# State of Coastal OSRO’s
# And Their Survival

# Freshwater Spills Symposium

April 6, 2004

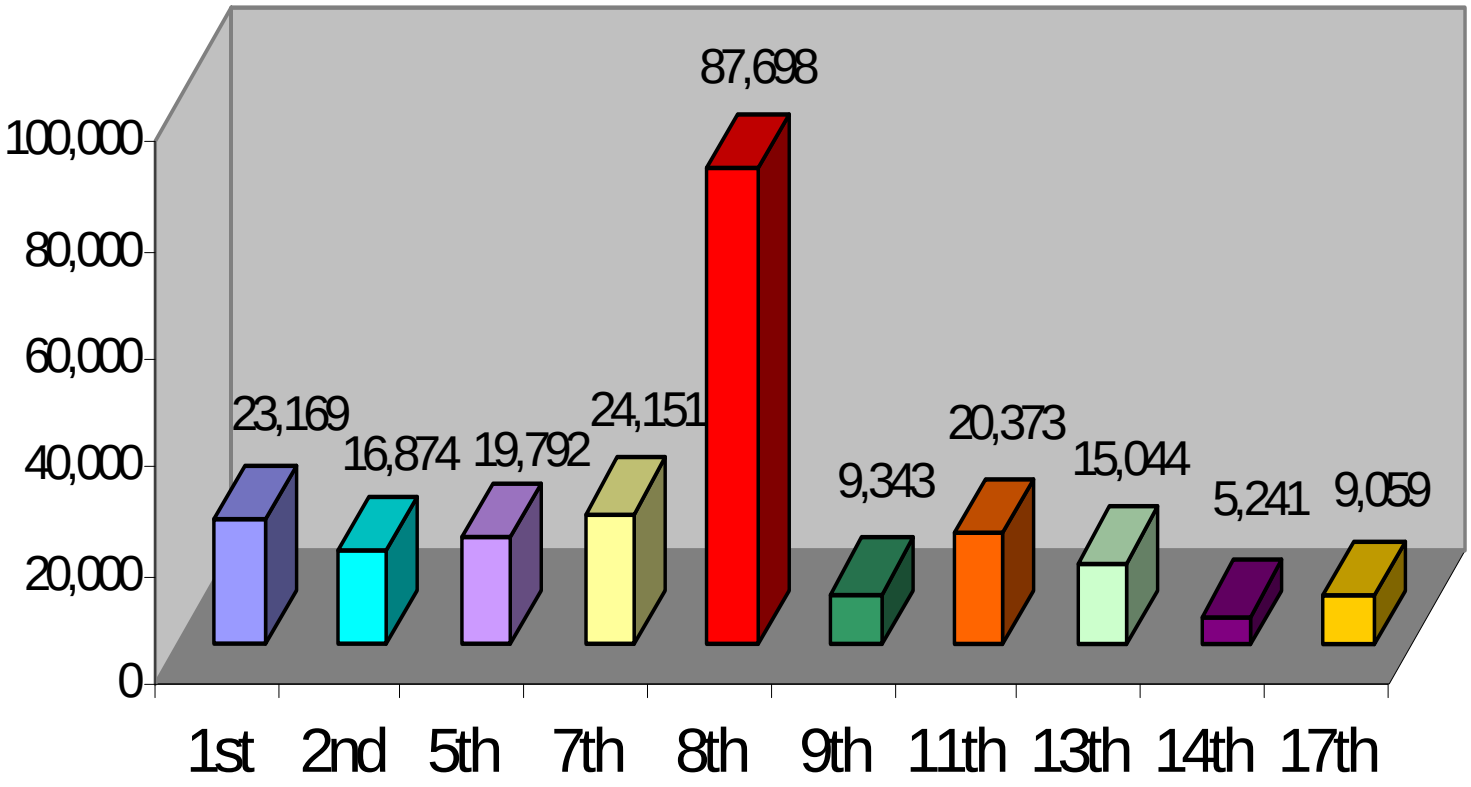
John Temperilli

GARNER ENVIRONMENTAL

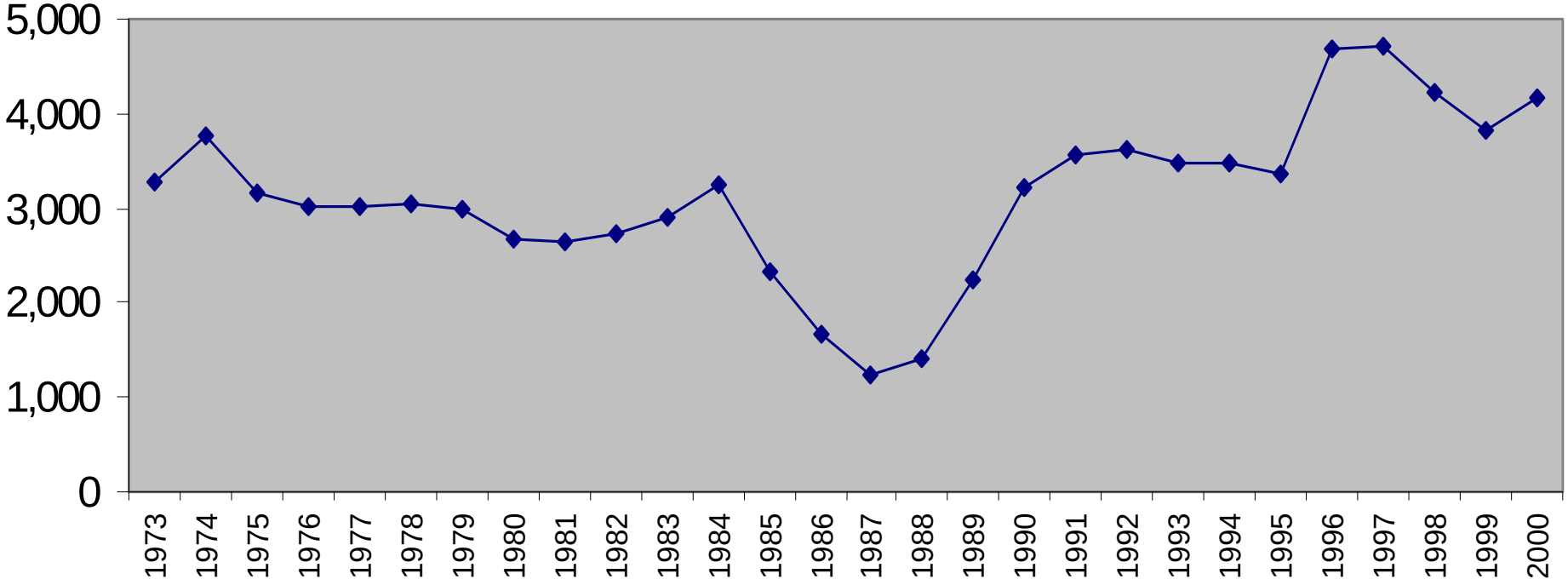
The Emergency Response Company

ISO 9001-2000 Certified

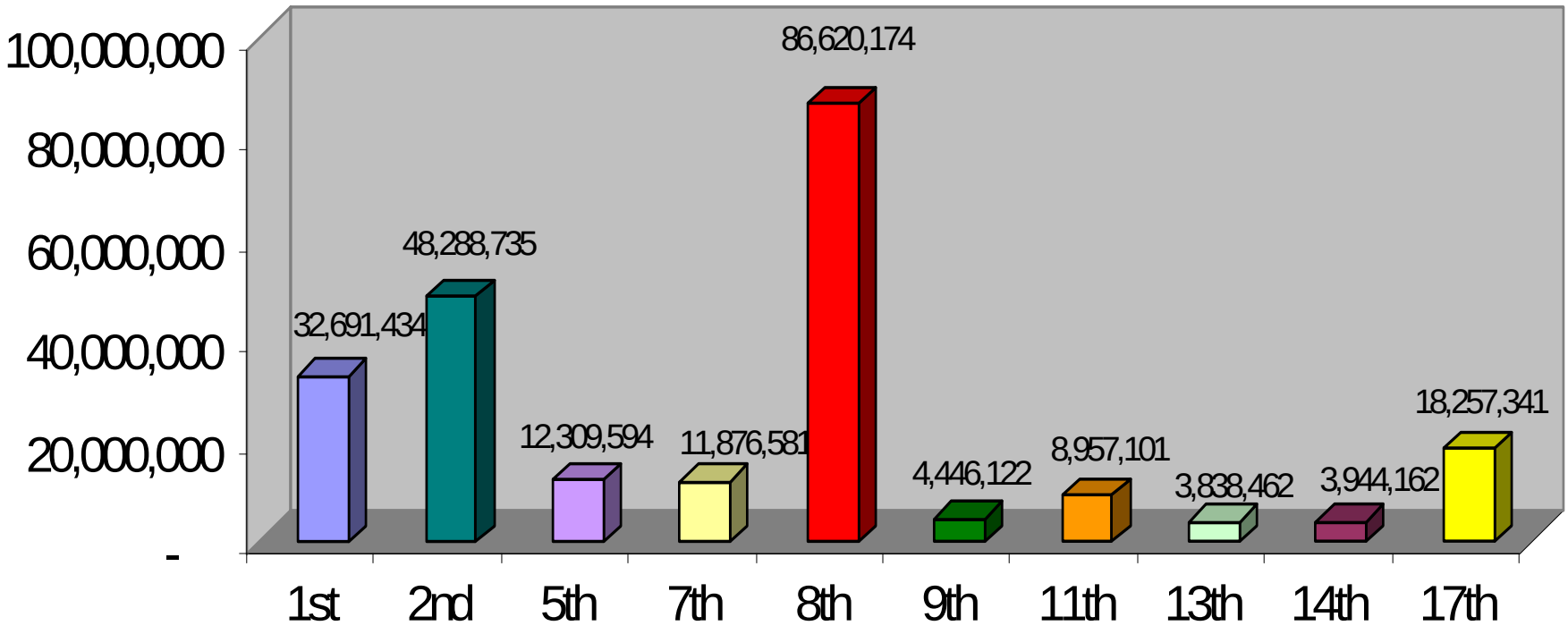
# Number of Spills by Coast Guard District
# 1973 - 2000



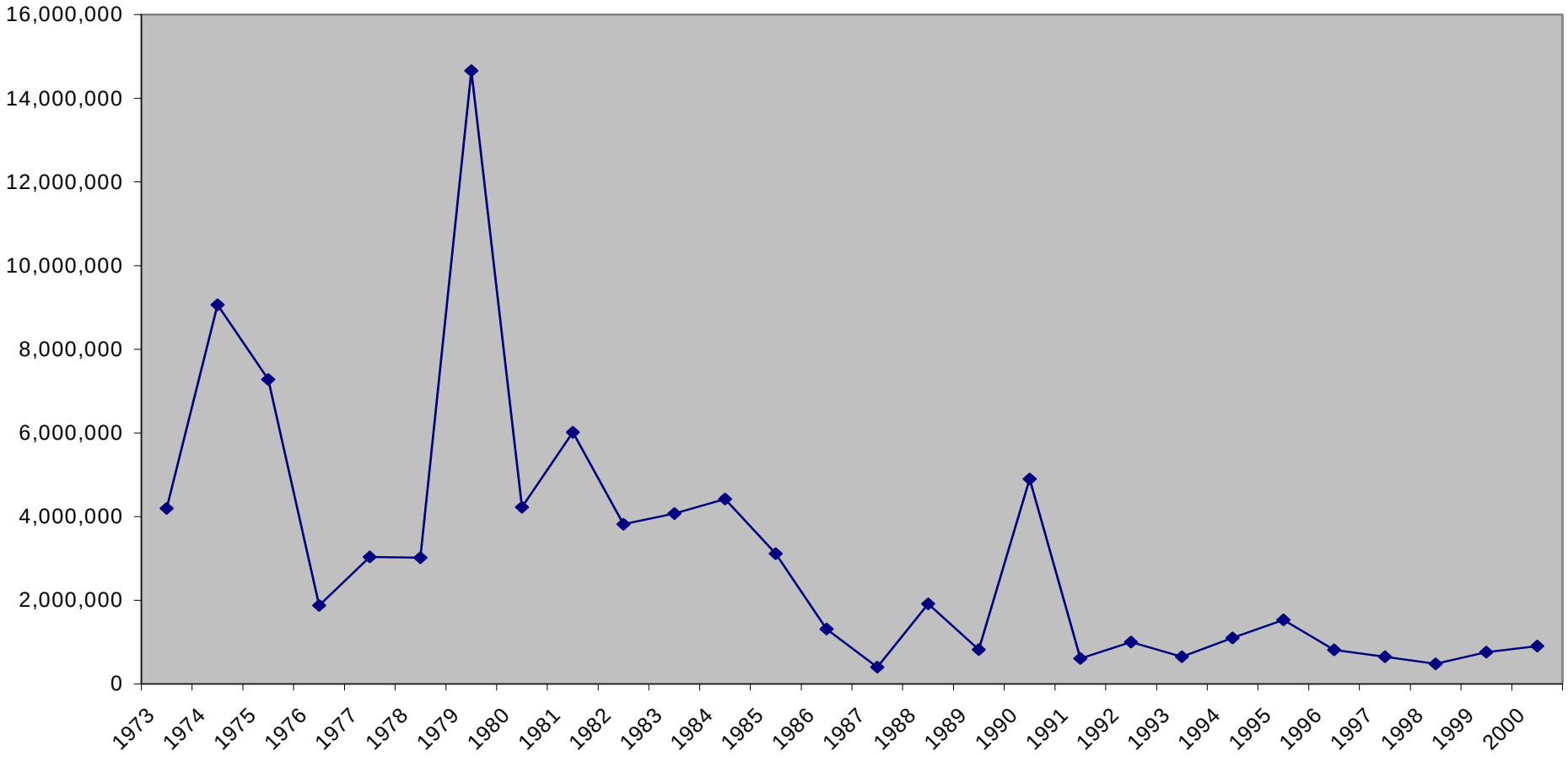
# Number of Spills by Coast Guard
# 8th District
# 1973 - 2000



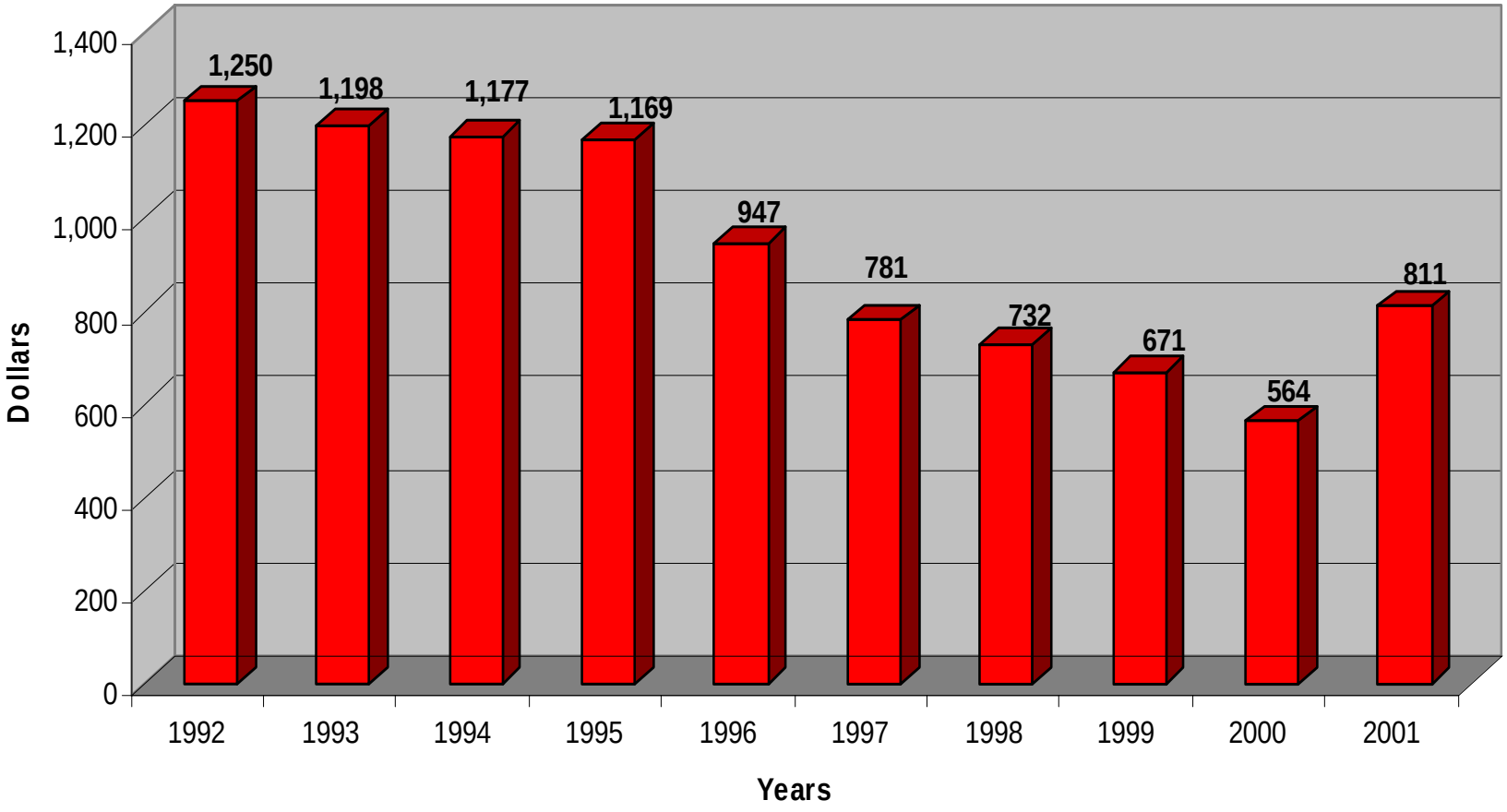
# Volume of Spills by Coast Guard Districts 1973 - 2000

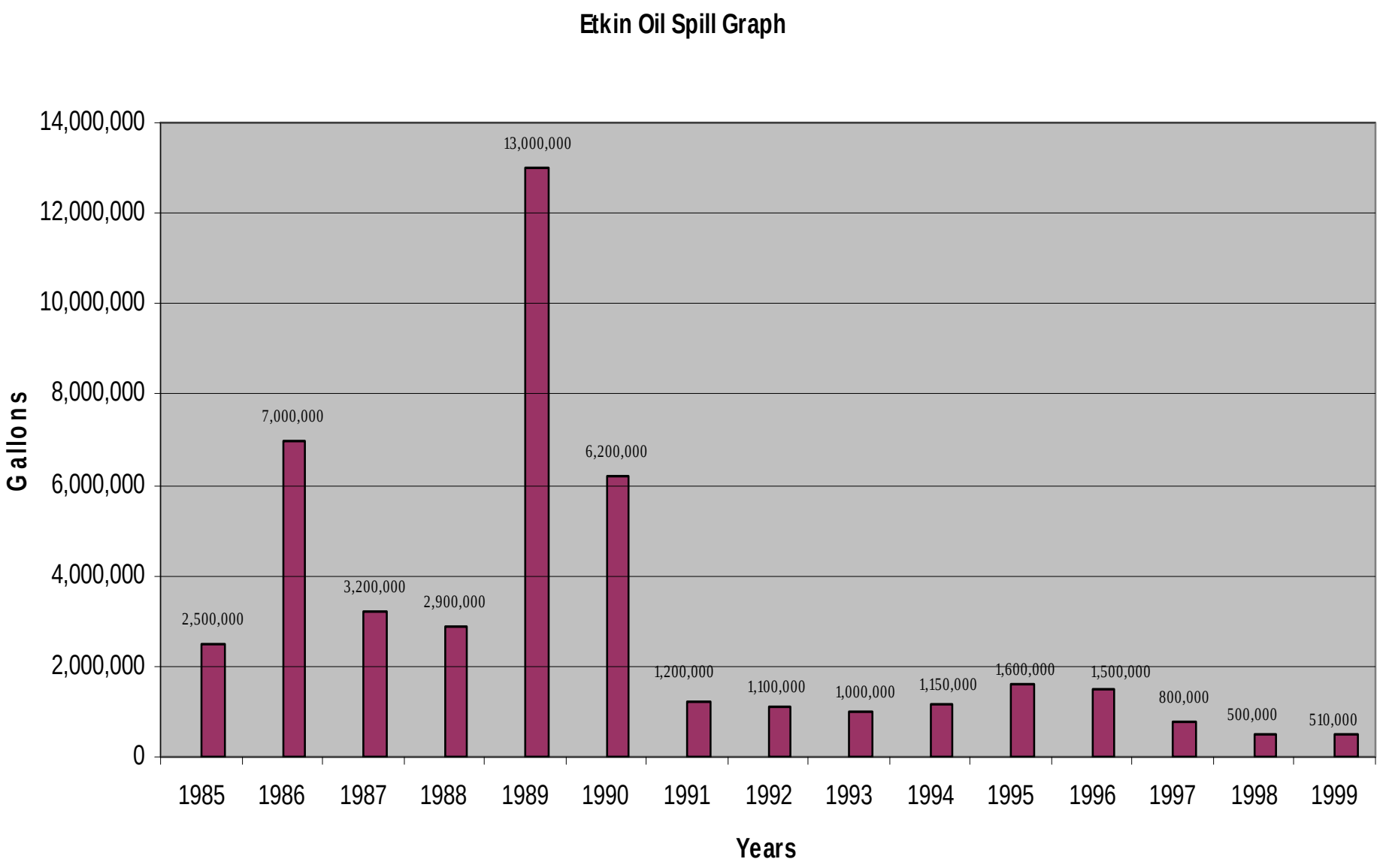


# Volume of Spills by Coast Guard
# 8th District
# 1973 - 2000

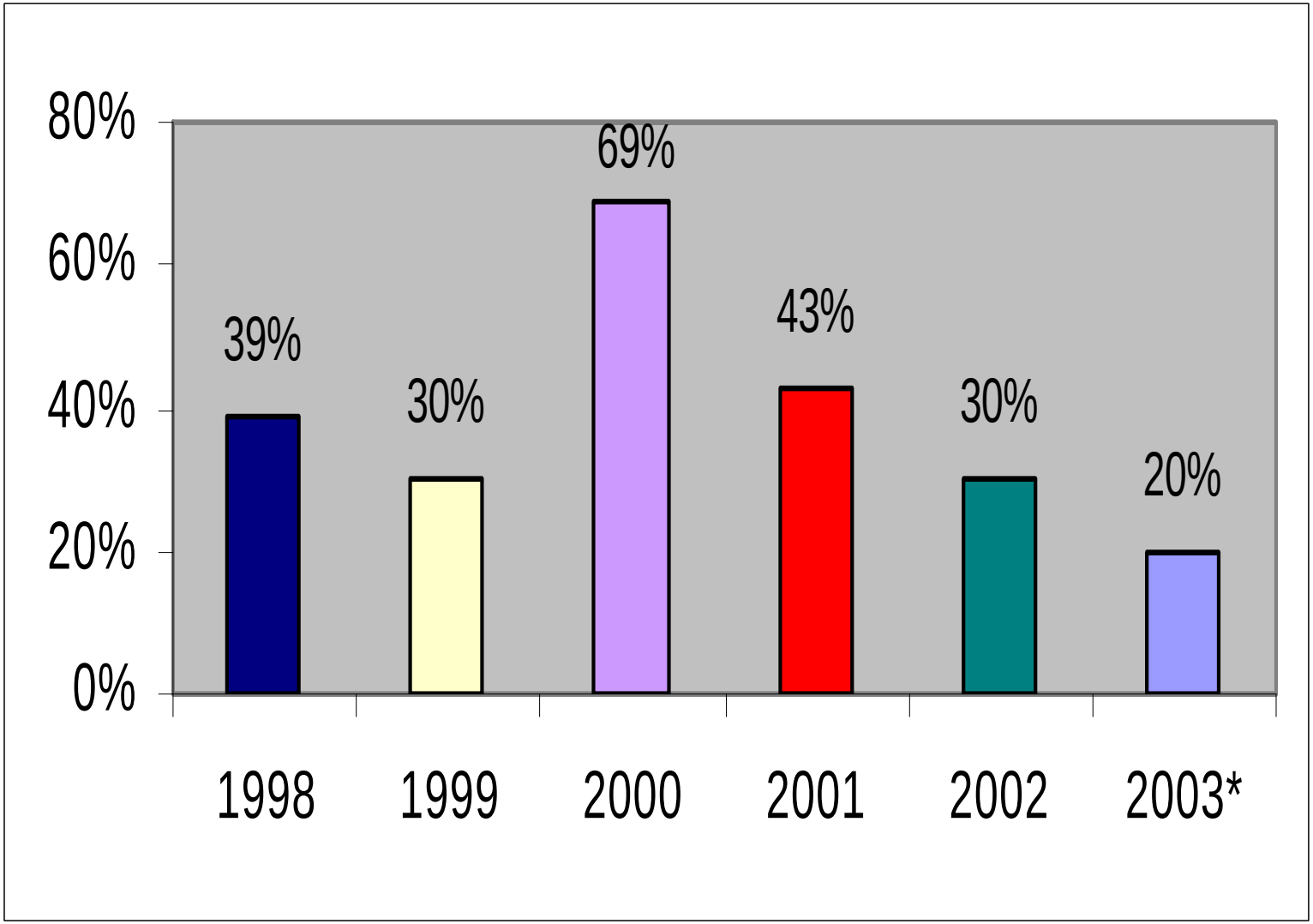


**Summary of Reported U.S. Oil and Natural Gas Industry Environmental Expenditures on Remediation and Spills: 1990-2001 (*in millions of dollars)***

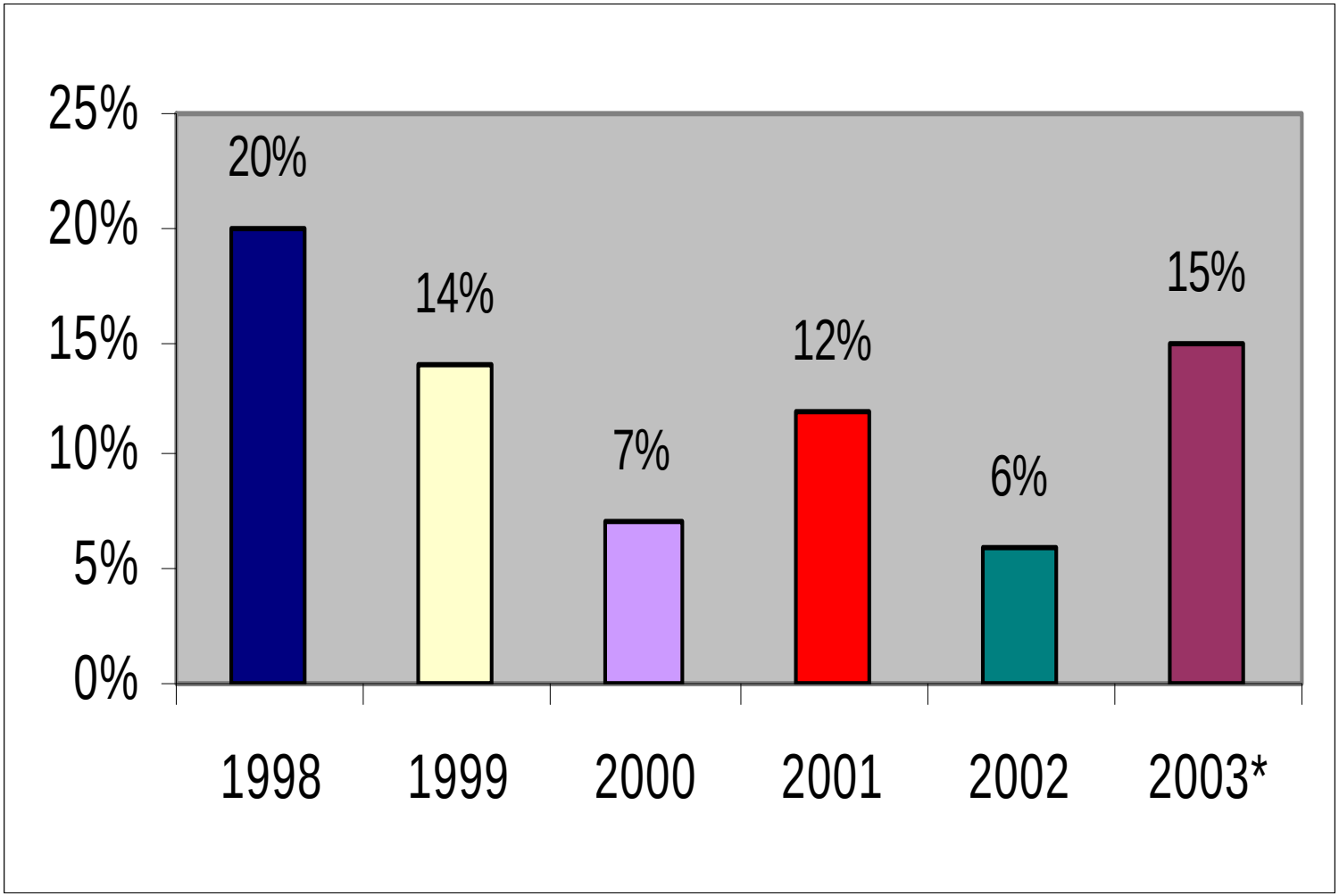



Etkin Oil Spill Graph
14,000,000
12,000,000
10,000,000
8,000,000
6,000,000
4,000,000
2,000,000
0
Gallons
2,500,000
7,000,000
3,200,000
2,900,000
13,000,000
6,200,000
1,200,000
1,100,000
1,000,000
1,150,000
1,600,000
1,500,000
800,000
500,000
510,000
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
Years

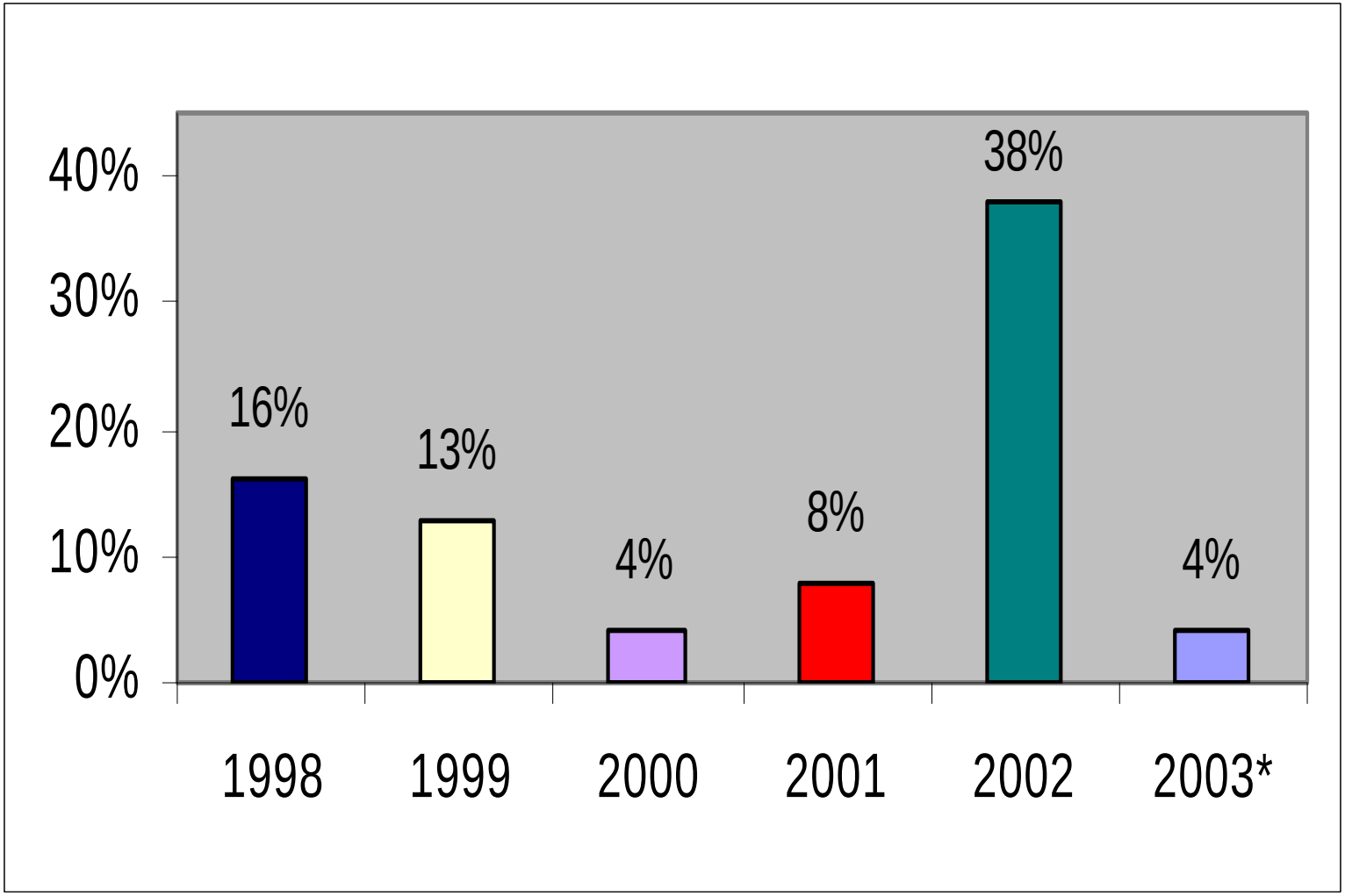
# SALES TRENDS
# OIL SPILLS



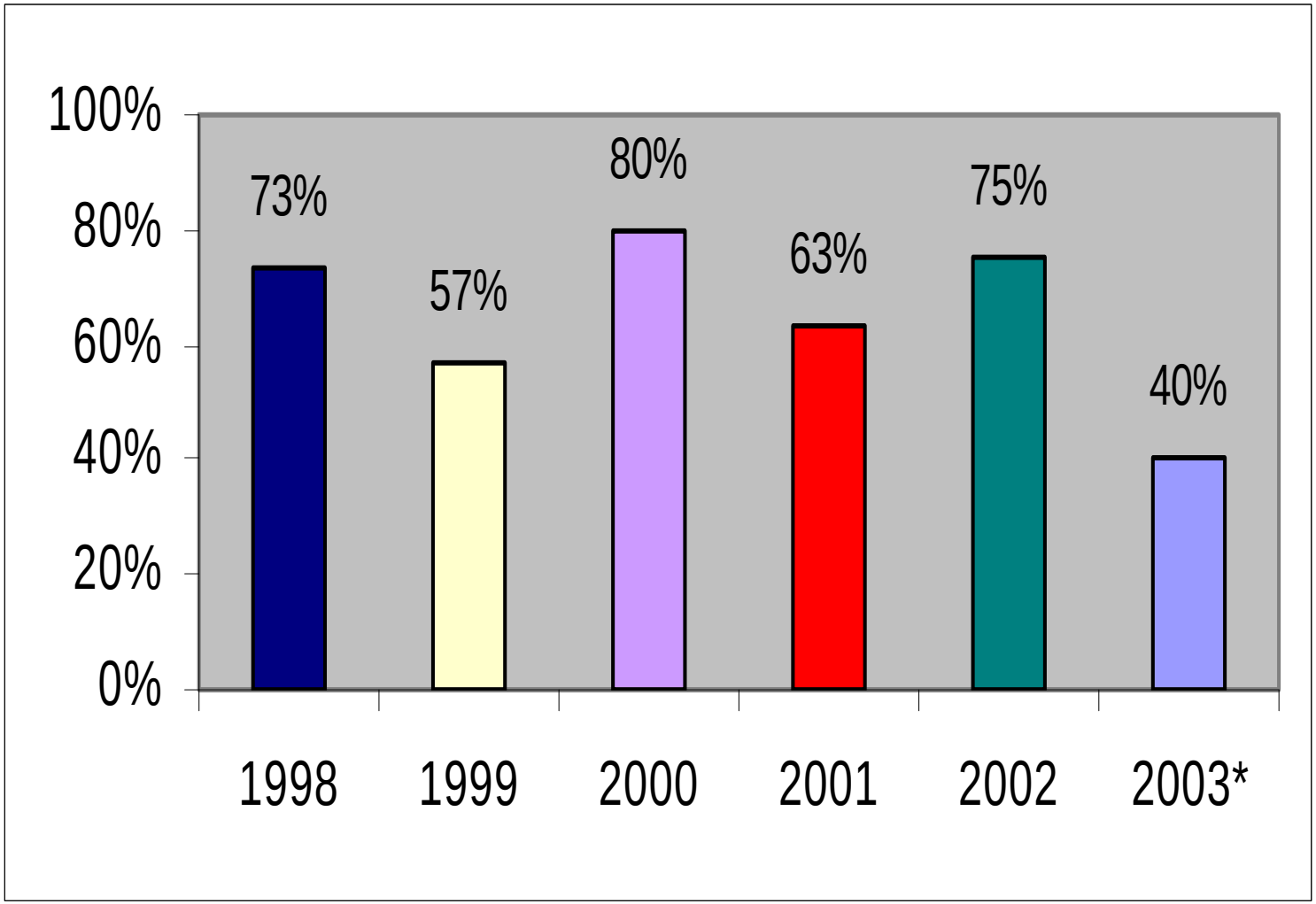
# SALES TRENDS
# HAZ MAT



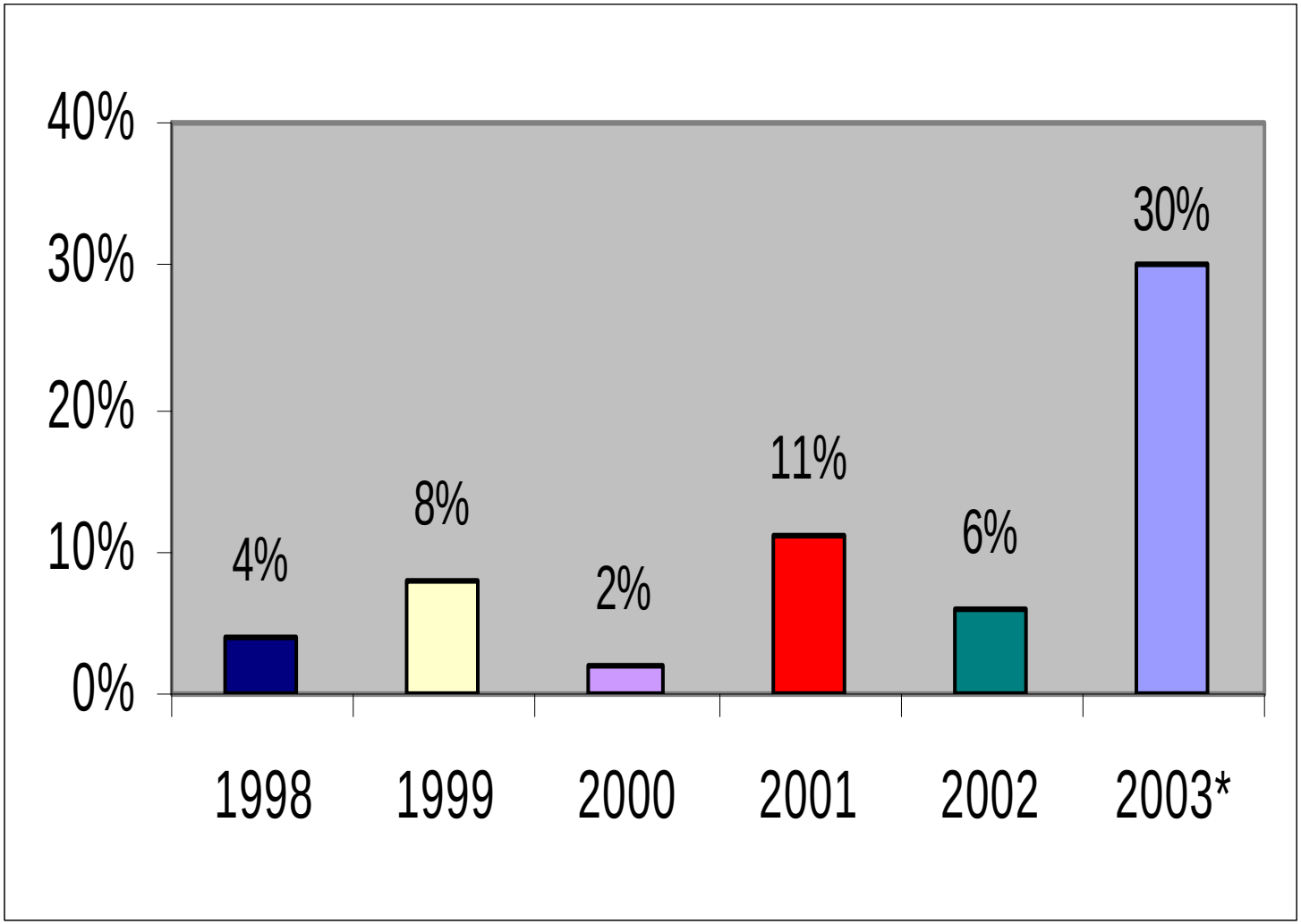
# SALES TRENDS
# DISASTER RESPONSE



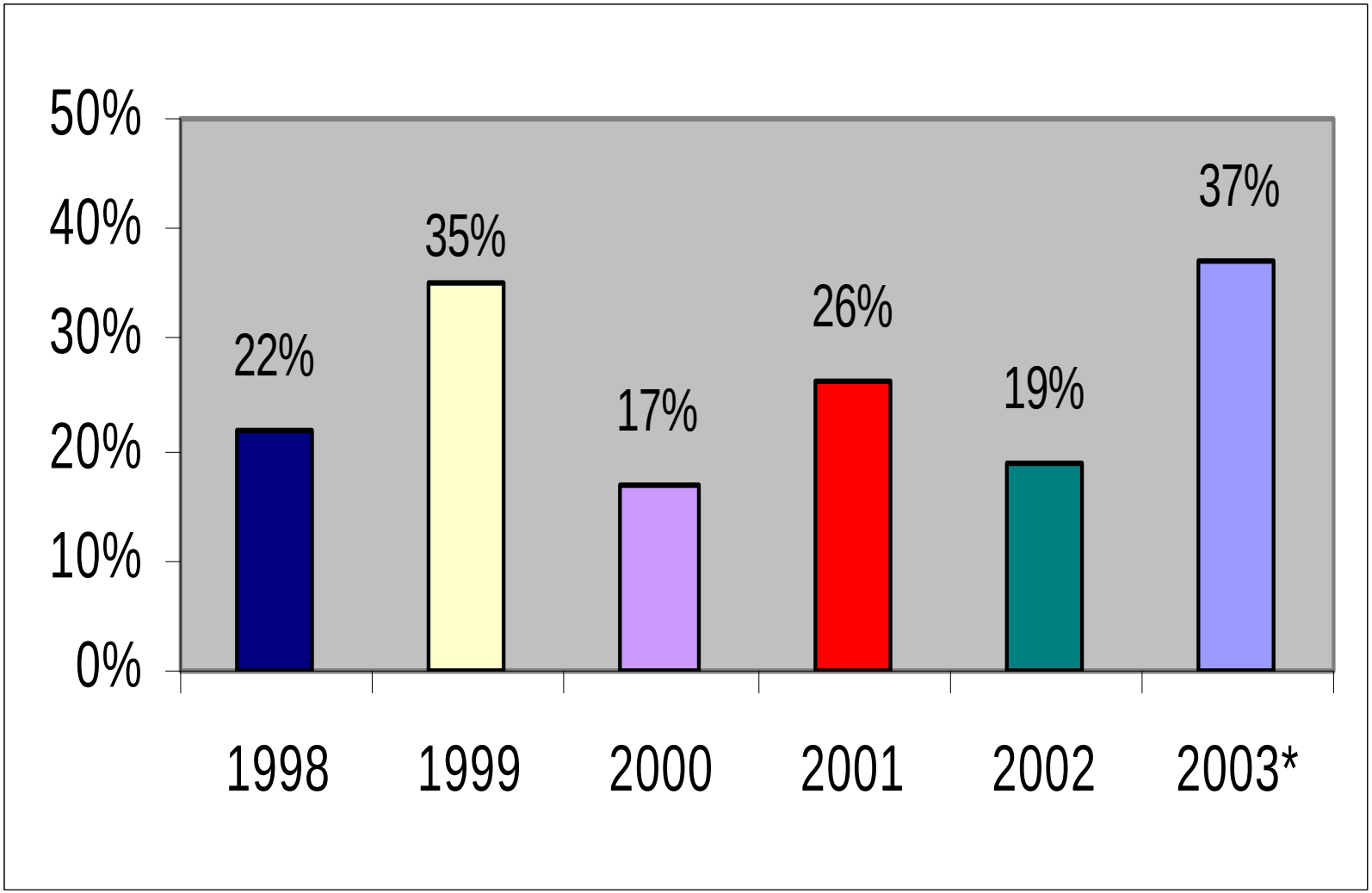
# SALES TRENDS
# ALL ER SERVICES



# SALES TRENDS DISMANTLING



# SALES TRENDS
# OTHER SERVICES



- Central Air & Heat
- Self-Contained
- Restroom
- Fax Machine
- Computer w/Color Printer
- Two-WayRadio w/Portable Repeater
- Diesel Generator
- Satellite TV
- Microwave
- GPS Units
- Water Heater
- Refrigerator
- Operations Area
- Conference Room
- Shower
- Satellite Telephone
- Digital Camera
- Telephone System w/Intercom

# FACT

**WE CANNOT PLAN OUR GROWTH**
**ON**
**EMERGENCY RESPONSE BUSINESS**

# GARNER

The Solution to Sewer Cleaning

# DEWATERING DIVISION

WHAT IS IT ??

A PATENTED PROCESS & EQUIPMENT THAT CLEANS LARGE DIAMETER PIPES AND REMOVES GRIT & DEBRIS FROM VESSELS WITHOUT TAKING THE SYSTEM OUT OF SERVICE.

- **THE GRIT GATOR**
- **THE SEWER HOG**
- **THE PIT PANTHER**

GARNER

GLOBAL SERVICES INCORPORATED

## Mexico

### Tlalneplantla
Marsella Number 12-B Fracc.
Valle Dorado, C.P. 54020
Tlalneplantla,
Estado de Mexico
Tel: (52 55) 5370 0598
Tel: (52 55) 5370.2369
Fax: (52 55) 5370.8106
Emergency 24 hours
Tel: 01.800.202.22.23
gnavarro@garner.com.mx

### Poza Rica
Av. 1 No. 1303 Col. Cazones
Poza Rica, Veracruz C.P. 93330
Tel: (01-782) 826-5016
(01-782) 826-5710

### Villahermosa
Av. Sitio Grande No. 109
Fracc. Jose Colomo, Col Atasta
C.P. 86100 Villahermosa,
Tabasco
Tel: (01-993) 354-5626
(01-993) 354-2042

## Brazil

### Rio de Janeiro
Rua México 21-Sobreloja
Rio de Janeiro, RJ 20031-144
Tel: (55-21) 22400023
(55-21) 25440159
garner@garner-es.com.br

## Perú

### Lima
Av. La Marina 544, Ofic. A
Pueblo Libre, Lima
Tel: (511) 9900 9606
Cell: (511) 9906 9911
ges-et@terra.com.pe

## Ecuador

### Quito
Av. Amazonas N 34-311 y Av.
Atahualpa, Edificio Financiero
Amazonas (CORFINSA), Piso 7
Quito, Ecuador
Ph. (593) 2-227-3531
(593) 2-2449377
(593) 2-9039039
garner@garnerecuador.com

## Venezuela

### Mérida
Zona Industrial Los Curos
Local a-13, Calle 2
Zona Postal 5101
Mérida Estado Mérida
Tel: (58 274) 271.54.22
(58 274) 271.03.23
(58 274) 271.24.03
Cell: (58 414) 374.23.73
Fax: (58 274) 271.01.92
garner@telcel.net.ve

### Puerto La Cruz
Complejo Turistico el Morro
Centro Comercial Plaza Mayor
Edificio 5 Verde
Piso 2 Oficina N2-02
El Morro, Edo.
Anzoategui Venezuela
Tel: (58 281) 282.26.46
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Fax: (58 281) 282.27.74
garner@cantv.net
www.garner-es.com.ve

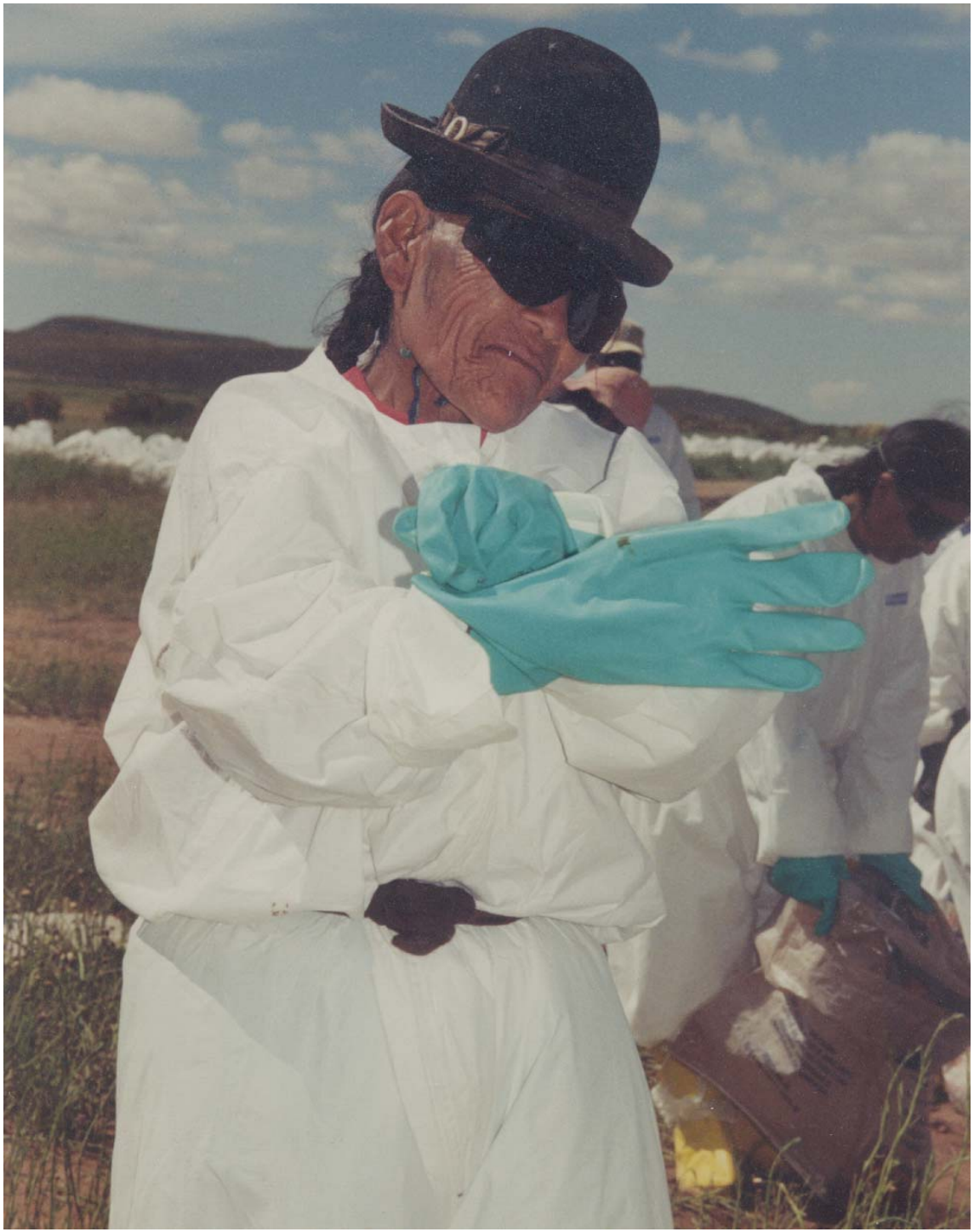
### Anaco
Av. Jose Antonio Anzoategui
Km. 97 Galpon #1
Anaco Edo. Anzoategui
Tel: (58 282) 424.31.58
Fax: (58 282) 425.13.96

# BOLIVIA

*Transredes* ***Pipeline***

***Oil Spill Response at 15,000 feet***

ANTONOV
DESIGN BUREAU
INTERNATIONAL CARGO
TRANSPORTER
ANTONOV 124-100



GARNER
DE VENEZUELA, S.A.
SERVICIOS AMBIENTALES

# VENEZUELA -
## PUERTO DE LA QUAIRA

***Disaster Response***

# HAZMAT Emergency in the Port of La Guaira

*The Venezuelan Floods – December 1999*

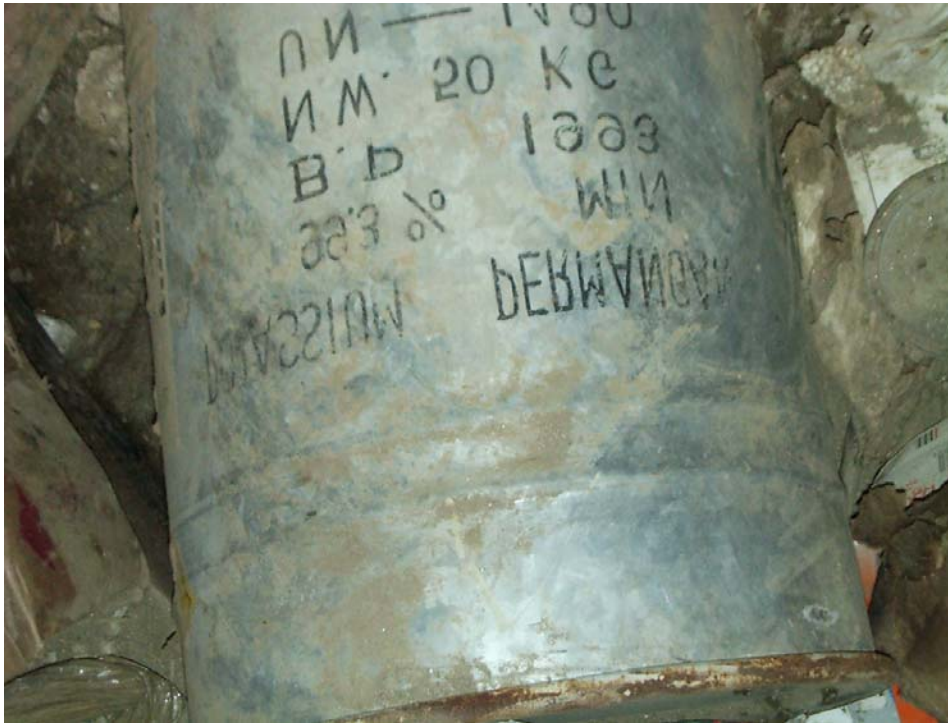
GARNER
DE VENEZUELA, S.A.
SERVICIOS AMBIENTALES

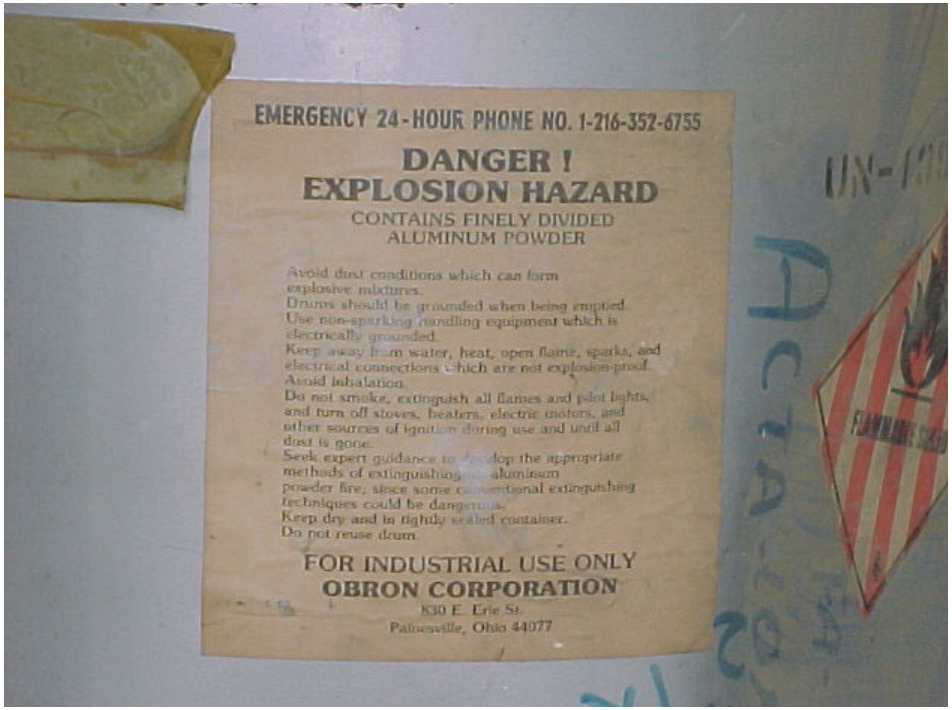
More than 250,000 persons homeless

30,000 – 50,000 dead,

MAERSK
MAERSK
MAERSK
MAERSK

EMERGENCY 24-HOUR PHONE NO. 1-216-352-6755
DANGER !
EXPLOSION HAZARD
CONTAINS FINELY DIVIDED
ALUMINUM POWDER
FOR INDUSTRIAL USE ONLY
OBRON CORPORATION
UN-1396
FLAMMABLE SOLID
4

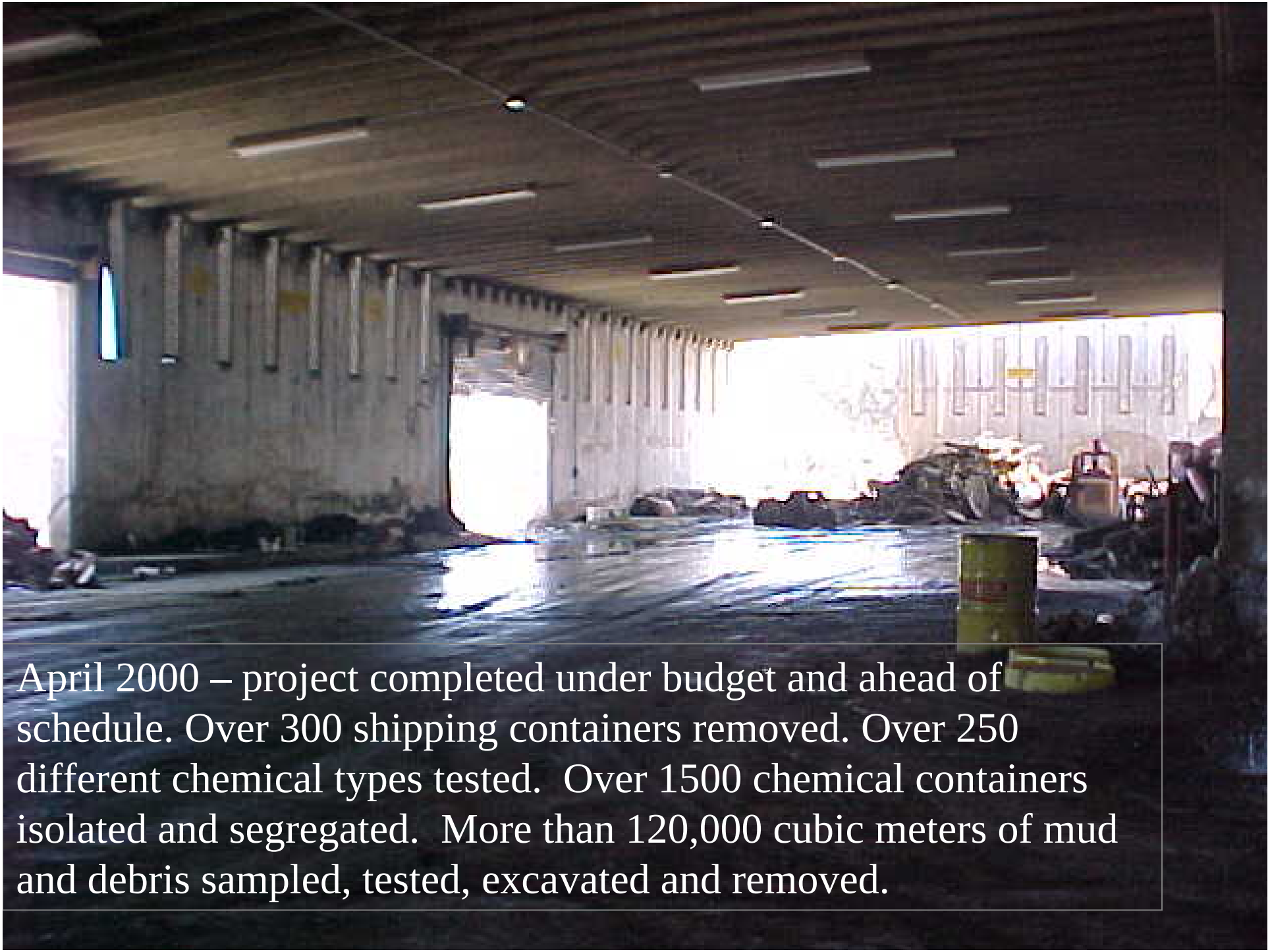



EMERGENCY 24-HOUR PHONE NO. 1-216-352-6755
DANGER !
EXPLOSION HAZARD
CONTAINS FINELY DIVIDED
ALUMINUM POWDER
Avoid dust conditions which can form
explosive mixtures.
Drums should be grounded when being emptied.
Use non-sparking handling equipment which is
electrically grounded.
Keep away from water, heat, open flame, sparks, and
electrical connections which are not explosion-proof.
Avoid inhalation.
Do not smoke, extinguish all flames and pilot lights,
and turn off stoves, heaters, electric motors, and
other sources of ignition during use and until all
dust is gone.
Seek expert guidance to develop the appropriate
methods of extinguishing an aluminum
powder fire, since some conventional extinguishing
techniques could be dangerous.
Keep dry and in tightly sealed container.
Do not reuse drum.
FOR INDUSTRIAL USE ONLY
OBRON CORPORATION
830 E. Erie St.
Painesville, Ohio 44077

GARNER
DE VENEZUELA, S.A.
SERVICIOS ABMIENTALES
3100
uni-loader
12
CASE
1840

MANCHESTER
XTRA

ALMACEN



April 2000 – project completed under budget and ahead of schedule. Over 300 shipping containers removed. Over 250 different chemical types tested. Over 1500 chemical containers isolated and segregated. More than 120,000 cubic meters of mud and debris sampled, tested, excavated and removed.

GARNER

1-800-424-1716

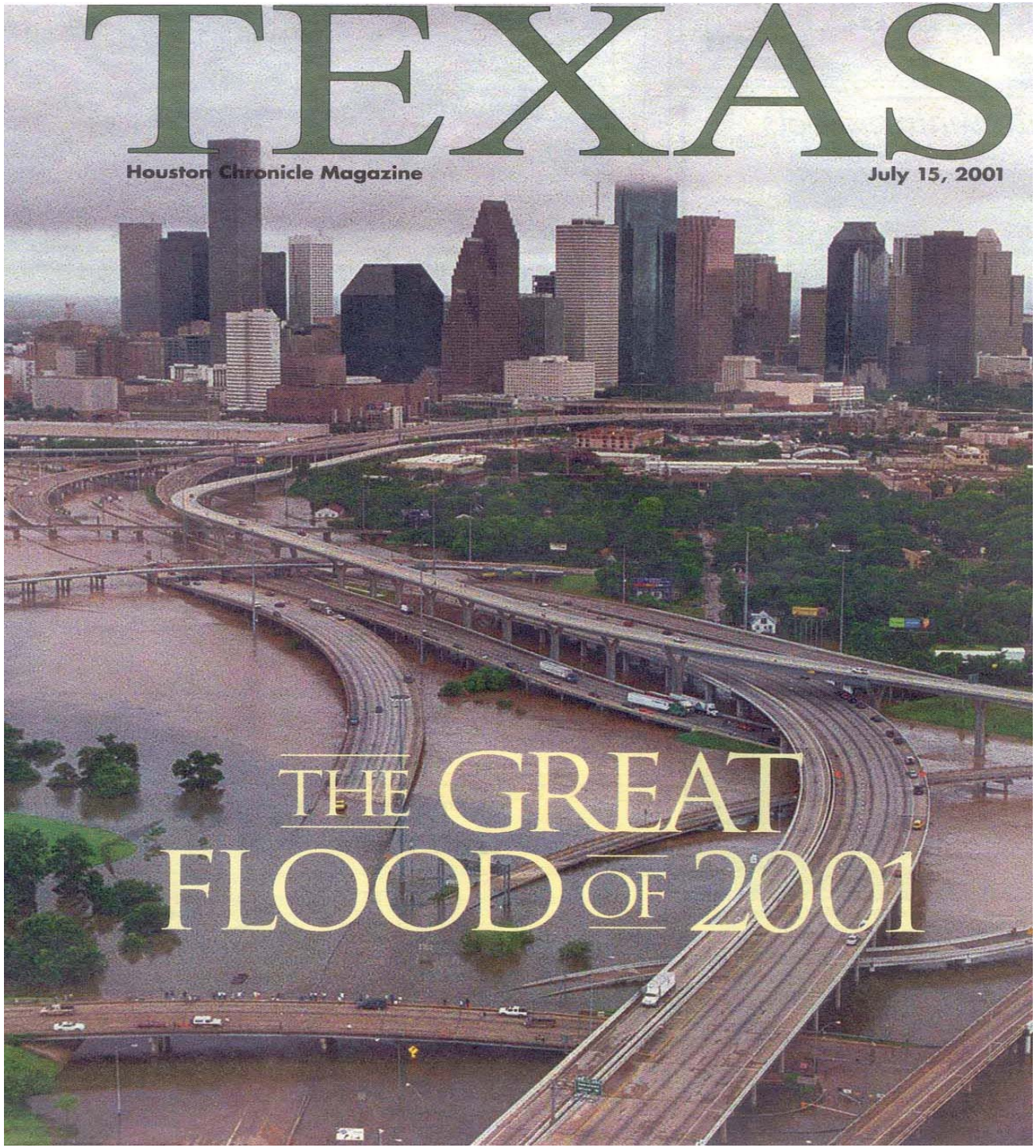
The Emergency Response Company

# *Disaster Response Operations*

# TEXAS

Houston Chronicle Magazine

July 15, 2001



# THE GREAT FLOOD OF 2001

WE WILL NEVER FORGET

N.Y.C. DEPARTMENT OF SANITATION
FRESH KILLS LANDFILL
FOLLOW SIGNS TO AREAS BELOW:
•PLANT #1 INFORMATION CENTER
•PLANT #1 SECTION 1/9
•MARINE UNLOADING
•MULDOON LANDFILL INFORMATION CENTER
•MULDOON SECTION 2/8
•HOUSEHOLD DISPOSAL AREA
•ASBESTOS DISPOSAL AREA
•COMPOST FACILITY
•BUREAU OF MOTOR EQUIPMENT
•FRESH KILLS STORE ROOM

2001 9 26

CASE
POWERCO RENTALS
Screen Mobile
2001 9 27

# AS AN OSRO,
# Where Do We Go From Here?

- Experienced Personnel Skill Sets?
- Necessary Specialized Response Equipment?
- Interagency and Inter-company Relationships?
- Experience & Performance Track Record