

# Checklist: Environment Assessment related to MHP projects in Ethiopia

Degradation	none	low	medium	high	unknown	notes
Landslide						
Cattle step						
Gully erosion						
Badlands						
Alternation of discharge						

## Landslides

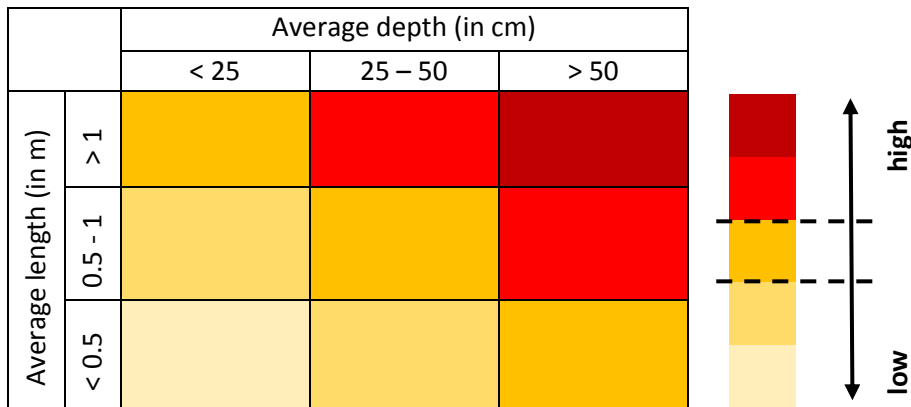
		Average magnitude in m			
		< 5 x 5	< 10 x 10	>= 10 x 10	
Average quantity/5 km <sup>2</sup>	> 1				
	1				
	< 1				

## Cattle step

		Vegetation cover			
		Grass, shrubs, trees	Grass cover	Bare soil	
Area in ha	> 10				
	5 - 10				
	< 5				

More than one cross is possible. Table above should be filled in according to prevailing color. In doubt cross the darker one.

### Gully Erosion



### Badlands

Low = < 0.25 ha

Medium = 0.25 – 0.5 ha

High = > 0.5 ha

### Alternation of discharge

(Difference between annual discharge rates in % (use average difference if data from more than two years is available))

Low = < 10

Medium = 10 - 25

High = >25

Land use		none	low	medium	high	unknown	notes
Cultivation	Permanent crops*						
	Annual/temporary crops**						
Grazing							
Forest ***							
<b>Land use practices</b>		Is applied		Is not applied			
Slash and burn practice							
Irrigation							
Drainage							
Rotational land use							

\*list crop types according to quantity

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\*\*\* cross the prevailing forest type/use

<i>natural</i>	<i>human</i>
<i>indigenous</i>	<i>exotic</i>
<i>timber/firewood</i>	<i>no use</i>

### Cultivation, Grazing, Forest

(in % of the respective area assessed)

Low = < 5      Medium = 5 – 25      High = >25

Natural resources		none	low	medium	high	unknown	notes
Slope							
Wetlands							
Springs****							
Flood events							
Waterways	With vegetation buffer						
	Without vegetation buffer						

### Slope

(Average, in %)

Low = < 5      Medium = 5 – 15      High = > 15

### Wetlands

(in % of the respective area assessed)

Low = < 1      Medium = 1 – 5      High = > 5

### Springs

(Average number per km<sup>2</sup>)

Low = < 1      Medium = 1 – 3      High = > 3

\*\*\*\* cross the prevailing spring type

<i>fenced</i>		<i>unfenced</i>	
<i>With forest cover</i>		<i>Without forest cover</i>	

### Flood events

(Annually)

Low = 1      Medium = 2      High = >2

### Water ways (with and without vegetation buffer)

(in % of total length)

Low = < 25      Medium = 25 – 50      High = > 50

Mitigation Techniques	Is applied	Is not applied	unknown	notes
Terracing				
Afforestation				
Gully rehabilitation				
Agroforestry				
Cultivation along contour lines				
Fencing of plots				
Protection of sources and wetlands				

Human Settlement	none	low	medium	high	unknown	notes
Road						
Settlement						
Church						
School						
Market						
Health center						
Other public services						
Other economic activities						

(Referring to the entire area)

Low = 1

Medium = 2

High = > 2



Red and green colors in the tables indicate, whether a low or high occurrence of the respective feature is rather positive or negative (Red = negative, Green = positive).

Note: The colors only give an indication, nonetheless it should be noted that for example forest which is used for timber and firewood is better than no forest for the environment condition of the watershed.