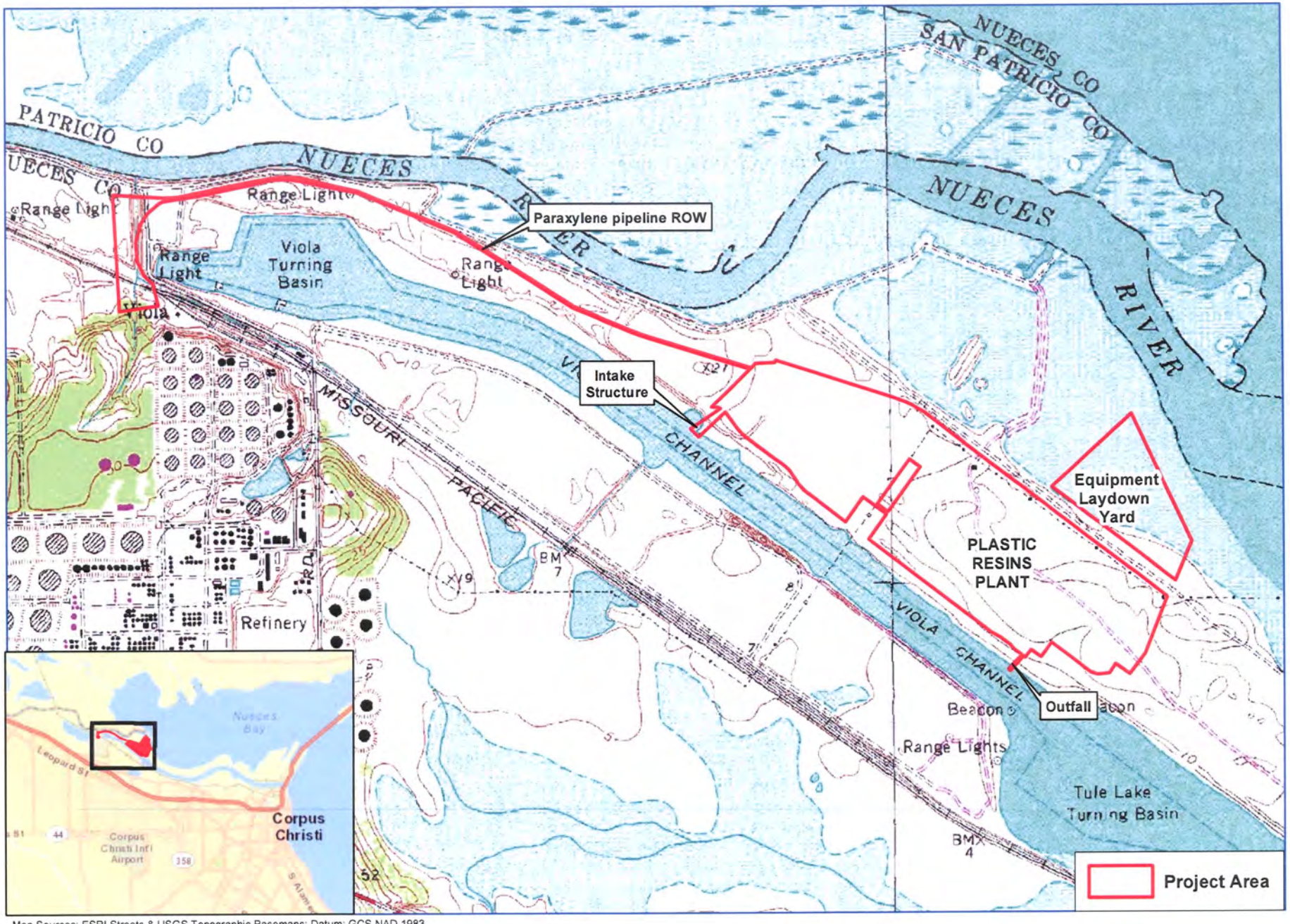
Vicinity MAPS

SWG-2013-00247
Sheet 1 of 14



Map Sources: ESRI Streets & USGS Topographic Basemaps; Datum: GCS NAD 1983

N

Kilometers: 0, 0.5, 1

Miles: 0, 0.5, 1

zephyr

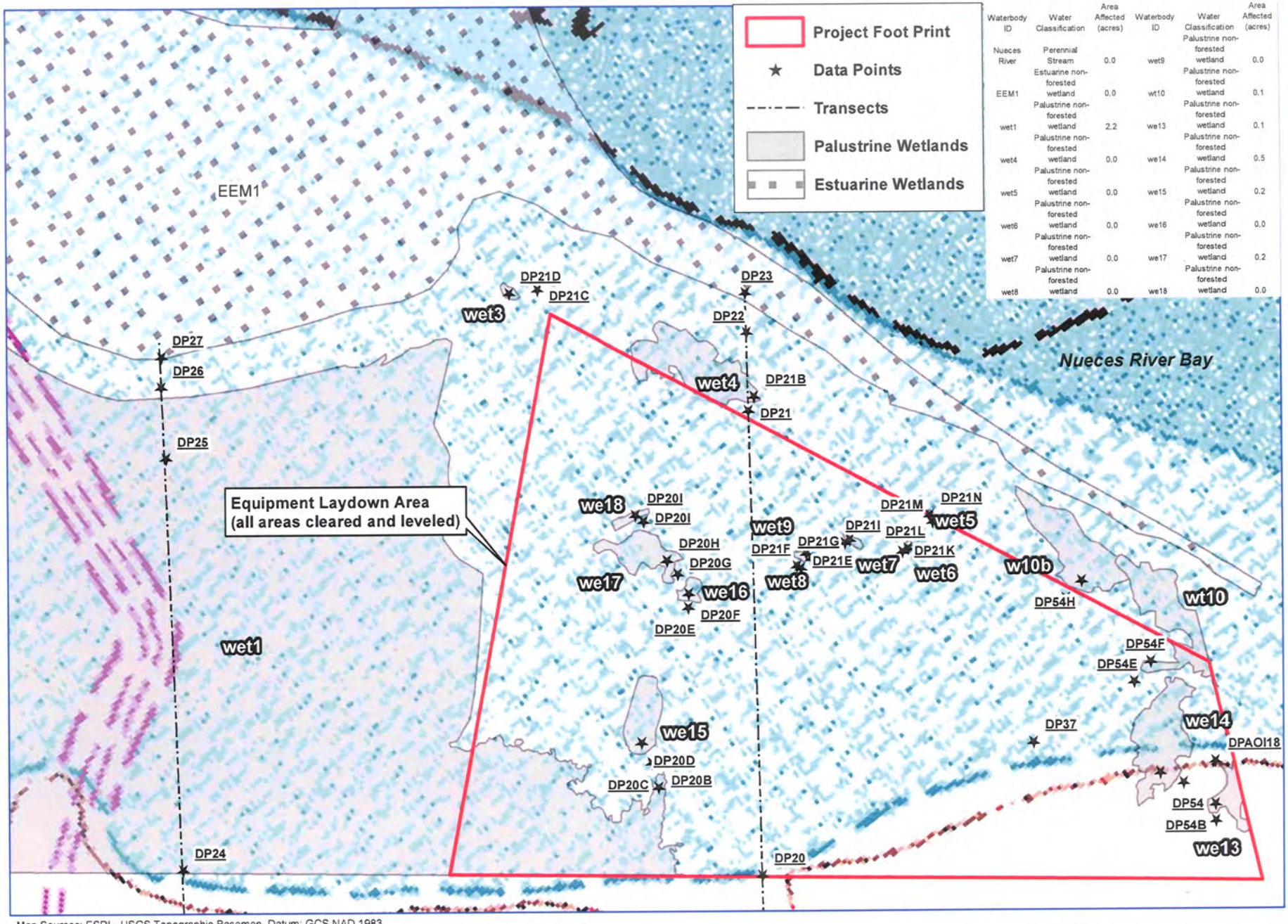
FIGURE 1 - Project Area Location Map

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 2 of 14



Waterbody ID	Water Classification	Area Affected (acres)	Waterbody ID	Water Classification	Area Affected (acres)
Nueces River	Perennial Stream	0.0	wet9	Palustrine non-forested wetland	0.0
EEM1	Estuarine non-forested wetland	0.0	wt10	Palustrine non-forested wetland	0.1
wet1	Palustrine non-forested wetland	2.2	we13	Palustrine non-forested wetland	0.1
wet4	Palustrine non-forested wetland	0.0	we14	Palustrine non-forested wetland	0.5
wet5	Palustrine non-forested wetland	0.0	we15	Palustrine non-forested wetland	0.2
wet6	Palustrine non-forested wetland	0.0	we16	Palustrine non-forested wetland	0.0
wet7	Palustrine non-forested wetland	0.0	we17	Palustrine non-forested wetland	0.2
wet8	Palustrine non-forested wetland	0.0	we18	Palustrine non-forested wetland	0.0

Map Sources: ESRI - USGS Topographic Basemap Datum: GCS NAD 1983

Meters: 0 150 300

Feet: 0 500 1,000

zephyr

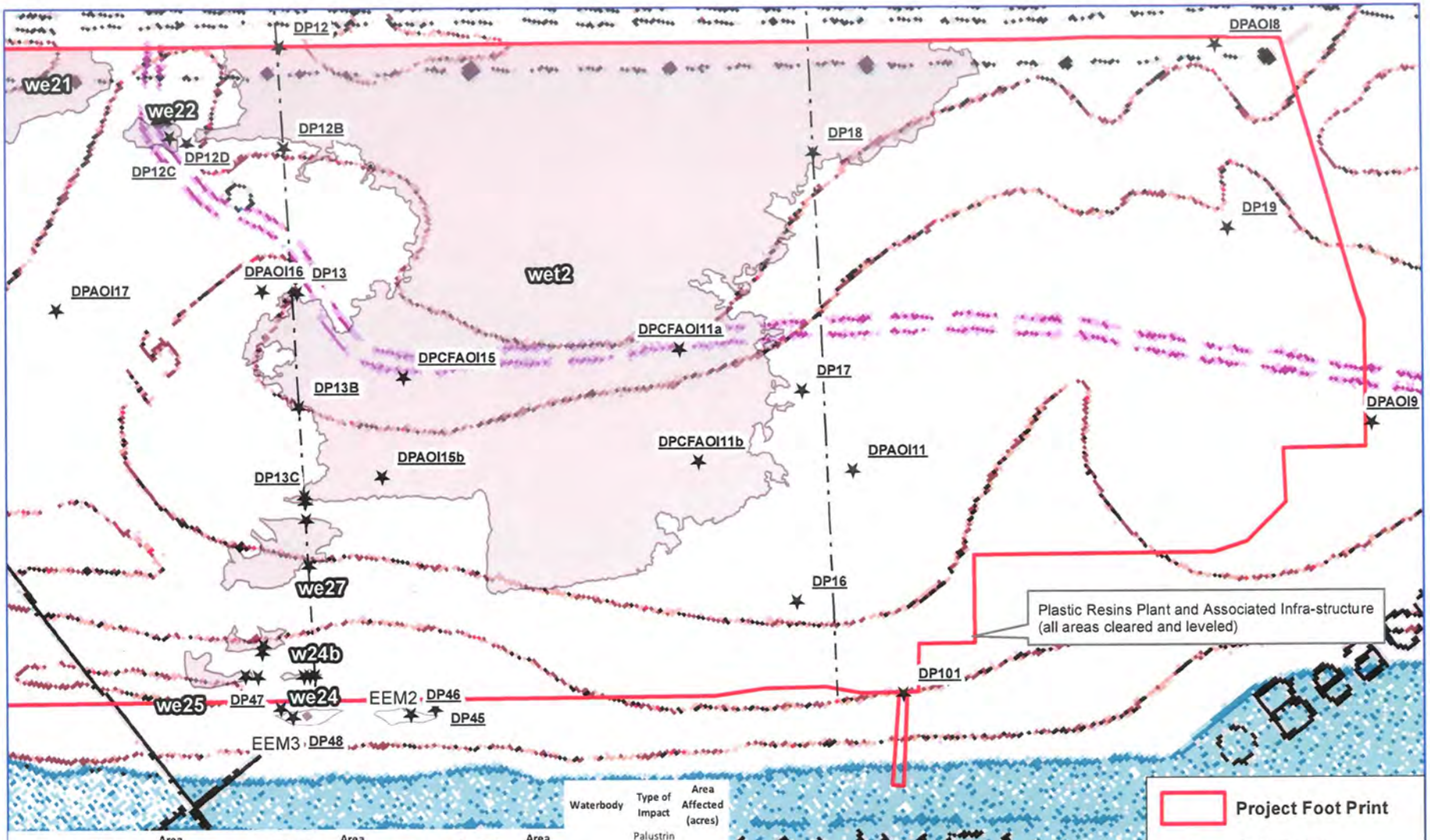
FIGURE 7A - Data Points and Waters of the US

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 3 of 14



Waterbody	Water Classification	Area Affected (acres)	Waterbody	Type of Impact	Area Affected (acres)	Waterbody	Type of Impact	Area Affected (acres)	Waterbody	Type of Impact	Area Affected (acres)
Viola Ship Channel (Outfall)	Estuarine Open Water	3,333 cubic yards	EEM3	Estuarine non-forested wetland	0	we24	Palustrine non-forested wetland	<0.1	we25	Palustrine non-forested wetland	0.136091
EEM2	Estuarine non-forested wetland	0	wet2	Palustrine non-forested wetland	29.57889	w24b	Palustrine non-forested wetland	<0.1	we26	Palustrine non-forested wetland	0.096968
									we27	Palustrine non-forested wetland	0.568879

Map Sources: ESRI - USGS Topographic Basemap Datum: GCS NAD 1983

Meters: 0 150 300

Feet: 0 500 1,000

zephyr

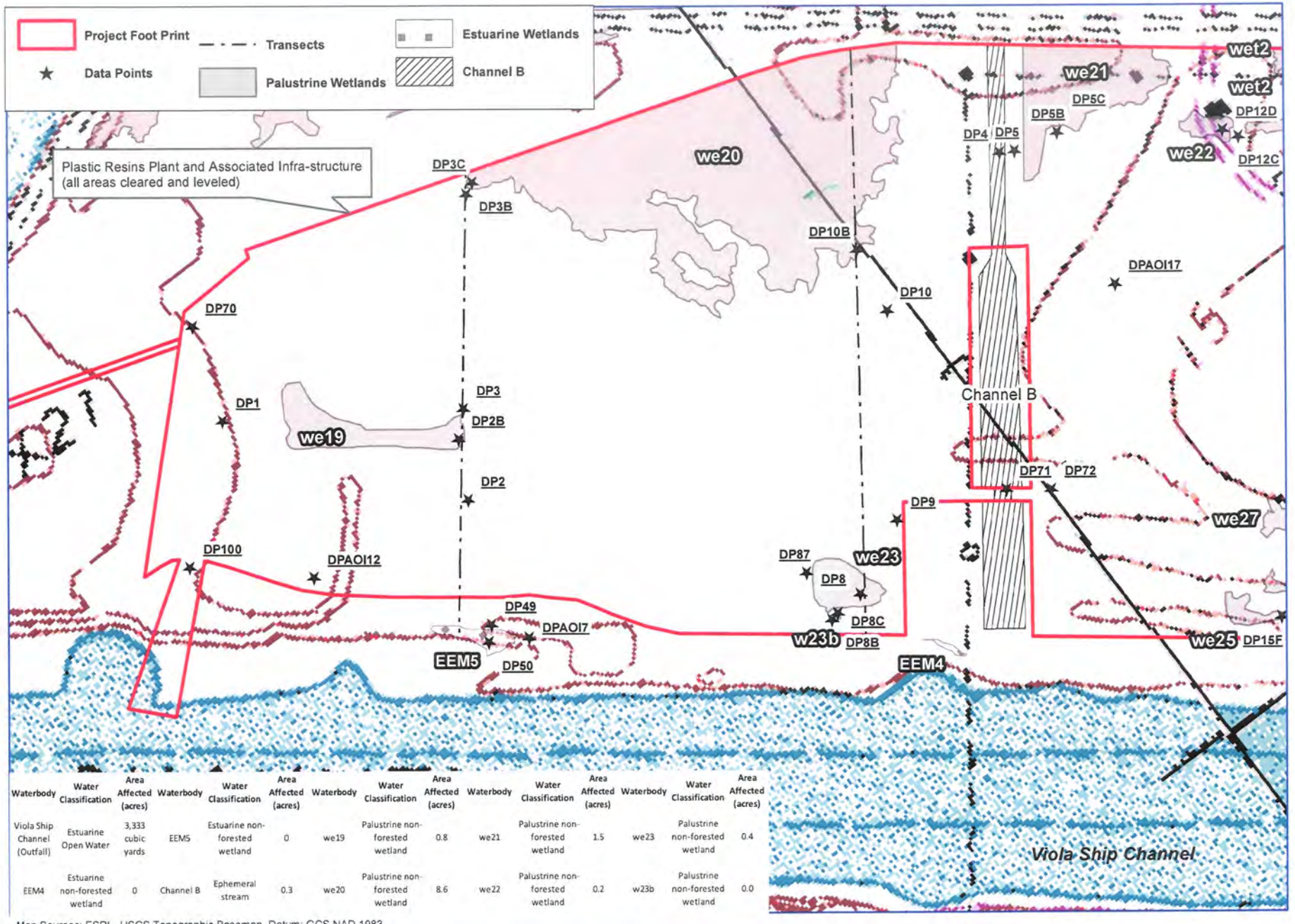
FIGURE - 7B Data Points and Waters of the US

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 4 of 14



Waterbody	Water Classification	Area Affected (acres)	Waterbody	Water Classification	Area Affected (acres)	Waterbody	Water Classification	Area Affected (acres)	Waterbody	Water Classification	Area Affected (acres)	Waterbody	Water Classification	Area Affected (acres)
Viola Ship Channel (Outfall)	Estuarine Open Water	3,333 cubic yards	EEM5	Estuarine non-forested wetland	0	we19	Palustrine non-forested wetland	0.8	we21	Palustrine non-forested wetland	1.5	we23	Palustrine non-forested wetland	0.4
EEM4	Estuarine non-forested wetland	0	Channel B	Ephemeral stream	0.3	we20	Palustrine non-forested wetland	8.6	we22	Palustrine non-forested wetland	0.2	w23b	Palustrine non-forested wetland	0.0

Map Sources: ESRI - USGS Topographic Basemap Datum: GCS NAD 1983

Meters: 0 150 300

Feet: 0 500 1,000

zephyr

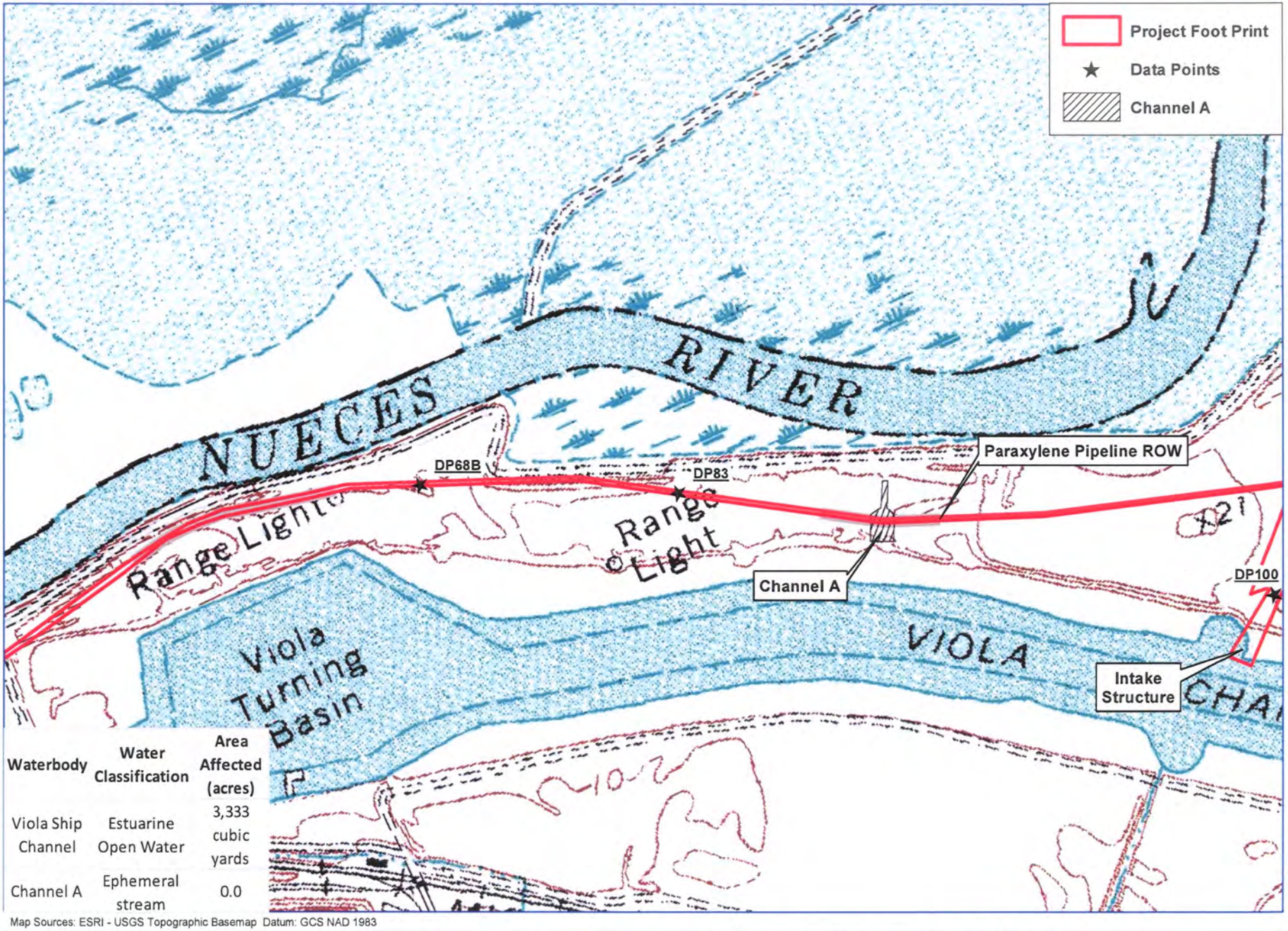
FIGURE 7C - Data Points and Waters of the US

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 5 of 14



Waterbody	Water Classification	Area Affected (acres)
Viola Ship Channel	Estuarine Open Water	3,333 cubic yards
Channel A	Ephemeral stream	0.0

Map Sources: ESRI - USGS Topographic Basemap Datum: GCS NAD 1983

Meters: 0 300 600

Feet: 0 1,000 2,000

zephyr

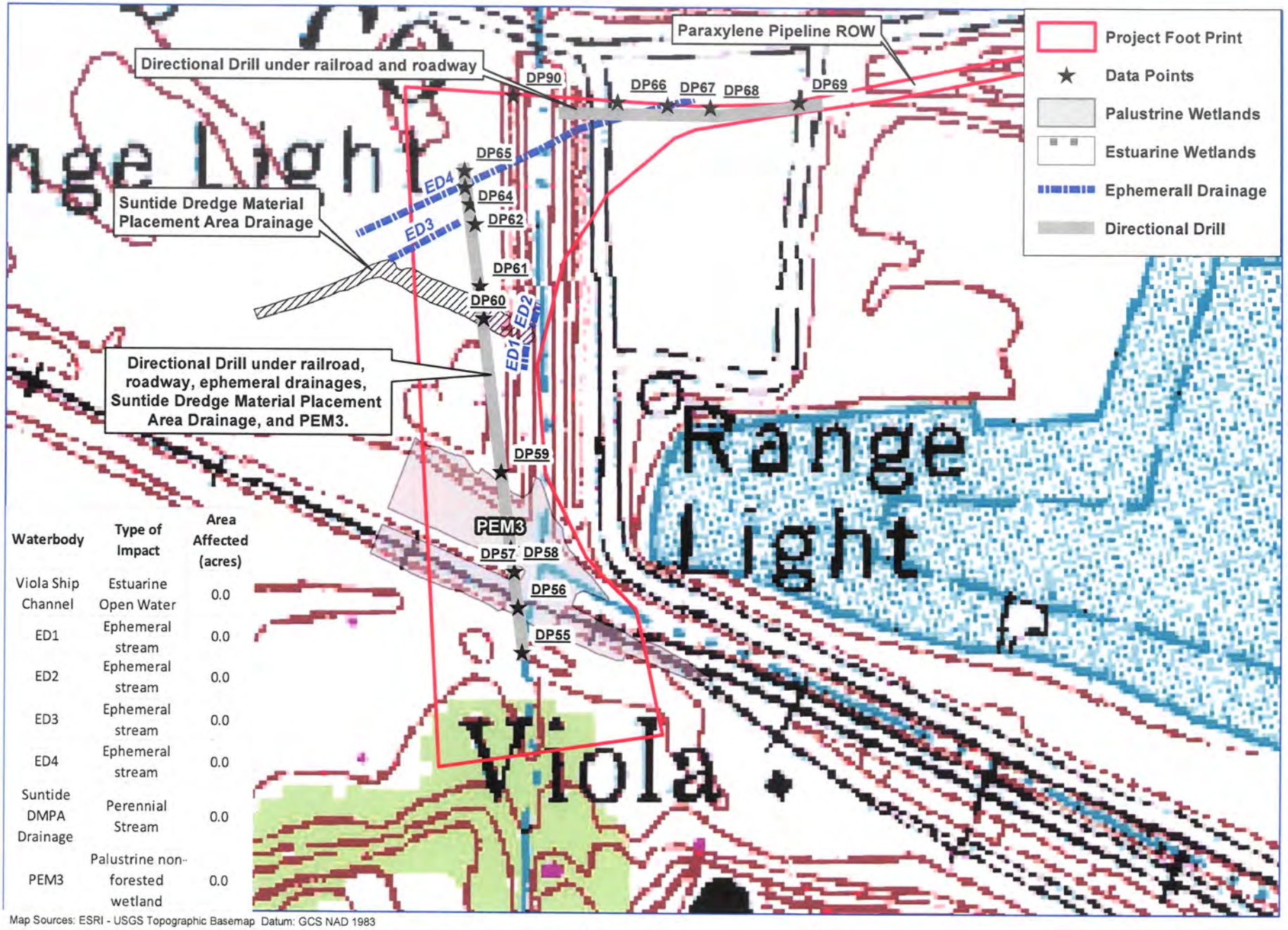
FIGURE 7D - Data Points and Waters of the US

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 6 of 14



Waterbody	Type of Impact	Area Affected (acres)
Viola Ship Channel	Estuarine Open Water	0.0
ED1	Ephemeral stream	0.0
ED2	Ephemeral stream	0.0
ED3	Ephemeral stream	0.0
ED4	Ephemeral stream	0.0
Suntide DMPA Drainage	Perennial Stream	0.0
PEM3	Palustrine non-forested wetland	0.0

Map Sources: ESRI - USGS Topographic Basemap Datum: GCS NAD 1983

N

Meters: 0, 100, 200

Feet: 0, 400, 800

zephyr

FIGURE 7F - Data Points and Waters of the US

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 7 of 14

Waterbody	Type of Impact	Area affected (acres)
EEM1	No impact	0.0
Nueces River	No impact	0.0
wet1	Conversion	2.2
wet4	Conversion	0.0
wet5	Conversion	<0.1
wet6	Conversion	<0.1
wet7	Conversion	<0.1
wet8	Conversion	<0.1
wet9	Conversion	<0.1
wt10	Conversion	0.1
w10b	No impact	0.0
we11	No impact	0.0
we12	No impact	0.0
we13	Conversion	0.1
we14	Conversion	0.5
we15	Conversion	0.2
we16	Conversion	<0.1
we17	Conversion	0.2
we18	Conversion	<0.1

Map Sources:
ESRI Basemaps-
Bing Hybrid
Datum: GCS NAD 1983

Meters: 0 75 150
Feet: 0 250 500

zephyr

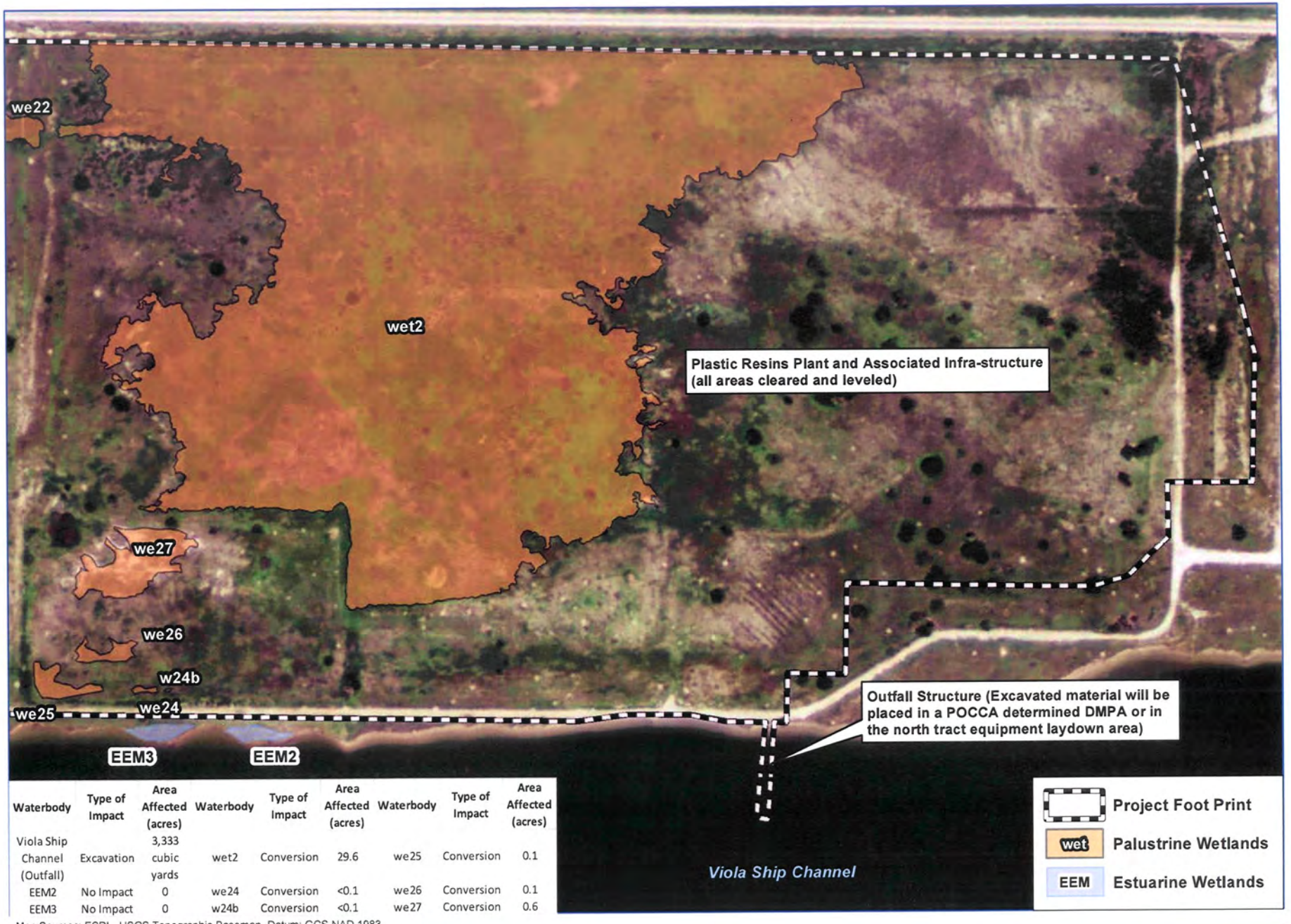
Figure 8A - Waters of the US

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 8 of 14



Waterbody	Type of Impact	Area Affected (acres)	Waterbody	Type of Impact	Area Affected (acres)	Waterbody	Type of Impact	Area Affected (acres)
Viola Ship Channel (Outfall)	Excavation	3,333 cubic yards	wet2	Conversion	29.6	we25	Conversion	0.1
EEM2	No Impact	0	we24	Conversion	<0.1	we26	Conversion	0.1
EEM3	No Impact	0	w24b	Conversion	<0.1	we27	Conversion	0.6

Map Sources: ESRI - USGS Topographic Basemap Datum: GCS NAD 1983

Meters 0 100 200

Feet 0 300 600

zephyr

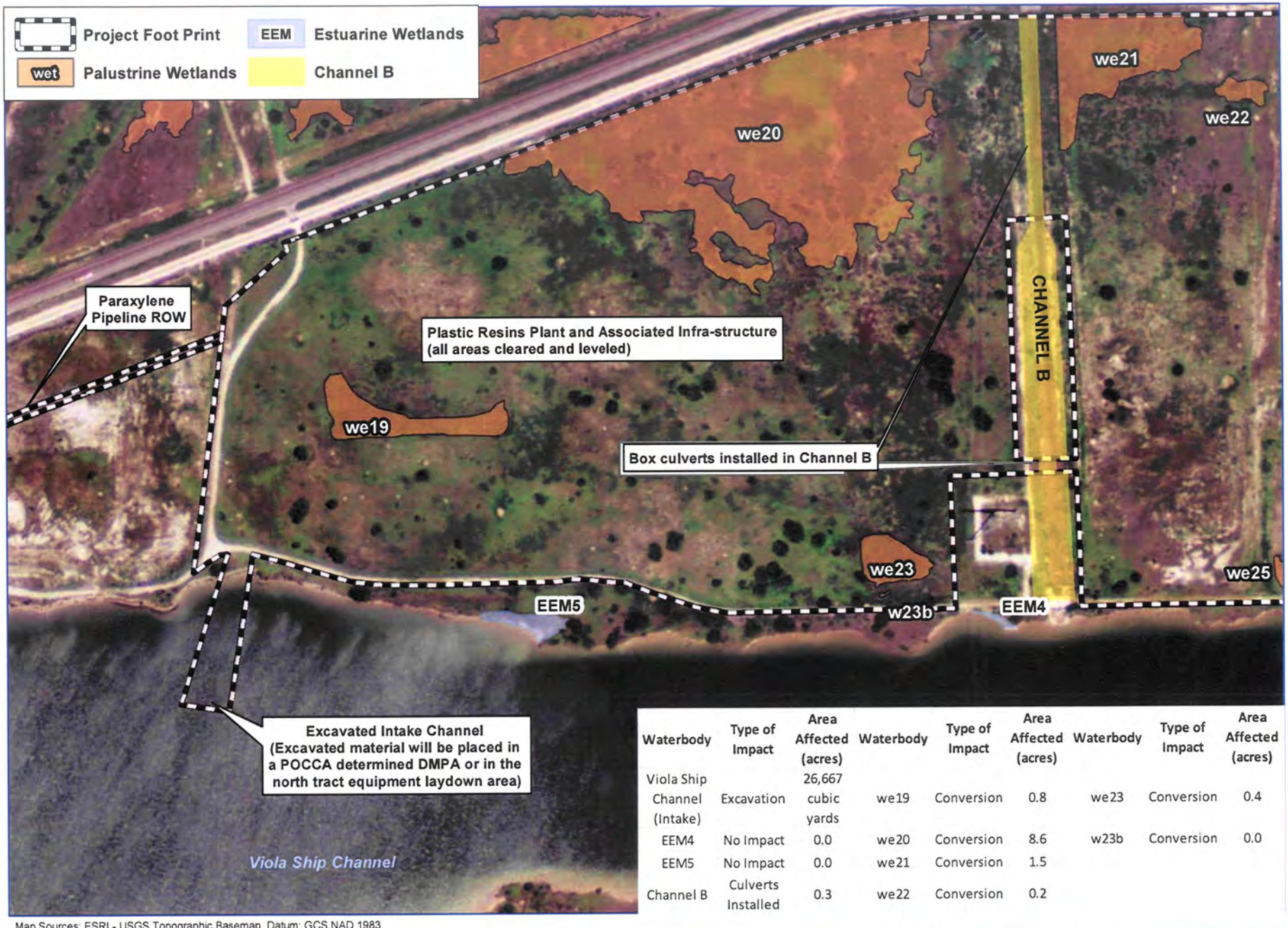
FIGURE - 8B Waters of the US

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 9 of 14



Waterbody	Type of Impact	Area Affected (acres)	Waterbody	Type of Impact	Area Affected (acres)	Waterbody	Type of Impact	Area Affected (acres)
Viola Ship Channel (Intake)	Excavation	26,667 cubic yards	we19	Conversion	0.8	we23	Conversion	0.4
EEM4	No Impact	0.0	we20	Conversion	8.6	w23b	Conversion	0.0
EEM5	No Impact	0.0	we21	Conversion	1.5			
Channel B	Culverts Installed	0.3	we22	Conversion	0.2			

Map Sources: ESRI - USGS Topographic Basemap Datum: GCS NAD 1983

Meters: 0 150 300
Feet: 0 500 1,000

zephyr

FIGURE 8C - Waters of the US

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 10 of 14

Waterbody	Type of Impact	Area Affected (acres)
Viola Ship Channel (Intake)	Excavation	26,667 cubic yards
Channel A	No Impact	0.0

Map Sources: ESRI - USGS Topographic Basemap Datum: GCS NAD 1983

Meters: 0 300 600

Feet: 0 1,000 2,000

zephyr

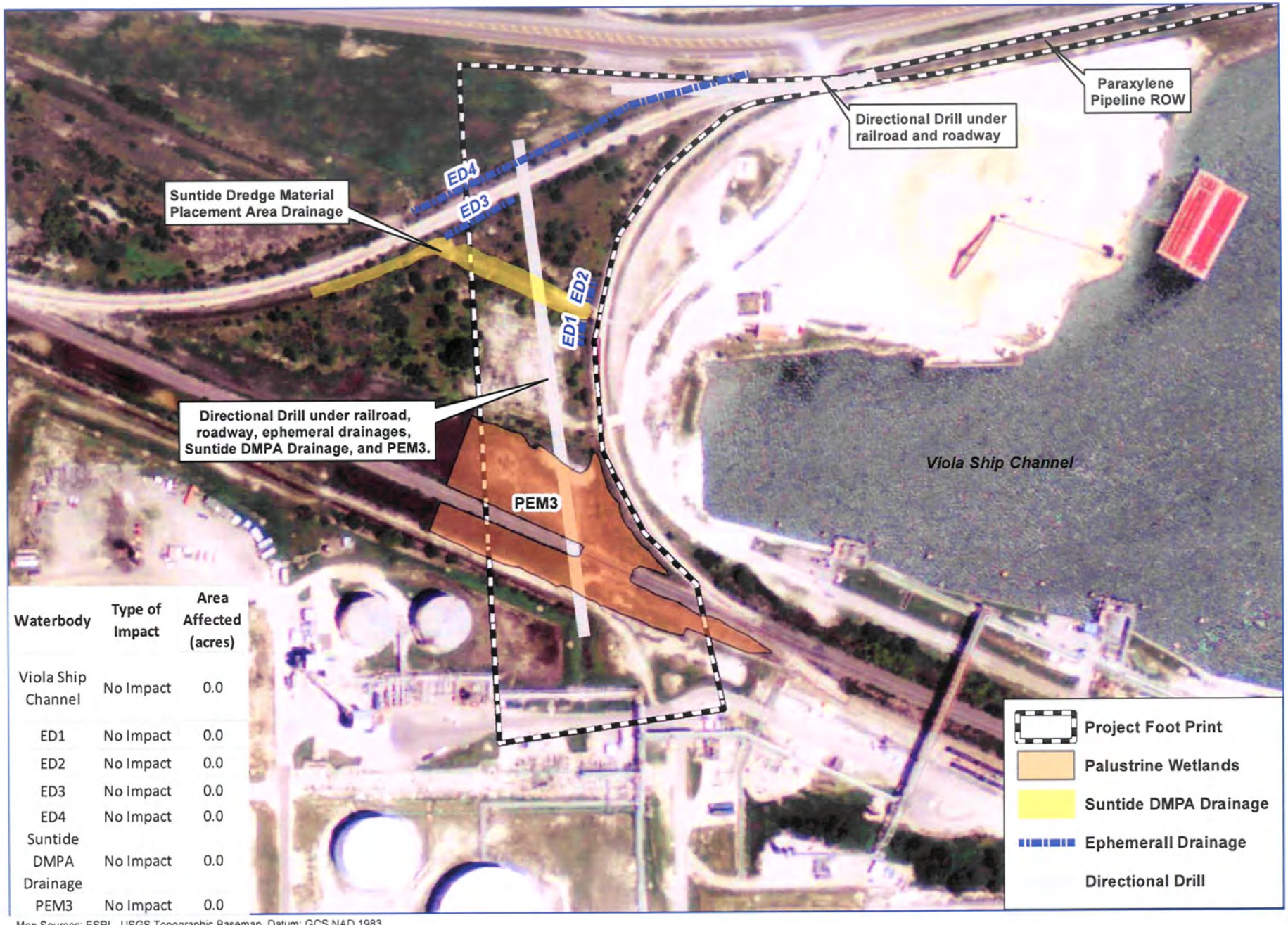
FIGURE 8D - Waters of the US

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 11 of 14



Waterbody	Type of Impact	Area Affected (acres)
Viola Ship Channel	No Impact	0.0
ED1	No Impact	0.0
ED2	No Impact	0.0
ED3	No Impact	0.0
ED4	No Impact	0.0
Suntide DMPA Drainage	No Impact	0.0
PEM3	No Impact	0.0

Map Sources: ESRI - USGS Topographic Basemap Datum: GCS NAD 1983

N

0 100 200 Meters

0 500 1,000 Feet

zephyr

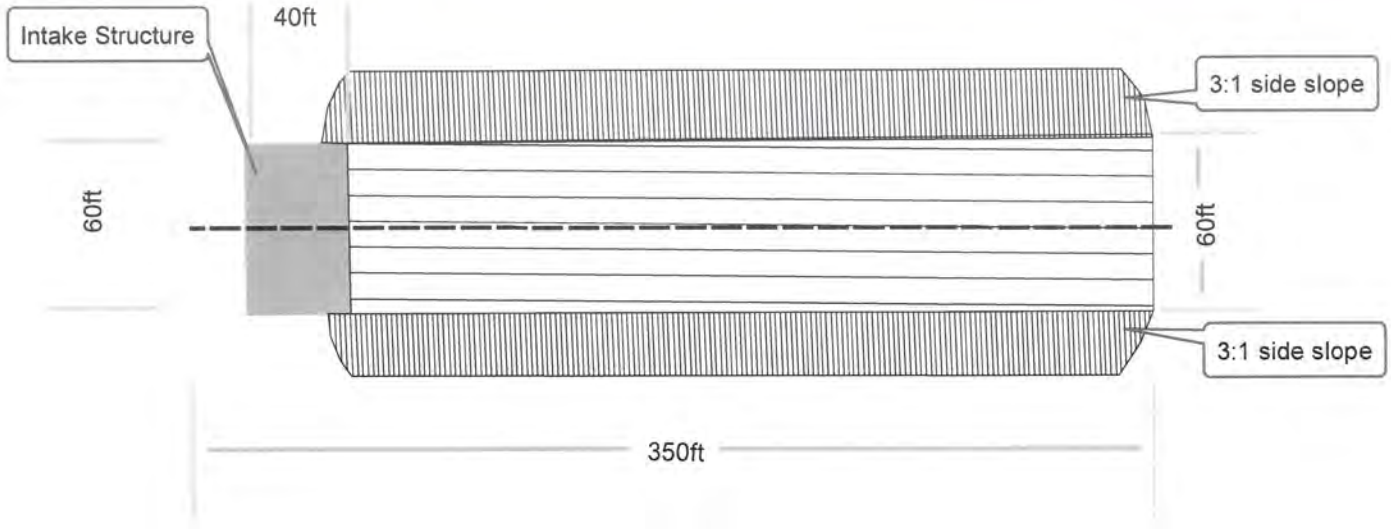
FIGURE 8E - Waters of the US

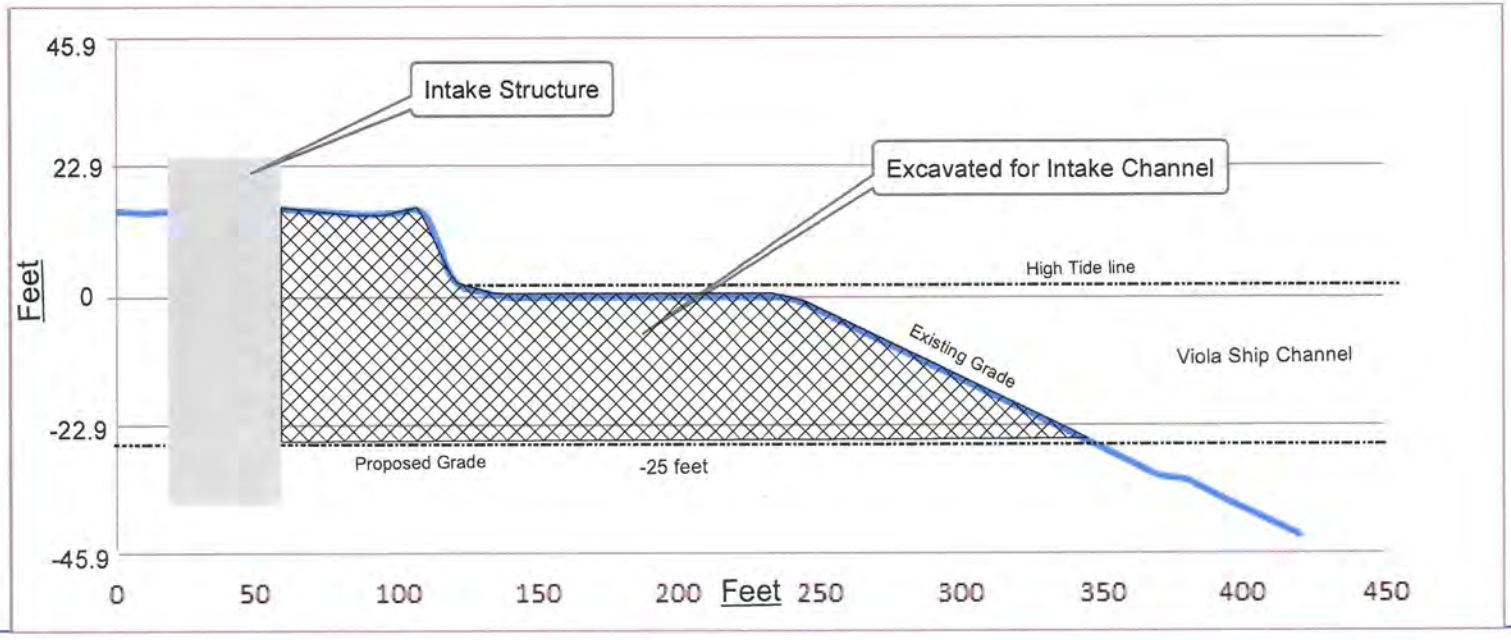
M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: C. Fischer	Reviewed By: T. Sullivan	Project No.: 012453.013	Date: 01.31.2014

SWG-2013-00247 Sheet 12 of 14





Drawing not to scale

Map Sources:
USGS 2011 LiDAR data
Datum: GCS NAD 1983

Meters: 0, 20, 40

Feet: 0, 80, 160

zephyr

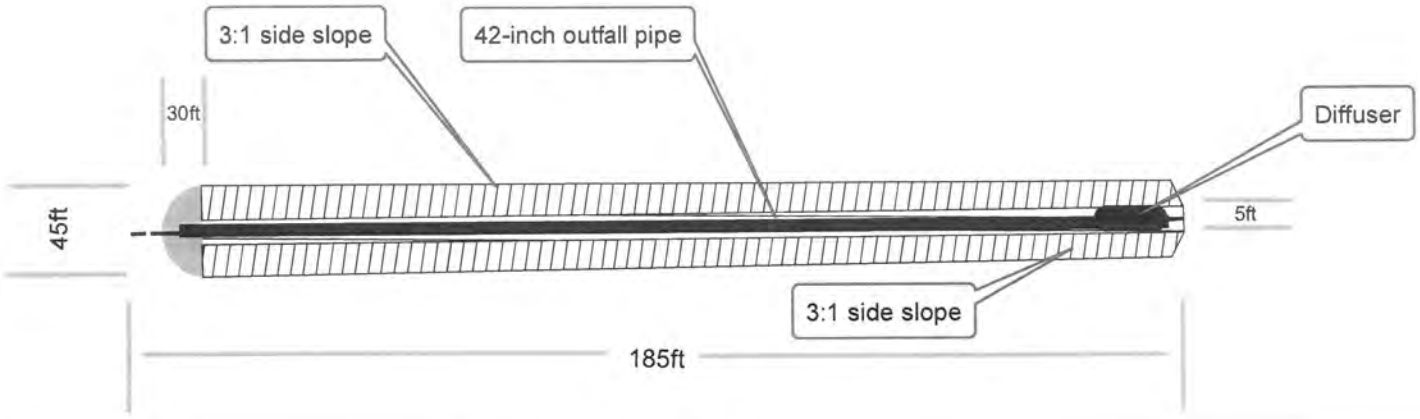
Intake Structure Plan View and Cross-Sectional Drawing

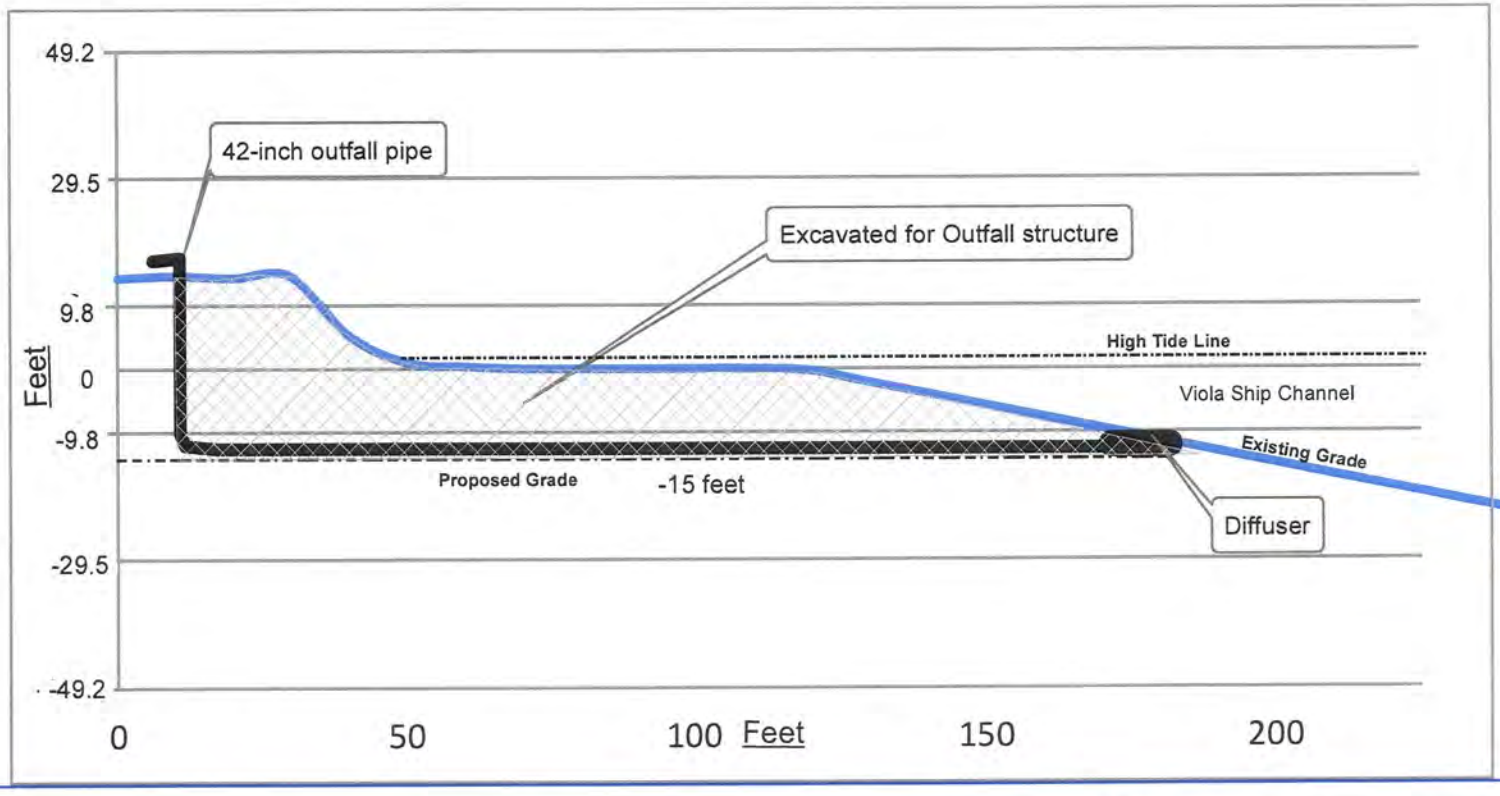
M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: J. Knowles	Reviewed By: C. Fischer	Project No.: 012453.013	Date: 01.15.2014

SWG-2013-00347 Sheet 13 of 14





Drawing not to scale

Map Sources:
USGS 2011 LiDAR data
Datum: GCS NAD 1983

Meters: 0, 10, 20

Feet: 0, 40, 80

zephyr

Outfall Structure Plan View and Cross-Sectional Drawing

M&G/ChemTex Wetland Assessment

File Location: H:\Chemtex\Task 013 - USACE Permitting\USACE\Preliminary Jurisdictional Determination

Drafted By: J. Knowles	Reviewed By: C. Fischer	Project No.: 012453.013	Date: 01.15.2014

SWG-2013-00247 Sheet 14 of 14