Conservation Plan Map

Customer(s): RODNEY BURBACH

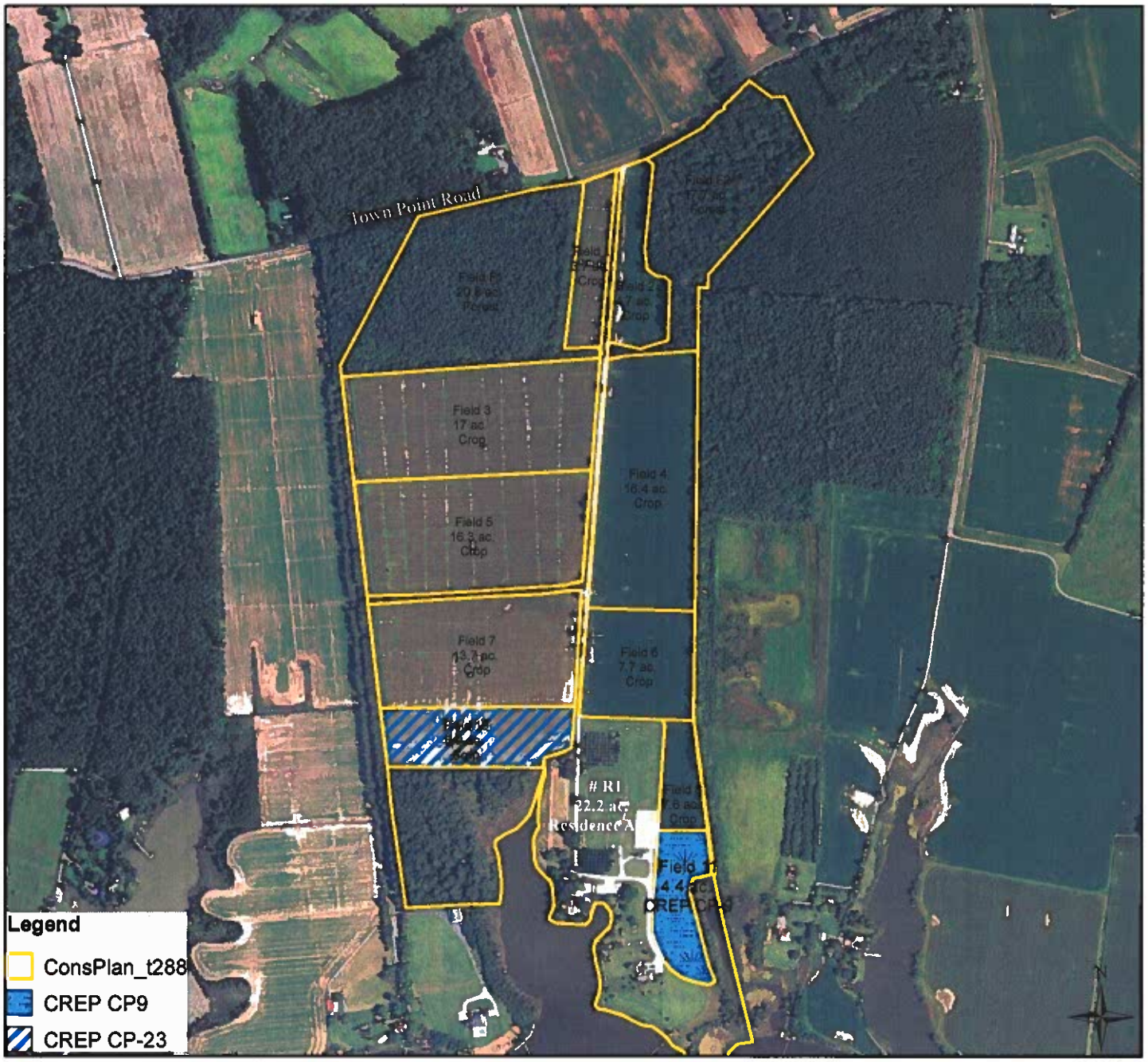
Assisted By: James Staats

Farm # 2554
Tract # 288
OPID: 3805260

District: DORCHESTER SCD

Field Office: DORCHESTER COUNTY SERVICE CENTER

Date: 5/24/2018



800 0 800 1,600 Feet

USDA

Soils Map

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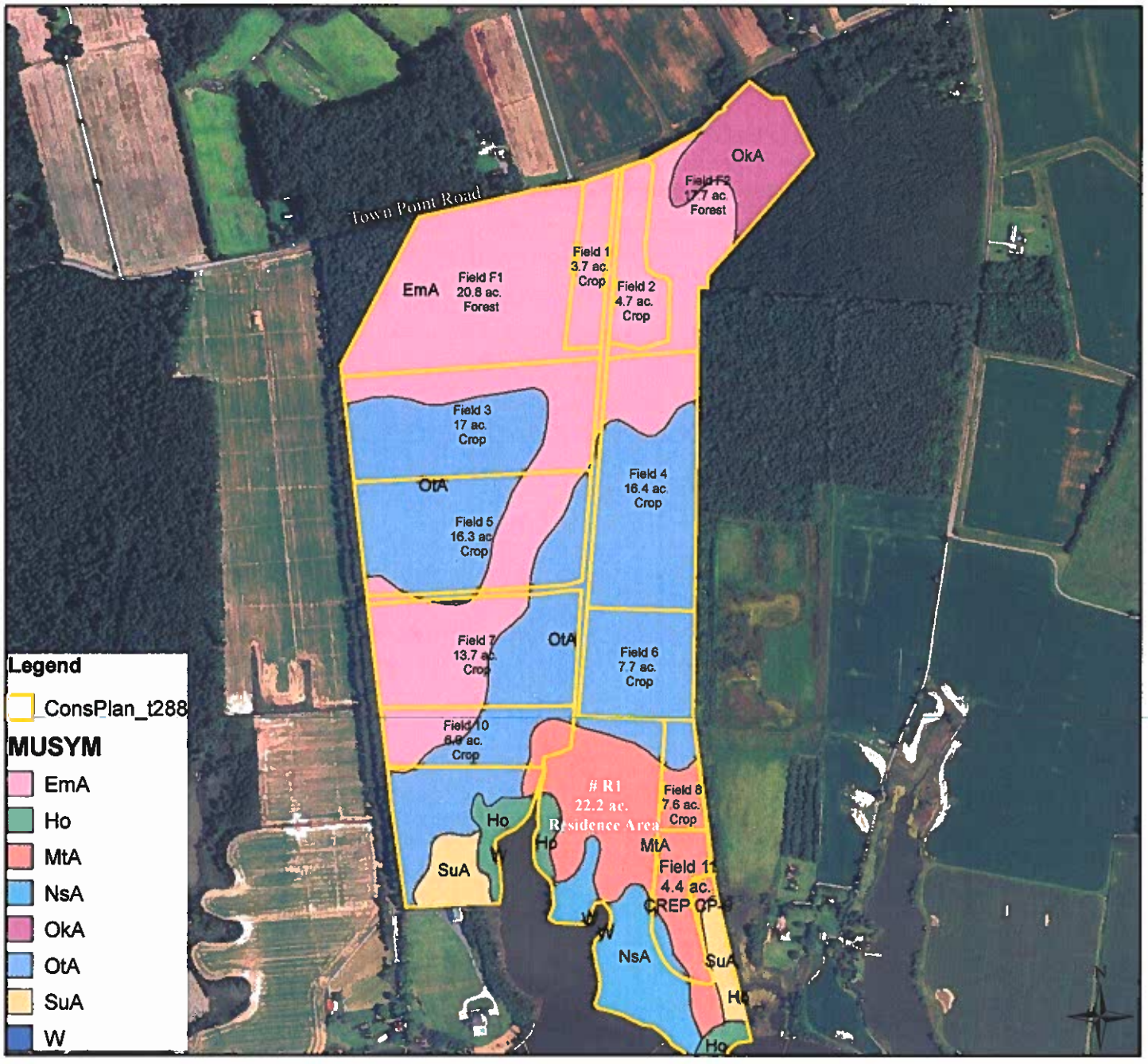

Soils Inventory Report

DAVID G WILSON

Tract	Land Unit	Map Unit Symbol	Map Unit Name	Acres	Percent
288	1	EmA	Elkton silt loam, 0 to 2 percent slopes	3.6	100%
			Total:	3.6	100%
288	2	EmA	Elkton silt loam, 0 to 2 percent slopes	4.7	100%
			Total:	4.7	100%
288	3	EmA	Elkton silt loam, 0 to 2 percent slopes	7.3	43%
288	3	OtA	Othello silt loam, 0 to 2 percent slopes	9.8	57%
			Total:	17.1	100%
288	4	EmA	Elkton silt loam, 0 to 2 percent slopes	4	25%
288	4	OtA	Othello silt loam, 0 to 2 percent slopes	12.1	75%
			Total:	16.1	100%
288	5	EmA	Elkton silt loam, 0 to 2 percent slopes	4.3	26%
288	5	OtA	Othello silt loam, 0 to 2 percent slopes	12.1	74%
			Total:	16.4	100%
288	6	OtA	Othello silt loam, 0 to 2 percent slopes	7.7	100%
			Total:	7.7	100%
288	7	OtA	Othello silt loam, 0 to 2 percent slopes	5.7	40%
288	7	EmA	Elkton silt loam, 0 to 2 percent slopes	8.4	60%
			Total:	14.1	100%
288	8	OtA	Othello silt loam, 0 to 2 percent slopes	1	37%
288	8	MtA	Mattapex silt loam, 0 to 2 percent slopes	1.7	63%
			Total:	2.7	100%
288	10	MtA	Mattapex silt loam, 0 to 2 percent slopes	0.9	13%
288	10	EmA	Elkton silt loam, 0 to 2 percent slopes	2.6	38%
288	10	OtA	Othello silt loam, 0 to 2 percent slopes	3.4	49%
			Total:	6.9	100%

288	11	NsA	Nassawango silt loam, 0 to 2 percent slopes	0.6	14%
288	11	MtA	Mattapex silt loam, 0 to 2 percent slopes	3.8	86%
			Total:	4.4	100%

288	F1	EmA	Elkton silt loam, 0 to 2 percent slopes	20.8	100%
			Total:	20.8	100%

288	F2	OtA	Othello silt loam, 0 to 2 percent slopes	0	0%
288	F2	MtA	Mattapex silt loam, 0 to 2 percent slopes	0.1	1%
288	F2	EmA	Elkton silt loam, 0 to 2 percent slopes	7.1	49%
288	F2	OkA	Othello and Kentuck soils, 0 to 2 percent slopes	7.2	50%
			Total:	14.4	100%

288	HQ1	W	Water	0	0%
288	HQ1	EmA	Elkton silt loam, 0 to 2 percent slopes	1.6	6%
288	HQ1	SuA	Sunken mucky silt loam, 0 to 2 percent slopes, occasionally flooded, tidal	1.6	6%
288	HQ1	Ho	Honga peat, very frequently flooded, tidal	2.2	8%
288	HQ1	OtA	Othello silt loam, 0 to 2 percent slopes	2.8	10%
288	HQ1	NsA	Nassawango silt loam, 0 to 2 percent slopes	7.8	29%
288	HQ1	MtA	Mattapex silt loam, 0 to 2 percent slopes	10.9	41%
			Total:	26.9	100%

288	W1	W	Water	0	0%
288	W1	EmA	Elkton silt loam, 0 to 2 percent slopes	0.1	1%
288	W1	MtA	Mattapex silt loam, 0 to 2 percent slopes	0.3	3%
288	W1	Ho	Honga peat, very frequently flooded, tidal	1.9	18%
288	W1	SuA	Sunken mucky silt loam, 0 to 2 percent slopes, occasionally flooded, tidal	2.6	25%
288	W1	OtA	Othello silt loam, 0 to 2 percent slopes	5.6	53%
			Total:	10.5	100%

Total: 166.3 100%

Map Unit Description (Brief, Generated)

Dorchester County, Maryland

[Minor map unit components are excluded from this report]

Map unit: EmA - Elkton silt loam, 0 to 2 percent slopes

Component: Elkton, undrained (40%)

The Elkton, undrained component makes up 40 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats, lowlands. The parent material consists of silty eolian deposits and/or fluviomarine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is occasionally ponded. A seasonal zone of water saturation is at 5 inches during January, February, March, April. Organic matter content in the surface horizon is about 57 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

Component: Elkton, drained (35%)

The Elkton, drained component makes up 35 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats, lowlands. The parent material consists of silty eolian deposits and/or fluviomarine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is rarely ponded. A seasonal zone of water saturation is at 14 inches during January, February, March, April. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Map unit: Ho - Honga peat, very frequently flooded, tidal

Component: Honga (80%)

The Honga component makes up 80 percent of the map unit. Slopes are 0 to 1 percent. This component is on coastal plains, submerged upland tidal marshes. The parent material consists of herbaceous organic material over fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is very frequently flooded. It is not ponded. A seasonal zone of water saturation is at 5 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 50 percent. Nonirrigated land capability classification is 8. This soil meets hydric criteria. The soil has a strongly saline horizon within 30 inches of the soil surface. The soil has a moderately sodic horizon within 30 inches of the soil surface.

Map unit: MtA - Mattapex silt loam, 0 to 2 percent slopes

Component: Mattapex (80%)

The Mattapex component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on uplands, flats. The parent material consists of silty eolian deposits over fluviomarine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during February. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. Irrigated land capability classification is 2w. This soil does not meet hydric criteria.

Map Unit Description (Brief, Generated)

Dorchester County, Maryland

Map unit: OtA - Othello silt loam, 0 to 2 percent slopes

Component: Othello, undrained (27%)

The Othello, undrained component makes up 27 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats, lowlands. The parent material consists of silty eolian deposits over fluviomarine sediments fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is occasionally ponded. A seasonal zone of water saturation is at 5 inches during January, February, March, April. Organic matter content in the surface horizon is about 68 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

Map unit: SuA - Sunken mucky silt loam, 0 to 2 percent slopes, occasionally flooded, tidal

Component: Sunken (80%)

The Sunken component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats, lowlands, submerged upland tidal marshes. The parent material consists of silty eolian deposits over fluviomarine sediments. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is occasionally flooded. It is occasionally ponded. A seasonal zone of water saturation is at 5 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 66 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria. The soil has a moderately saline horizon within 30 inches of the soil surface. The soil has a moderately sodic horizon within 30 inches of the soil surface.

Contour Map

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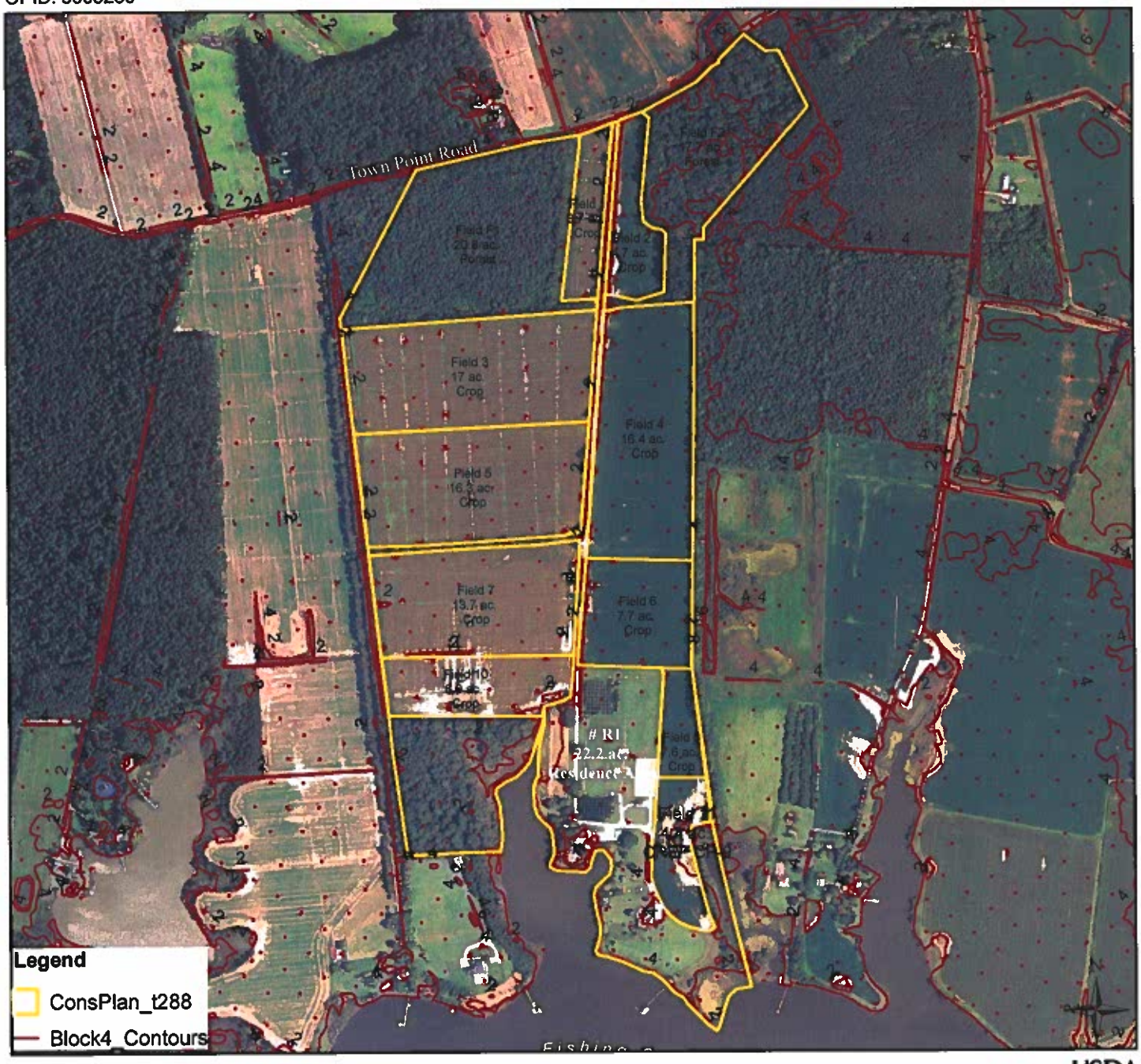

Resource Map

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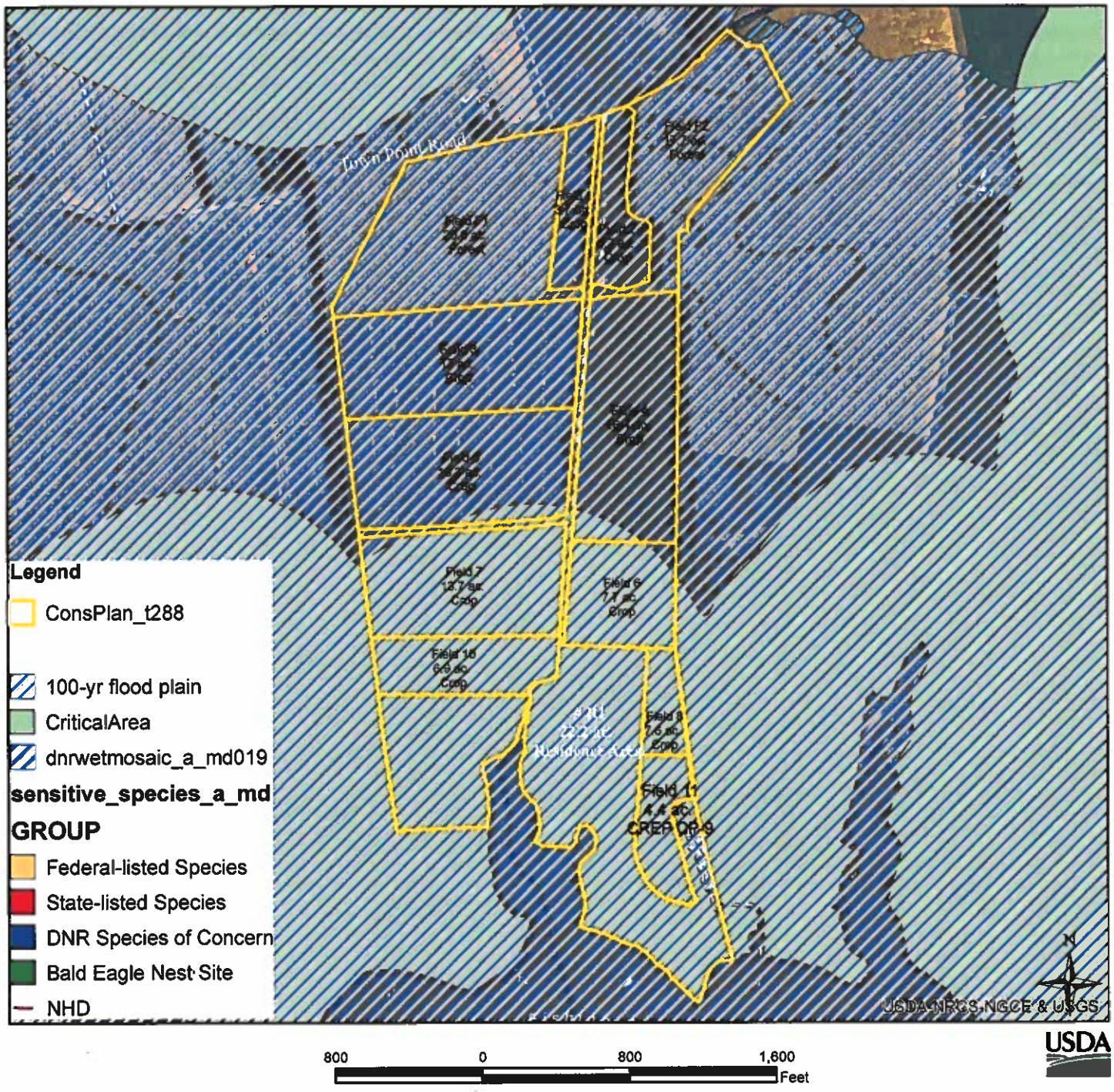

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