

## Habitat Assessment & Planning – Rural Spatial Development for Climate-Resilient Villages

*Client:* Environment Protection Agency, Gilgit Baltistan

*Timeline:* Dec 2021 – Dec 2023

*Locations:* Khunjerab Pass, Attabad Lake, Upper Kachura Lake, and Babusar Top, Pakistan

*Role:* Assistant Urban Planner

### Technical Methods & Tools

- QGIS, spatial zoning analysis, environmental analysis, carrying capacity modeling, stakeholder consultations.

### Contribution

- Conducted environmental sensitivity mapping to identify protected zones, high-value biodiversity areas, and fragile ecosystems for baseline assessment.
- Coordinated consultations with local communities, tourism operators, and environmental agencies to align planning with socio-economic needs.
- Evaluated visitor thresholds for each site based on infrastructure availability, environmental resilience, and safety standards.
- Defined functional zones (hospitality, leisure, commercial, recreational), ensuring compliance with conservation policies and land-use regulations.
- Recommended eco-friendly facilities such as boardwalks, zipline routes, boating docks, hill-view parks, and nature trails with minimal ecological footprint.
- Proposed interlinked tourism clusters to optimize travel routes and reduce environmental pressure on single sites.

### Key Outputs

- Four site-specific tourism strategies with zoning maps and infrastructure placement guidelines.
- Actionable recommendations to diversify tourism while preserving natural and cultural assets.

### Impact

Delivered a framework for **responsible, low-impact tourism** that supports local livelihoods and protects Gilgit Baltistan's ecological integrity.

### Final

**Proposed plans are from the next page:**

# Eco-tourism Proposal Khunjerab Pass

Located very close to the China-Pakistan Economic Corridor (CPEC) so, the benefits can be taken from this opportunity in increasing the number of tourists and developing tourism in a sustainable way.

The benefits from this opportunity can be taken in the form of introducing new types of tourism at Khunjerab pass, including trekking and mountaineering. The hill point has the potential for cultural tourism.



# Eco-tourism Proposal

## Attabad Lake

Attabad Lake is a lake located in the Gojal region of Hunza Valley in Gilgit-Baltistan, Pakistan. It was created in January 2010 as the result of a major landslide in Attabad.

Atta Abad

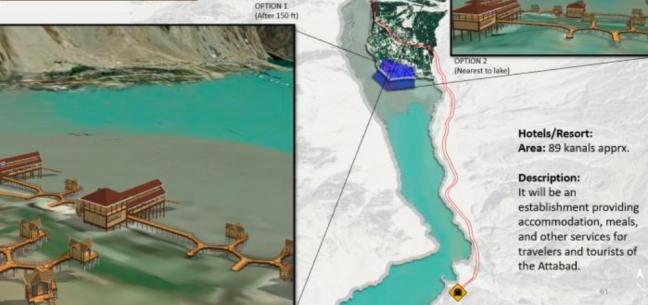
**Total Length:** 20.9 km  
**Length covered in the project:** 7KM  
**Max. depth:** 109m (358 ft)  
**Location:** Attabad, Gilgit-Baltistan, Pakistan

### Proposed Master Plan

- [Blue Box] Hospitality
- [Yellow Box] Commercial (150 kanals approx.)
- [Light Blue Box] Leisure Spaces (330 kanals approx.)
- [Dark Blue Box] Bay Boats
- [Yellow Box] Parking (60 kanals approx.)
- [Green Box] Plantation
- [Orange Box] ZIPLINE
- [Light Green Box] Board walk
- [Light Blue Box] Marina track
- [White Box] Trek

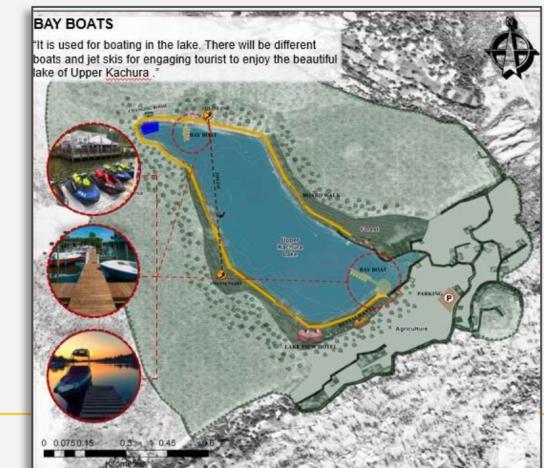
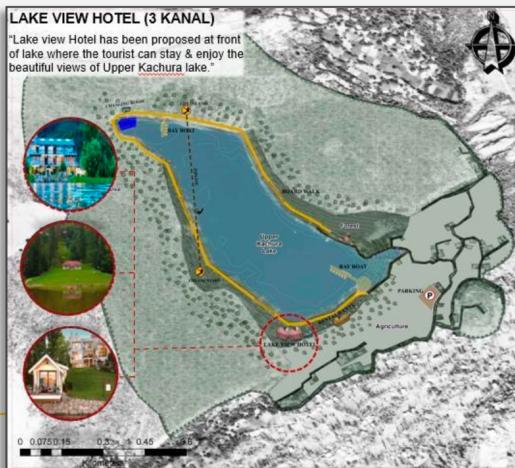
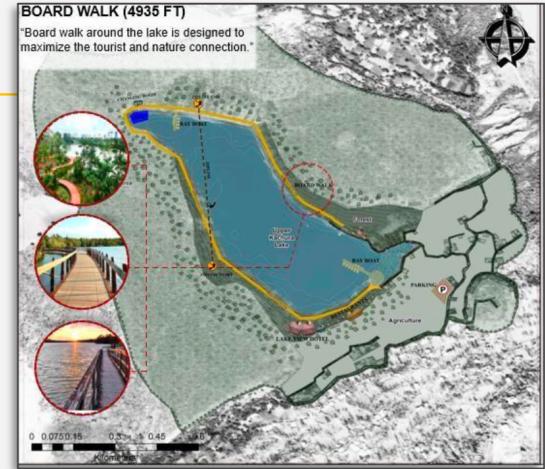
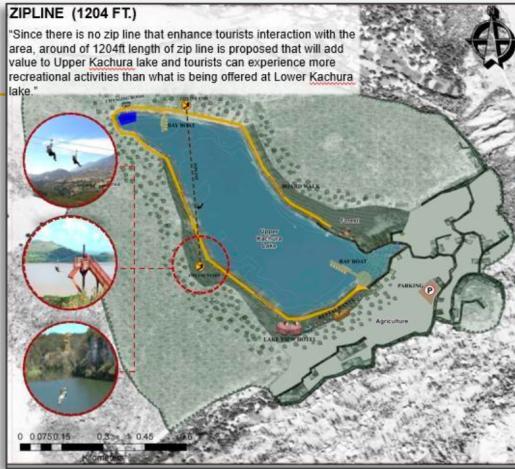


### Hospitality: Hotels and Resorts





# Eco-tourism Proposal Upper Kachura Lake

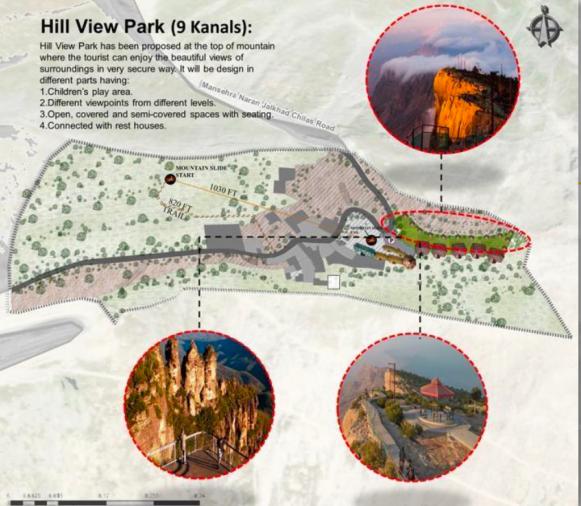
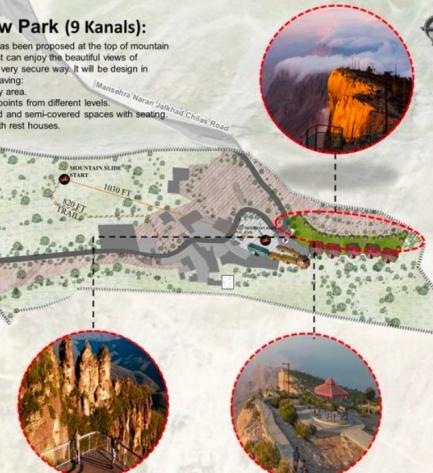


# Eco-tourism Proposal Babusar Top

**Hill View Park (9 Kanals):**

Hill View Park has been proposed at the top of mountain where tourist can enjoy the beautiful views of surrounding in a safe way. It will be design in different parts having:

1. Children's play area.
2. Different viewpoints from different levels.
3. Open, covered and semi-covered spaces with seating.
4. Connected with rest houses.

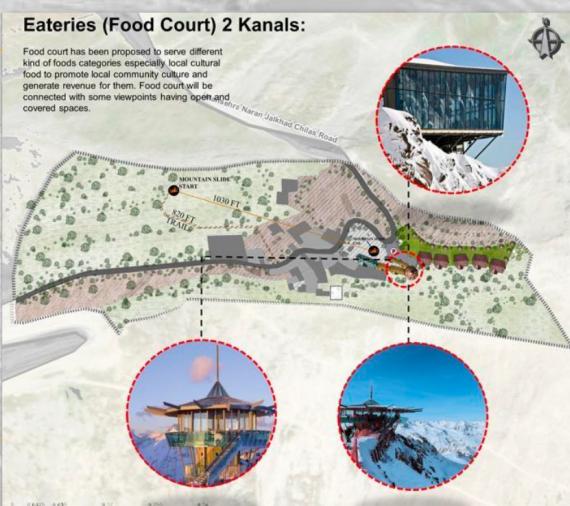
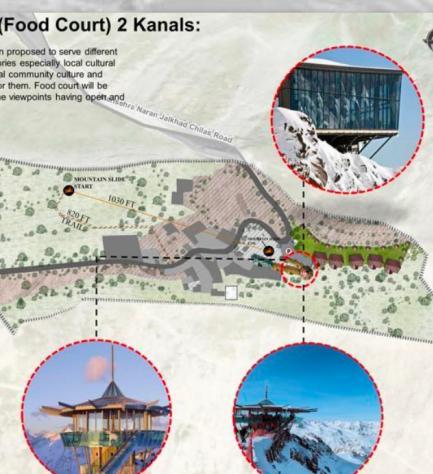
**Hiking Trail (820 FT):**

Hiking trail has been proposed to approach the starting point of mountain slide/Summer toboggan. This trail will be designed in fully dramatic and interesting way by adding plants etc. Tourist will not bore while going upwards.




**Eateries (Food Court) 2 Kanals:**

Food court has been proposed to serve different kind of foods categories especially local cultural food to promote local community culture and generate revenue for them. Food court will be connected with some viewpoints having open and covered spaces.

**Plantation:**

There is not even a single plan on the site. It's our duty to make this earth environment friendly. We can do a lot of efforts in this to make the one peak environment friendly. The best example is Spruce is a tree of the variety Picea, a sort of 35 types of coniferous evergreen trees in the family Pinaceae, tracked down in the northern calm and boreal districts of Earth. Trees has been proposed on all-around the road and other levels of contours.

