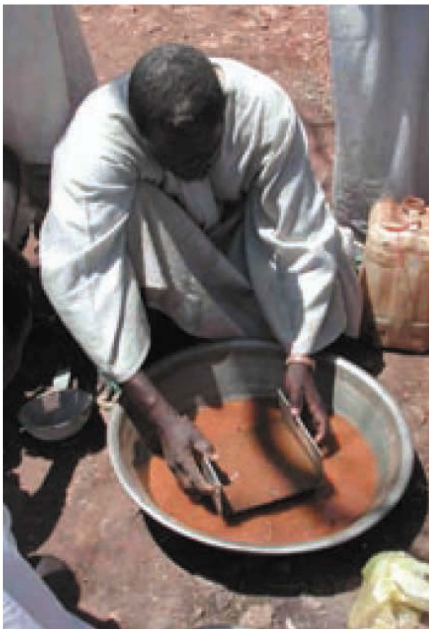




Cleangold in Lao PDR. Photo by Marcello Veiga



Cleangold Cleanup Trough



Cleangold in Sudan. Photo by Marcello Veiga

artisanal and small scale fine gold recovery with **cleangold**[®]

simple.

Anyone can quickly learn to use the Cleangold sluice to recover free, fine and micron-sized gold. Non-motorized and non-mechanical, Cleangold quickly recovers fine gold to 5 microns.

non-chemical.

Cleangold's specially prepared, patented plate creates a riffle system from magnetic sands, allowing excess materials to pass through the sluice while trapping gold. The only materials required for Cleangold to operate are ferromagnetic sands and water. If an ore source does not contain magnetite naturally, the Cleangold sluice can be pre-charged with recyclable magnetic sands or iron grains from manmade sources (e.g. iron lost at welding and grinding).

efficient.

The dynamic nature of Cleangold riffles allow large amounts of material to be processed using laminar flow and small amounts of water. The high capture rate of the Cleangold method enables concentrates to be economically reduced by hand and gold can then be recovered without the use of mercury or cyanide. Cleangold uses little water and does not require clean water. Cleangold was specifically designed to work in low water flow conditions.

powerful.

First pass recovery rates with Cleangold are at least 90% under static conditions with fine material. Because Cleangold processes ore quickly, tailings and concentrates can easily be rerun to further increase recovery. A small stream of water can process one tonne of heavy black sands in one hour. A 20 liter bucket of concentrates can be processed through the Cleangold Cleanup Trough in approximately five minutes, using about 20 liters of water.

versatile.

Lightweight and portable, the Cleangold Prospector's Sluice is ideal for fast investigation of an ore source or running a final concentration before extraction. Our Cleanup Trough is designed to process greater amounts of concentrates. Larger Cleangold sluices are used for primary stage recovery at or near the ore source.

inexpensive.

Cleangold products range from \$40 USD for our smallest unit to \$250 for our folding primary recovery sluice. Custom inserts designed to fit a miner's current sluice box average \$175.

proven.

In recent independent testing at University of British Columbia's Department of Mining and Mineral Process Engineering, Cleangold outperformed their bench centrifuge and we are recommended by UNIDO's Global Mercury Project. Cleangold has been successfully field tested in Asia, Africa and the Americas.

practical.

Cleangold is a viable alternative to chemical extraction and is an environmentally benign method to increase fine gold recovery. Please visit our website or call for more information.

cleangold[®]

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Photomicrograph nominal magnification 100X

