



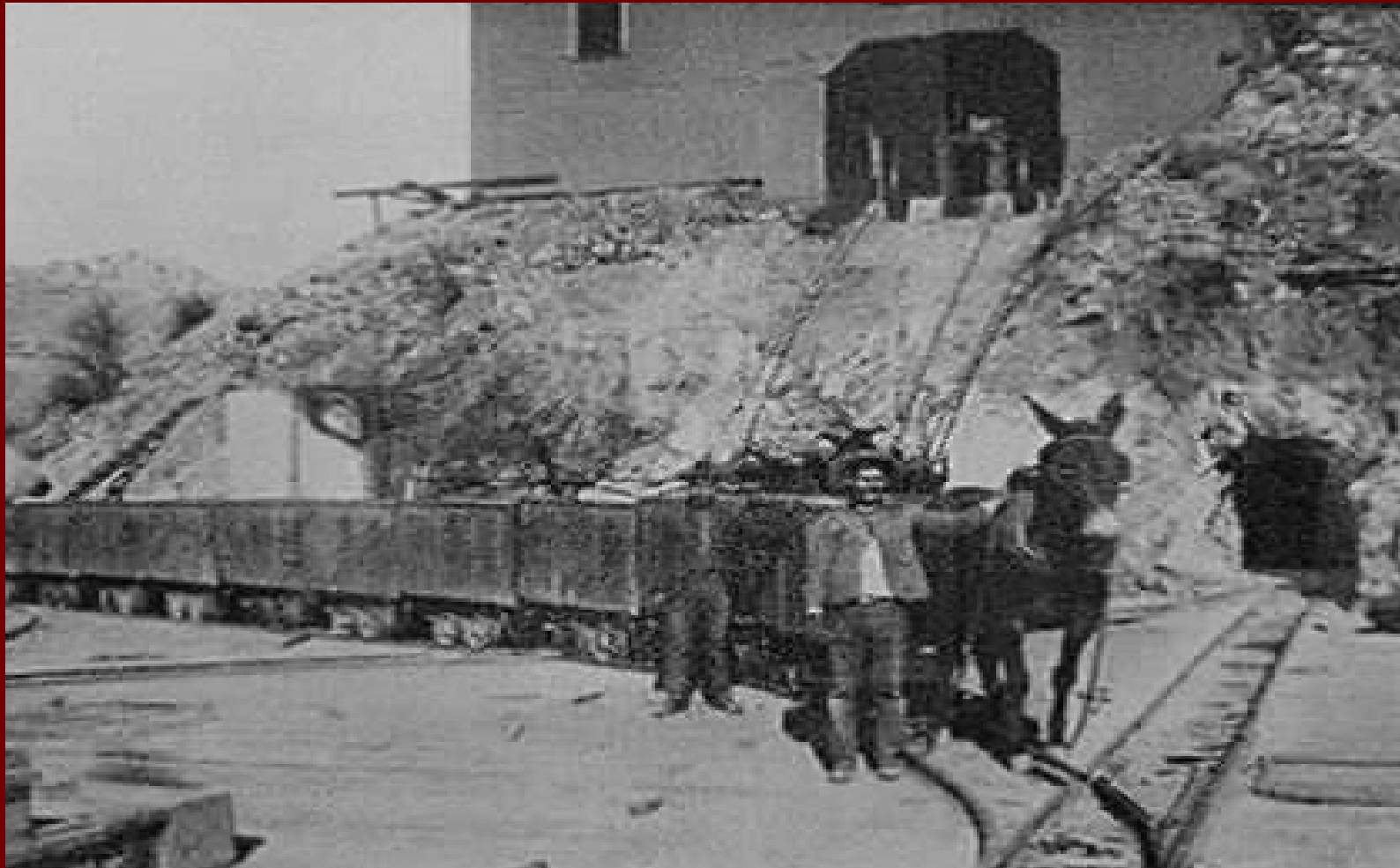
STAY OUT-STAY ALIVE

Mines are Not Playgrounds!

Mines are Everywhere

- There are about **14,000** active mines in the U.S.
- There are as many as **500,000** abandoned mines in the U.S.

MINING: A Vital Part of Our Economy Since the 1800s



The Early Years

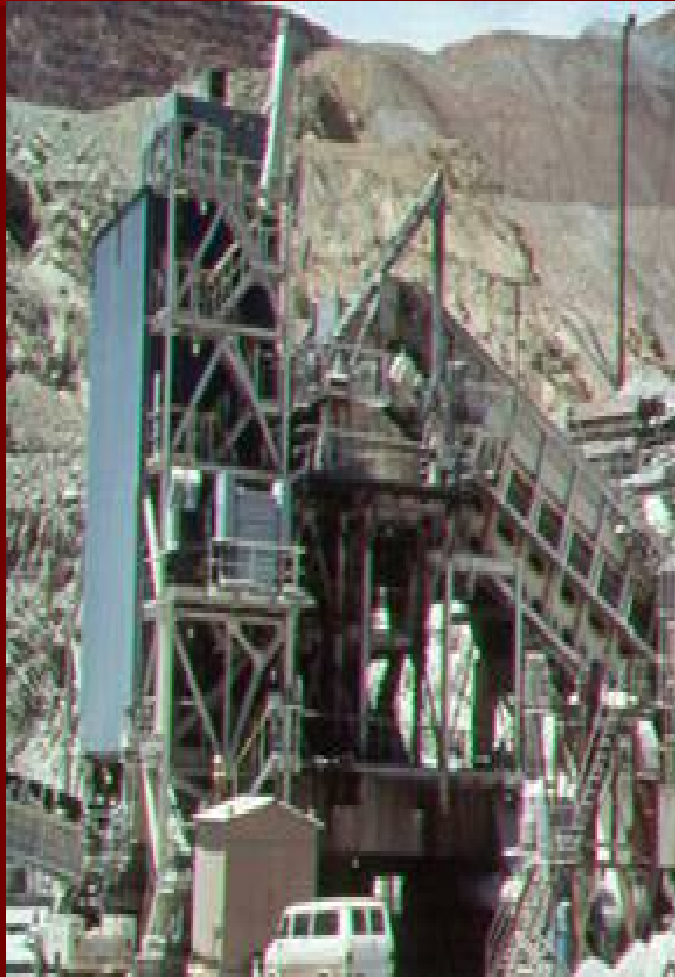




Even Children Worked in the Mines



Mining Still Important Today





**Advances in
Technology**

MONSTER TRUCKS!



MINERALS GO A LONG WAY IN A LIFETIME

Every American Born Will Need ...



3 1/2 million pounds of minerals, metals, and fuels in a lifetime

WHERE DO WE FIND MINERALS?



ACCIDENTS CAN HAPPEN ...



MINING CAN BE HAZARDOUS





SOMETIMES... HAPPY ENDINGS!



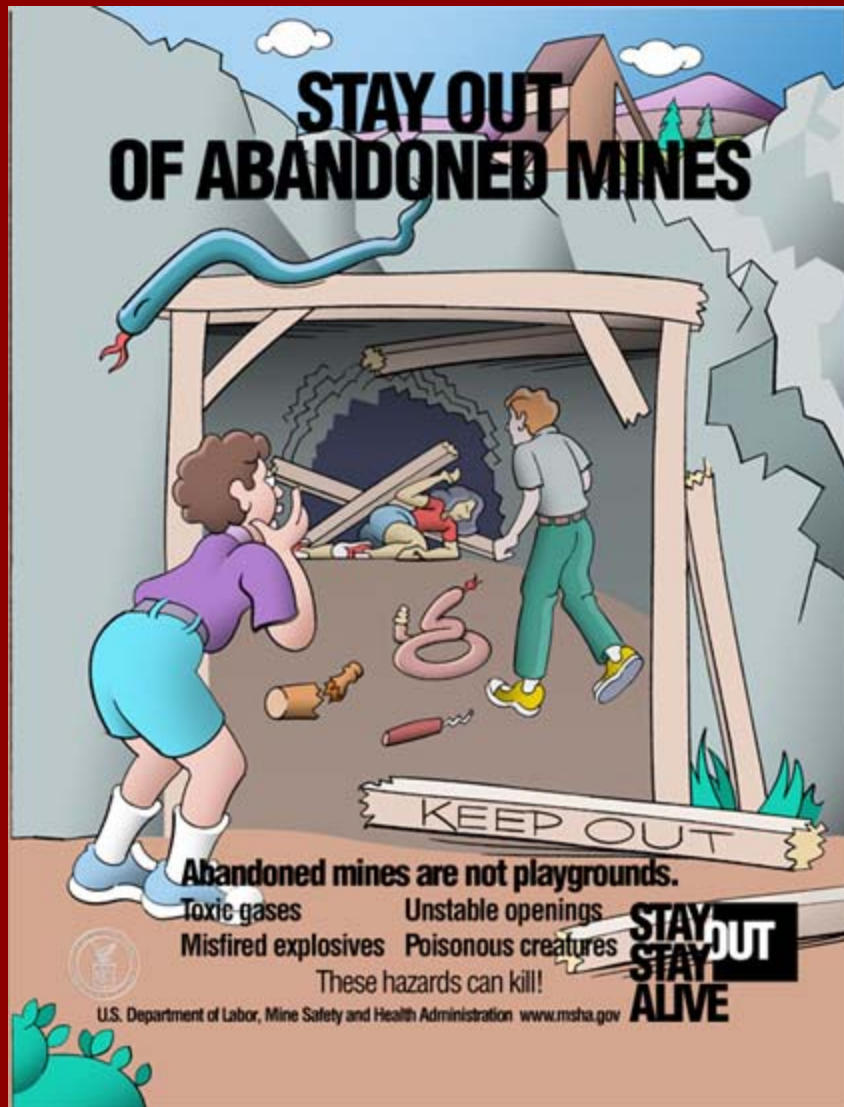


**MINERS:
PRECIOUS**



RESOURCE





Each year, dozens of people are injured or killed in accidents that occur at active and abandoned mines.

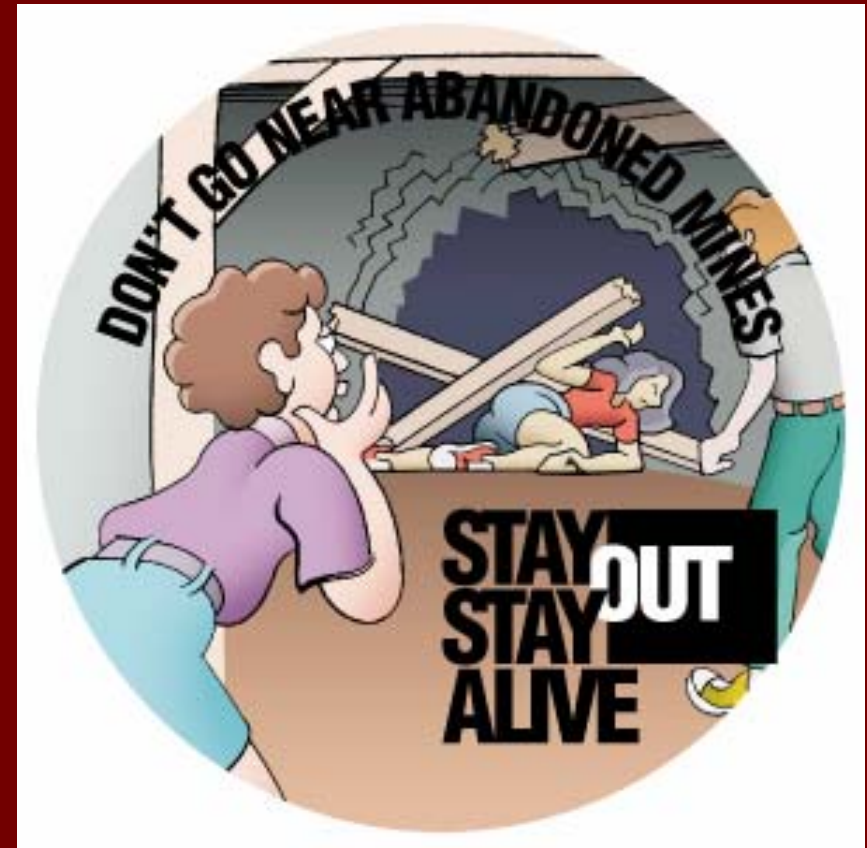
DEADLY NUMBERS

- ❖ 2006 - 29 deaths
- ❖ 2005 - 24 deaths
- ❖ 2004 - 35 deaths
- ❖ 2003 - 28 deaths
- ❖ 2002 - 32 deaths

In the last five years, **148** people have died in recreational activities on mine property.

TYPES OF ACCIDENTS

- Falls into mine shafts, over highwalls
- Overturned equipment
- Drownings
- Asphyxiation
- Electrocution



THE HEADLINES

- "Indiana teenager drowns in quarry"

Chicago Tribune

- "Accident on ATV kills Kentucky boy"

Associated Press

- Brothers die while diving in old mine"

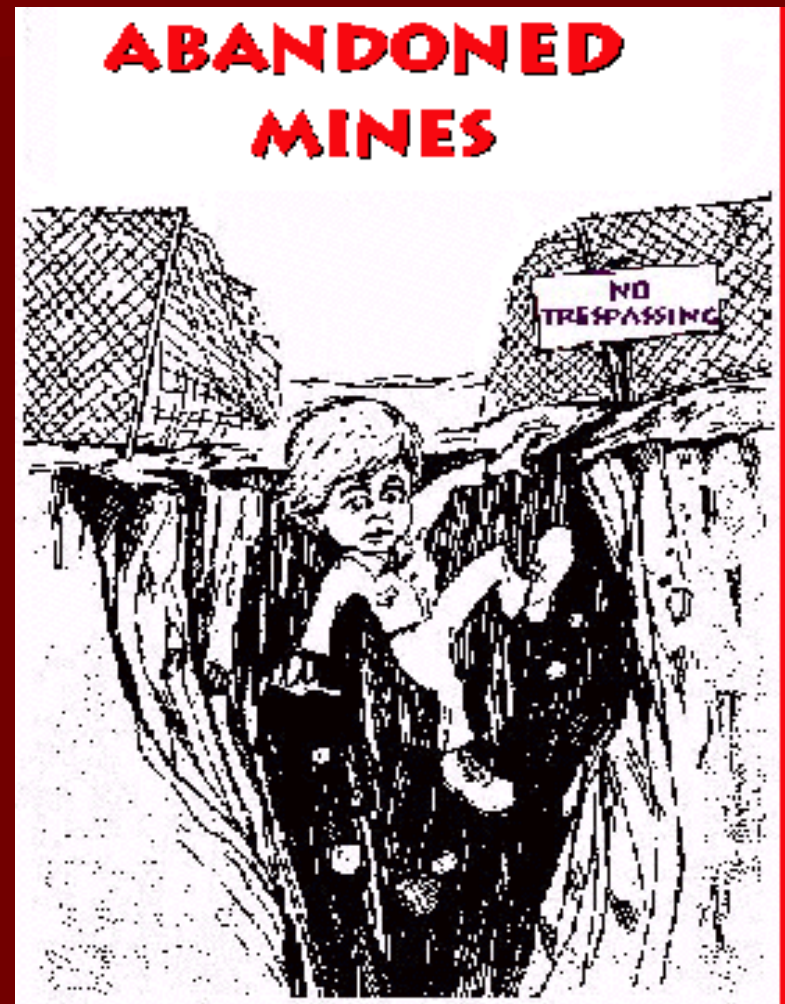
Los Angeles Times

Ohio Man Rescued from Gravel Pit



HIDDEN DANGERS

Stay Away from
Abandoned Mine
Openings!



ABANDONED MINE OPENING

This mine shaft may be hundreds of feet deep!



SHAFT MINE OPENING



VERTICAL DROP

CAN BE VERY DEEP

Stay Away!

Huuuuuge Opening!



FENCES DON'T ALWAYS KEEP PEOPLE OUT...



BUT LOOK WHAT AWAITS THE TRESPASSER!



**Deep
And
Dangerous!**

**THIS MINE IS SEALED,
BUT JUST BARELY!**



SIGNS: There for a reason





Empty Buildings are Dangerous

- They can collapse
- Broken glass is everywhere
- Explosives can be detonated
- There are electrical hazards



SLOPE MINE OPENING



Stay Away!





Look at all the Graffiti

DRIFT MINE OPENING



Stay Away!

Some mine openings are easily seen...

Others may be hidden by plants or rocks!



OPEN MINE SHAFT



HIDDEN MINE OPENING



Where's
the
mine?

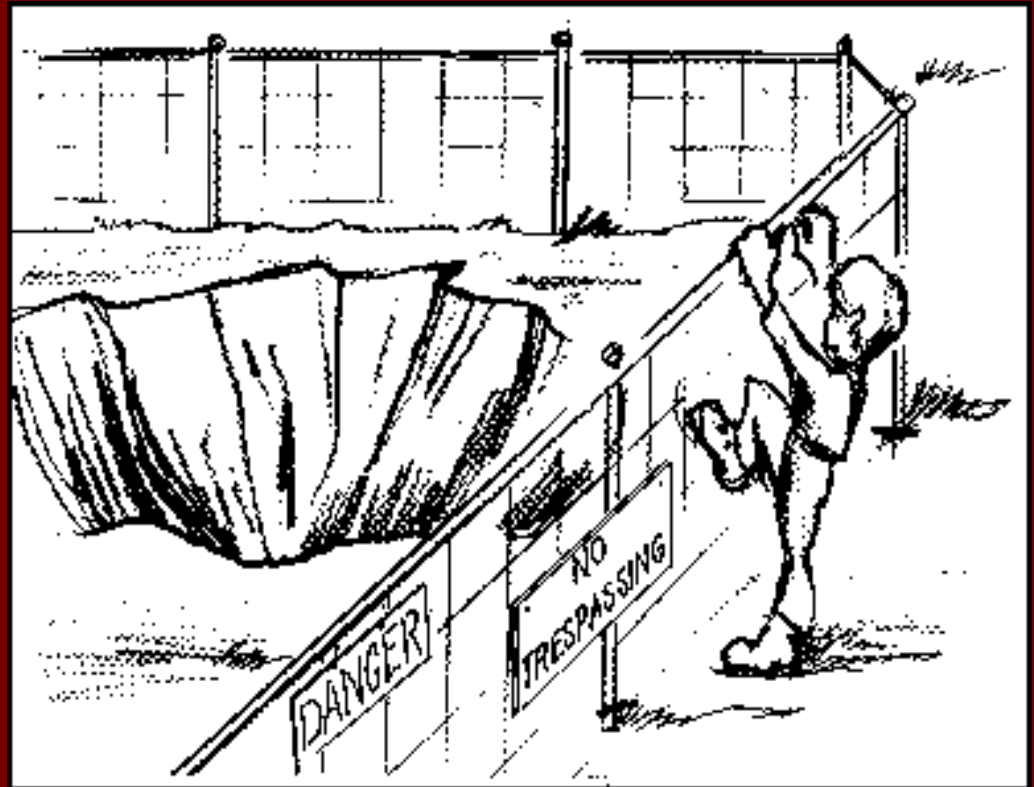




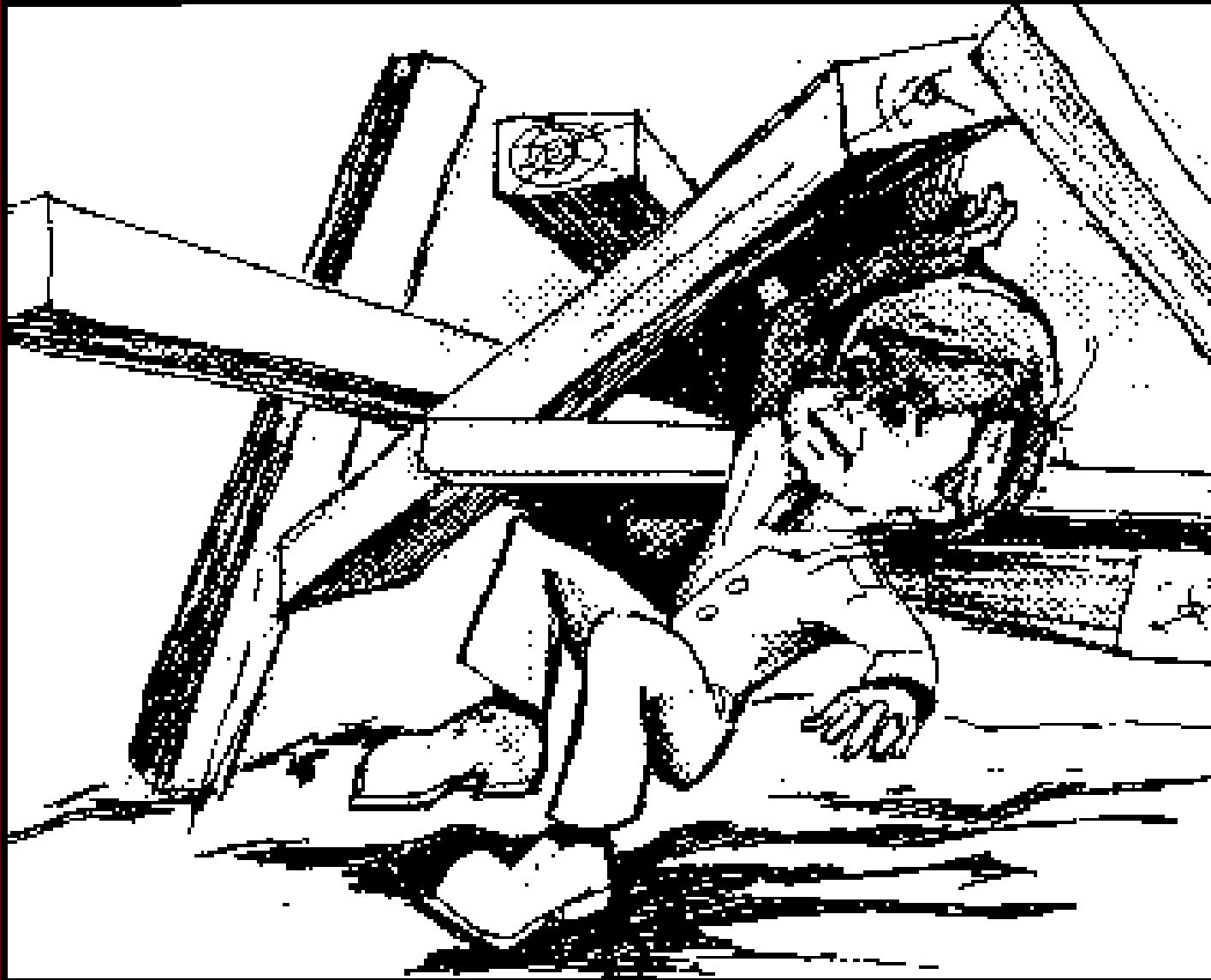


BE WISE! STAY AWAY!

- ✓ Ground Around Mines may be Weak
- ✓ Vibrations from Walking or Speaking may cause a Cave-in

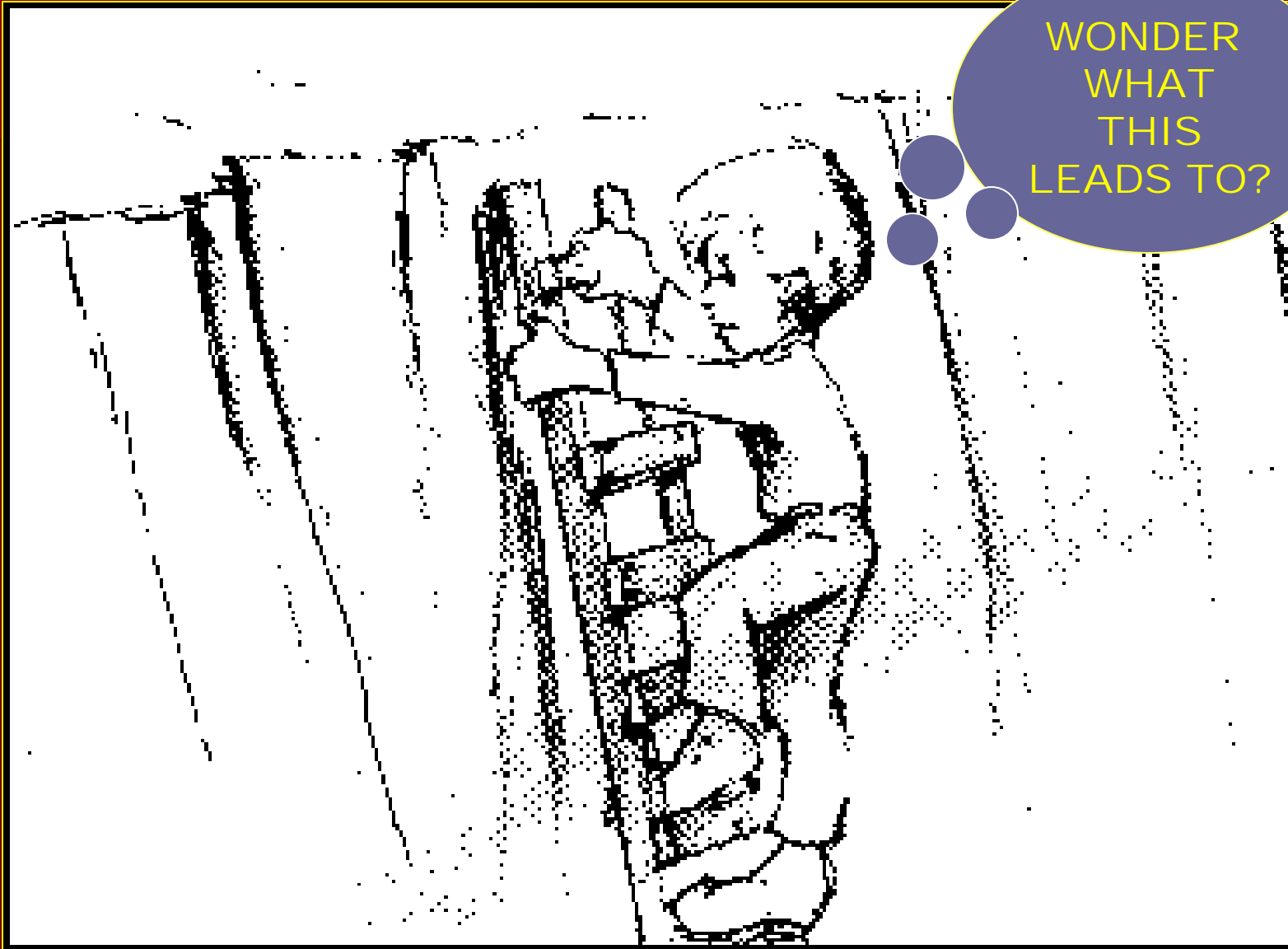


ROTTEN TIMBERS





BROKEN OR UNSTABLE LADDERS



WONDER
WHAT
THIS
LEADS TO?

**How
Badly
Do
You
Want
to
Find
Out?**





MISFIRED EXPLOSIVES



EXPLOSIVES and BLASTING CAPS

Often Found
Around
Abandoned
Mine Openings

EXPLOSIVES & BLASTING CAPS

- Deteriorate with Age
- **Do Not Touch** - They can go off!
- Alert the Sheriff's Department

FROM THIS ...



..... TO THIS!



STANDING POOLS OF WATER



UNDERGROUND TUNNELS



- ✓ *ROTTEN ROOF SUPPORT BEAMS*
- ✓ *DANGEROUS GASES*
- ✓ *POISONOUS SNAKES*
- ✓ *FLOODED SECTIONS*

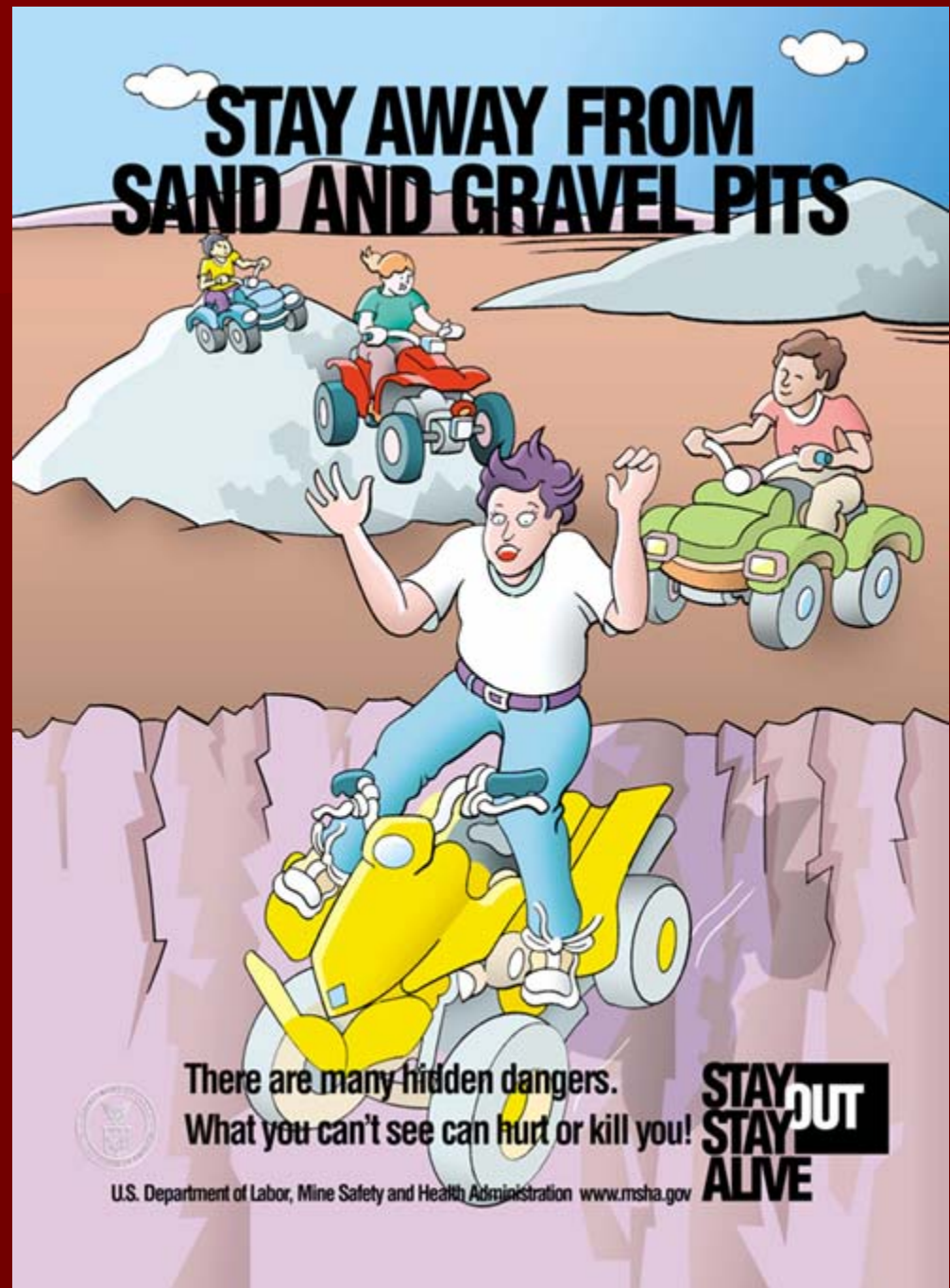








SURFACE DANGERS



The poster features a cartoon illustration of a man in a white shirt and blue pants falling off a yellow ATV into a deep, purple-hued pit. In the background, three other people are riding ATVs on a sandy dune. The sky is blue with a few clouds.

STAY AWAY FROM SAND AND GRAVEL PITS

There are many hidden dangers.
What you can't see can hurt or kill you!

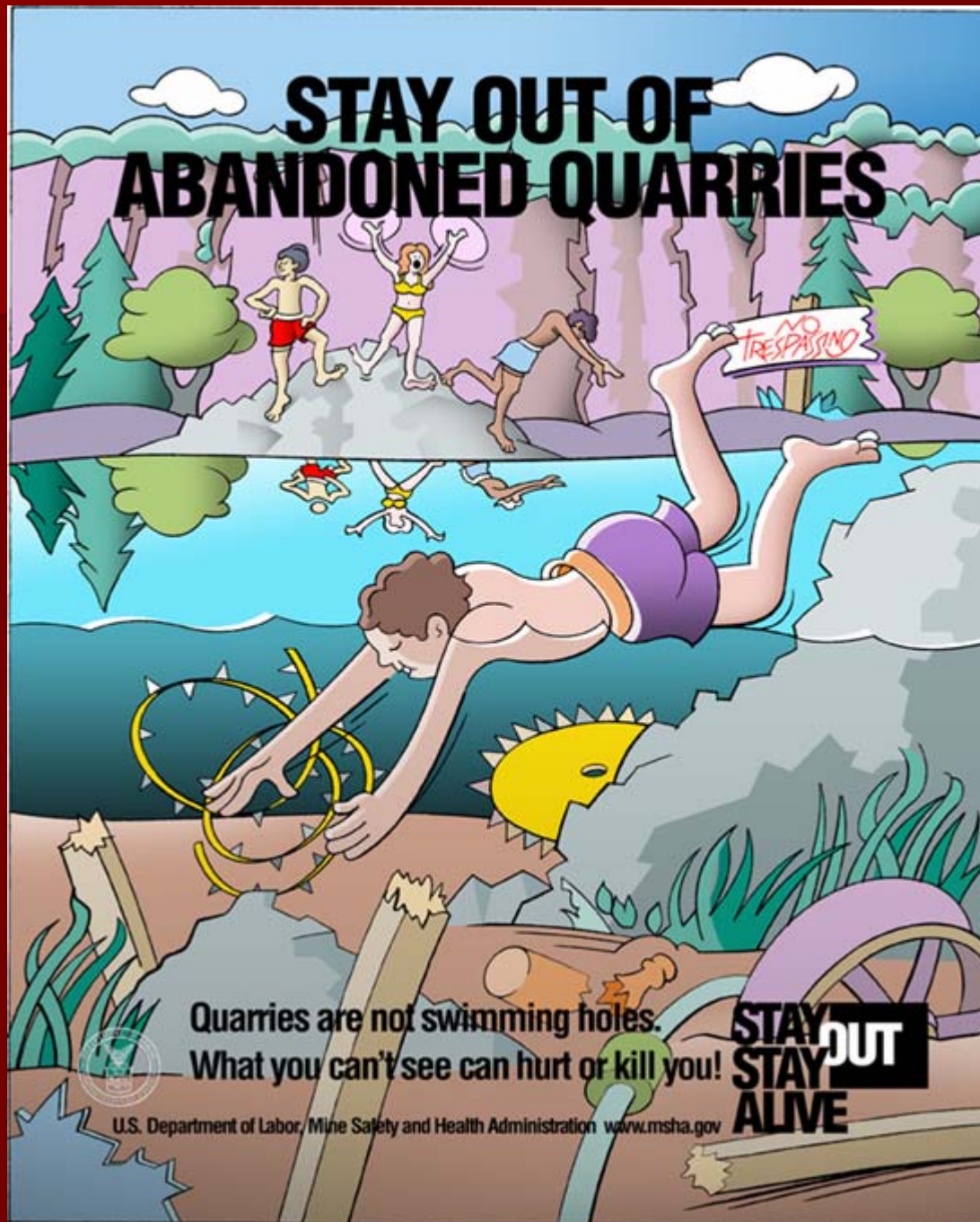
**STAY OUT
STAY ALIVE**

U.S. Department of Labor, Mine Safety and Health Administration www.msha.gov

UNSTABLE HIGHWALLS



STAY OUT OF ABANDONED QUARRIES



Quarries are not swimming holes.
What you can't see can hurt or kill you!

STAY OUT
STAY ALIVE



U.S. Department of Labor, Mine Safety and Health Administration www.msha.gov

DANGEROUS BODIES OF WATER



Stay Away!

NO PLACE FOR SWIMMERS





No Lifeguards on Duty!

Deadly Pennsylvania Quarry



Since 1985 ... 8 drownings!

A MOTHER'S GRIEF



Ideas, but no solutions for quarry

Federal official calls Funkhauser 'the most dangerous in the country'

By MARK SCOLFORD

Dispatch/Sunday News

Owners of a Peach Bottom Township property where eight people have died since 1985 in a former slate quarry didn't say much during yesterday's public forum on the problem swimming hole, but others volunteered their thoughts on how to improve safety there.

Glen Gayski, a partner in Slate Ridge Limited Partnership of Bel Air, Md., owners of the Funkhauser Quarry (historical documents suggest that previous news stories misspelled the quarry's name as Funkhouser) outside Delta, said they are still working on plans to convert the idyllic

property into a wildlife preserve.

Gayski and others with Slate Ridge left without making further comment.

Residents concerned: The 90-minute meeting in the Delta-Cardiff fire hall, held by the federal agency that oversees mine safety and health, brought out about 50 people to share ideas about the quarry, including state and county officials, neighbors, emergency workers, and the parents of two people who drowned in separate quarries on the same day in July.

Doug Farrington, president of the local fire company, said there's a reason why Funkhauser has seen a string of tragedies,

while the other quarries that run along the same ridge haven't had any problems.

All of the quarries are filled with water, and they are all scenic, he said. But only Funkhauser Quarry offers a convenient lakeside spot and a road that leads right to it.

"If you cover that platform up and they can't put that beach towel down, I guarantee you they won't come back," Farrington said.

The forum was led by Davitt McAteer, assistant secretary for mine safety and health with the U.S. Department of Labor, who wants to find a solution to the prob-

See **QUARRY/14**

DIVING

CAN

BE

DEADLY!

Diving Can Be Deadly

The July 13 Metro article "Taking the Plunge: Fun Meets Fear Head-On at Maryland Swimming Hole" left the impression that it is safe to swim in abandoned quarries. It is not. Every summer children and adults die because they don't realize the dangers of abandoned quarries and other mine sites.

While the quarry in your story appears to be safe—I have been told it has life guards and is actually an established swimming club—already this summer, four young people and one adult have been killed in quarry-related incidents.

A 6-year-old Hagerstown boy died when he fell off a 100-foot quarry wall; a 17-year-old drowned while swimming in an old quarry in Richmond Township, Pa.; another 17-year-old drowned while swimming in an abandoned gravel pit near Rochester, Minn.; a 13-year-old girl drowned while swimming in an old coal pit near Heaven, Okla.; and a 31-year-old man drowned while swimming in an old gravel pit near Camden, Ohio.

Kids are right to worry about hitting their heads when they dive into most quarries. Unlike swimming pools or shallow lakes, water-filled quarries can hide rock ledges, old machinery and other hazards. Their depth can make the water dangerously cold. Swimmers may struggle to climb out of water surrounded by steep rock walls. Rarely is help close by for a swimmer in trouble.

The U.S. Labor Department's Mine Safety and Health Administration recently joined with some 30



BY JOHN BRIGHT—THE WASHINGTON POST

other mining-related organizations in a campaign to inform kids and parents about the dangers of playing at abandoned quarries and other mine sites.

Young people should and do have safe places to swim and enjoy their summer thrills, but abandoned

quarries and other mines should not be among them.

—J. Davitt McAteer

The writer is assistant secretary for mine safety and health in the Labor Department's Mine Safety and Health Administration.

SLUDGE DAM

Water on
Top is 3'
Deep

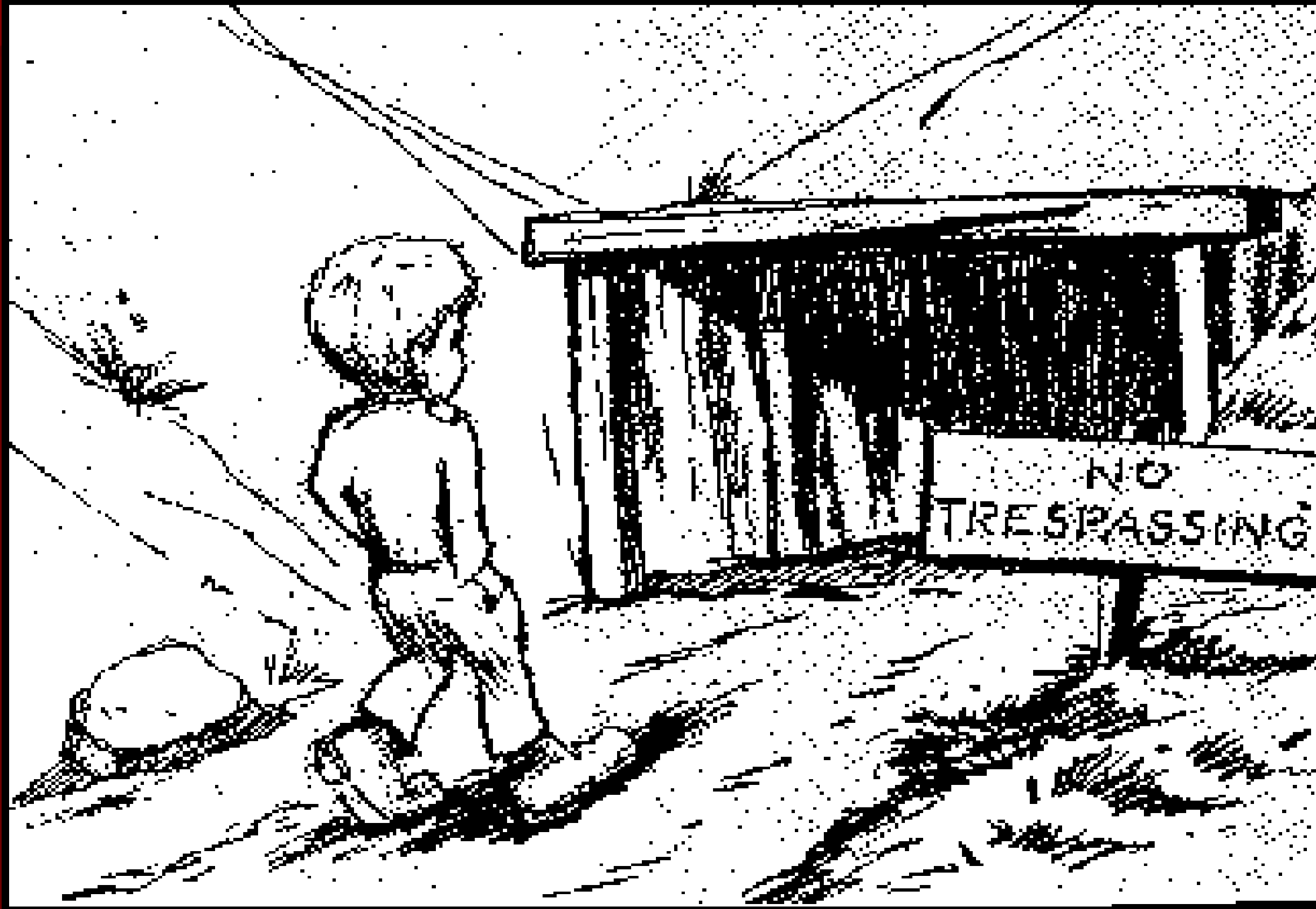
Quicksand-
Like Sludge
Underwater
is 8-10'
Deep



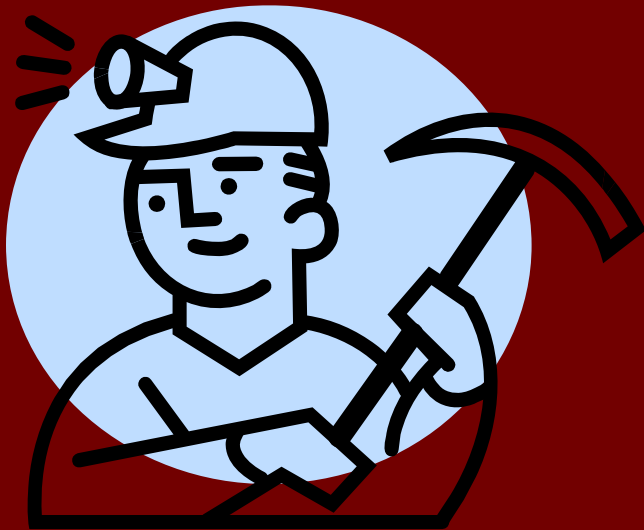
SIGNS ARE FOR YOUR SAFETY



What Part of "No Trespassing" Don't You Understand?



What Can
You Do
to Stay Safe???



**If You're Not Sure,
STAY AWAY!**



MSHA's TOLL-FREE HOTLINE

**Report Unsafe Access to
Active or Abandoned Mines**

1-800-746-1554

MSHA RESOURCES

www.msha.gov

202-693-9400

Listen Carefully to MSHA Inspectors



Inspectors are Trained to Enter Mine Sites - You're Not!



**She May
Have a
Future in
Mining!**



Remember...

STAY OUT

AND

STAY ALIVE!