

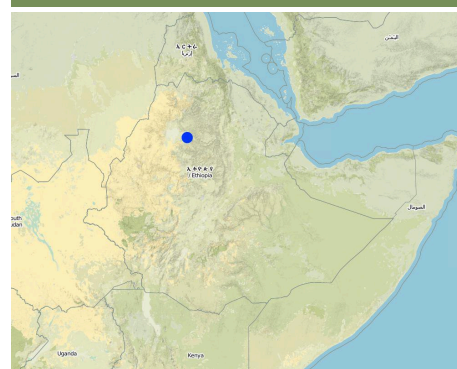


Paved and grassed waterways ()

Feses (Amharic)

A waterway is an artificial drainage channel constructed along the steepest slope to receive runoff from cutoff drains and graded structures and drain to the natural waterway safely.

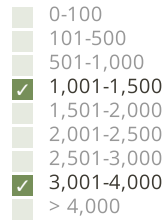
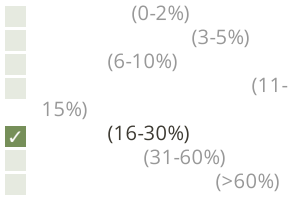
A vegetative waterway is constructed in areas where stone is not available and in gentle slopes. Paved waterways are suitable in steeper terrains and areas with large amount of stones. The waterway carries excess water to the river, reservoirs or gullies safely without creating erosion. It is applicable in all areas where excess water is generated when high rains are received which are beyond the intake capacity of soils. The excess water then will have to be disposed safely to natural outlets. Waterways are established a year or two before cutoff drains and field structures are constructed. Vegetative waterways are formed by digging earth channel across the contour in the direction of flow. After making the channel suitable grass species are planted or are made to establish naturally. Maintenance is very vital in waterways. Breaks in channel or embankments, moving of silt deposited or keeping the grass shorter in order that it does not obstruct flow. Vegetative waterways could be stabilized by planting short growing grasses, sodding or letting natural growth.



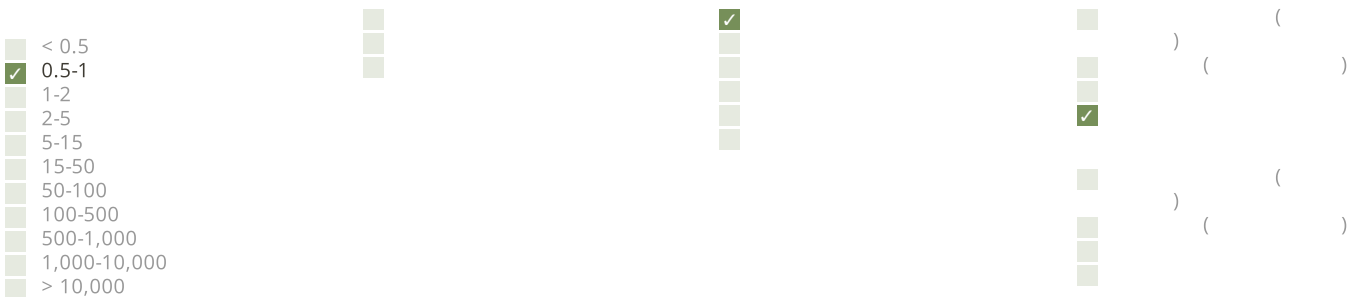
: Genbegna, Ayiba, Megish, South Gonder,

		:
		:
• 38.01, 11.84		
		:
2)		(approx. 10-100
		?:
		:
()		50
		(> 50)
		/





SLM

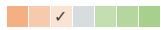


SLM

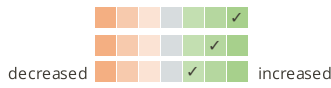




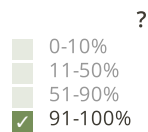
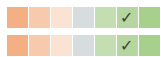
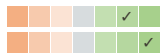
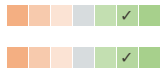
SLM /



Soil fertility



) (



: / / :

:

/ / :

- due to increased benefit obtained by the community and awarness created
- How can they be sustained / enhanced? better/proper followup, maintenance, monitoring and evalution, expansion of the technology. Establish bylaws,regulations to protect assetes created.
- increased fodder production
- How can they be sustained / enhanced? provision of suitable planted material.



Editors

Berhanu Fentaw

Fabian Ottiger
Alexandra Gavilano

: 2

2011

: 10

2019

Berhanu Fentaw - SLM
Zena Estifanos - SLM

https://qcat.wocat.net/km/wocat/technologies/view/technologies_1079/

SLM

- Ministry of Agriculture and Rural Development of Ethiopia (Ministry of Agriculture and Rural Development) -
-

This work is licensed under [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International](#)

