US EPA ARCHIVE DOCUMENT

APPENDIX B

SOILS TRAVERSED BY THE OXYCHEM MARKHAM PIPELINE CORRIDOR, SAN PATRICIO PIPELINE CORRIDOR, AND ETHANE CRACKER PROJECT

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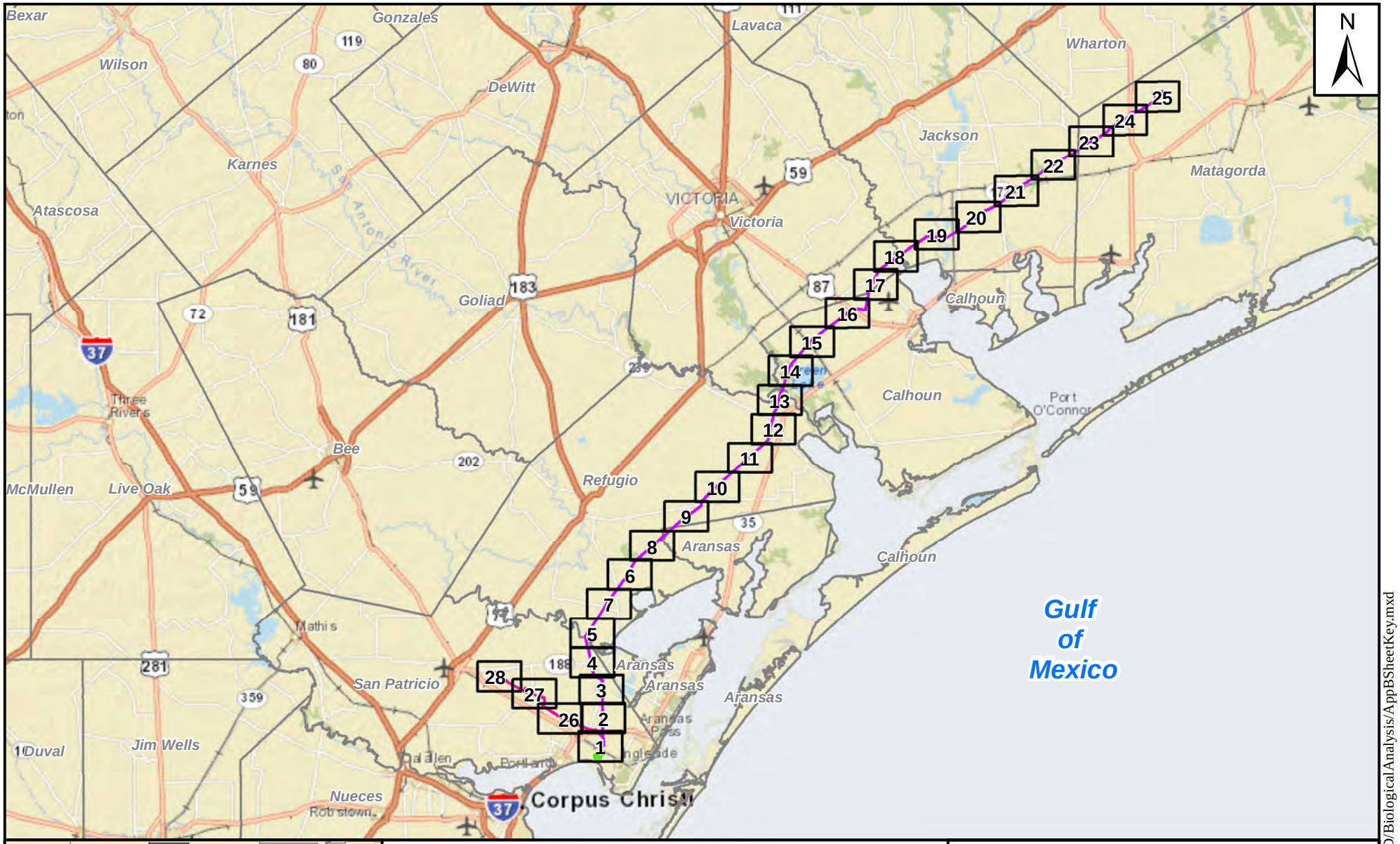

Source: World Street Map and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services

LEGEND

- Sheet Boundary
- Markham Pipeline
- County Boundary
- Ethane Cracker
- San Patricio Pipeline

0 10 20 30 40 50 Miles

Scale = 1:1,000,000

Sheet 1 of 1

Appendix B Sheet Key. Soils Traversed by the Oxychem Markham Pipeline Corridor, San Patricio Pipeline Corridor, and Ethane Cracker Project.

Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/AppBSheetKey.mxd

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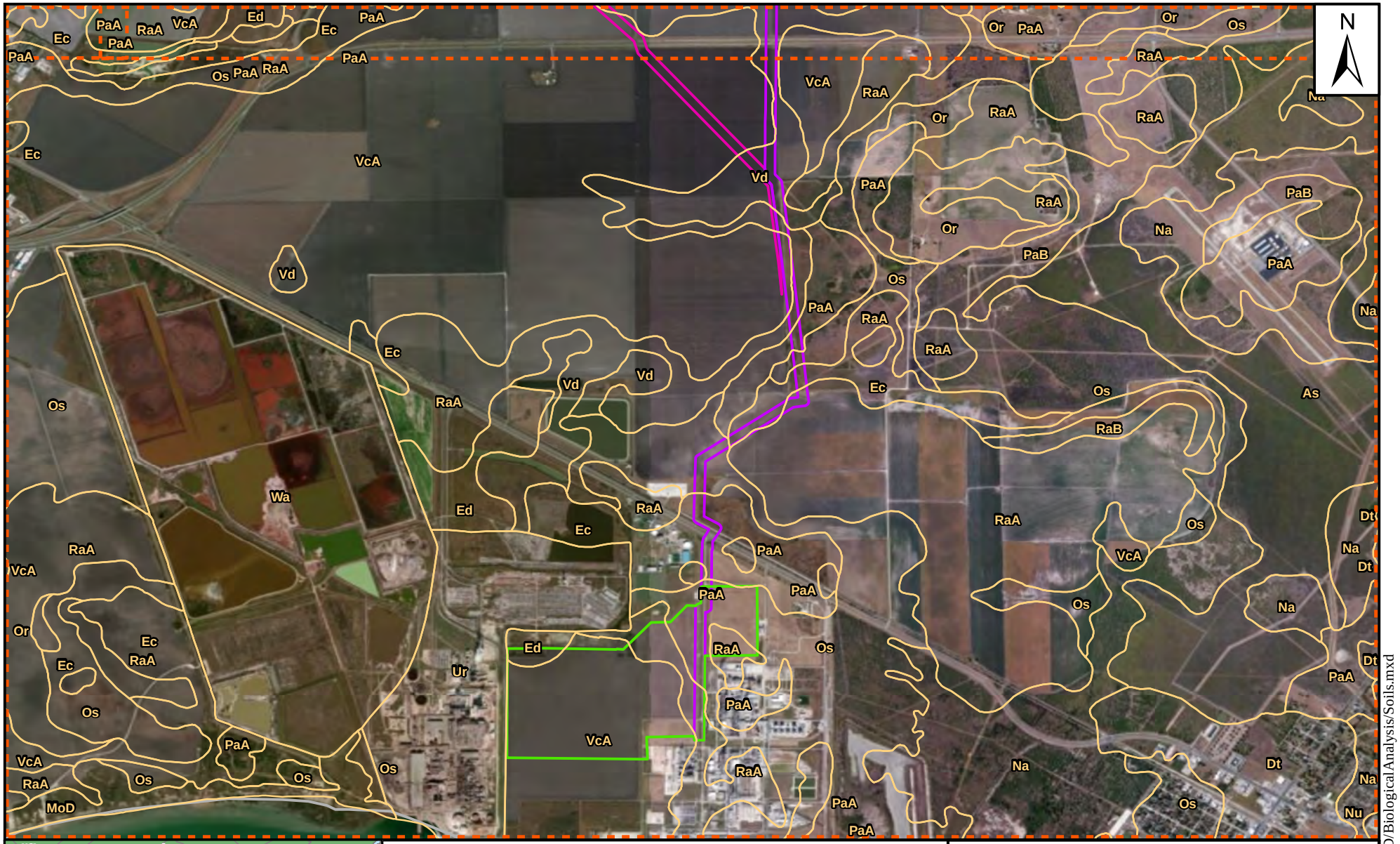
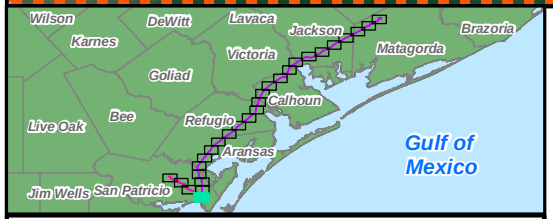




Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 1 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

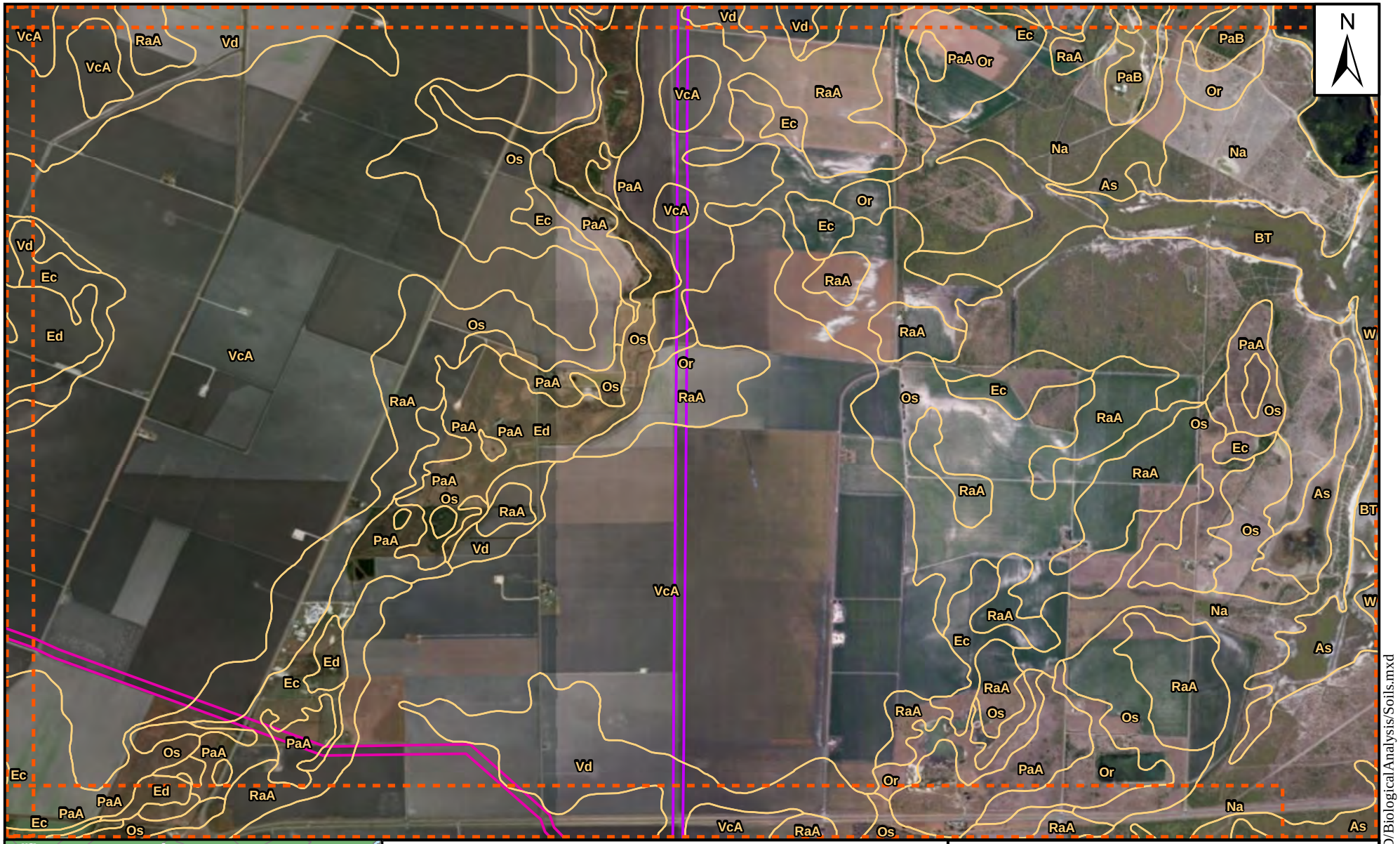
Prepared For: Occidental Chemical Corporation

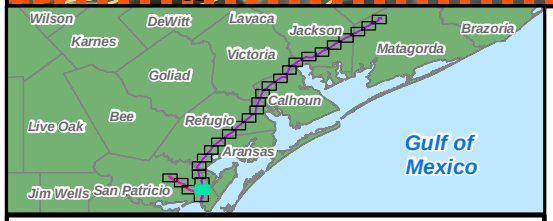
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 2 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT

Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 3 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT

Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 4 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT

Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 5 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

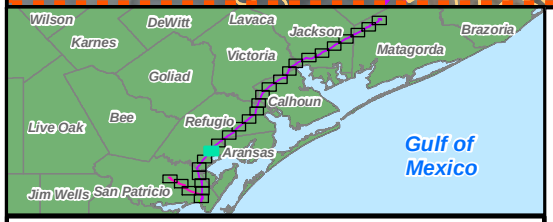
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 6 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

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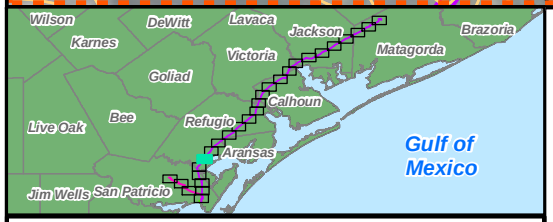

Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 7 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

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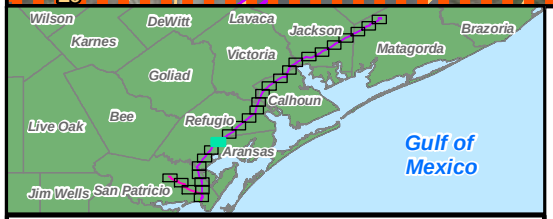


Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 8 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

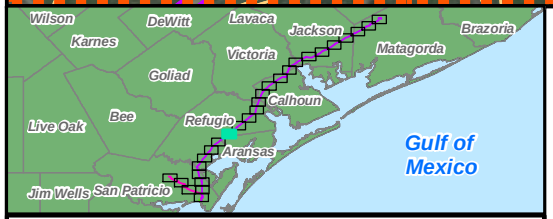
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 9 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

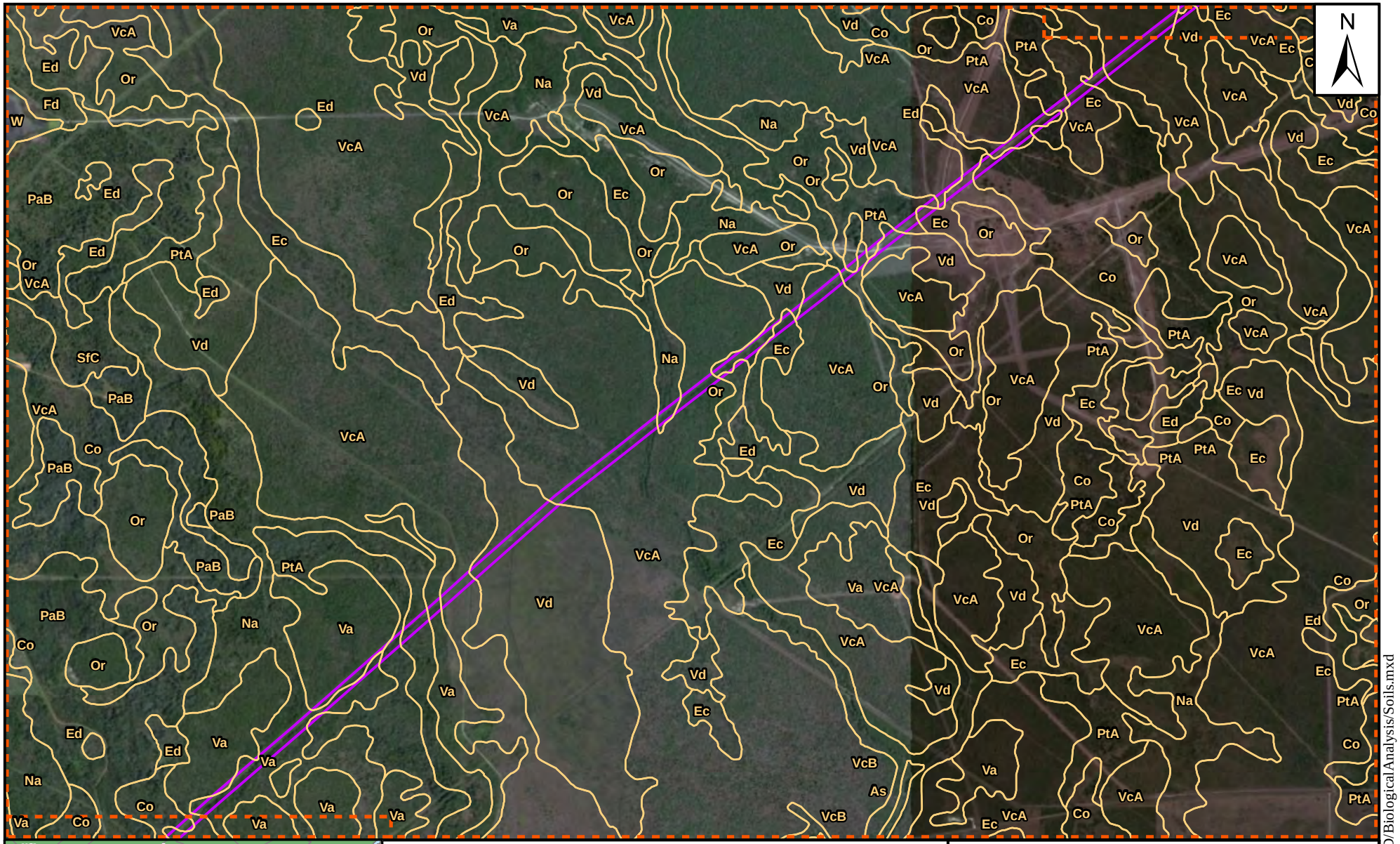
Prepared For: Occidental Chemical Corporation

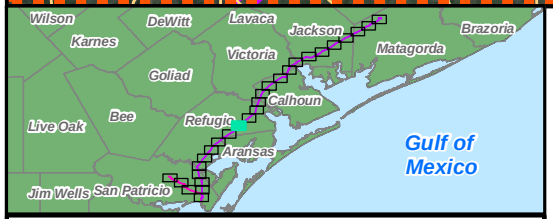
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 10 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

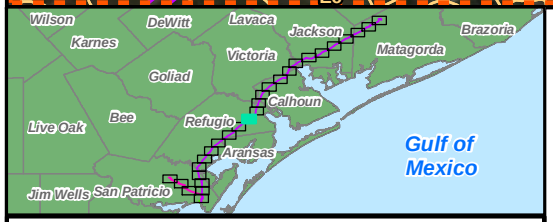
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 11 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

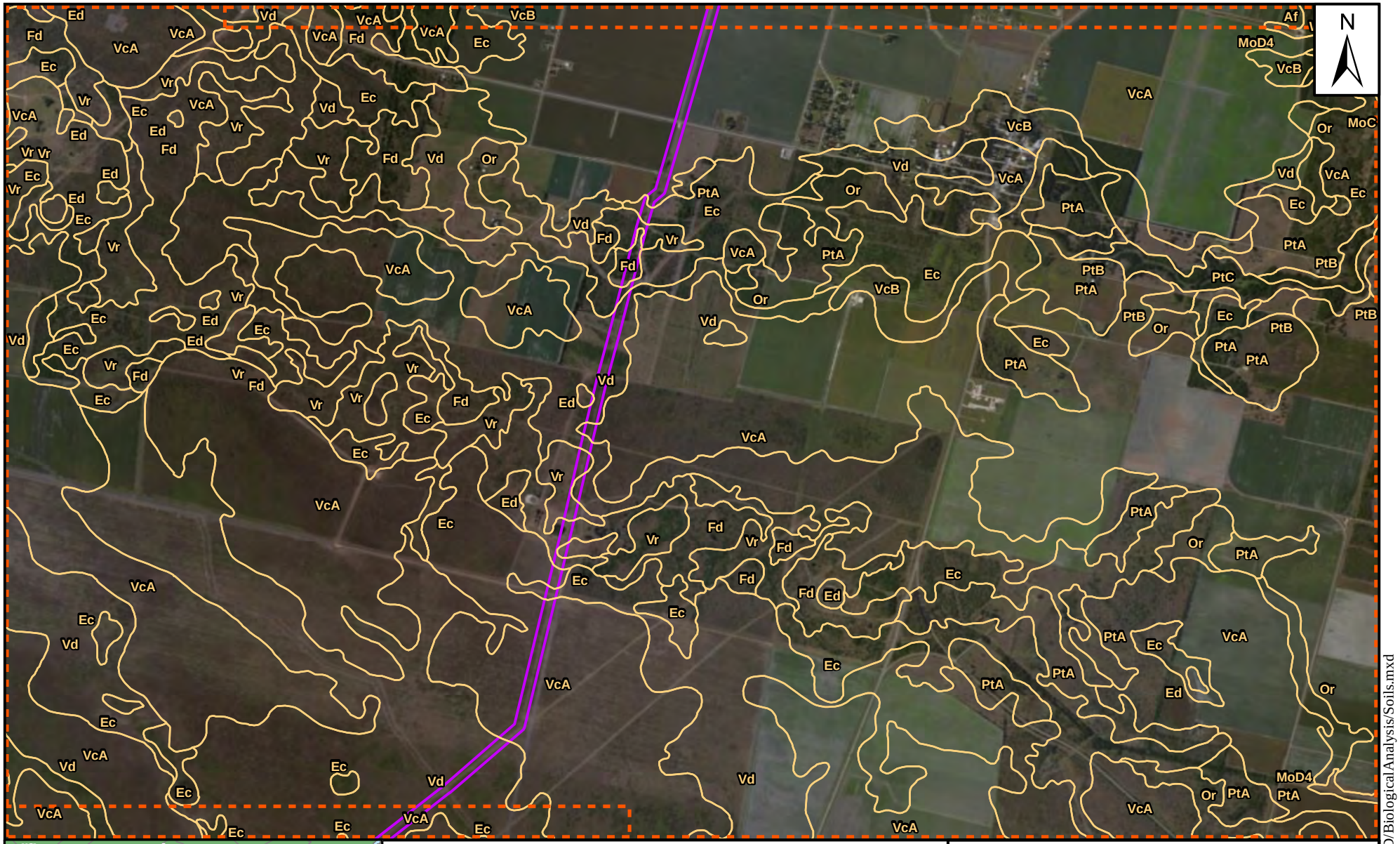
Prepared For: Occidental Chemical Corporation

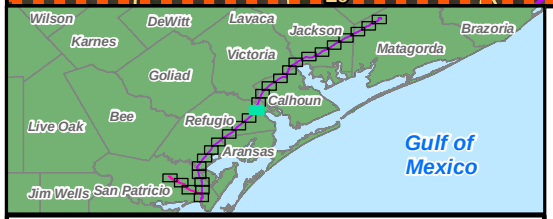
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 12 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

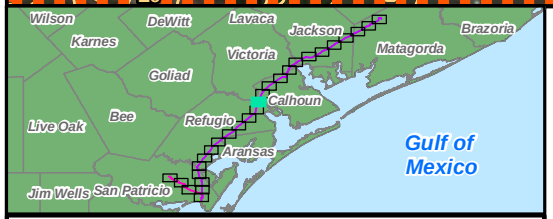
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 13 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

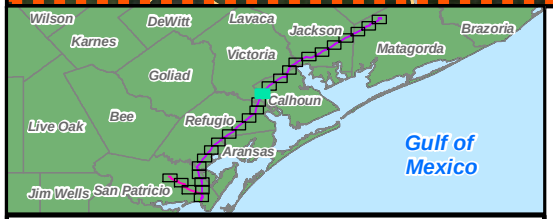
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 14 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

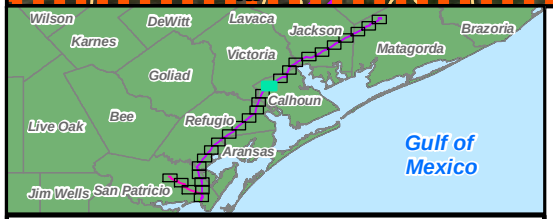
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 15 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

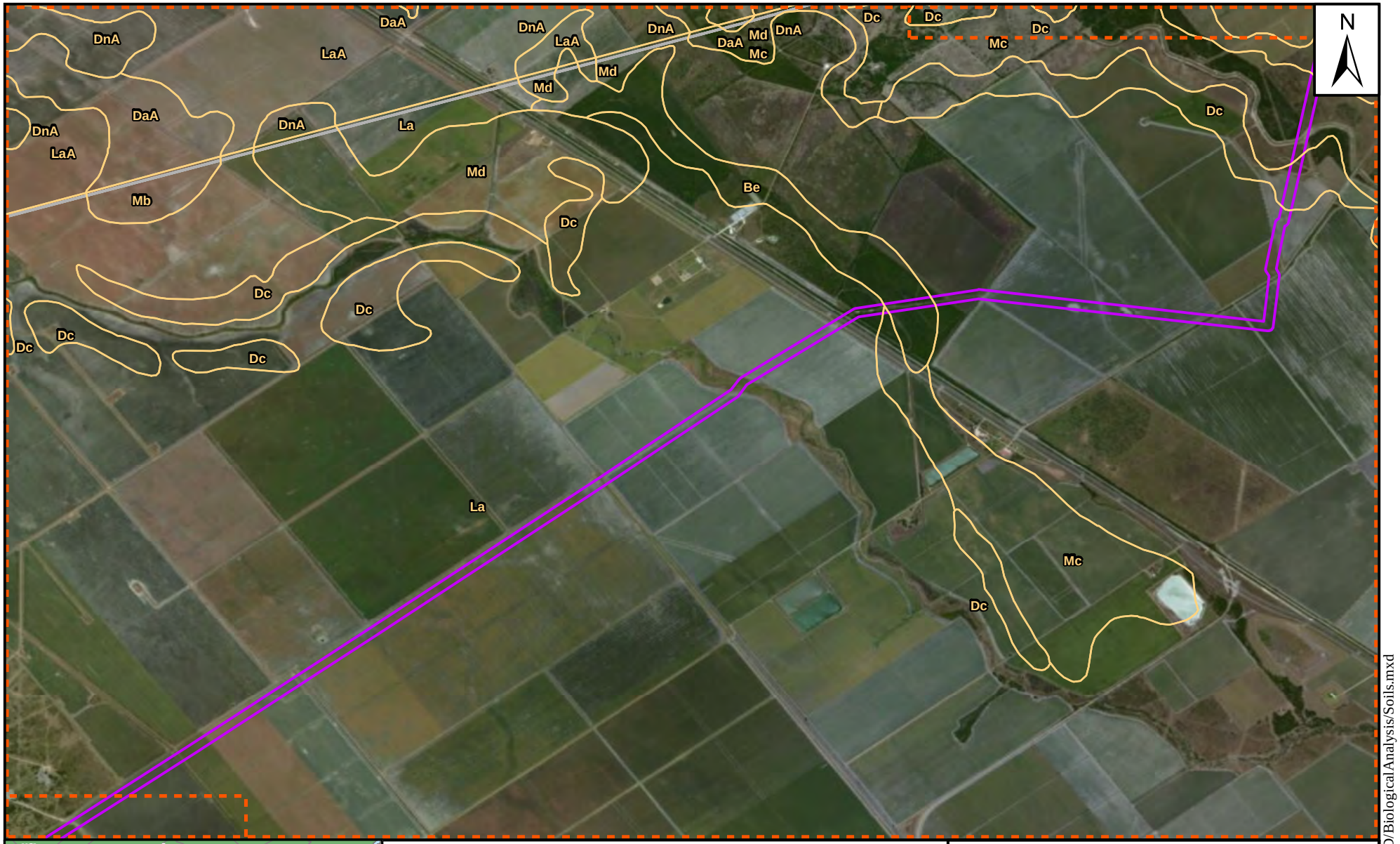
Prepared For: Occidental Chemical Corporation

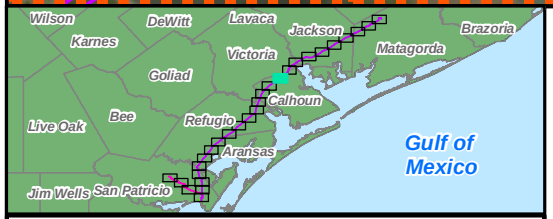
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 16 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

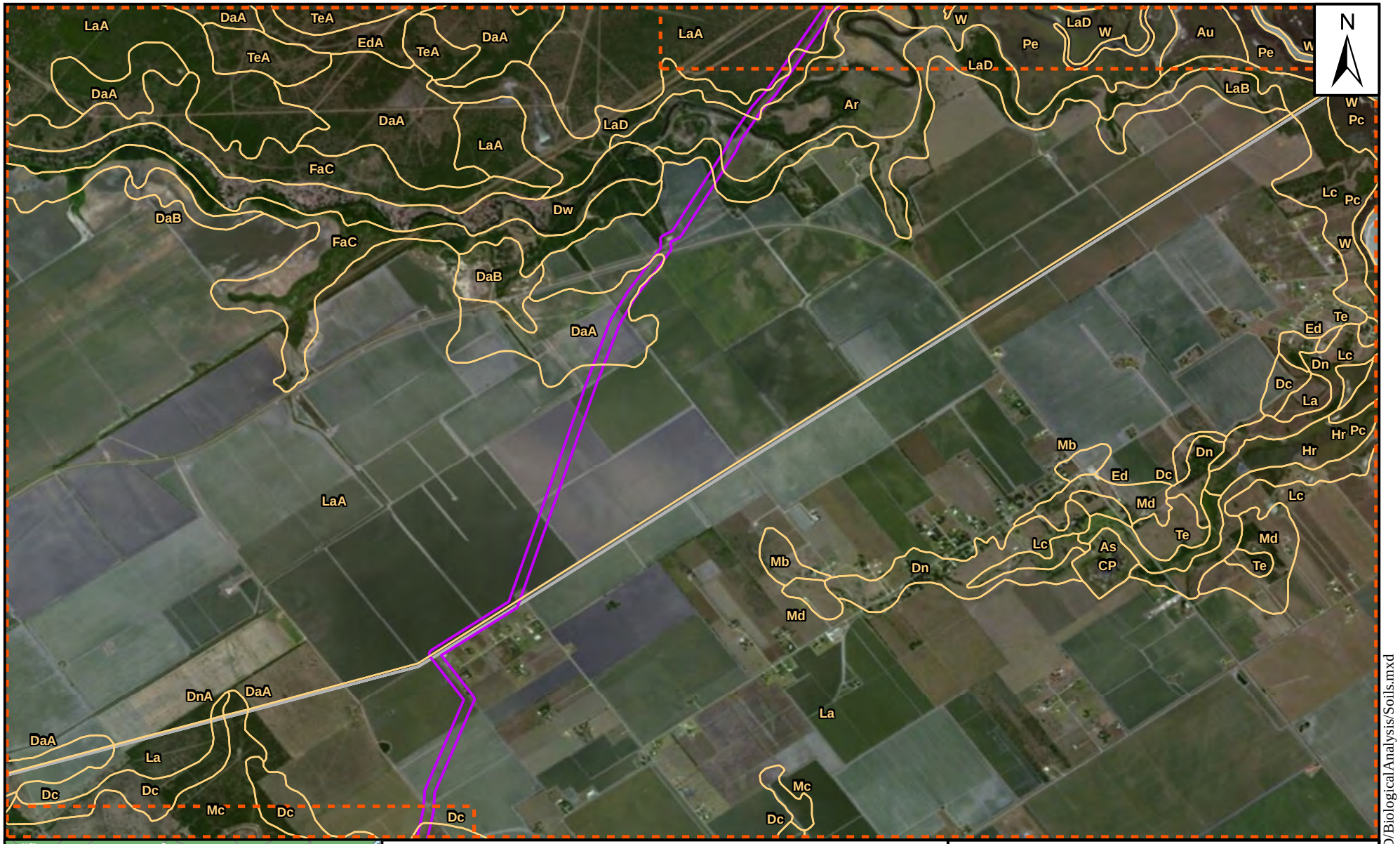
Prepared For: Occidental Chemical Corporation

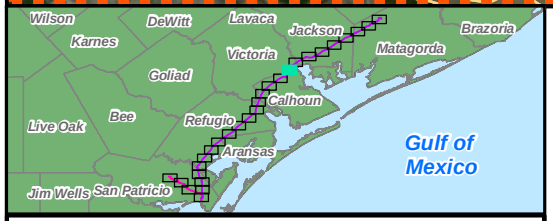
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 17 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

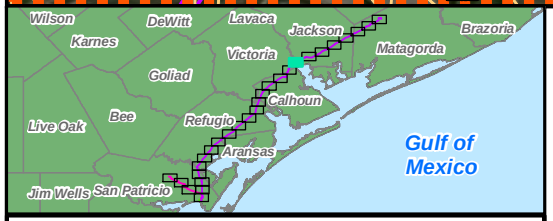
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 18 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

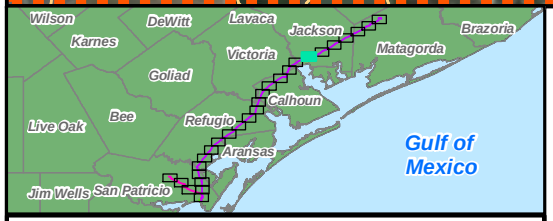
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 19 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

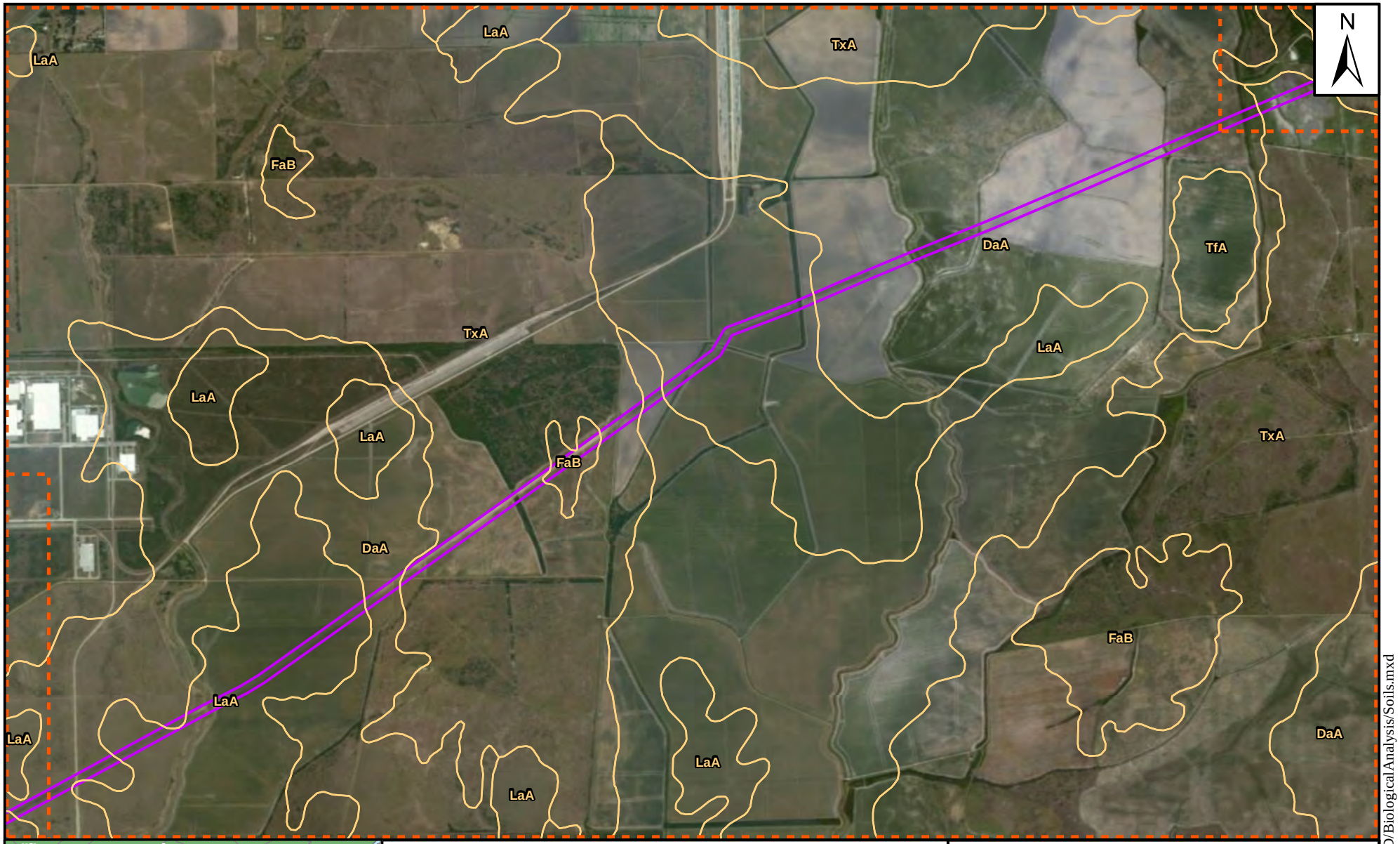
Prepared For: Occidental Chemical Corporation

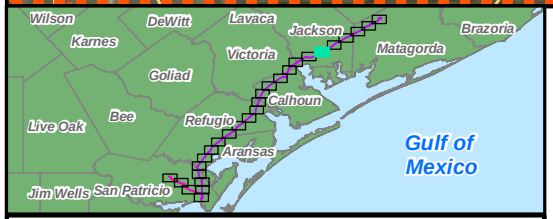
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 20 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

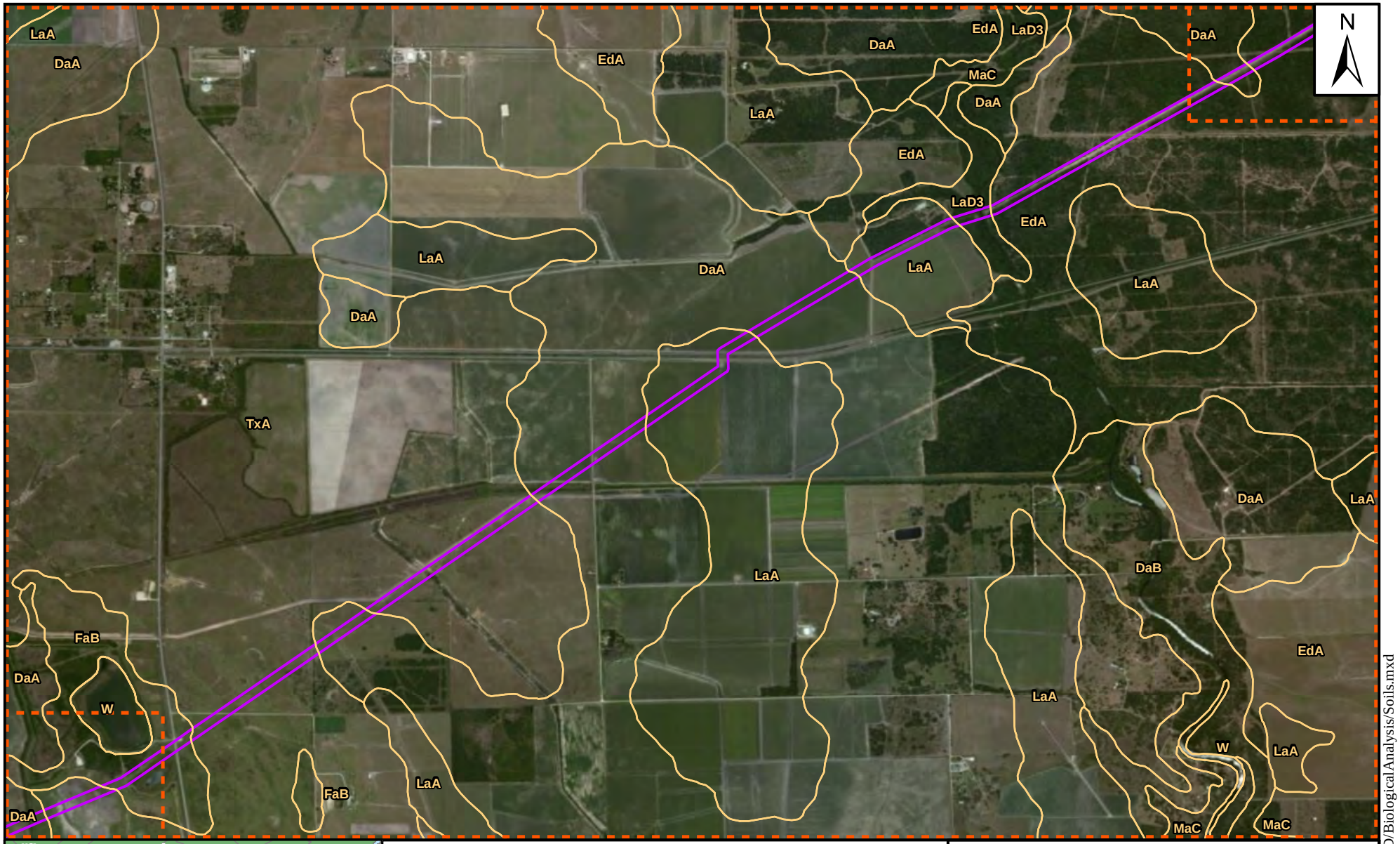
Prepared For: Occidental Chemical Corporation

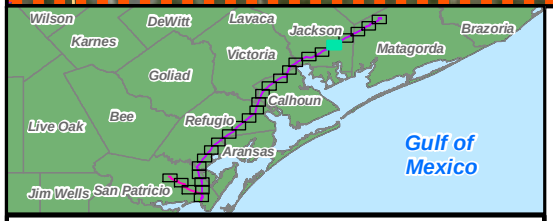
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

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Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

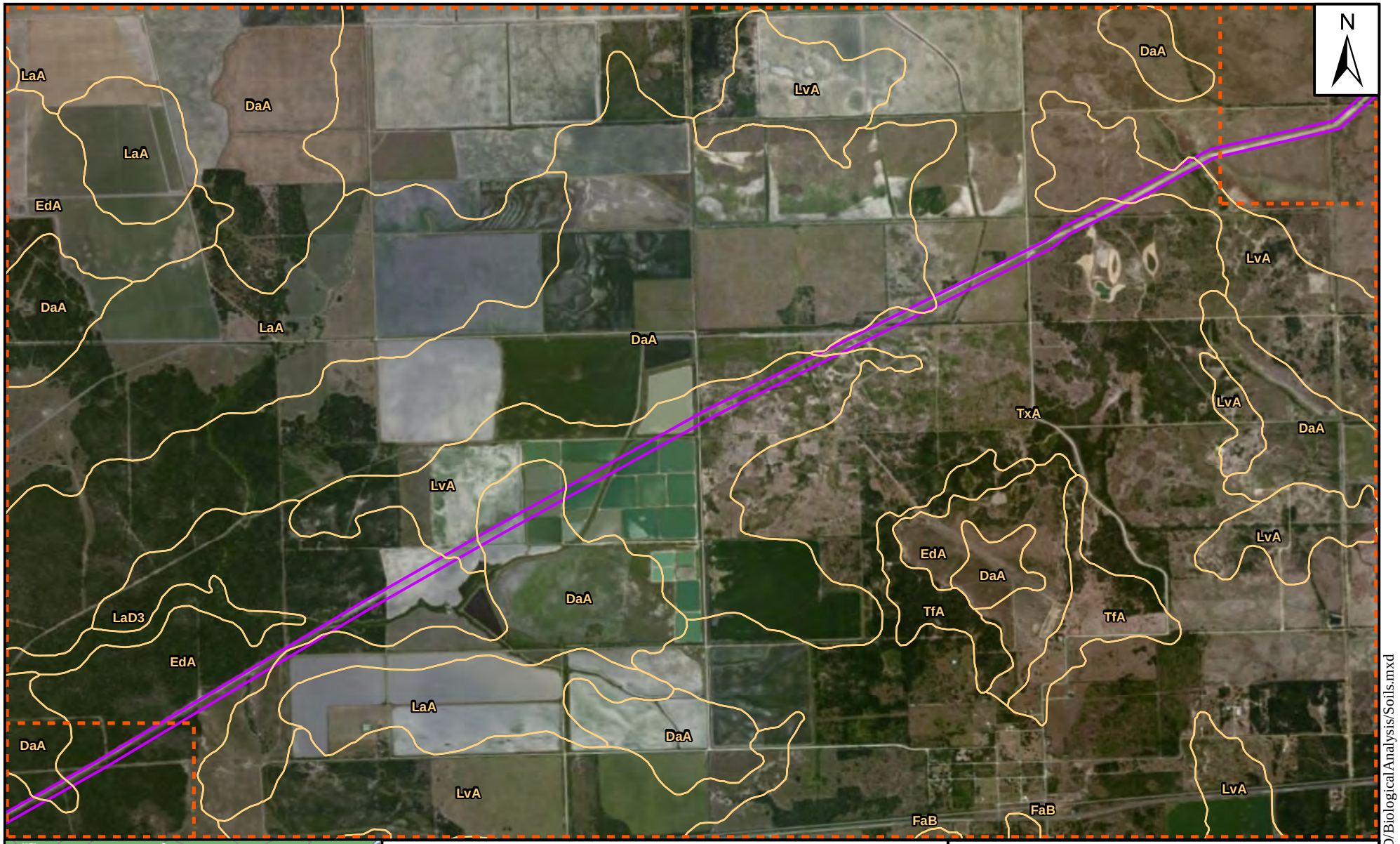
Prepared For: Occidental Chemical Corporation

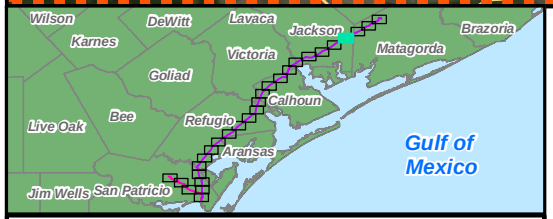
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

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Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

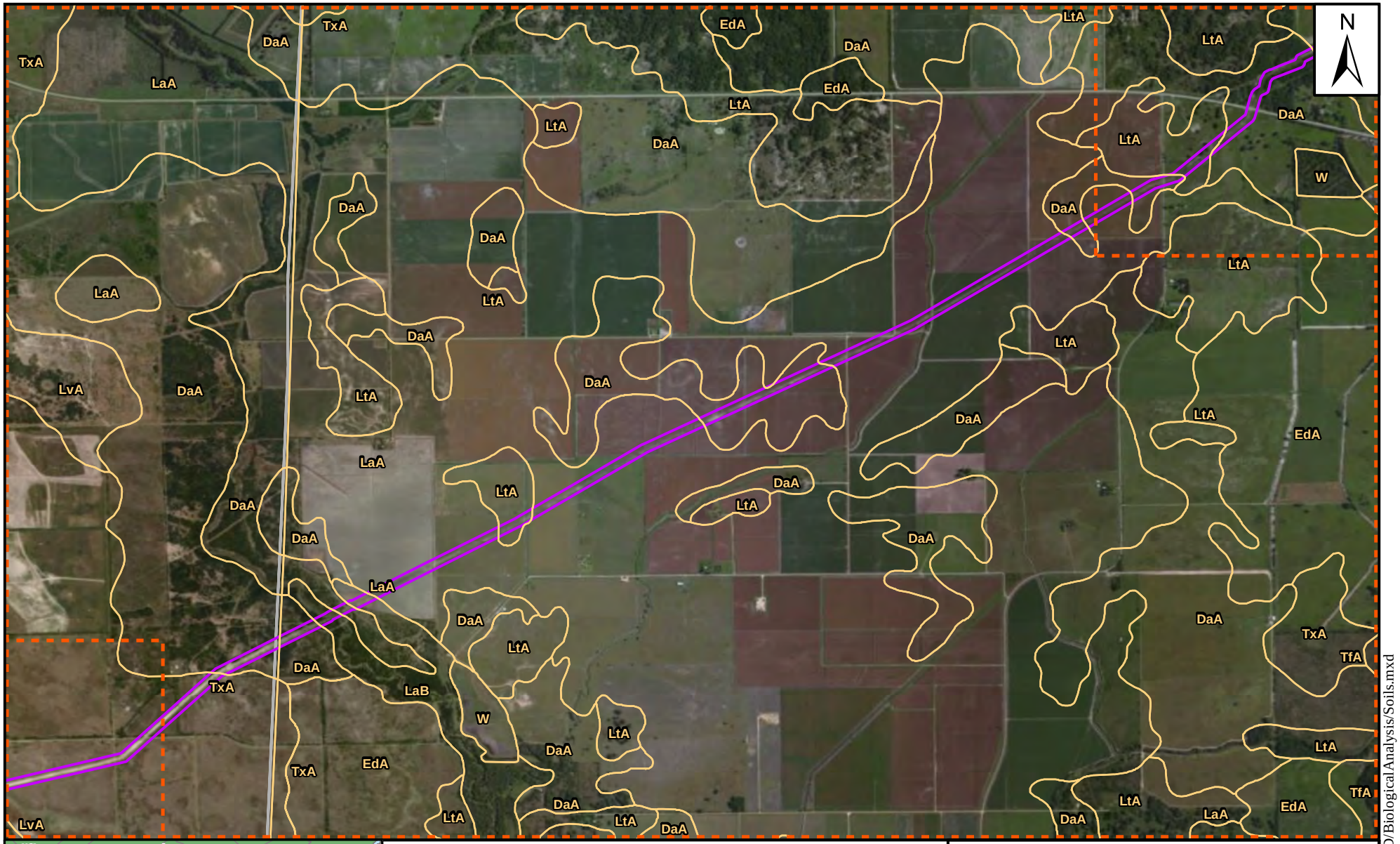
Prepared For: Occidental Chemical Corporation

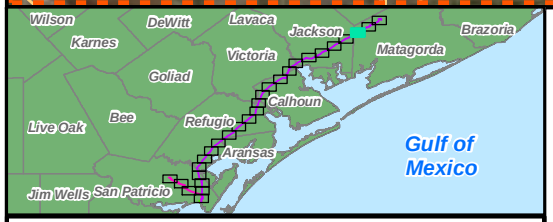
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

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Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

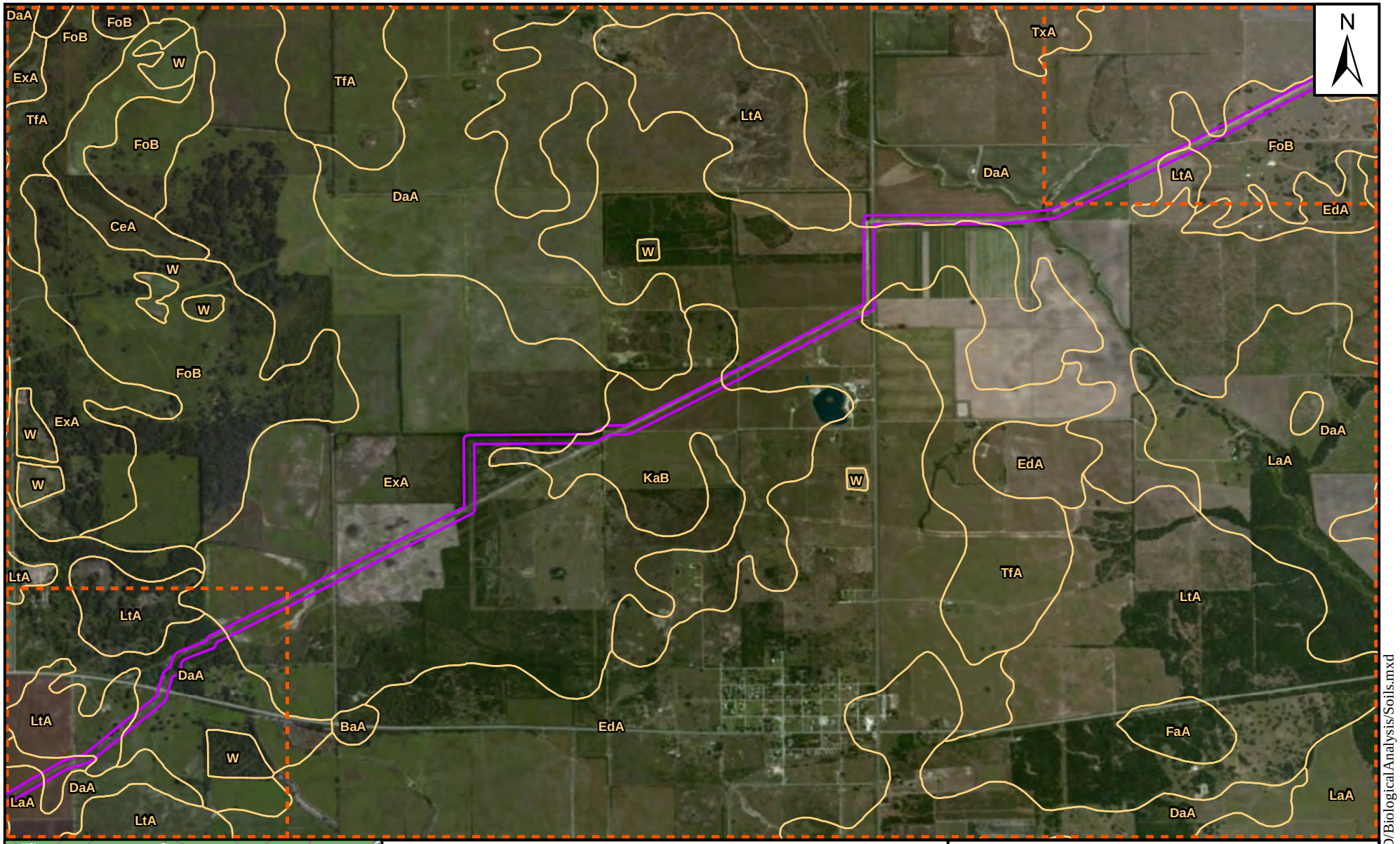
Prepared For: Occidental Chemical Corporation

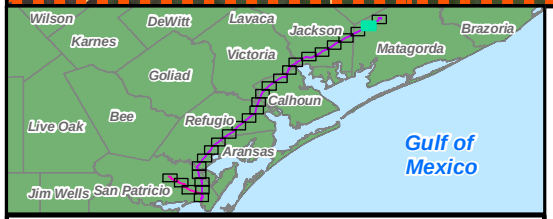
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

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Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

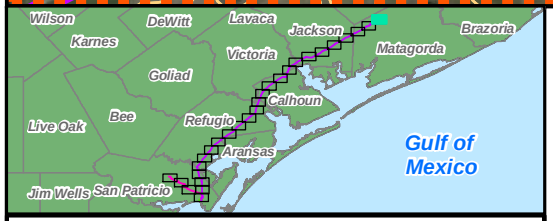
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

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Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

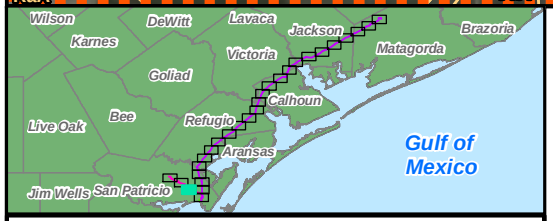
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

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Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

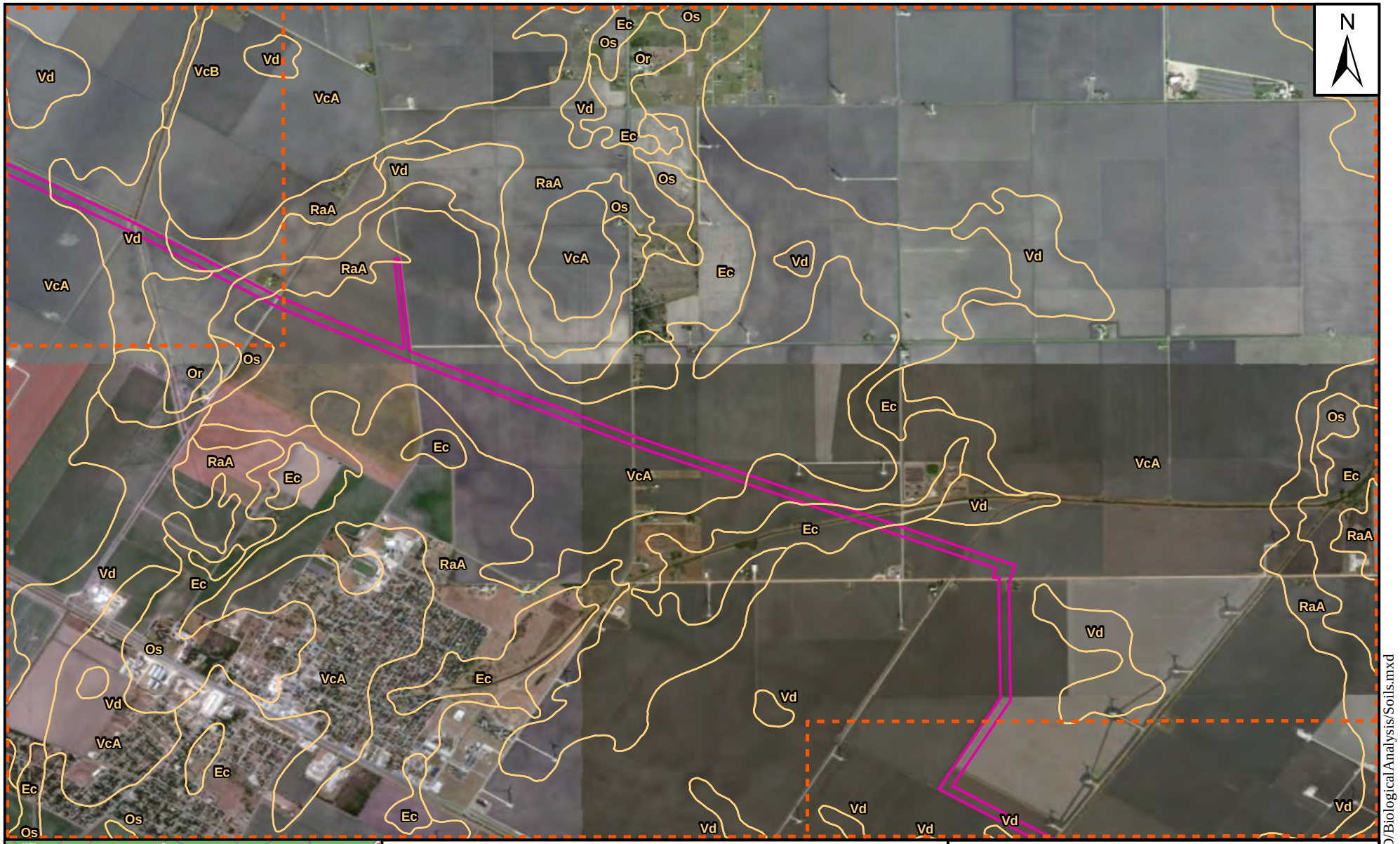
Prepared For: Occidental Chemical Corporation

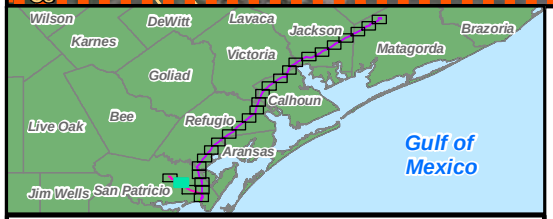
Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT





Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

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Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

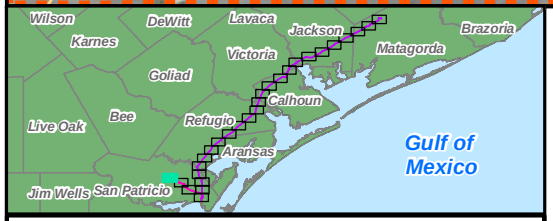
Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd

US EPA ARCHIVE DOCUMENT



Source: World Imagery and County Boundaries from ESRI online mapping services. Available at http://services.arcgisonline.com/arcgis/services. Soils from USDA NRCS Database, downloaded 3/2013.

LEGEND

- Sheet Boundary
- County Boundary
- Soils
- Ethane Cracker
- Markham Pipeline
- San Patricio Pipeline

0 0.5 1 1.5 2 Miles

Scale = 1:36,000

SHEET 28 of 28

Appendix B. Soils Traversed by the OxyChem Markham Pipeline, San Patricio Pipeline, and Ethane Cracker.

Prepared For: Occidental Chemical Corporation

Prepared By: TETRA TECH

Date: 6/13

P:GIS/projects/OxyPhaseII/MXD/BiologicalAnalysis/Soils.mxd