Animal-Built Embankment (ABE)

The main principle of building an ABE is that it may be made using resources available to local farmers. ABE uses farm animals, specifically carabaos and cows, instead of tractors in its construction.



The tools needed to construct an animalbuilt embankment are generally available in any local farmers' arsenal. ABE makes use of wooden animal-drawn scrapers (ADS) instead of other mechanical tools.



ADS is made with wooden planks.



ICRAF Philippines Office

2/F Khush Hall, International Rice Research
Institute (IRRI), Los Baños, Laguna 4031

PO Box 35024, UPLB, College, Laguna 4031,
Philippines

Phone: +63 49 536 2701 or +63 2 845 0563 (ext. 2544, 2675, 2860) | Fax +63 49 536 2925 Email: icraf-philippines@cgiar.org Rodel D. Lasco, PhD

ICRAF Claveria Research Site

MOSCAT Campus, Poblacion, Claveria, 9004

Misamis Oriental, Philippines

Mobile: +63 915 203 9868, +63 920 523 8552

Email: a.mercado@cgiar.org/

agustin9146@yahoo.com

Agustin Mercado, Jr., PhD



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Agroforestry







What is an Embankment?

Embankments are mounds of soil, mud, and stone with a basin-like structure that are usually used in building pans, ponds and dams. These embankments allow collection and storage of water.

Rainwater Harvesting Ponds

Ponds like these are used to gather and store rainwater for livestock. These ponds are helpful in conserving water and cutting cost on water supply in a farm. Rainwater harvesting ponds in the Philippines are usually built with animal-built embankments (ABE).



How do you build a Rainwater Harvesting Pond?

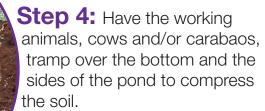
Step 1: Measure the desired area of the pond, and mark the parameters. Measuring tools are not required to do this; a stick or tree branch will do.



Step 2: Plough the land using

any available conventional

Step 3: Scrape and mount the ploughed soil using the wooden animal-drawn scraper (ADS).



Step 5: Create an inflow canal from the roadside or any other catchment area to direct the water flow to the pond.

