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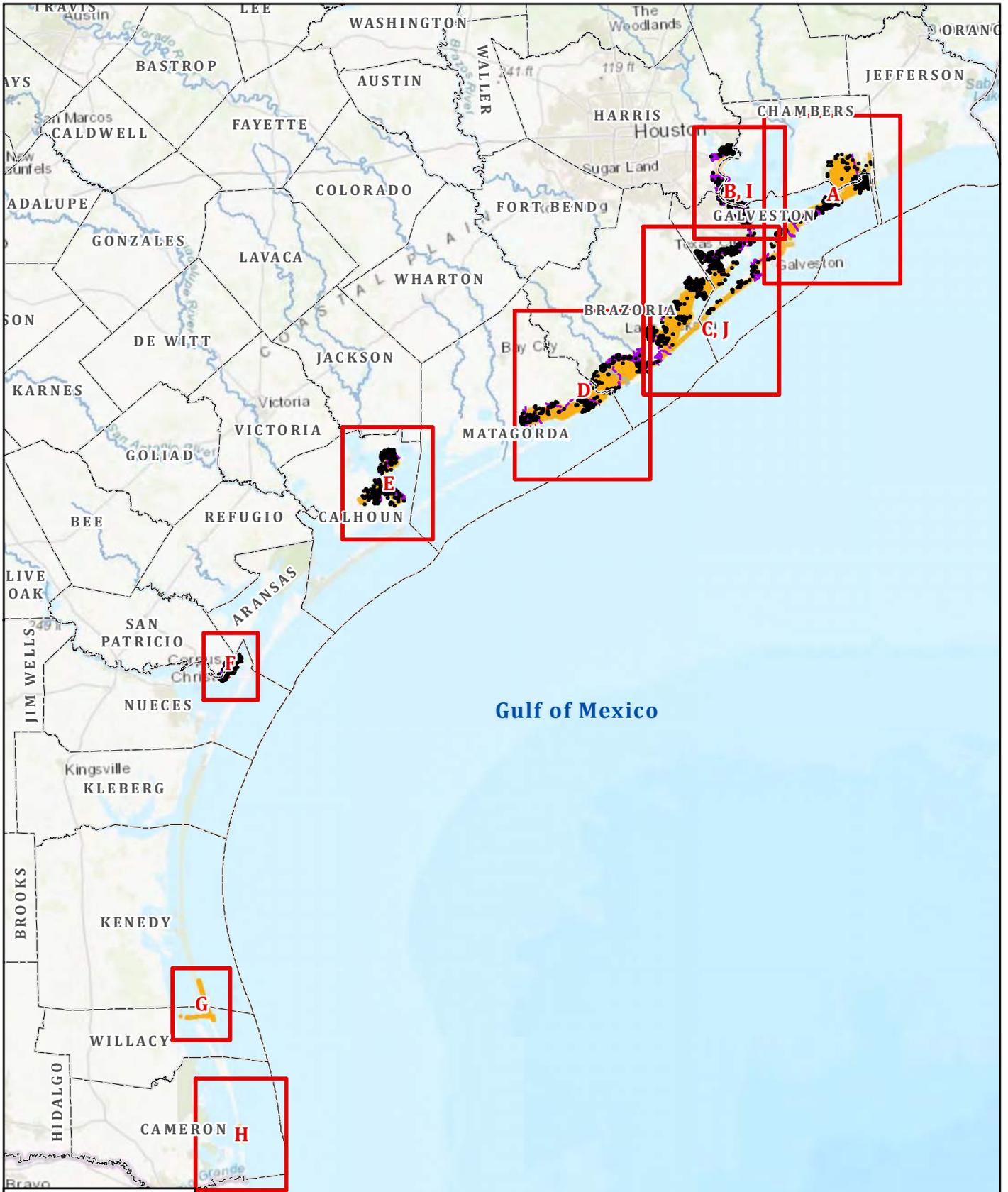
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Attachment 1

Energy Impacts Alternatives Overview



Base Map: ESRI World Topographic Map Service

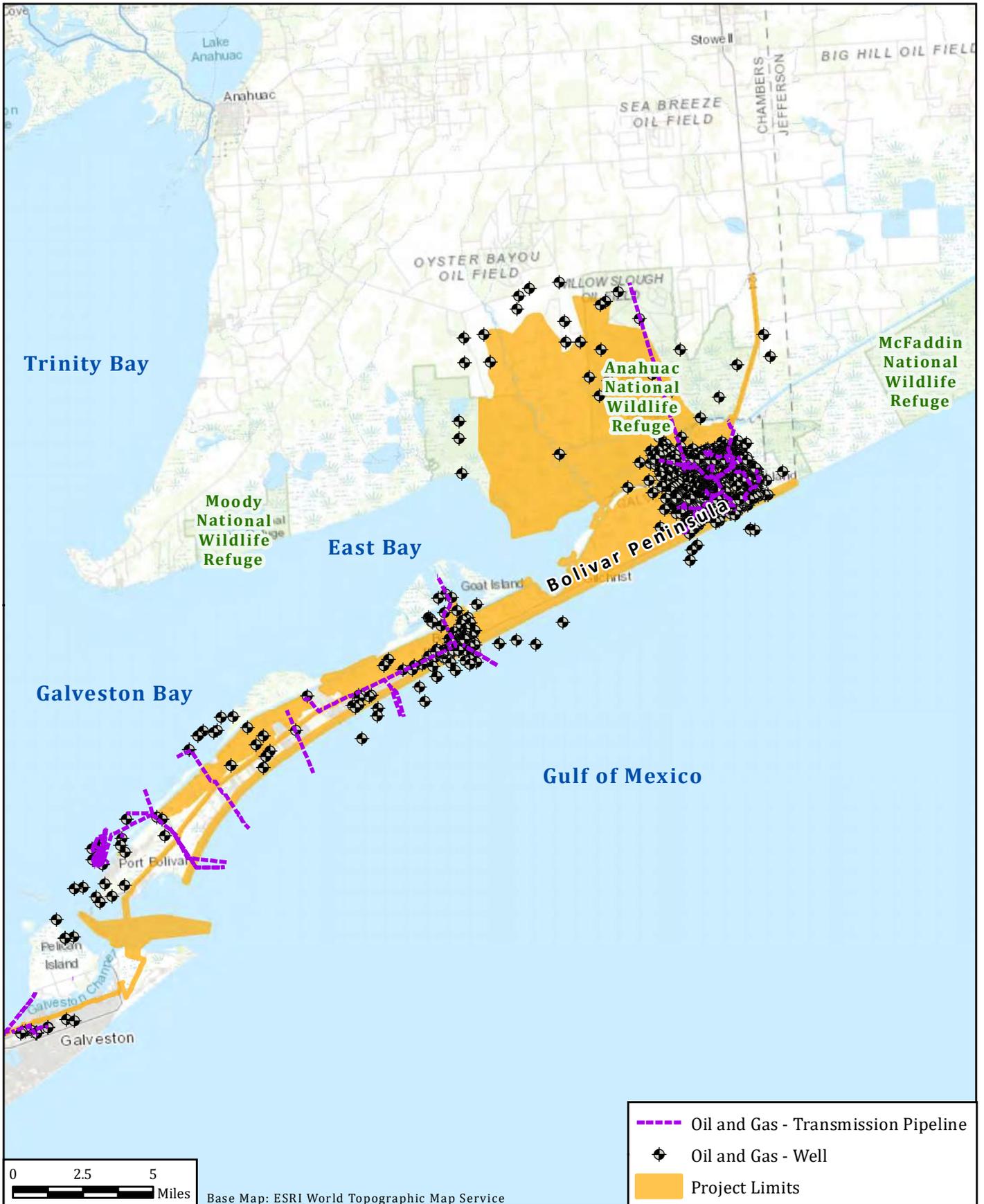
 Project Limits



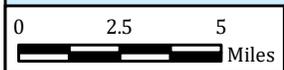
USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY

Energy Impacts Overview

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- - - - Oil and Gas - Transmission Pipeline
- ◆ Oil and Gas - Well
- Project Limits



Base Map: ESRI World Topographic Map Service



USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY
Energy Impacts - Alternative 1
Coastal Barrier CSRM and ER

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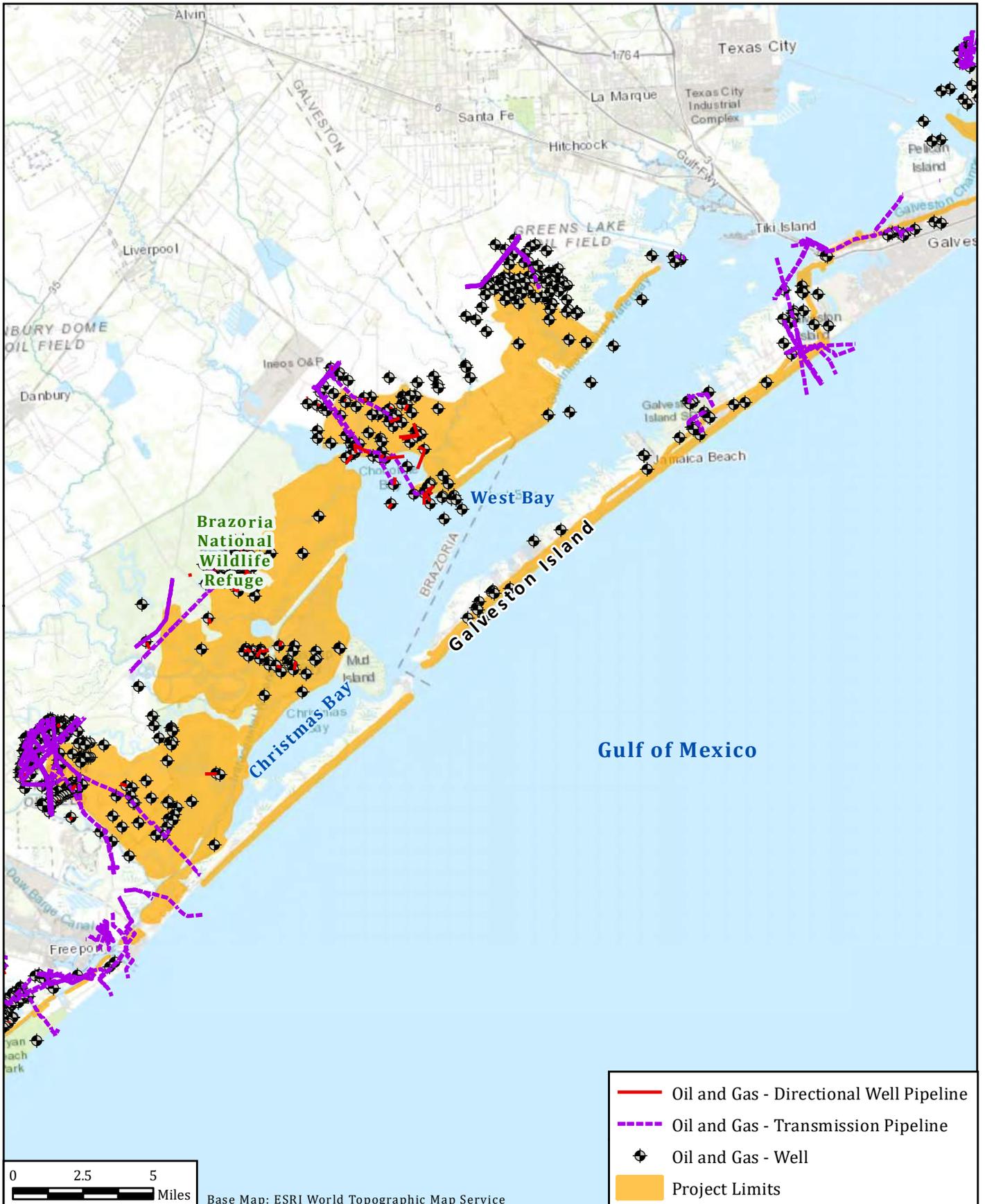
FIGURE



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 PROTECTION AND RESTORATION STUDY
**Energy Impacts - Alternative 1
 Coastal Barrier CSRM**

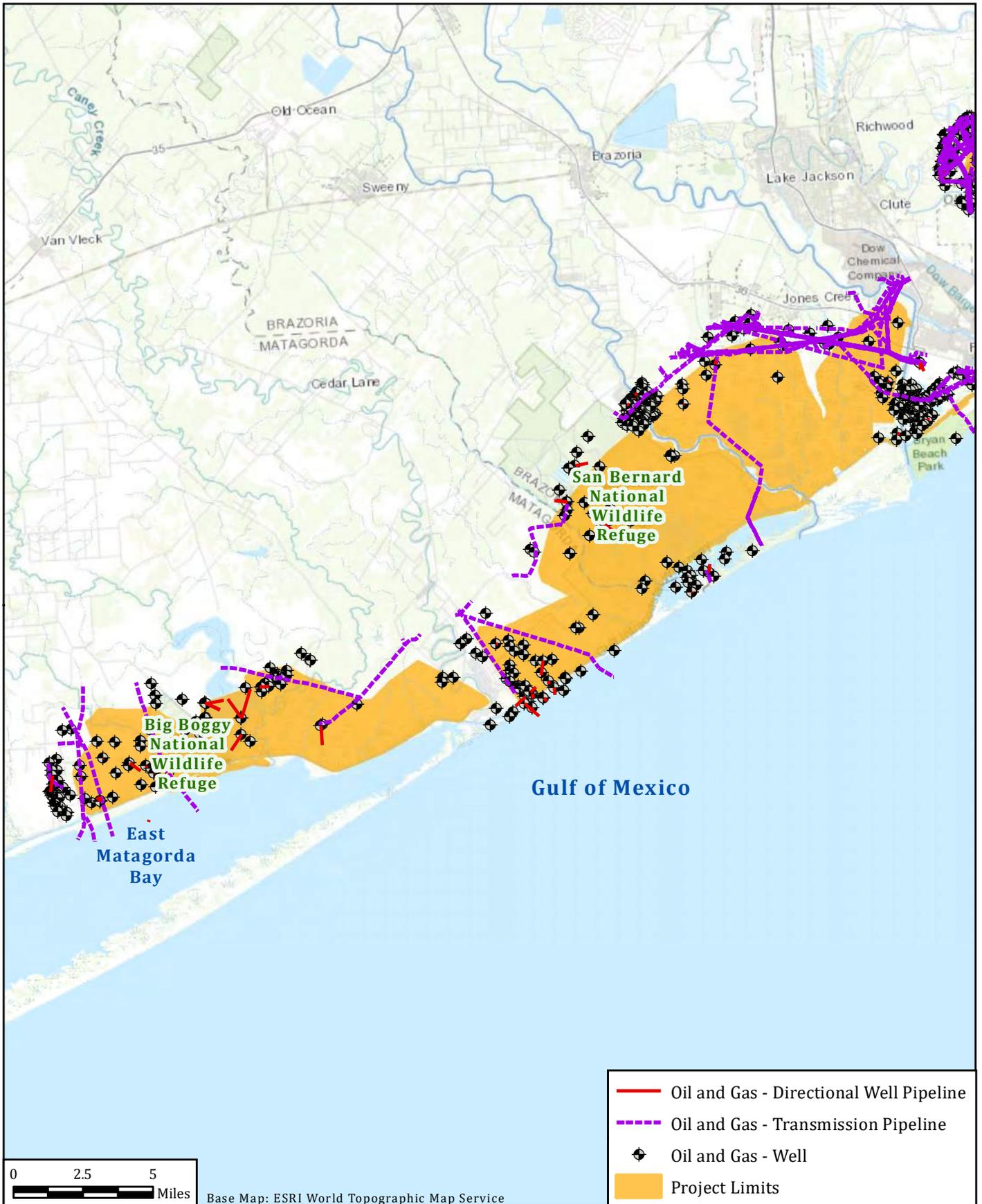
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B
FIGURE



- Oil and Gas - Directional Well Pipeline
- - - Oil and Gas - Transmission Pipeline
- ◆ Oil and Gas - Well
- Project Limits

	USACE COASTAL TEXAS PROTECTION AND RESTORATION STUDY	FN JOB NO TGL18185 FILE NAME C.mxd DATE 8/14/2018	C FIGURE
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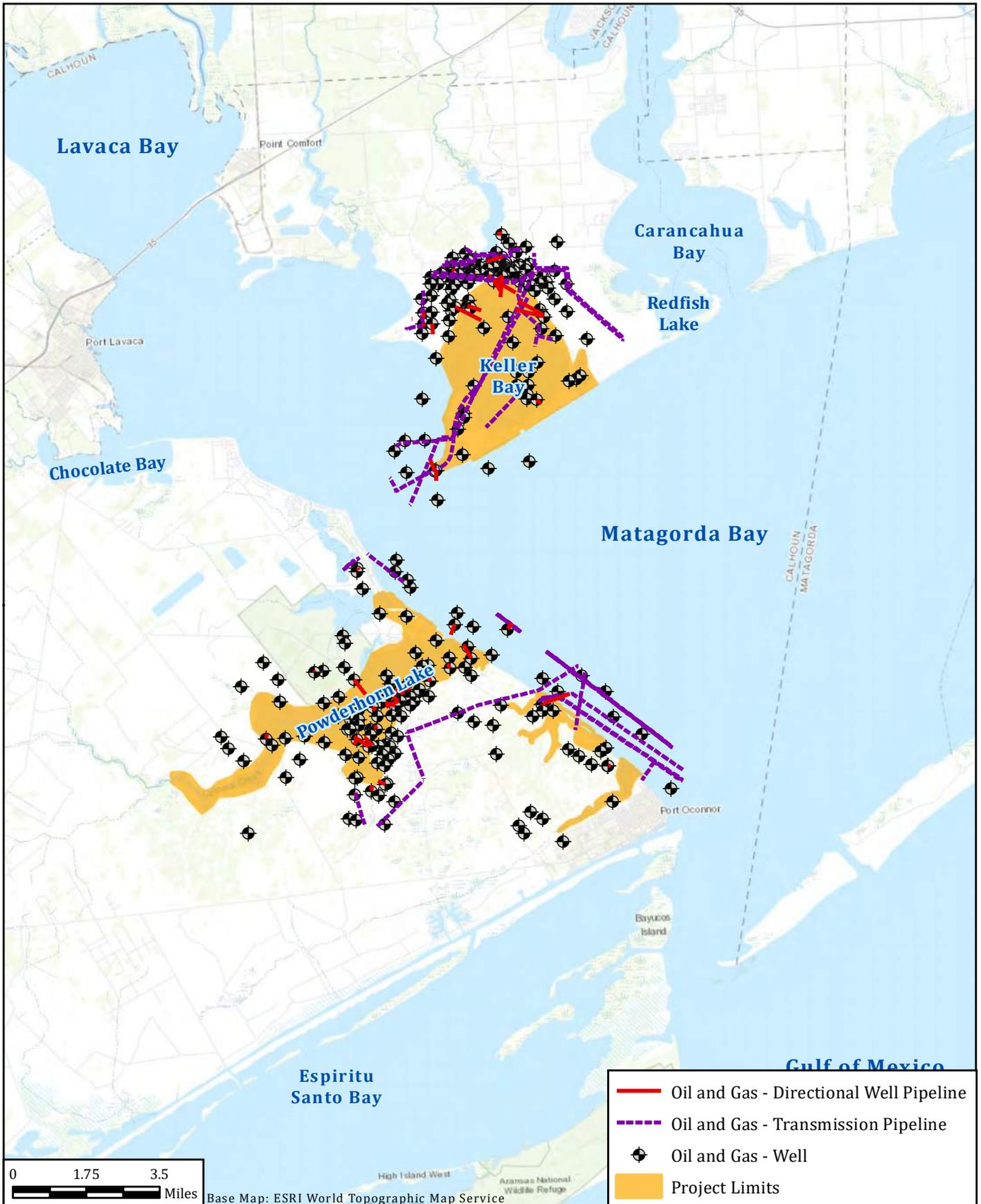


USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY

Energy Impacts - Alternatives 1 and 2 ER

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D
FIGURE



Base Map: ESRI World Topographic Map Service

- Oil and Gas - Directional Well Pipeline
- - - Oil and Gas - Transmission Pipeline
- ◆ Oil and Gas - Well
- Project Limits



**USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY**

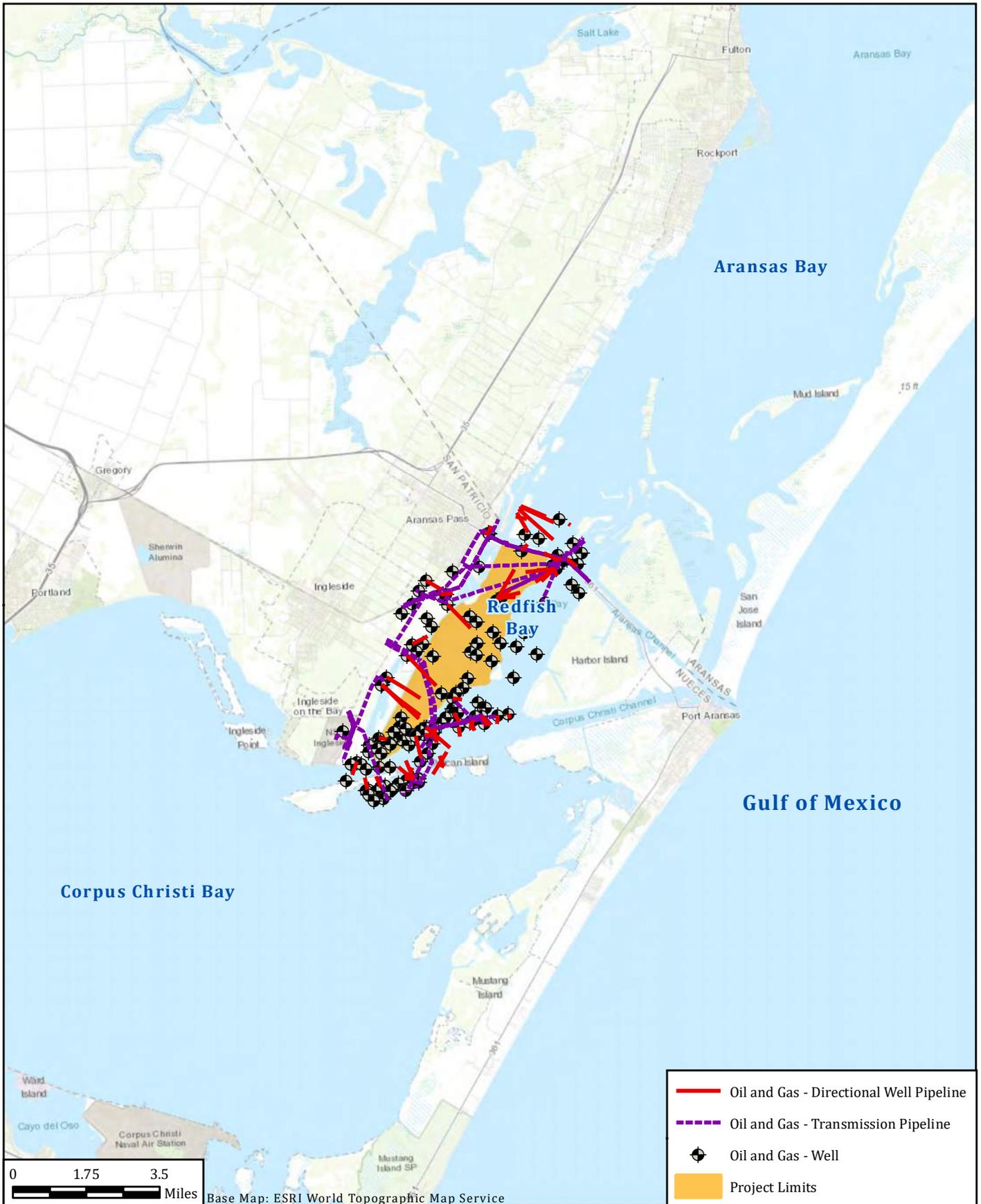
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E

FIGURE

NAD 1983 StatePlane Texas Central FIPS 4203 Feet



Base Map: ESRI World Topographic Map Service



USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY

Energy Impacts - Alternatives 1 and 2 ER

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F

FIGURE



Base Map: ESRI World Topographic Map Service

 Project Limits

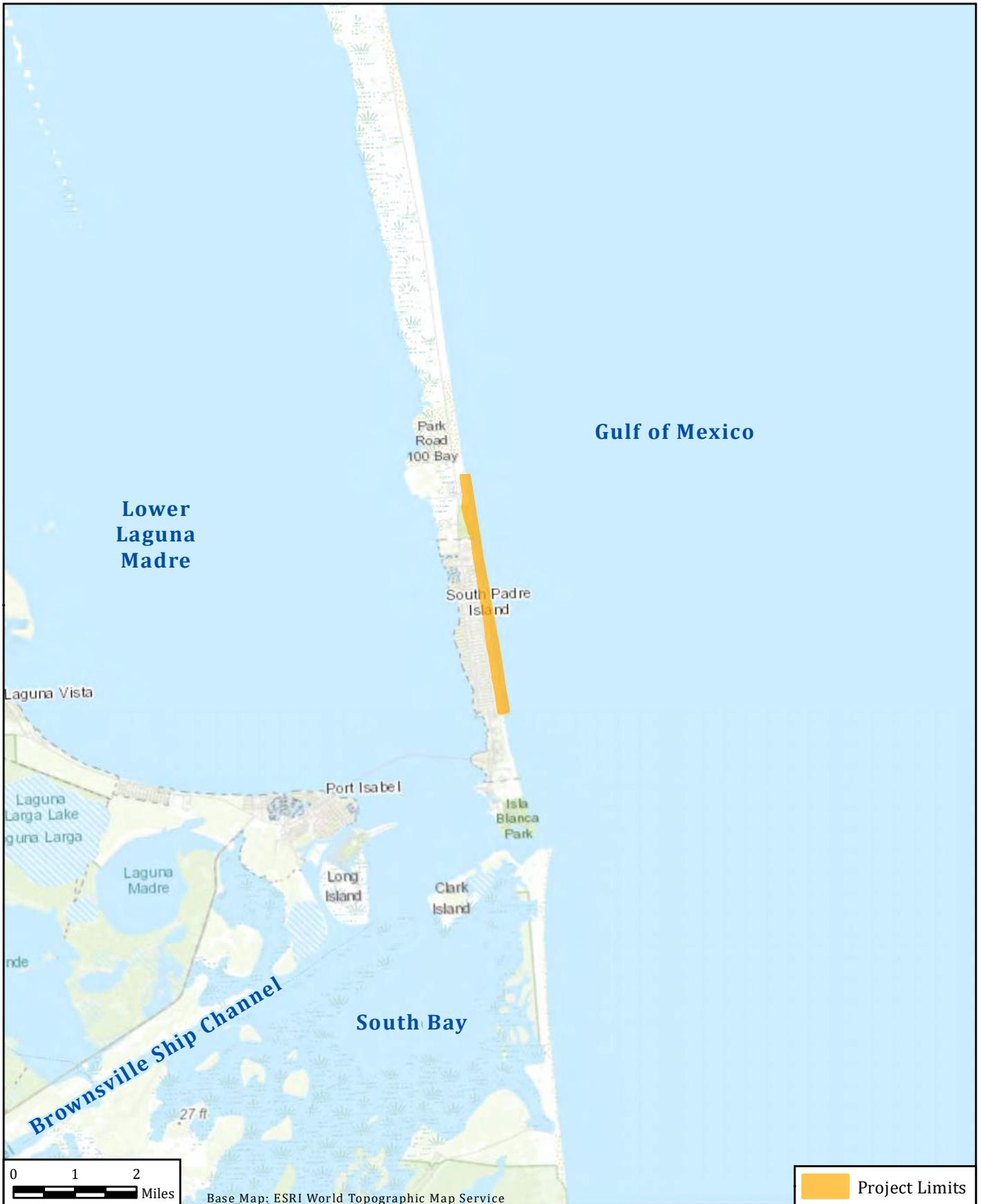


**USACE COASTAL TEXAS
 PROTECTION AND RESTORATION STUDY**
Energy Impacts - Alternatives 1 and 2 ER

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G

FIGURE

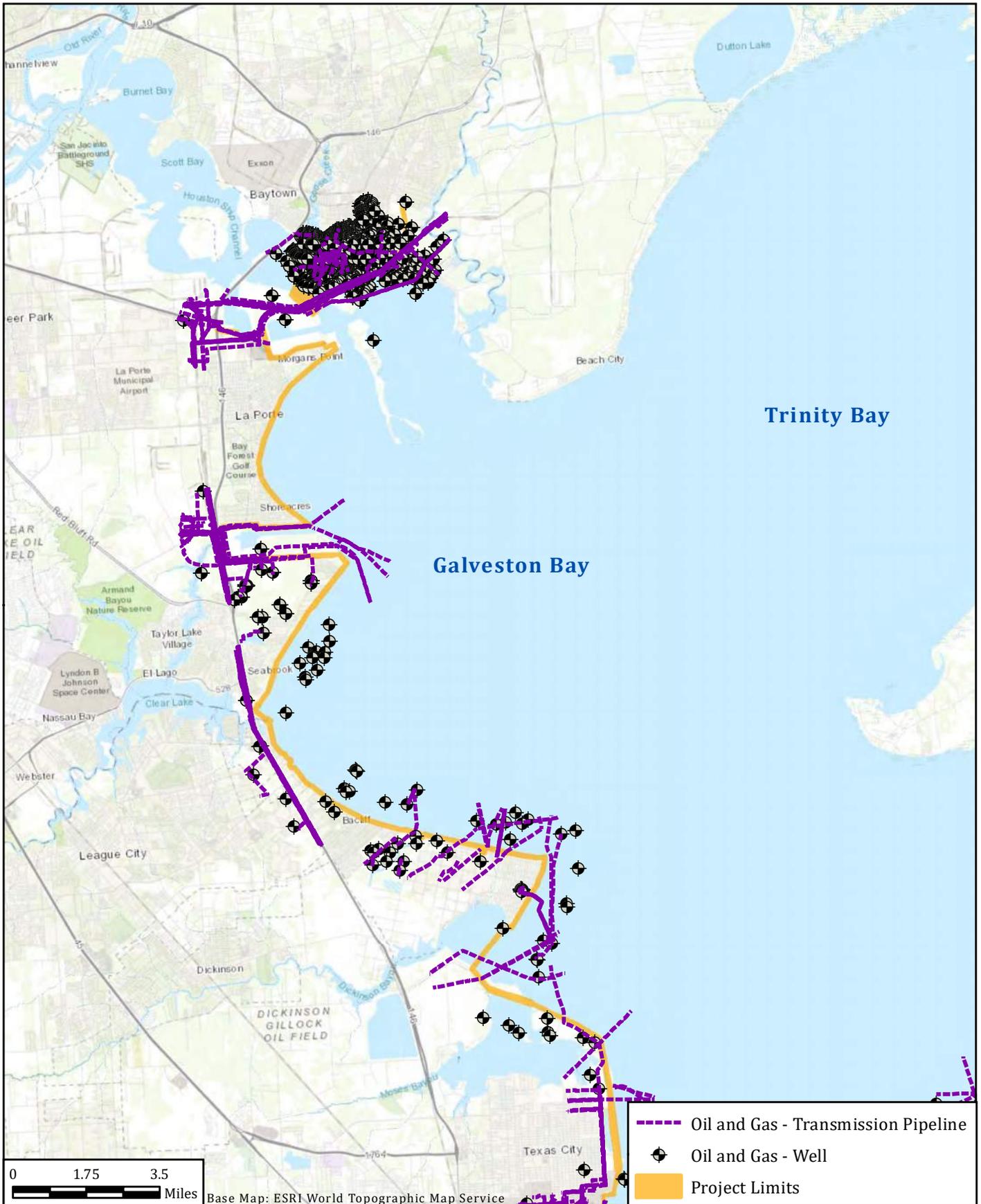


USACE COASTAL TEXAS
 PROTECTION AND RESTORATION STUDY
Energy Impacts - Alternatives 1 and 2
South Padre Island CSRM

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H

FIGURE



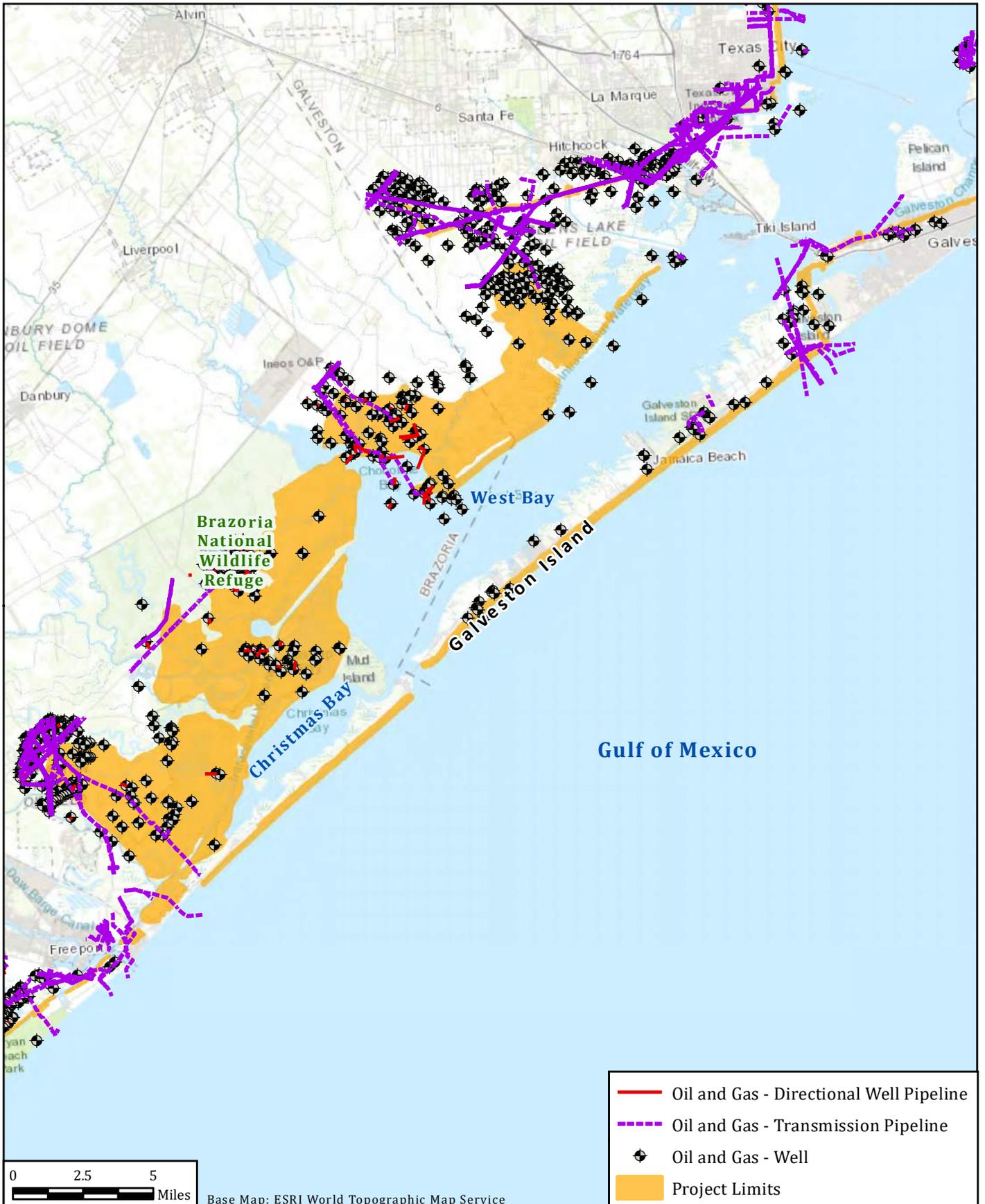
USACE COASTAL TEXAS
 PROTECTION AND RESTORATION STUDY
Energy Impacts - Alternative 1
Upper Bay Barrier CSRM

- - - Oil and Gas - Transmission Pipeline
- ◆ Oil and Gas - Well
- Project Limits

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I
FIGURE

NAD 1983 StatePlane Texas Central FIPS 4203 Feet



- Oil and Gas - Directional Well Pipeline
- - - Oil and Gas - Transmission Pipeline
- ◆ Oil and Gas - Well
- Project Limits



Base Map: ESRI World Topographic Map Service



USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY

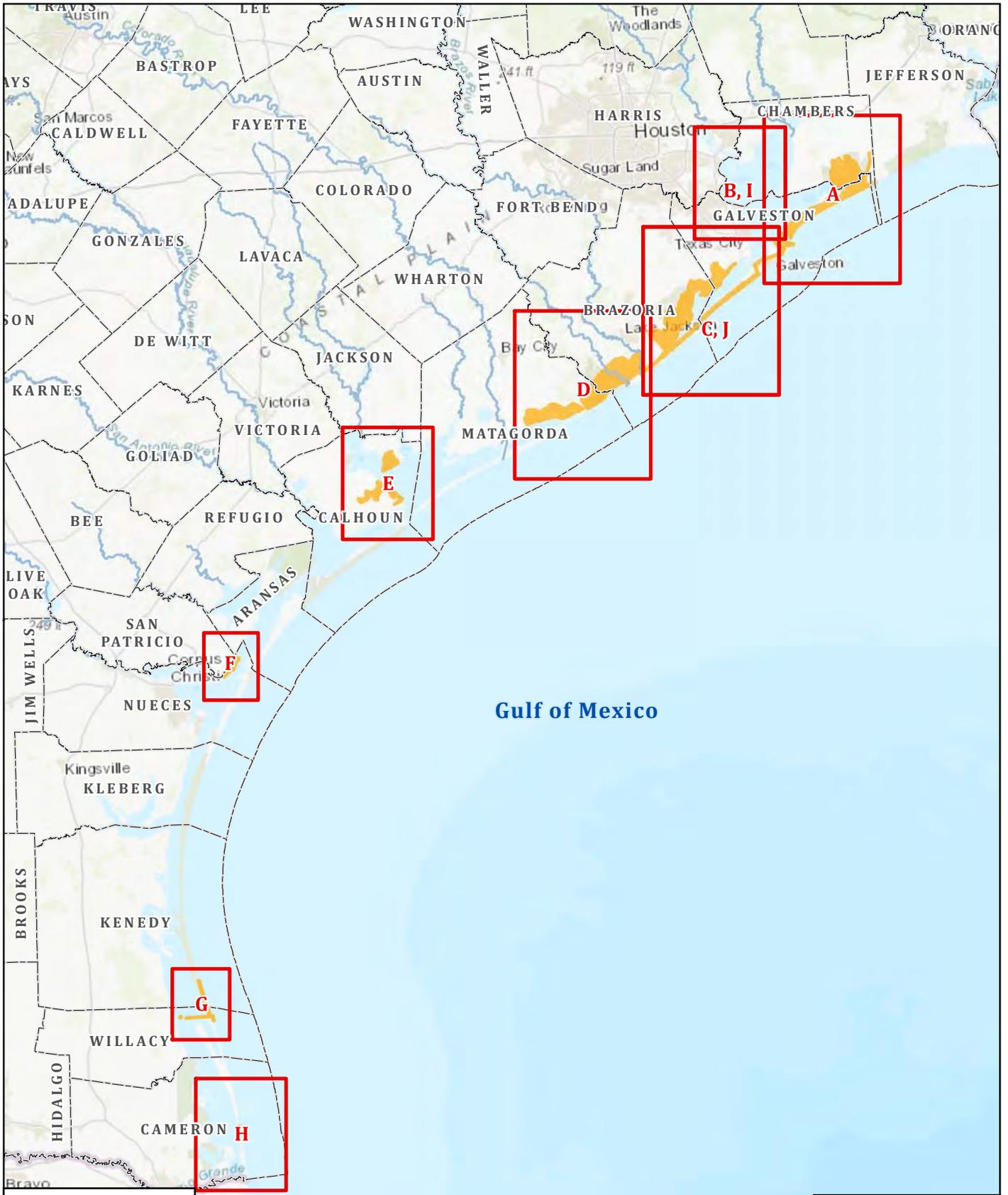
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Upper Bay Barrier CSRM**

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J
FIGURE

Attachment 2

HTRW Alternatives Overview



Base Map: ESRI World Topographic Map Service

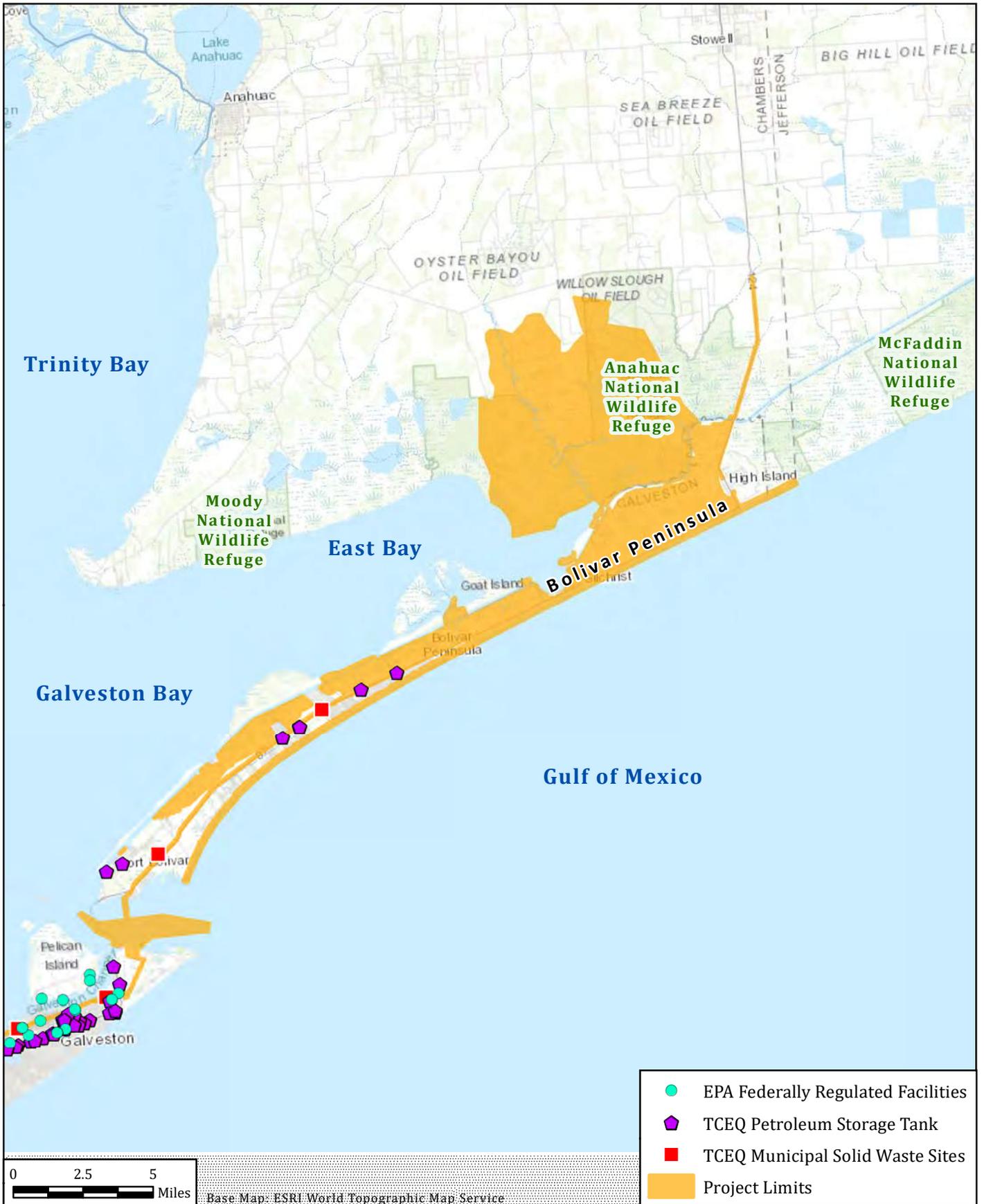
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**USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY**

HTRW Alternatives Overview

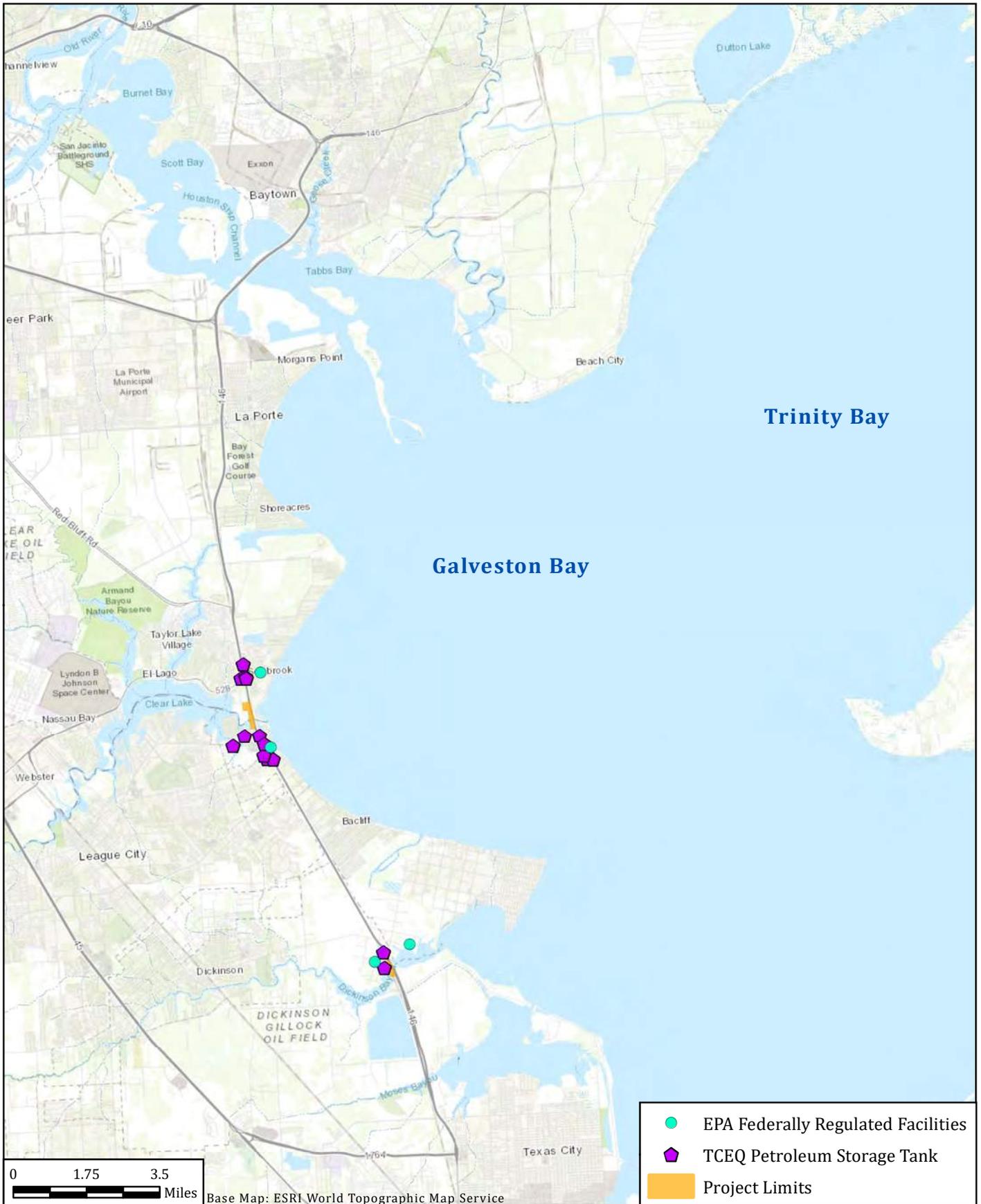
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DRAFTED	SSJ



USACE COASTAL TEXAS
 PROTECTION AND RESTORATION STUDY
HTRW Alternative 1
Coastal Barrier CSRM & ER

FN JOB NO	TGL18185
FILE NAME	A.mxd
DATE	8/10/2018
SCALE	1:300,000
DESIGNED	SSJ
DRAFTED	SSJ

A
FIGURE



Base Map: ESRI World Topographic Map Service

- EPA Federally Regulated Facilities
- ⬠ TCEQ Petroleum Storage Tank
- Project Limits

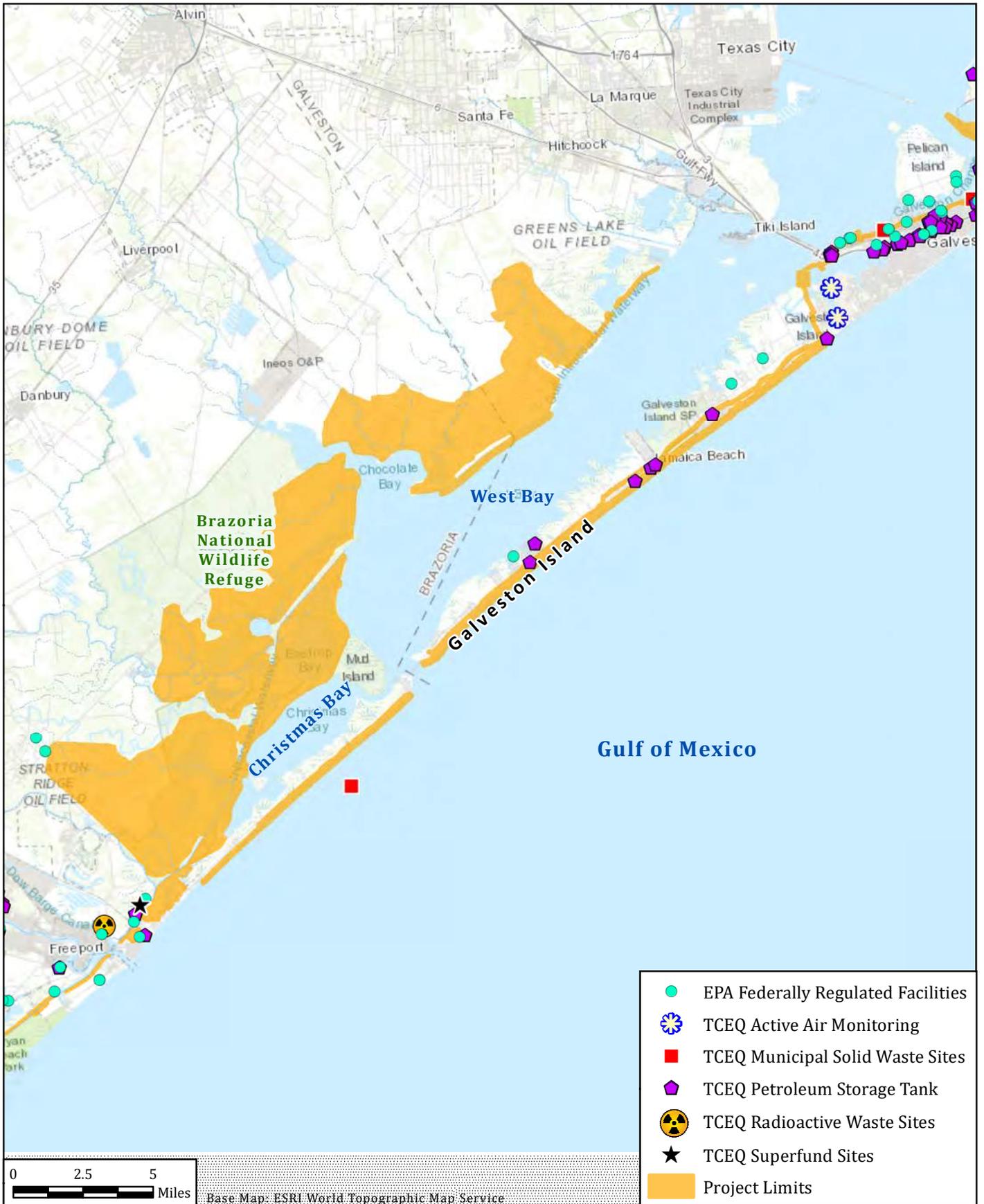


**USACE COASTAL TEXAS
 PROTECTION AND RESTORATION STUDY
 HTRW Alternative 1
 Coastal Barrier CSRM**

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FILE NAME	B.mxd
DATE	8/10/2018
SCALE	1:200,000
DESIGNED	SSJ
DRAFTED	SSJ

B

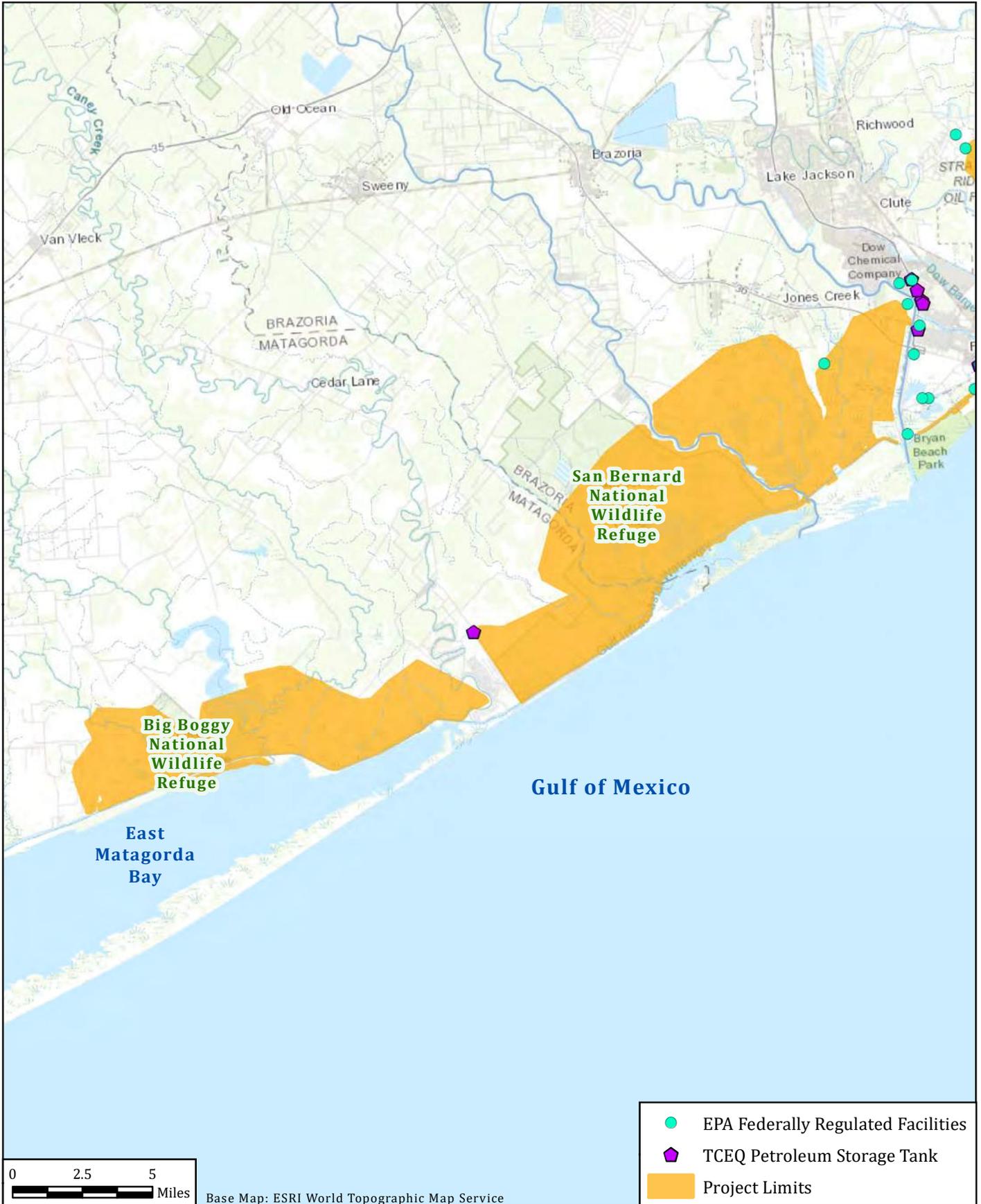
FIGURE



USACE COASTAL TEXAS
 PROTECTION AND RESTORATION STUDY
HTRW Alternative 1
Coastal Barrier CSRM & ER

FN JOB NO	TGL18185
FILE NAME	C.mxd
DATE	8/10/2018
SCALE	1:300,000
DESIGNED	SSJ
DRAFTED	SSJ

C
FIGURE



- EPA Federally Regulated Facilities
- ⬠ TCEQ Petroleum Storage Tank
- Project Limits



Base Map: ESRI World Topographic Map Service

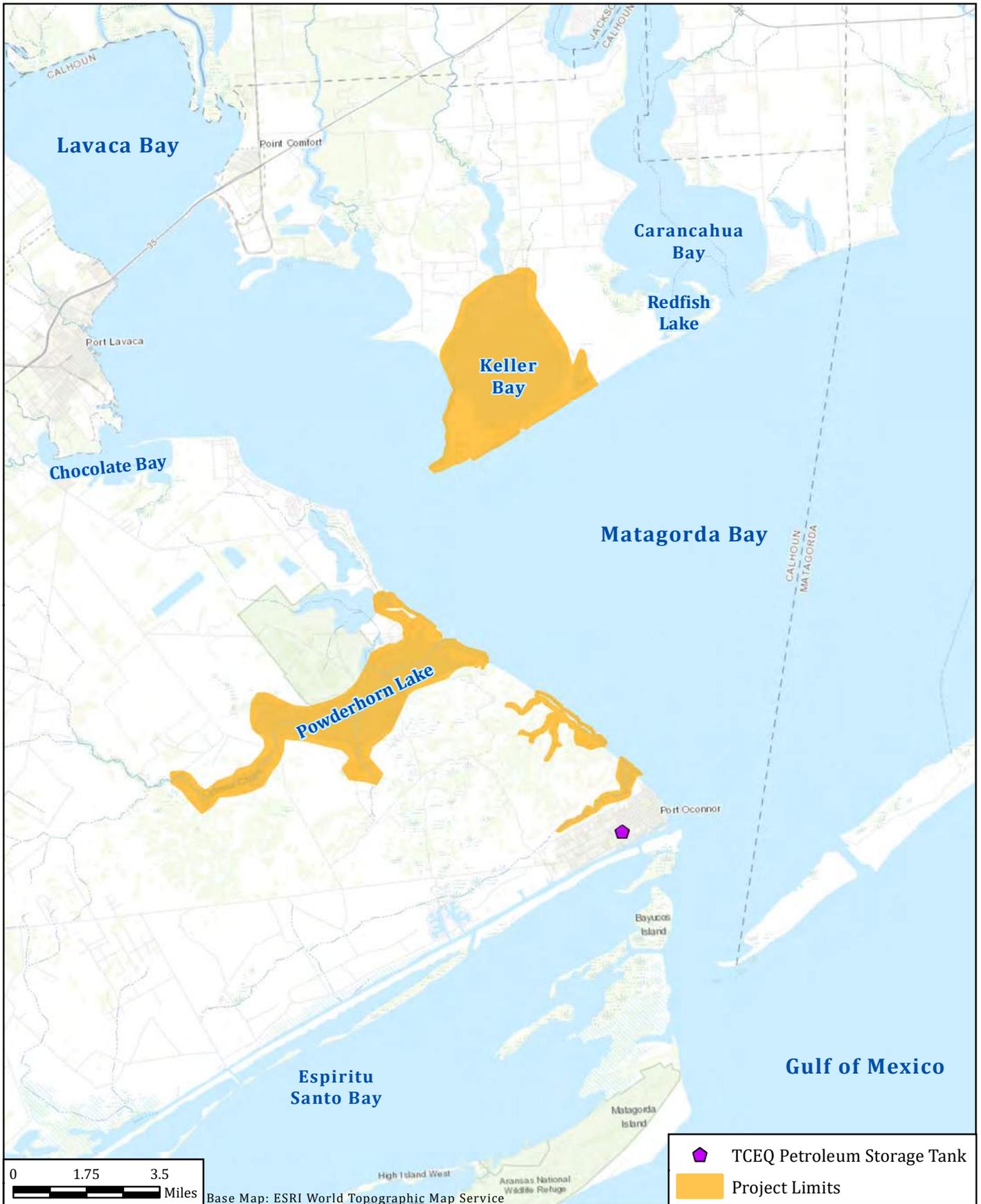


**USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY**

HTRW Alternatives 1 and 2 ER

FN JOB NO	TGL18185
FILE NAME	D.mxd
DATE	8/10/2018
SCALE	1:300,000
DESIGNED	SSJ
DRAFTED	SSJ

D
FIGURE



- TCEQ Petroleum Storage Tank
- Project Limits

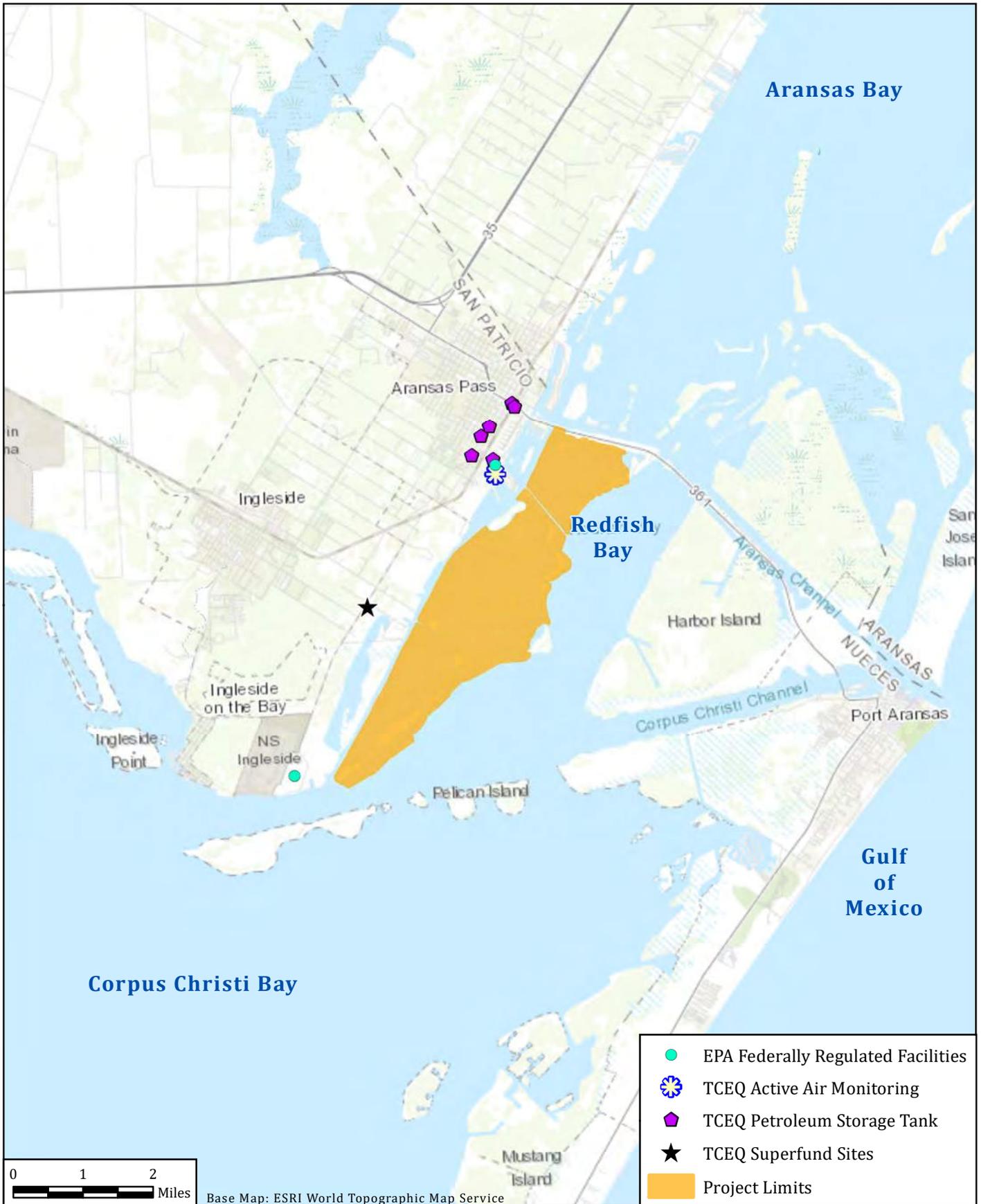


**USACE COASTAL TEXAS
 PROTECTION AND RESTORATION STUDY**
HTRW Alternatives 1 and 2 ER

FN JOB NO	TGL18185
FILE NAME	E.mxd
DATE	8/10/2018
SCALE	1:200,000
DESIGNED	SSJ
DRAFTED	SSJ

E

FIGURE



USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY

HTRW Alternatives 1 and 2 ER

- EPA Federally Regulated Facilities
- ★ TCEQ Active Air Monitoring
- ◆ TCEQ Petroleum Storage Tank
- ★ TCEQ Superfund Sites
- Project Limits

FN JOB NO	TGL18185
FILE NAME	F.mxd
DATE	8/10/2018
SCALE	1:120,000
DESIGNED	SSJ
DRAFTED	SSJ

F
FIGURE



Base Map: ESRI World Topographic Map Service

 Project Limits

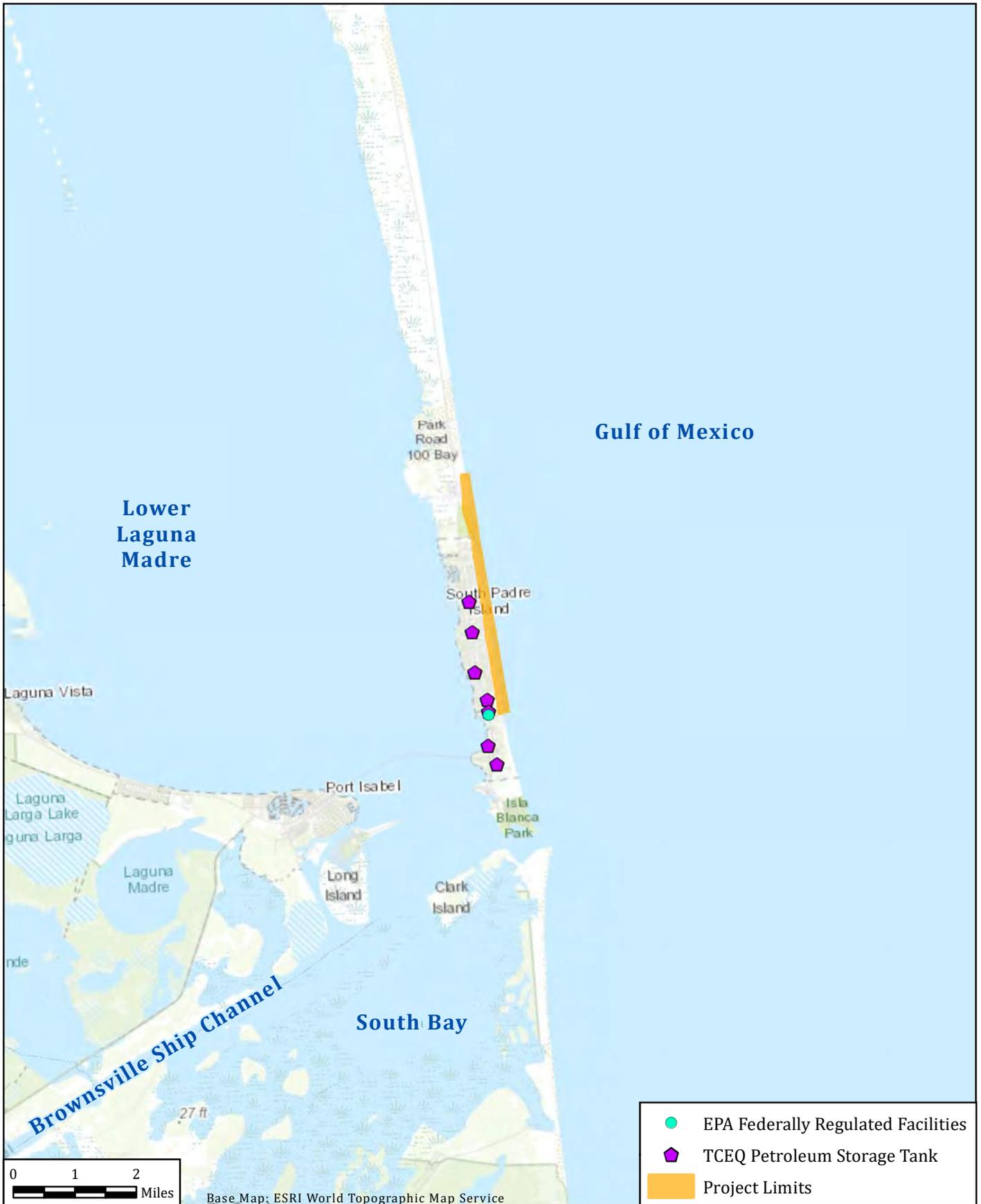


USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY

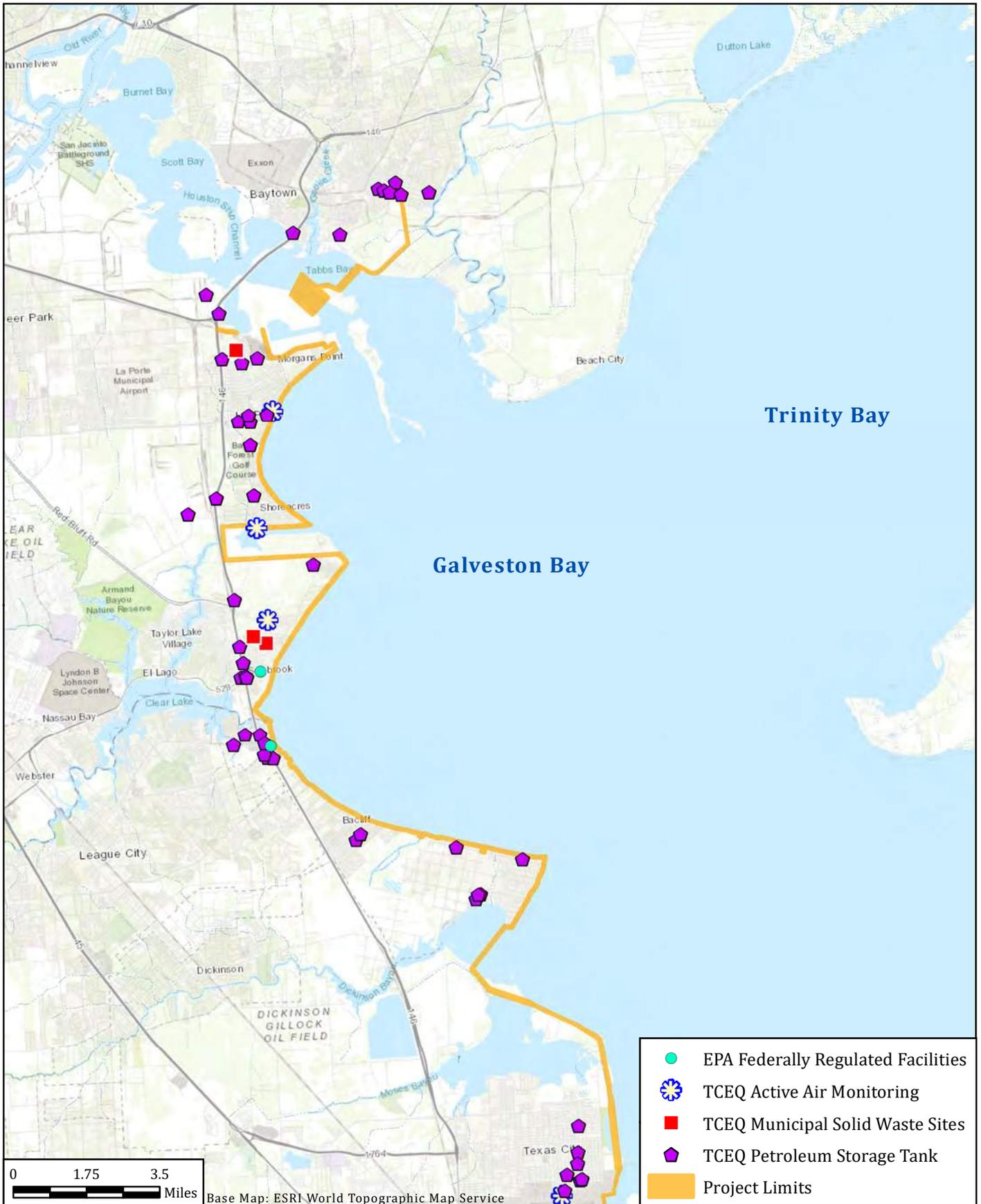
HTRW Alternatives 1 and 2 ER

FN JOB NO	TGL18185
FILE NAME	G.mxd
DATE	8/10/2018
SCALE	1:127,000
DESIGNED	SSJ
DRAFTED	SSJ

G
FIGURE



	USACE COASTAL TEXAS PROTECTION AND RESTORATION STUDY		H FIGURE												
	HTRW Alternatives 1 and 2 South Padre Island CSRM														
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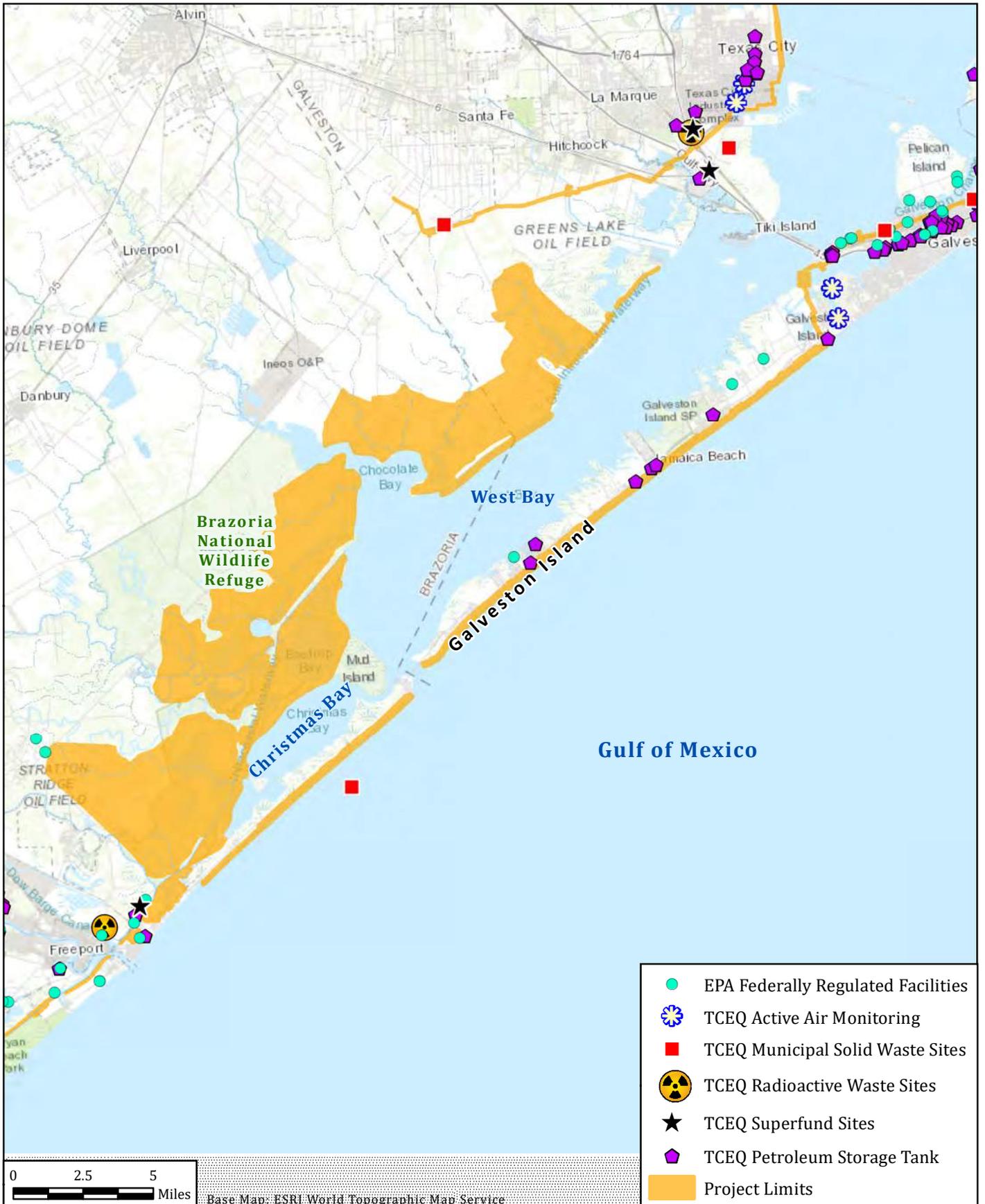


USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY

**HTRW Alternative 2
Upper Bay Barrier CSRM**

FN JOB NO	TGL18185
FILE NAME	1.mxd
DATE	8/10/2018
SCALE	1:200,000
DESIGNED	SSJ
DRAFTED	SSJ

I
FIGURE



- EPA Federally Regulated Facilities
- ★ TCEQ Active Air Monitoring
- TCEQ Municipal Solid Waste Sites
- ☠ TCEQ Radioactive Waste Sites
- ★ TCEQ Superfund Sites
- ⬠ TCEQ Petroleum Storage Tank
- Project Limits



Base Map: ESRI World Topographic Map Service



USACE COASTAL TEXAS
PROTECTION AND RESTORATION STUDY

**HTRW Alternative 2
Upper Bay Barrier CSRM**

FN JOB NO	TGL18185
FILE NAME	J.mxd
DATE	8/10/2018
SCALE	1:300,000
DESIGNED	SSJ
DRAFTED	SSJ

J
FIGURE