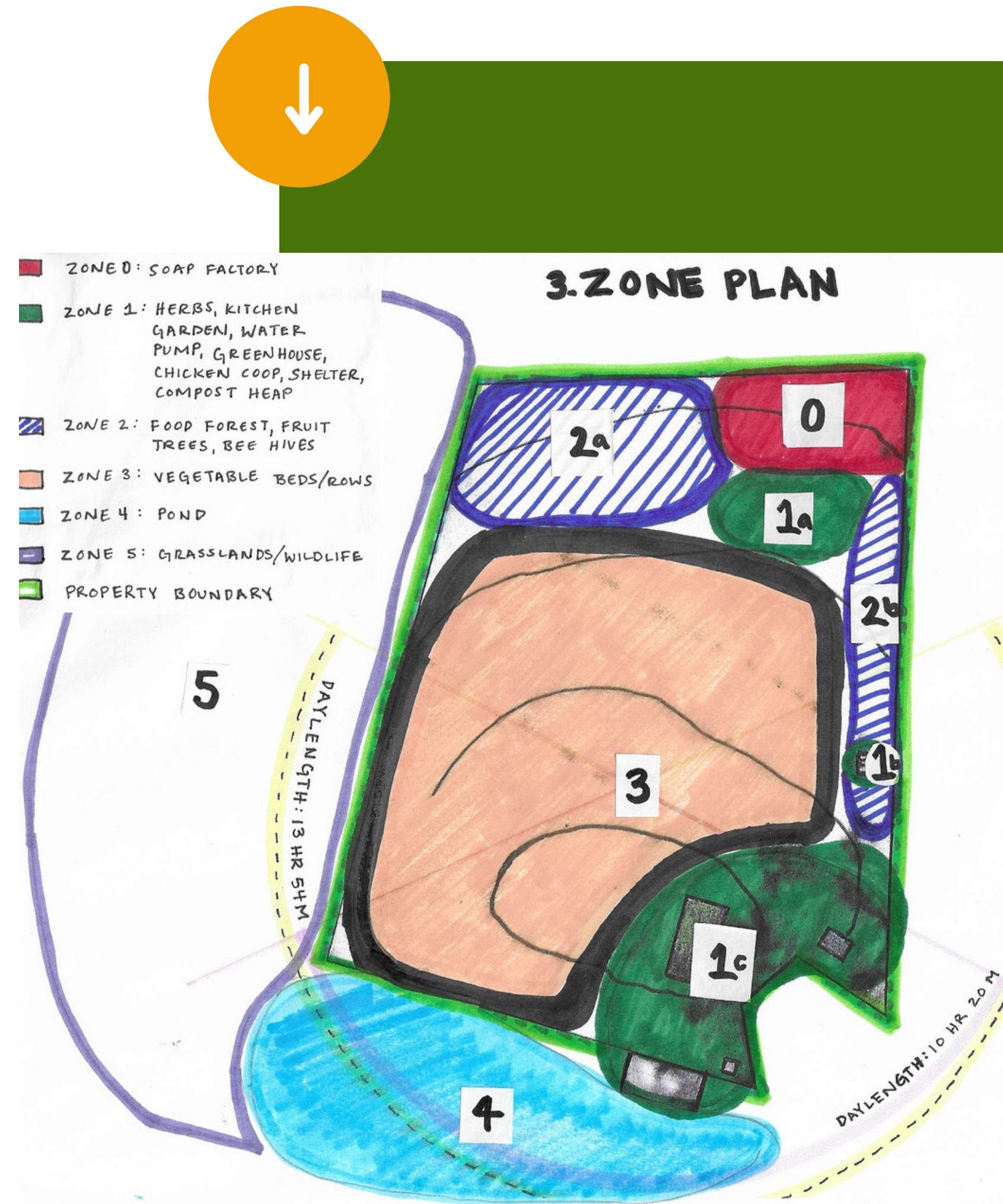
Zone 0 is the home

Zone 1 is the area immediately around the home. All the daily chores should happen in zone 1 or the edge of zone 1 & 2

Zone 2 features weekly or more regular work

Zones 3 and 4 are areas where work is done biweekly, monthly, or seasonally

Zone 5 is wilderness



Our Next Steps

Timeline for mid-2022

	April	May	June	July
Tasks				
Herb Nepal Training	█			
Research local herbs to plant	█			
Research local market costs of small-med sized fruit trees		█		
Start planting food forest and harvest vegetables			█	
Plant bamboo and lemongrass on south side			█	
Sow new seed varieties for vegetables			█	

