

US EPA ARCHIVE DOCUMENT

OSROs:
***WHERE ARE THEY FOR THE FACILITY
RESPONSE PLAN HOLDERS IN THE WESTERN
USA?***

AN INDUSTRY PERSPECTIVE

By

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THE NEED FOR INLAND OSRO'S

WESTERN U. S. HAS:

14.6% OF U. S. REFINERIES

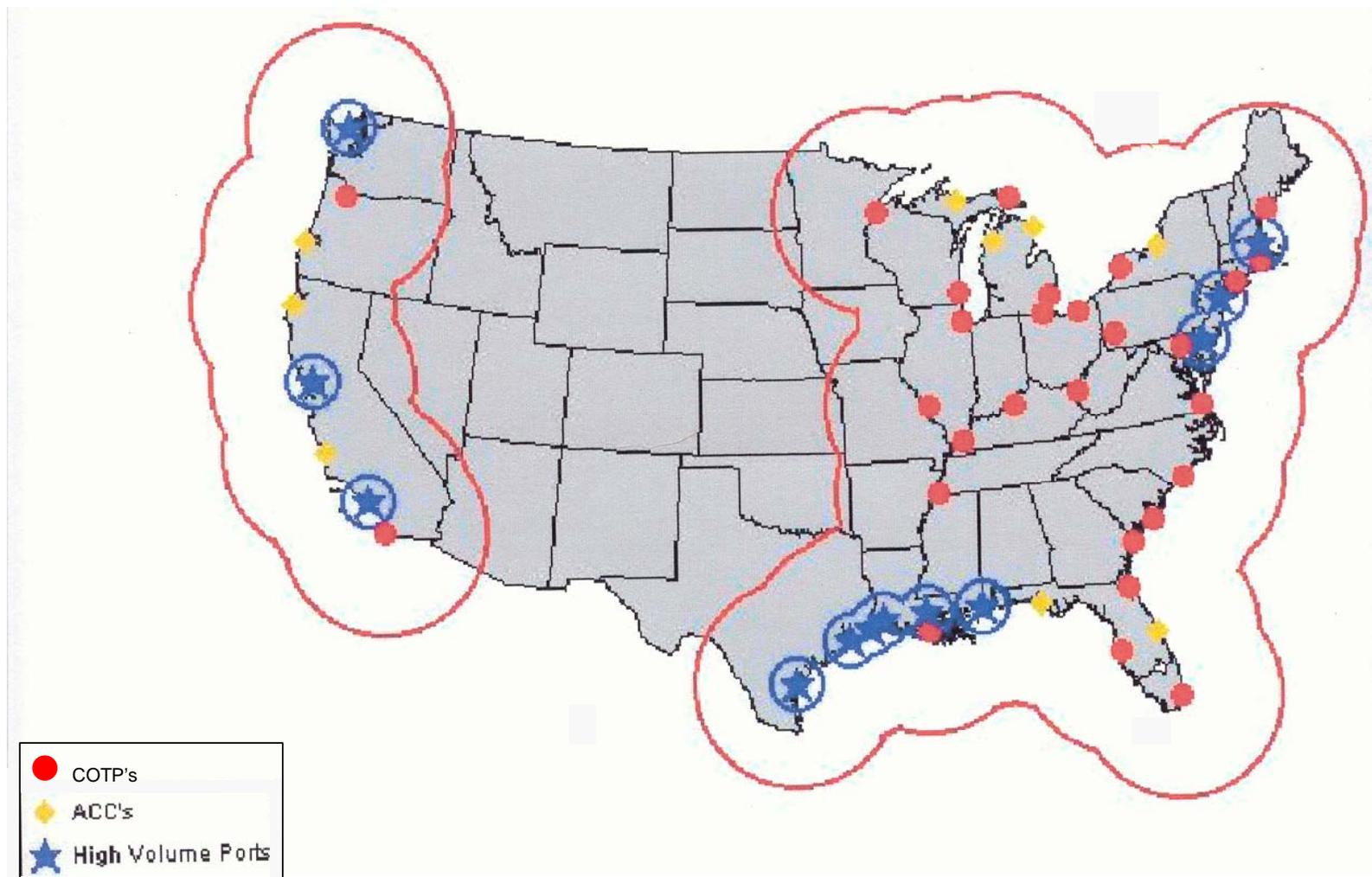
NUMEROUS CRUDE OIL PIPELINES

**NINE OF THE TOP TWENTY
OIL PRODUCING STATES**

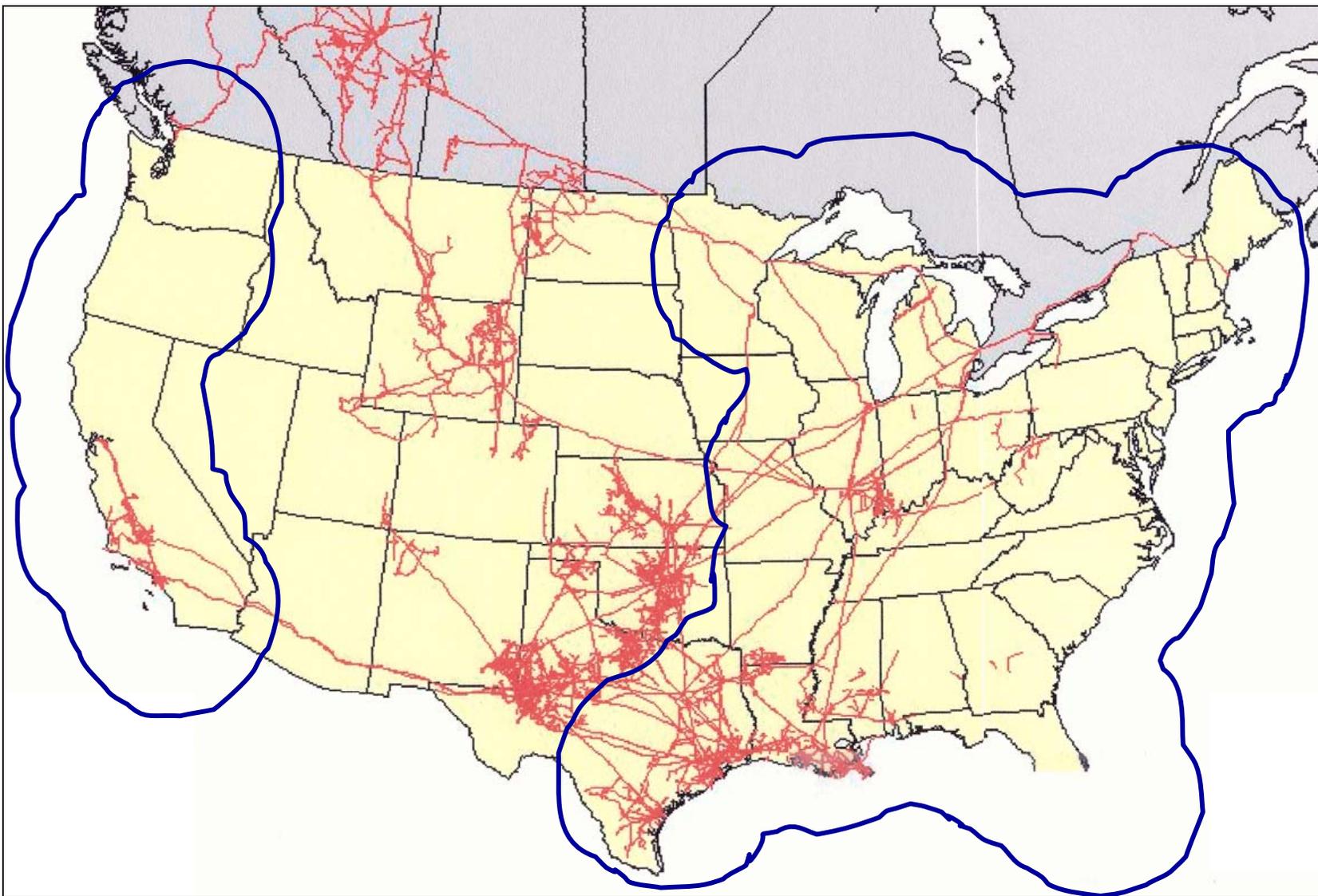
VULNERABLE AREAS

NO U. S. COAST GUARD COTPs OR ACCs

U. S. COAST GUARD COTP AND ACC COVERAGE



CRUDE OIL PIPELINE LOCATIONS IN THE U. S.



VULNERABILITIES

PIPELINE CROSSINGS

INLAND REFINERIES

TERRORIST THREATS

NUMBER OF INLAND SPILLS

70% OF ALL SPILLS OCCUR INLAND

NATIONAL TREASURES

GRAND CANYON

YELLOWSTONE NAT'L PARK

MESA VERDE

LAKE POWELL

ISSUES FACED BY WESTERN COMPANIES
THAT NEED OSROs

LOCATED OUTSIDE COTP/ACC CIRCLES

OSRO RESPONSE TIMEFRAMES

EPA and DOT CHECKLISTS
REQUIRE AN OSRO

MUTUAL AID ORGANIZATIONS
PROVIDE LIMITED HELP AND RELIABILITY

ISSUES FACED BY AN INLAND OSRO

**LOCATION OF COTPs and ACCs MAKE
SUPPORTING INLAND SITES DIFFICULT**

**LIMITED UNDERSTANDING OF
EQUIPMENT DIFFERENCES IN COASTAL
AND INLAND ENVIRONMENTS
BY REGULATORY AGENCIES**

**DIFFERENT APPROACHES TO INLAND WATER
SPILLS VS. COASTAL SPILLS ARE REQUIRE
A CHANGE IN PERSPECTIVE**

POSSIBLE ALTERNATIVE CITIES

**UTILIZE CITIES WHERE
THE EPA OR DOT
ALREADY HAS A PRESENCE
TO CREATE NEW CLASSIFICATION CITIES
CONTROLLED BY EPA/DOT CALLED
INLAND COMPLIANCE CITIES**

POSSIBLE ALTERNATIVE INLAND COMPLIANCE CITIES

Great Falls, MT

Billings, MT

Casper, WY

Phoenix, AZ

Bismarck, ND

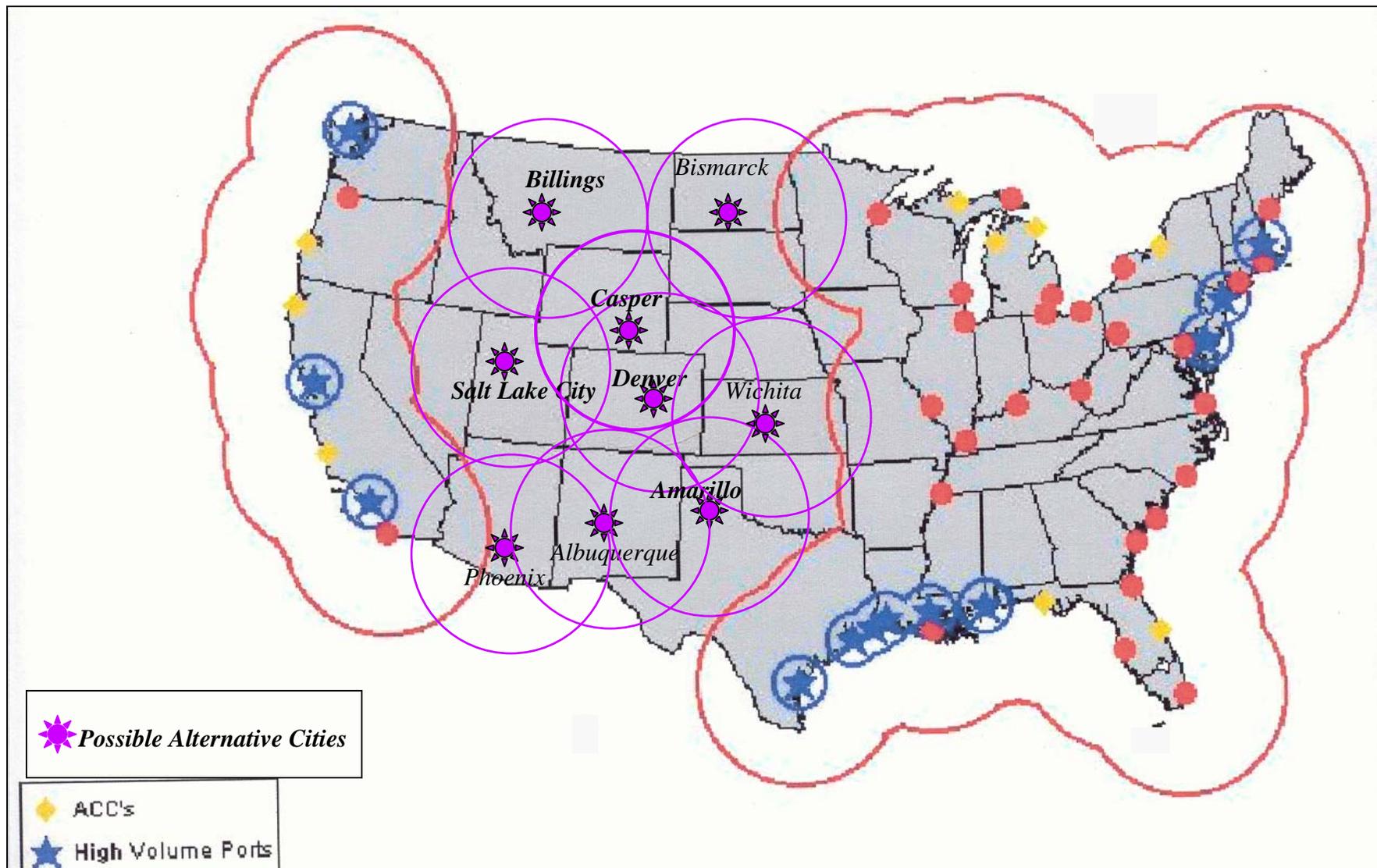
Salt Lake City, UT

Denver, CO

Amarillo, TX

Albuquerque, NM

Wichita, KS



INLAND RIVER BOOMING LOCATIONS



ARIZONA

Colorado
Gila
Aqua Fria
Salt
Bill Williams

COLORADO

Arkansas
Colorado
Fountain
South Platt
Alamosa
Rio Grande
Snake
Pine
Gunnison
Animas

NEW MEXICO

Rio Grande
Red
Chama
Brazos
Jemez
San Juan
Animas
Embudo
Pecos
Cimarron
Canadian
Mora
Gila

INLAND RIVER BOOMING LOCATIONS (cont.)



NORTH DAKOTA

Missouri
Red

SOUTH DAKOTA

Cheyenne
Missouri
Red

Popo Agie
Green
Wind

North Platt
Shoshone
Gros Ventre
Powder

WYOMING

Little Wind
Yellowstone
Big Horn
Cheyenne
Clarks Fork
Hovack
Sand

Snake
Tongue
Lamar

IDAHO

Big Lost
Big Wood
Little Wood
Clark Fork
Clearwater
Colburn
Humboldt
Little Lost
Bruneau
Lochsa
Payette
Salmon
Selway
Snake

INLAND RIVER BOOMING LOCATIONS (cont.)



MONTANA

Clark Fork	Missouri	Sun
Yellowstone	Marias	Shoshone
Teton	Bitterroot	Blackfoot
Boulder	Dearborn	Flathead
Gallatin	Jefferson	Madison
Powder	Rock	Sheilds
Smith	Tongue	Stillwater
Swan		

UTAH

Weber	Virgin
Bear	San Juan
Colorado	Uinta
Dolores	Logan
Escalante	
Fremont	
Green	

IDAHO

Big Lost	Lochsa
Big Wood	Payette
Bruneau	Salmon
Clark Fork	Selway
Clearwater	Snake
Little Wood	Colburn
Humboldt	
Little Lost	

EQUIPMENT DIFFERENCES

INLAND ENVIRONMENTS NEED:

SMALLER BOOM



INLAND



COASTAL

EQUIPMENT DIFFERENCES

INLAND ENVIRONMENTS NEED:

SMALLER SKIMMERS



INLAND



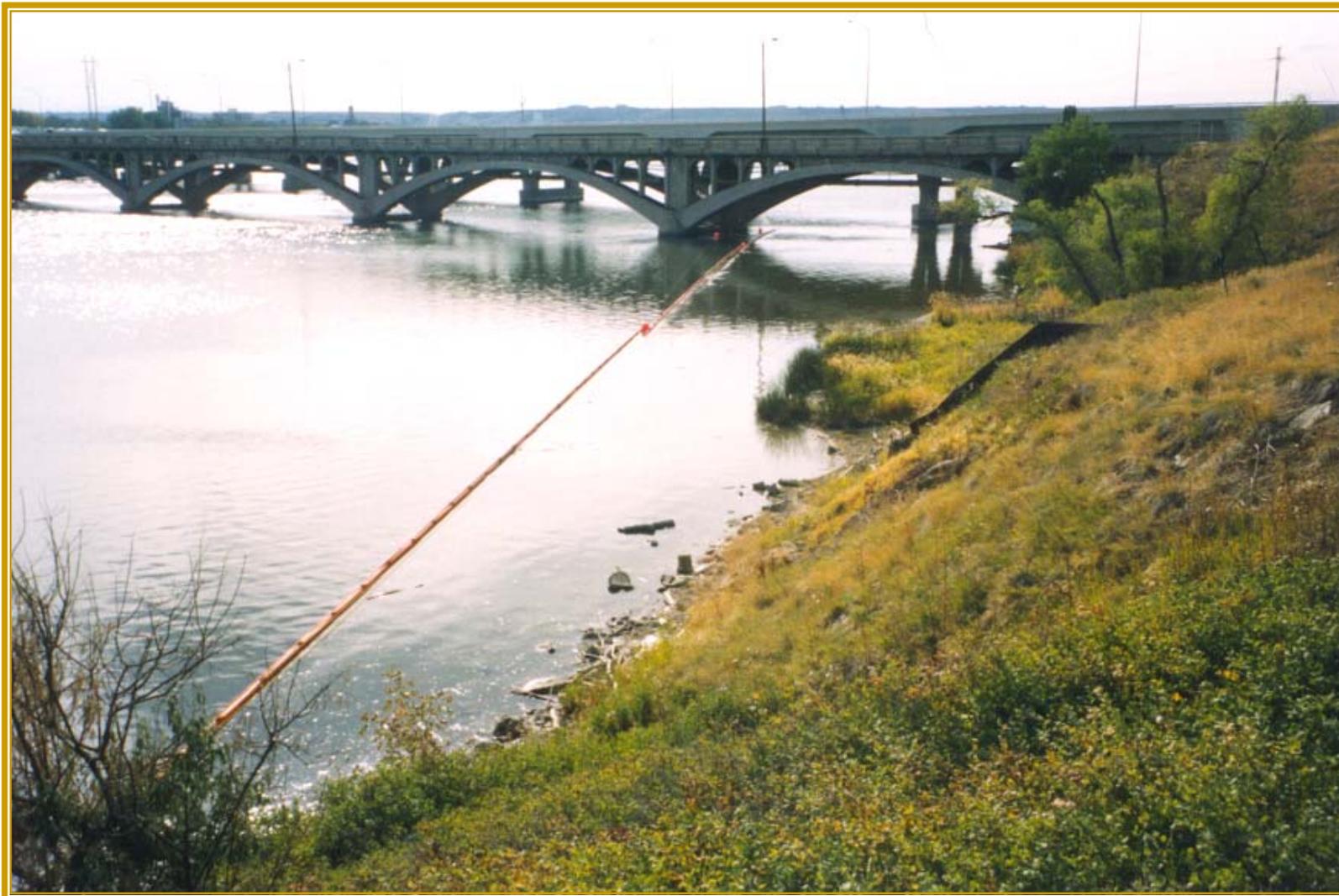
COASTAL

APPROACHES TO INLAND WATER SPILLS

BANK TO BANK CASCADE ANCHOR SYSTEM



APPROACHES TO INLAND WATER SPILLS
BRIDGE TO BANK CASCADE ANCHOR SYSTEM



APPROACHES TO INLAND WATER SPILLS
BRIDGE TO BANK CASCADE ANCHOR SYSTEM



APPROACHES TO INLAND WATER SPILLS

BUOY TO BANK CASCADE ANCHOR SYSTEM



APPROACHES TO INLAND WATER SPILLS
BUOY TO BANK CASCADE ANCHOR SYSTEM



OBSERVATIONS

**MANY CURRENT OSROs ARE TOO FAR AWAY TO
REACH MANY INLAND COMPANIES
IN A TIMELY MANNER**

**US COAST GUARD RESPONSIBILITIES
DO NOT EXTEND TO MOST INLAND AREAS**

**EPA AND DOT INVOLVEMENT IS CURRENTLY
LIMITED TO FACILITY RESPONSE PLAN REVIEWS**

RECOMMENDATIONS

EPA AND DOT ESTABLISH

“INLAND COMPLIANCE CITIES”

TO COVER THE INLAND U. S.

AND DETERMINE WHO WILL DRIVE

THIS COVERAGE AND HOW

RECOMMENDATIONS

**EPA/DOT PARTICIPATE IN
MODIFYING OR CREATING
OSRO GUIDELINES FOR
*RIVERS, CANALS, AND LAND SPILLS***

**(INCLUDING NON-NAVIGABLE AND DAMMED
WATERWAYS, AND THOSE WITH NO
COMMERCIAL BOAT TRAFFIC)**

RECOMMENDATIONS

**USCG, EPA AND DOT
CONSULT ABOUT
RIVER AND CANALS ISSUES
TO ESTABLISH
INLAND COMPLIANCE CITIES
FOR OSRO CLASSIFICATIONS**

RECOMMENDATIONS

**EPA AND DOT PROVIDE
RECOMMENDATIONS TO
FACILITY PLAN HOLDERS
ON OSRO SELECTION
FOR RIVERS AND CANALS**

RECOMMENDATIONS

DEVELOP
GEOGRAPHICAL RESPONSE PLANS
AS A PART OF
FACILITY RESPONSE PLANS AND
REGIONAL PLANS

RECOMMENDATIONS

DEVELOP A SYSTEM FOR DETERMINING

OSRO COMPETENCY

AND

PROVIDE

TRAINING CERTIFICATIONS

FOR PERSONNEL

CONCLUSION

**WITHOUT SOME OUTSIDE SUPPORT FOR
INLAND OIL COMPANIES
IN THE EVENT OF A SPILL,
*THE POTENTIAL FOR THE LOSS OF
VALUABLE NATURAL RESOURCES
IS GREAT.***