

EM!



with Financial Support of
Canadian Consulate: Canadian Embassy in Beijing



NINJA MINERS PROJECT

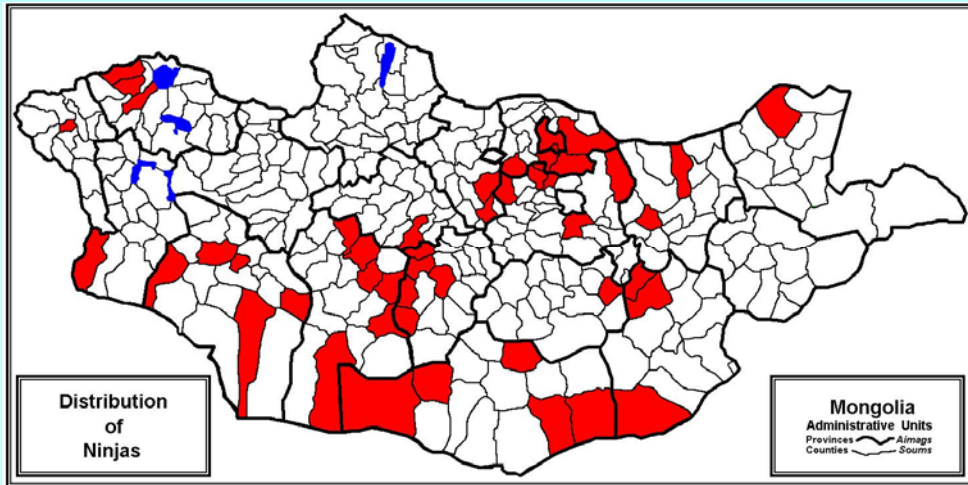
Technical Assistance from
Eco-Minex International Ltd
Murray Harrison Ltd

Welcome to
the Ninjas

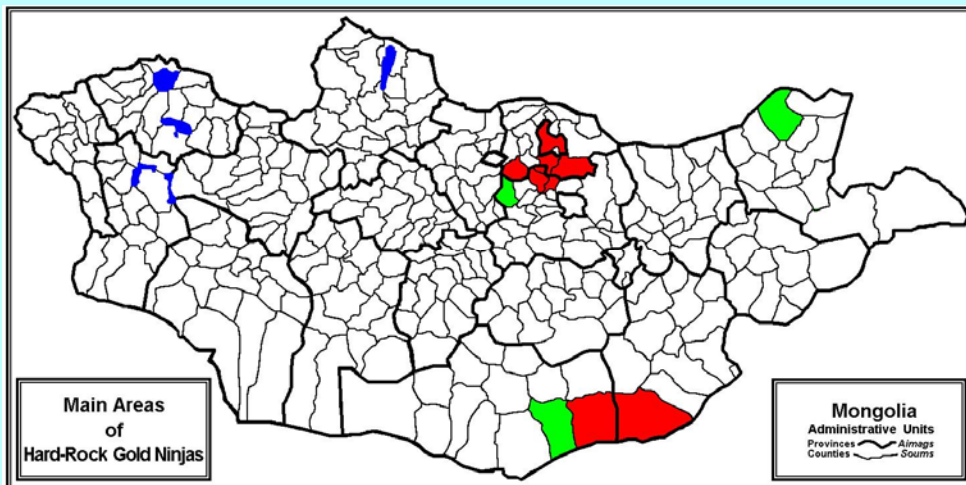


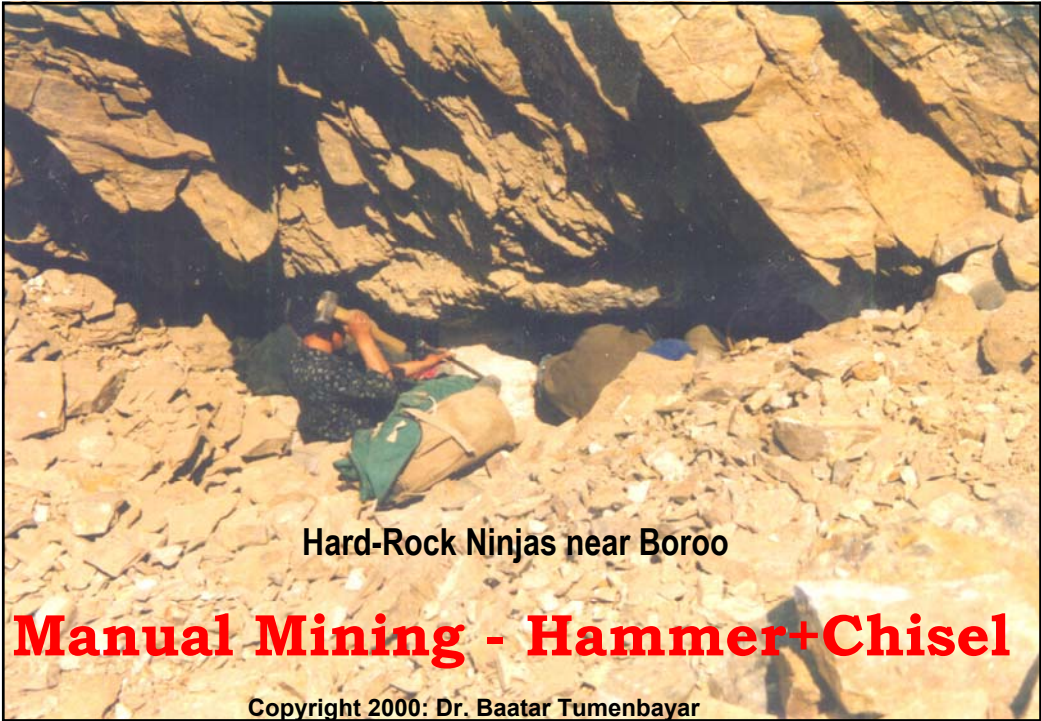
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100,000+ 'Ninjas' illegal miners



20,000 Hard-Rock Gold Ninjas





Hard-Rock Ninjas near Boroo

Manual Mining - Hammer+Chisel

Copyright 2000: Dr. Baatar Tumenbayar



Hard-Rock Gold Ninjas

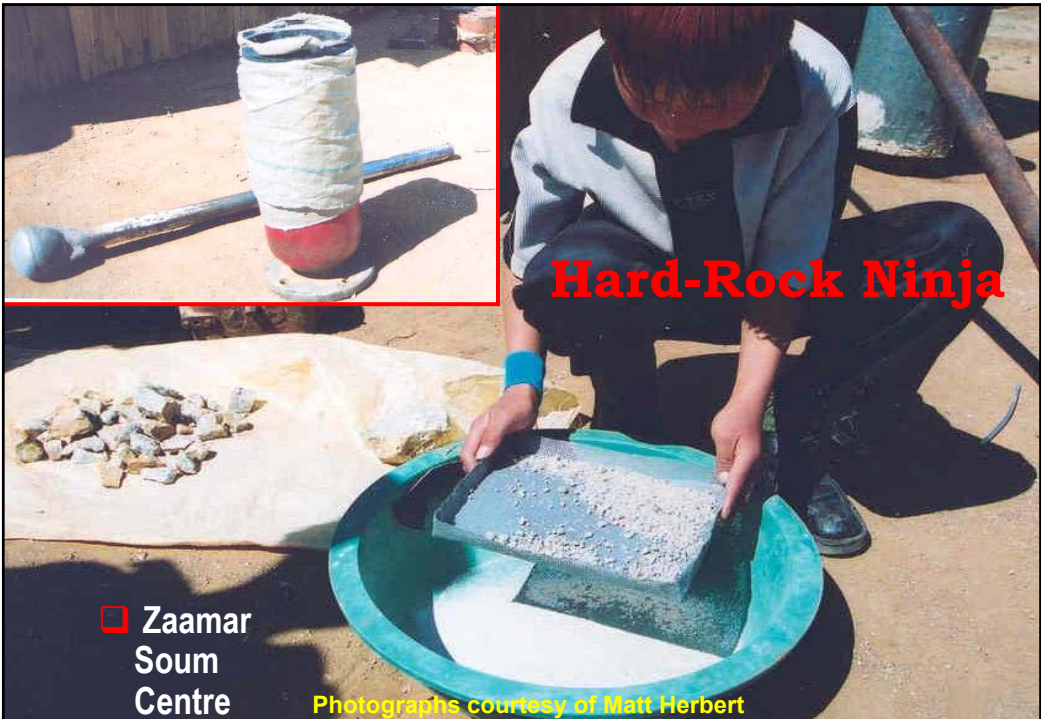
Copyright 2000: Dr. Baatar Tumenbayar





Manual Crushing

Photograph courtesy of MONEF/ILO



Hard-Rock Ninja

 Zaamar
Soum
Centre

Photographs courtesy of Matt Herbert





Mechanical Mill

Copyright 2003: MBDA



**Washing Milled Rock
in a Sluice**

Photograph courtesy of ILO/MONEF



Tg300

Since 1991

the

MONGOL MESSSENGER

No. 07 (501)

MONGOLIA'S FIRST ENGLISH NEWSPAPER

Wednesday, February 14, 2001

Mercury Contamination in the Boroo River

By L. Collins

The fate of the Boroo River hangs in the balance, threatened by at least 10 tonnes of toxic mercury. Robin Grayson, the General Director of the joint Mongolian-British venture, Eco-Minex International Co. Ltd. (EMI), reports that his business partner, Dr. Tumenbayar,

show that over time, enormous amounts of mercury have leaked into the soil beneath the factory, and were lost in the sluices into the river. For every tonne of gold recovered, at least at tonne of mercury was lost.

EMI estimates that a worrying 10 tonnes of mercury is now in the soil beneath the ruins of the factory, under adjacent grazing land and beneath the corner of a cereal field. The mercury is there

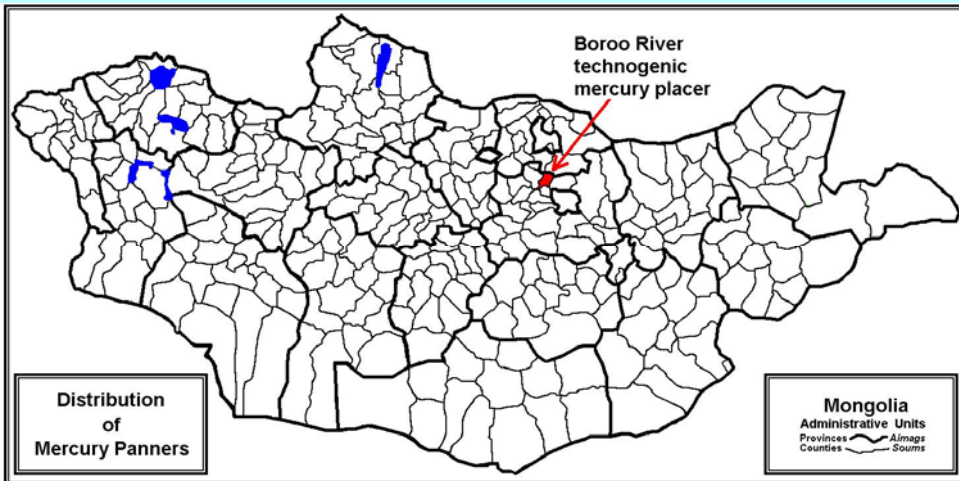


Mercury being heated over a Ger Stove

PHOTO: Tumenbayar

This went on until 1956 when the mercury per ton of soil and a cottage industry here, all

300 Mercury Mining Ninjas



Mercury Ninjas

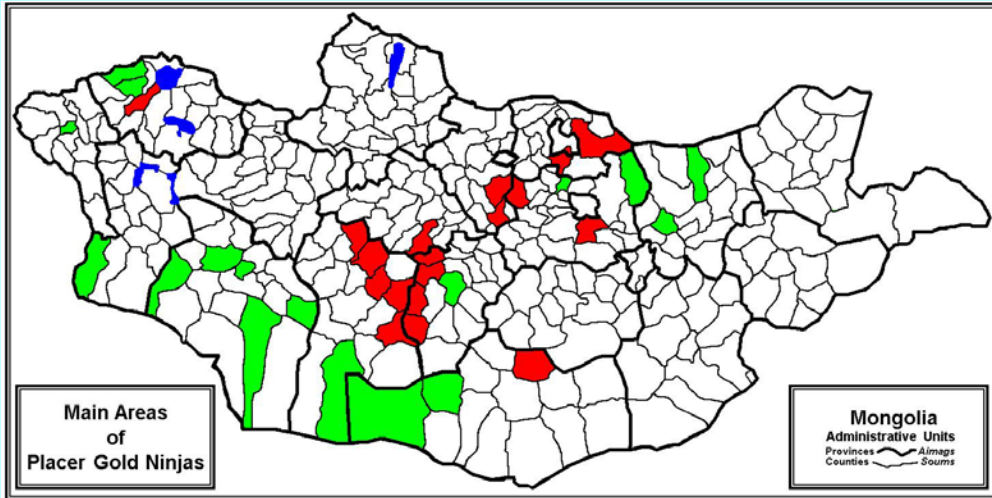


Mercury Ninjas



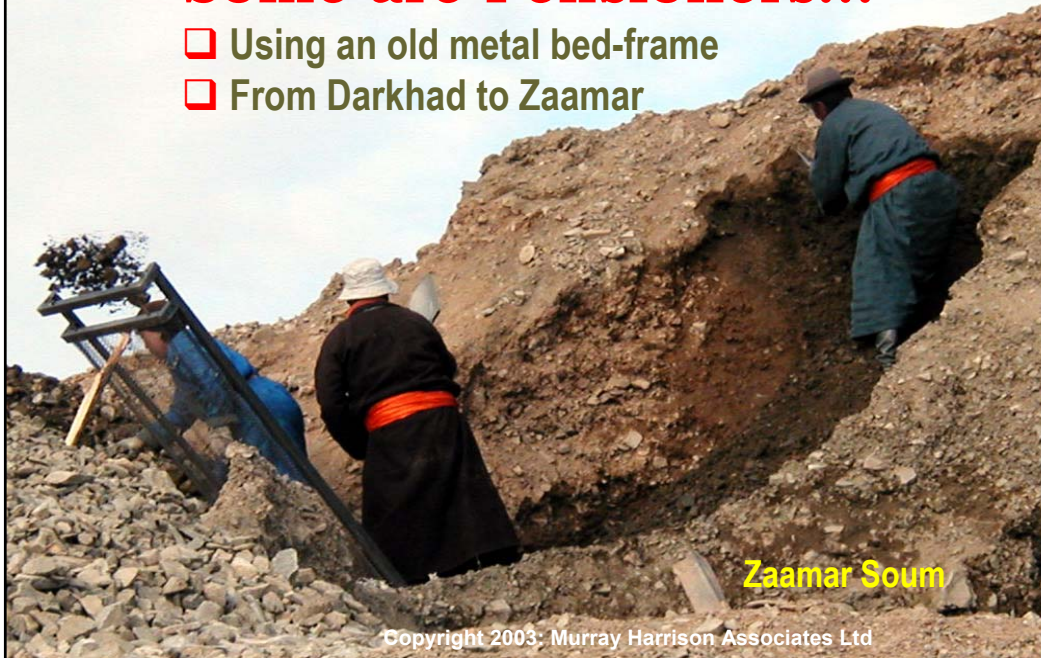
Photograph courtesy of MONEF/ILO

100,000 Placer Gold Ninjas



Some are Pensioners...

- Using an old metal bed-frame
- From Darkhad to Zaamar

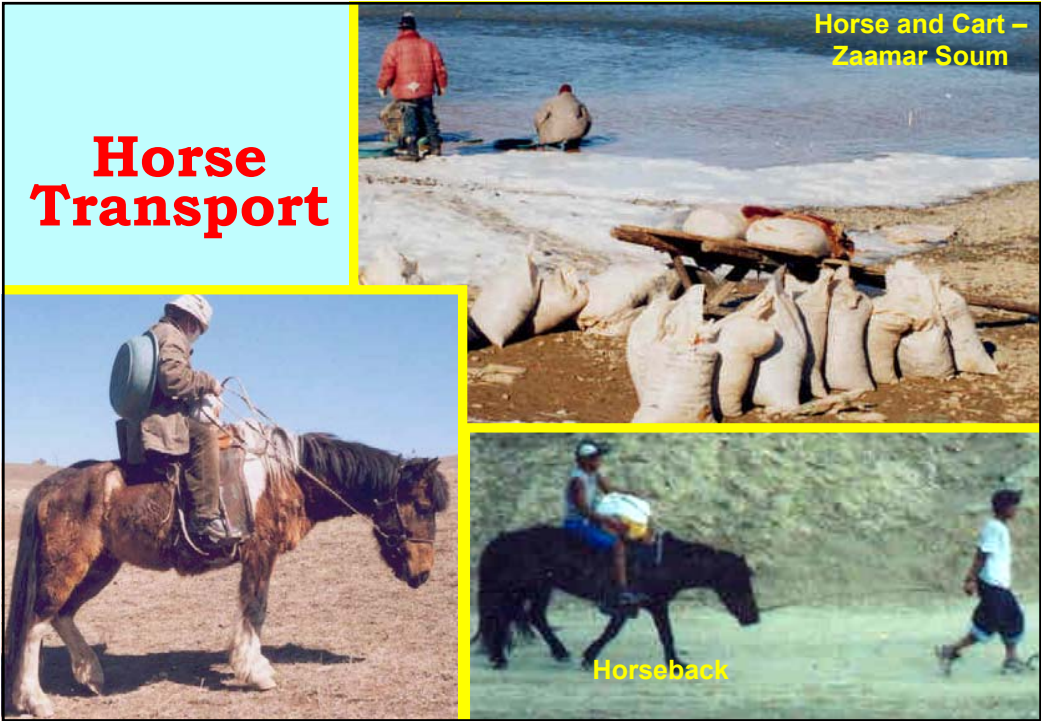


Some Ninjas are Undergraduates...









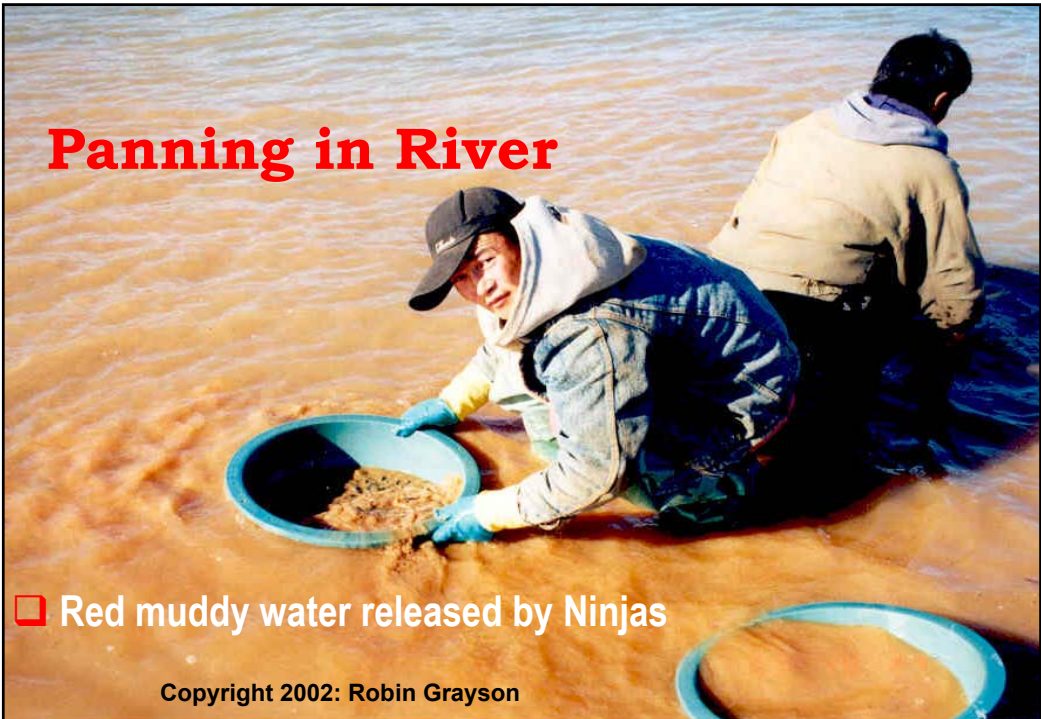


Copyright 2002: Robin Grayson



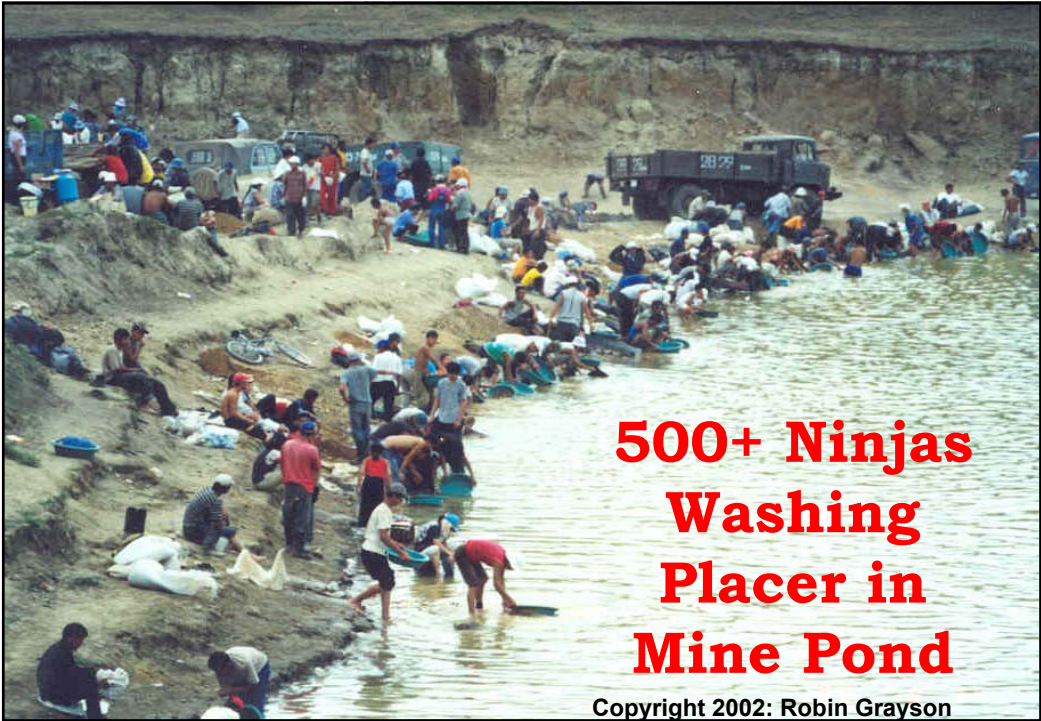
☐ Bags of placer delivered by cart

Panning in River



☐ Red muddy water released by Ninjas

Copyright 2002: Robin Grayson



**500+ Ninjas
Washing
Placer in
Mine Pond**

Copyright 2002: Robin Grayson



365 Days a Year

- ❑ 15th December 2002, at MINUS 30 celsius
- ❑ Ninjas panning in River

Copyright 2003: AATA Ltd



Innovative Wash-Plants



❑ Spring-Mounted Screen

Copyright 2003: T.S. Delgertsoo



❑ Ice in Hair

Copyright 2002: Robin Grayson

Ninja Wash-Plants stop for Winter





Rotary Screens

Copyright 2003: Robin Grayson

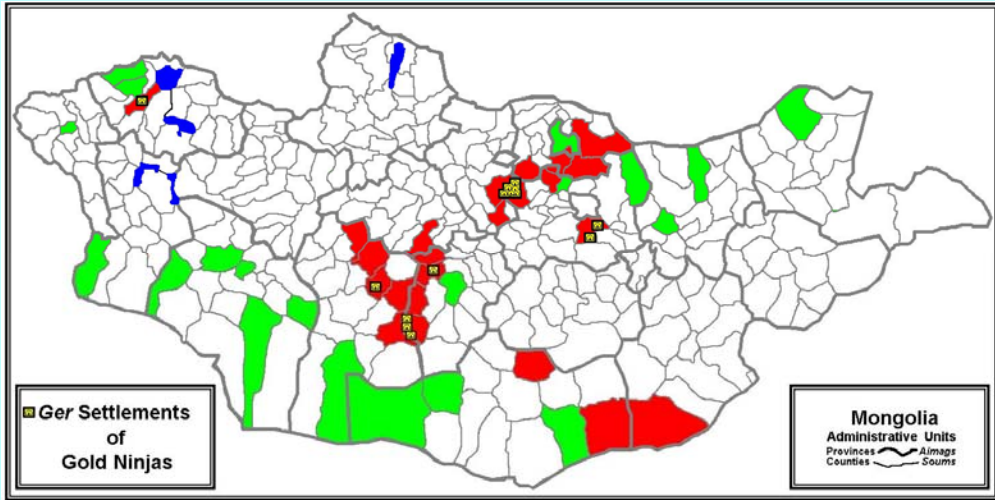


Dry-Washing Gold

No Water

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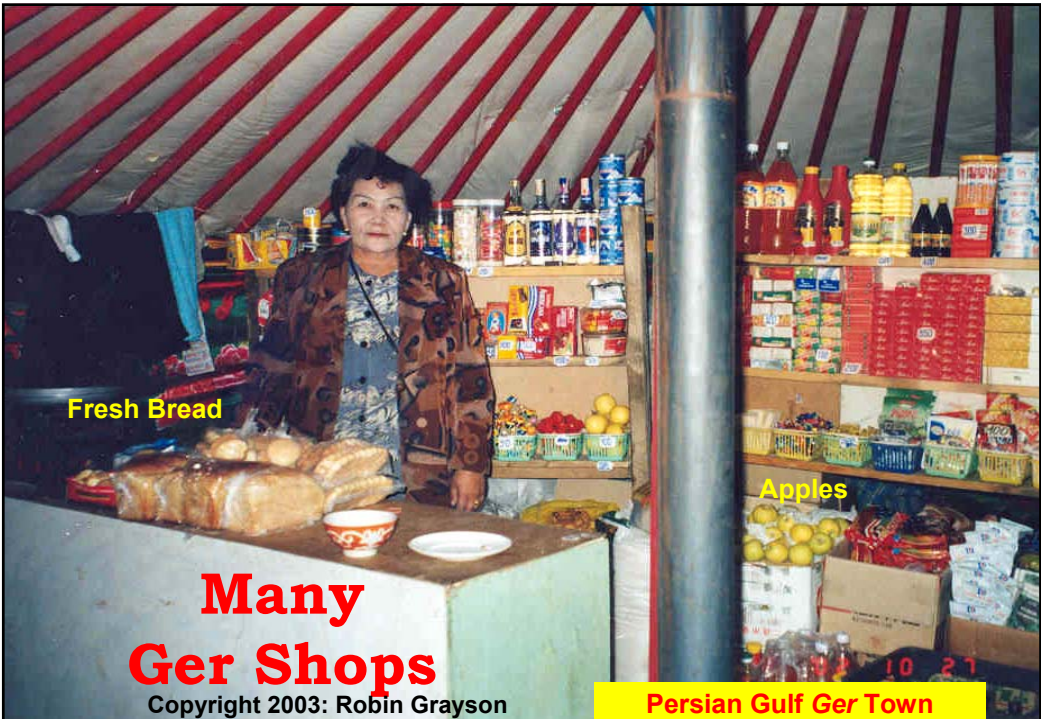
Ninja Ger Towns





Ninja Ger Camp in Winter

Copyright 2002: AATA Ltd



Fresh Bread

Apples

Many Ger Shops

Copyright 2003: Robin Grayson

Persian Gulf Ger Town

Karaoke/Video Ger Shops



Copyright 2003: MBDA

Copyright 2003: MBDA



Adgiin Khudag Ger Town



Persian Gulf Ger Town

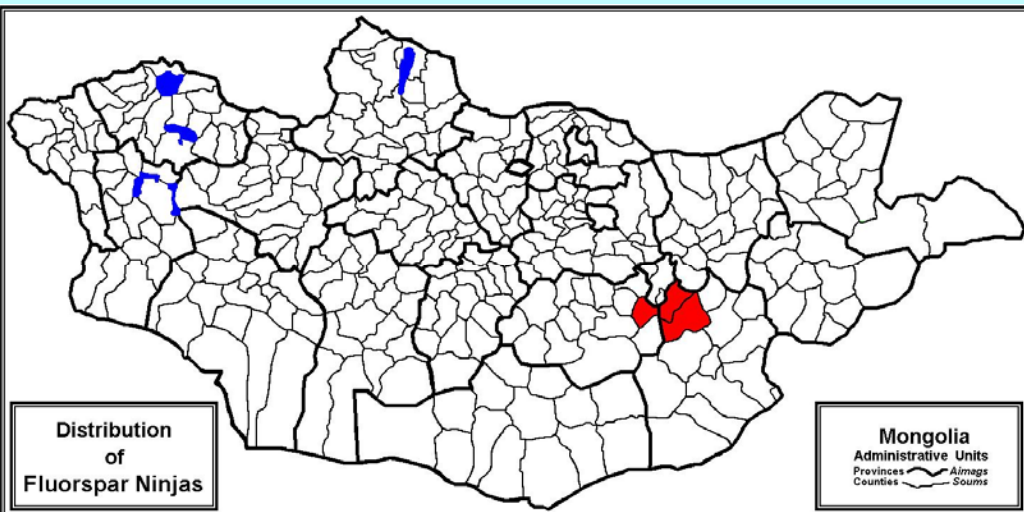
Ger Butcher

Copyright 2003: Robin Grayson

Technology Ger Shops



2,000 Fluorspar Ninjas





**Fluorspar
Ninjas**

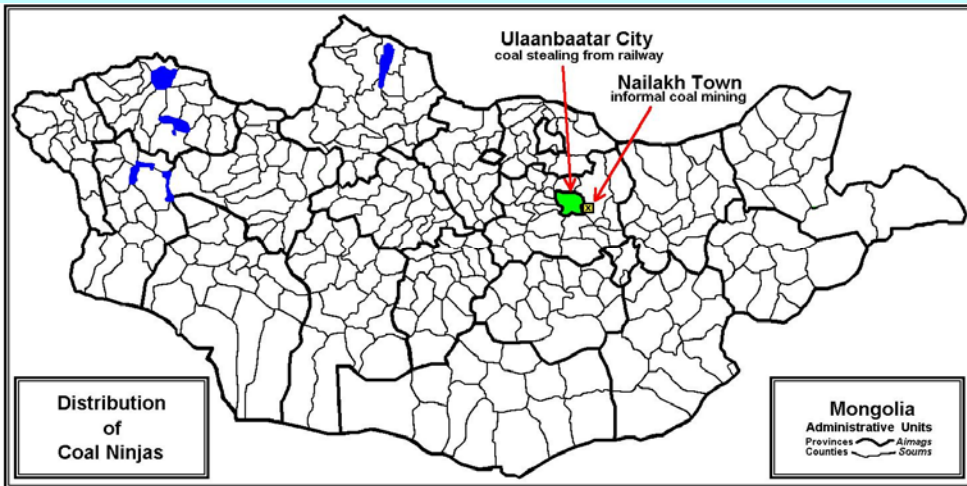
Copyright 2004: Peter Appel



**Fluorspar
Exported**

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1,200 Coal Ninjas



Five Coal Miners Killed Inside *Nalaikh* Mine

By A. DELGERMAA

THE MINE Rescue Team of Mongolia brought out the bodies of five illegal coal miners, after a two-day rescue effort, Tuesday night, February 6. The miners were crushed when the walls of the mine fell in on them. Although the collapse started two days ago, on Feb. 4, other miners and the trapped persons' relatives attempted the rescue themselves. The relatives called the rescue team the following day



at approximately 7 p.m. when they realized that it was an accident of serious proportions. The trapped miners were still heard calling for help inside the mine on February 5, but rescue workers later lost contact. Many people live on illegal coal mining around the town of Nalaikh situated in the eastern part of the country. During the transitional economic crises of the early 1990s, according to Mr. Munkhtur, Chair of the Coal Authority of Mongolia, about a thousand people make their livelihoods off the abandoned mine—no one working under any degree of safety measures. A wrecked coal transport cart, which brings coal out of the mine, was reason for the accident, according to rescue workers. 1,500 people, the mine closed

Nailakh Coal Ninjas

Nailakh Coal Ninjas

SIMPLE FORM OF COAL MINING

- Coal manhandled in sacks
- Metal gate locked at night



Copyright 2003: Robin Grayson



Nailakh Ninjas

SIMPLE FORM OF COAL MINING

- Occasional timber supports



Copyright 2003: Minjin Batbayar

Nailakh Ninjas

Driver + Tractor microenterprise (farming in summer)



Nailakh Ninjas

Length of Cable = length of adit



Nailakh Ninjas

Coal Tub slides out, dragged by cable tied to Tractor



Nailakh Ninjas

Cable unhooked from Tractor. Tub pushed & toppled



Nailakh Ninjas

Tractor gone. Tub finally topples and coal spills out



Nailakh Ninjas

Tub returned to upright position. Start shovelling coal



Nailakh Ninjas

☐ Surface worker gets Tub ready. Bagging coal started



Nailakh Ninjas

Surface worker pushes empty Tub back in Mine mouth



Nailakh Ninjas

Underground worker pulls empty Tub underground

