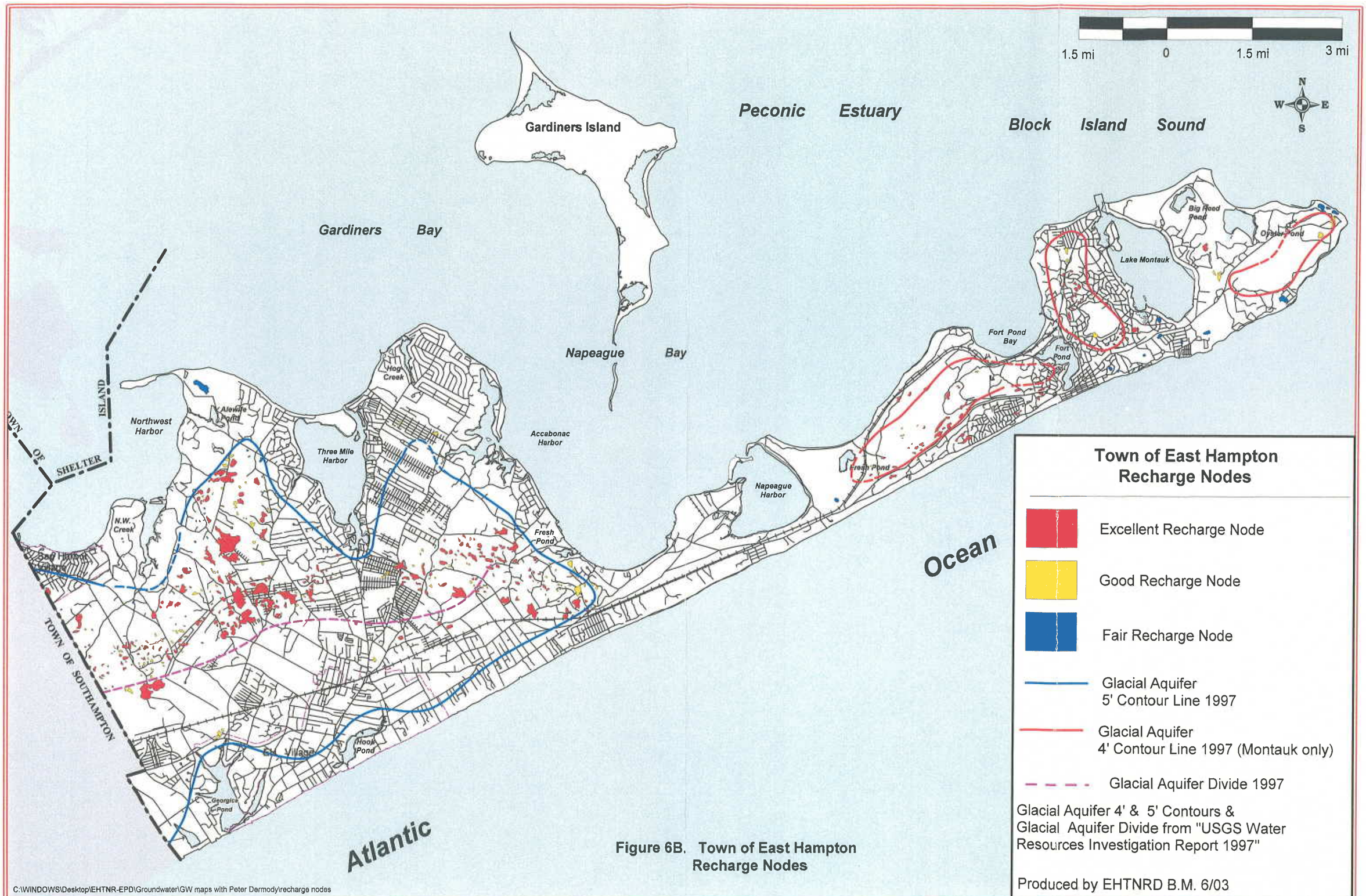


Figure 6B. Town of East Hampton Recharge Nodes

Town of East Hampton Groundwater Flow Map

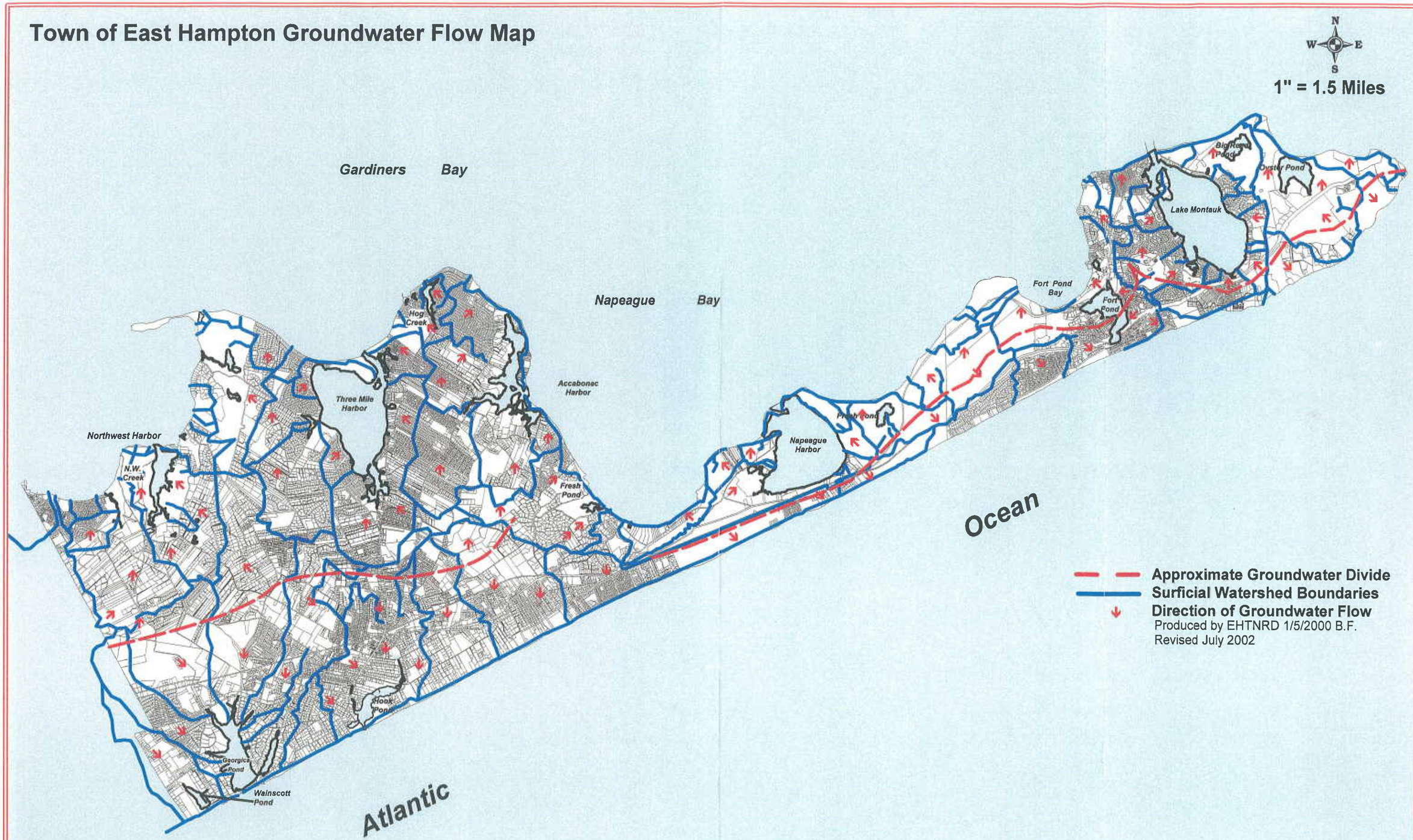


Figure 6. General Groundwater Flow Direction and Location of Groundwater Divide in the Town of East Hampton

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\h20shed groundwaterflow resized

Figure 6D. Wooded Kettle– Excellent Recharge Area

Figure 6E. Bad Recharge Area

Figure 6F. Worse Recharge Area

Figure 6G. Worst Recharge Area

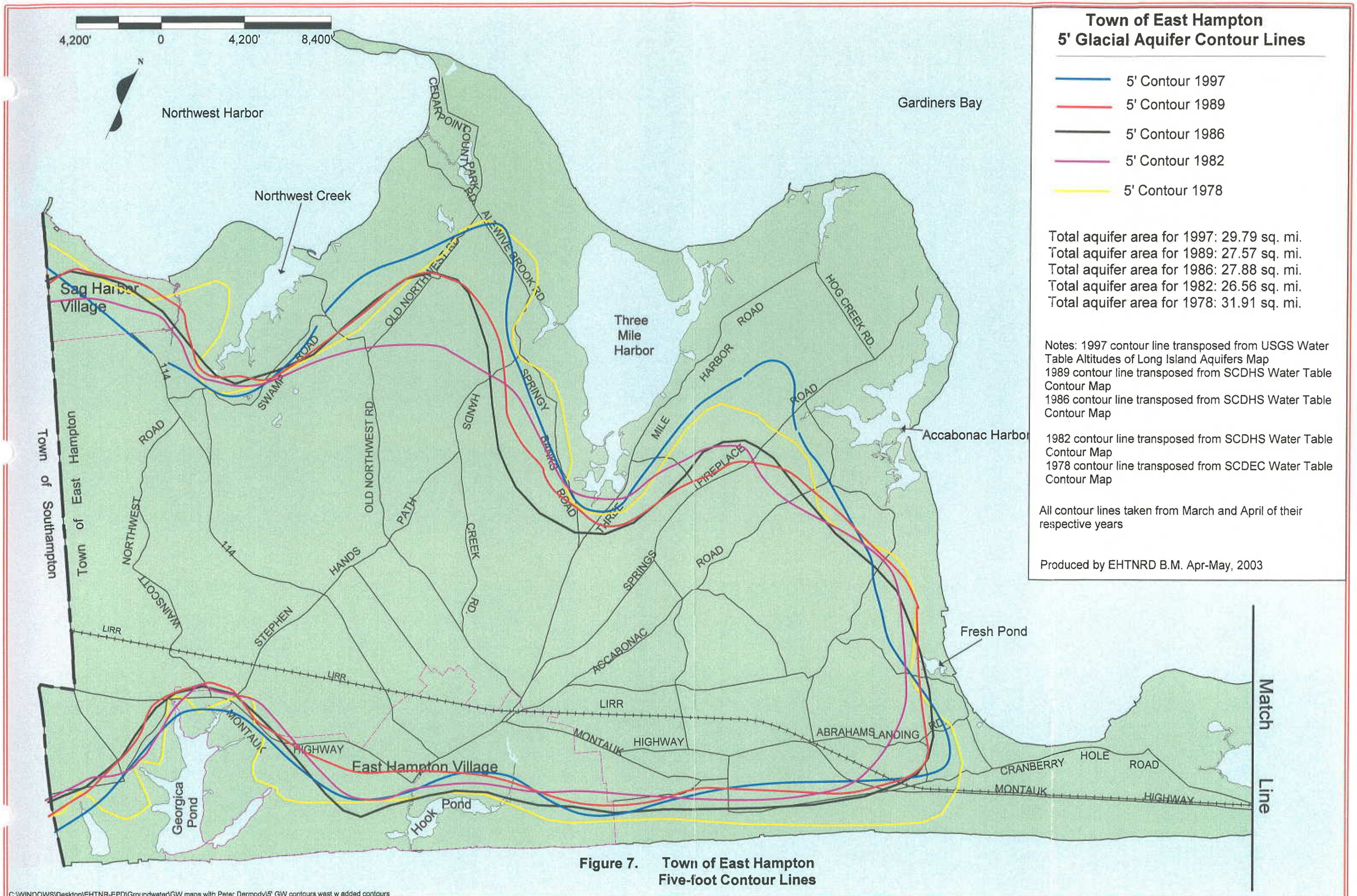
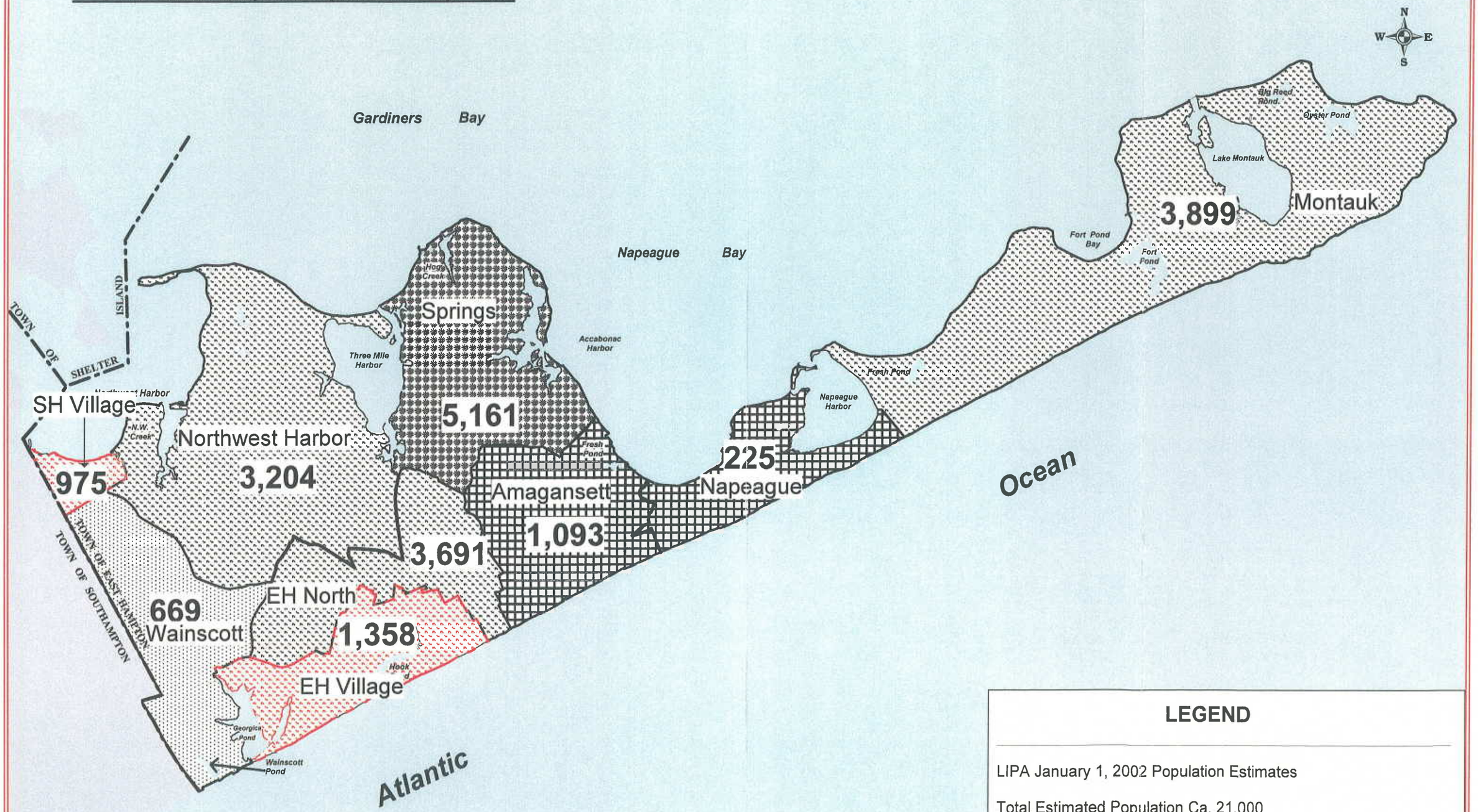


Figure 7. Town of East Hampton Five-foot Contour Lines

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\5' GW contours west w added contours

Town of East Hampton Population Map 2002



LEGEND

LIPA January 1, 2002 Population Estimates

Total Estimated Population Ca. 21,000

1.5 mi. 0 1.5 mi 3.0 mi

Produced by ENTNRD B.M. 5/03

Figure 8. Estimated Populations by Area

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\population 2002 unrotate

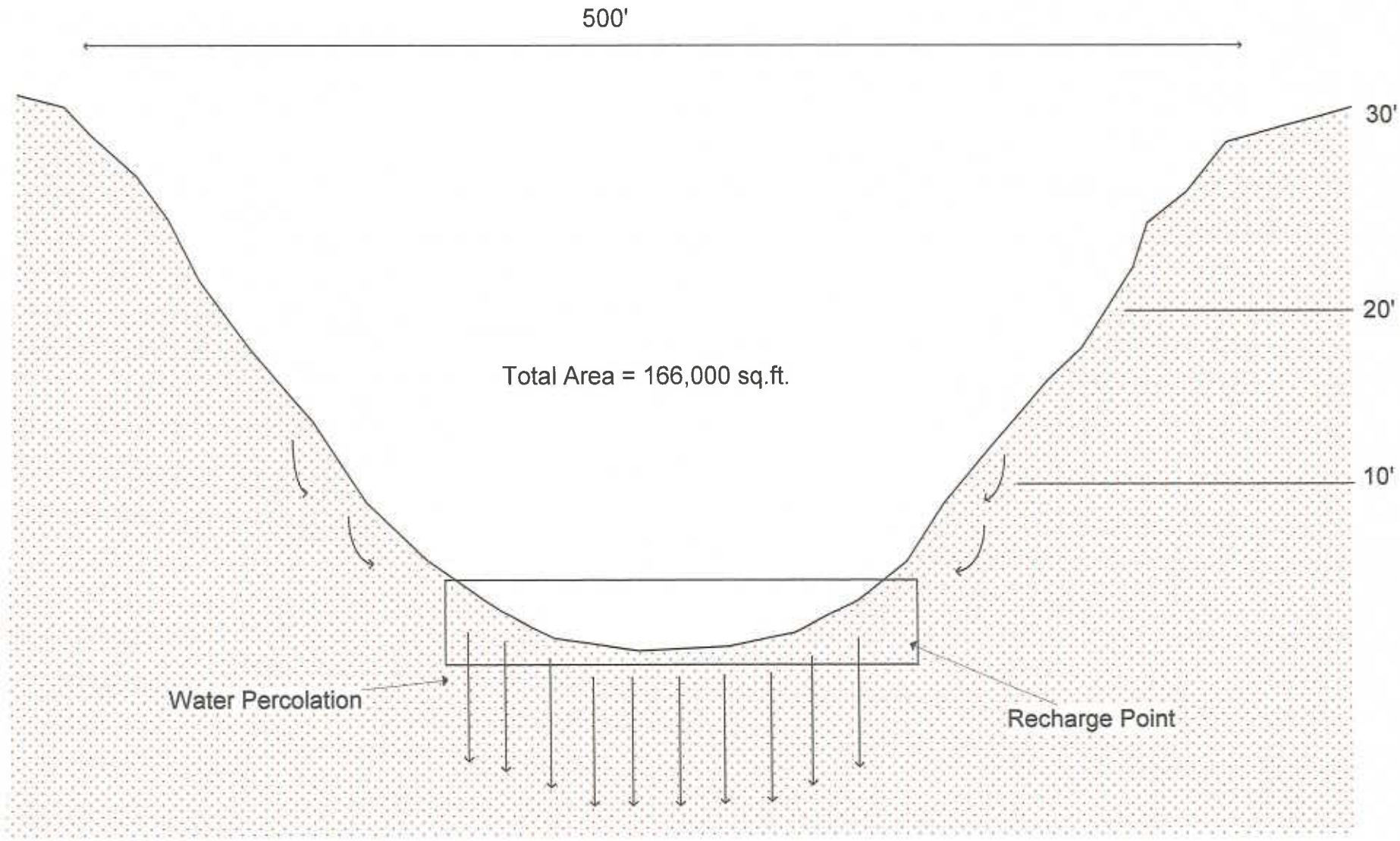


Figure 6C. Water Recharge Node, Amagansett, NY
Cross Section of a Typical Dry Kettle Hole
(not to scale)

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\kettle hole cross section

Town of East Hampton Vacant Parcels
May 2003

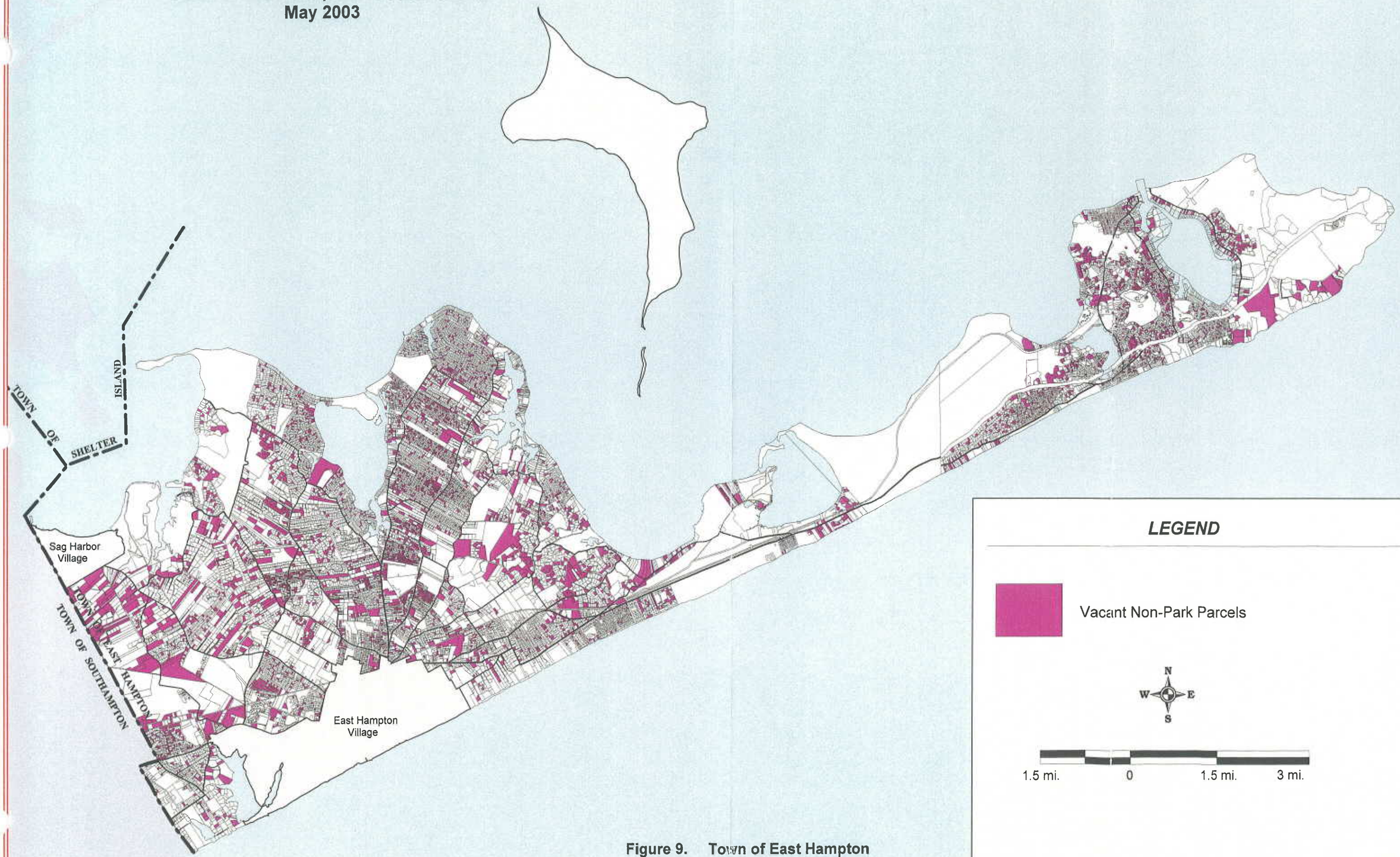
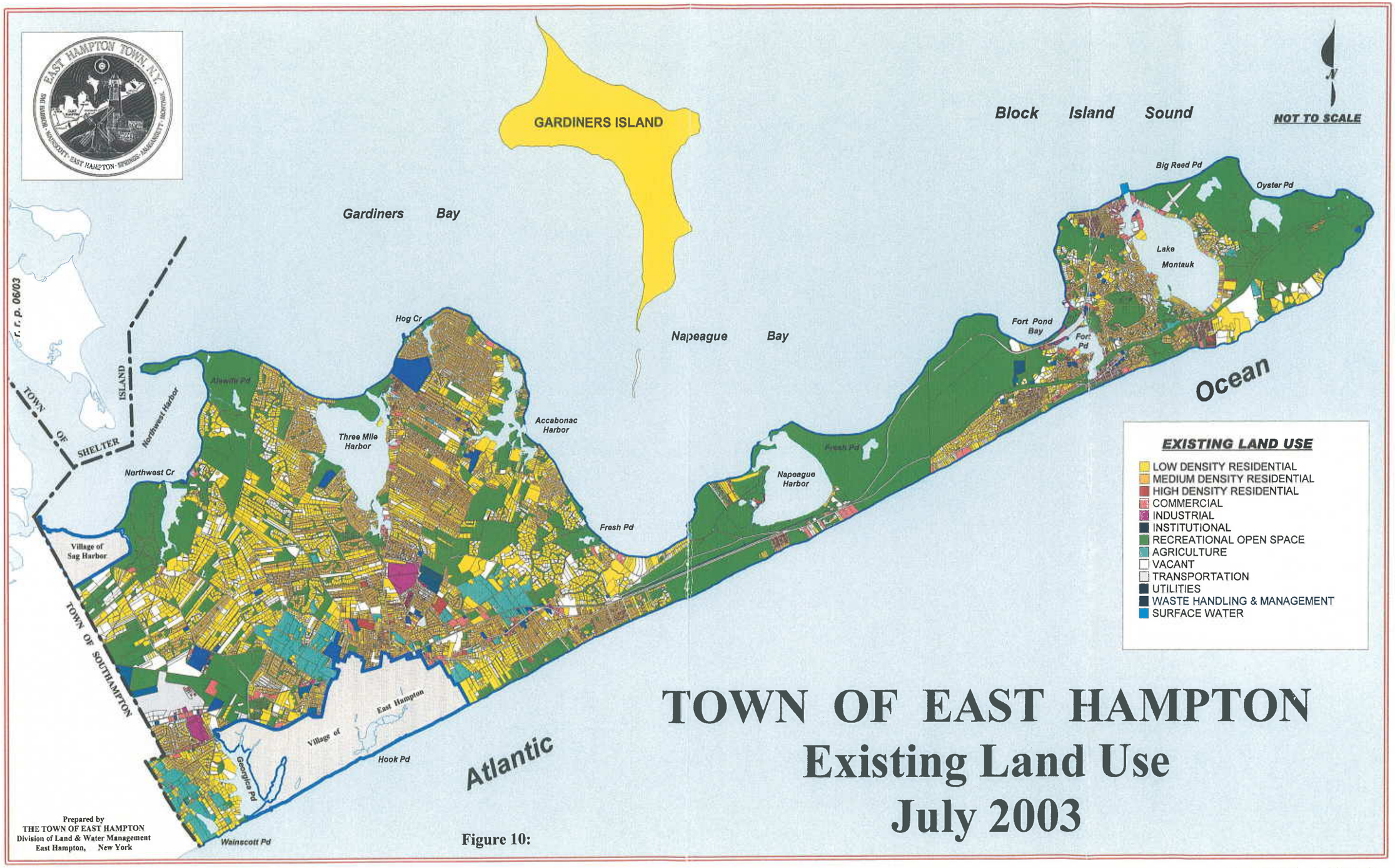


Figure 9. Town of East Hampton Vacant Parcels May 2003

Basemap: Revised SCTM 2002
Produced by EHTNRD B.M. 5/03

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\Vacant parcels as of 5-15-03 B



TOWN OF EAST HAMPTON
Existing Land Use
July 2003

Figure 10:

Land Use\ExistingLandUseSmall

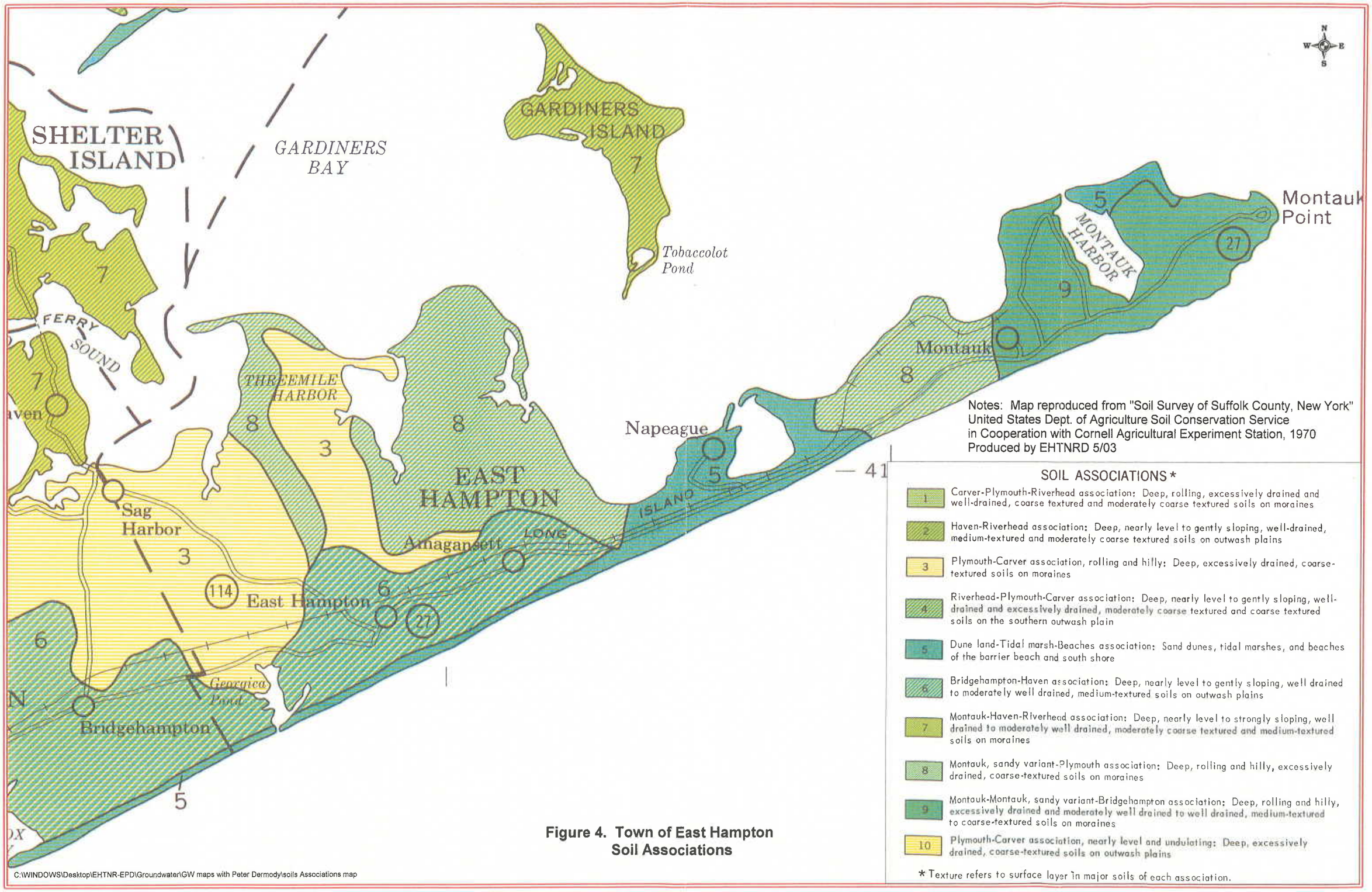
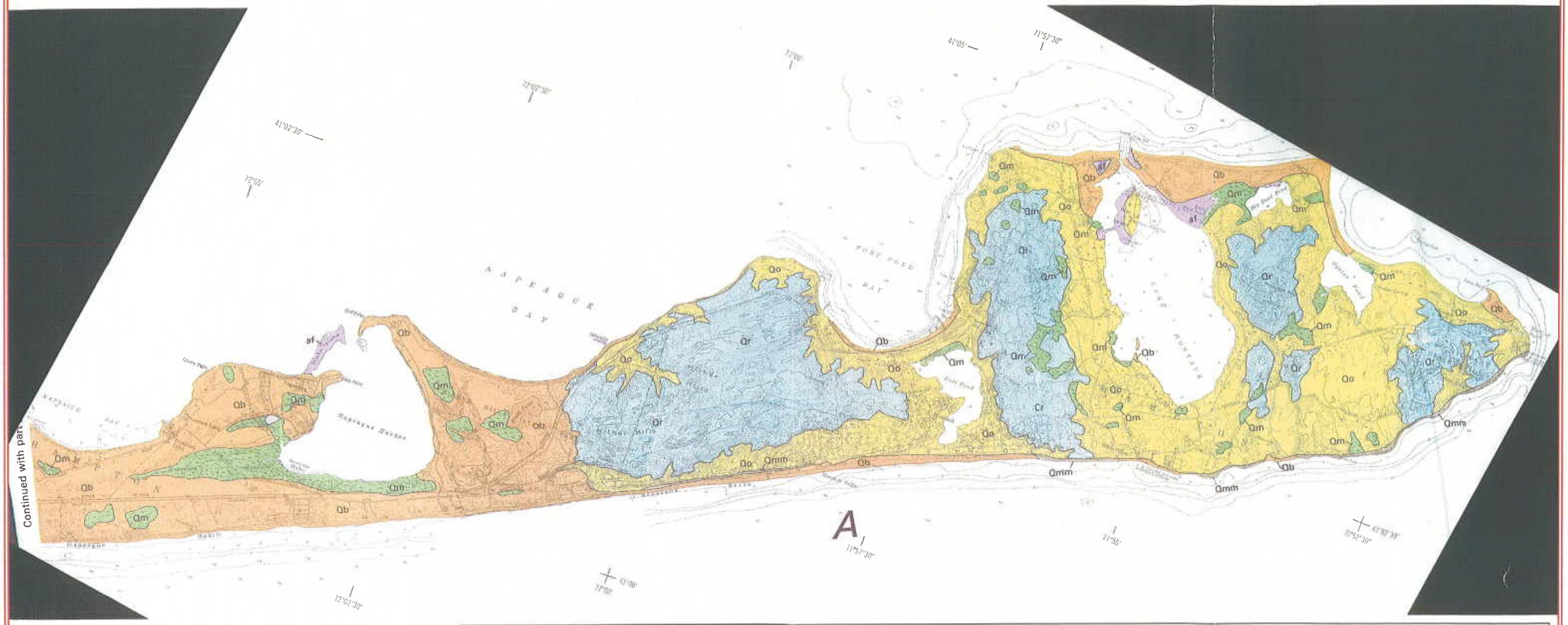


Figure 4. Town of East Hampton Soil Associations

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\soils Associations map



Generalized Surficial Geology of East Hampton

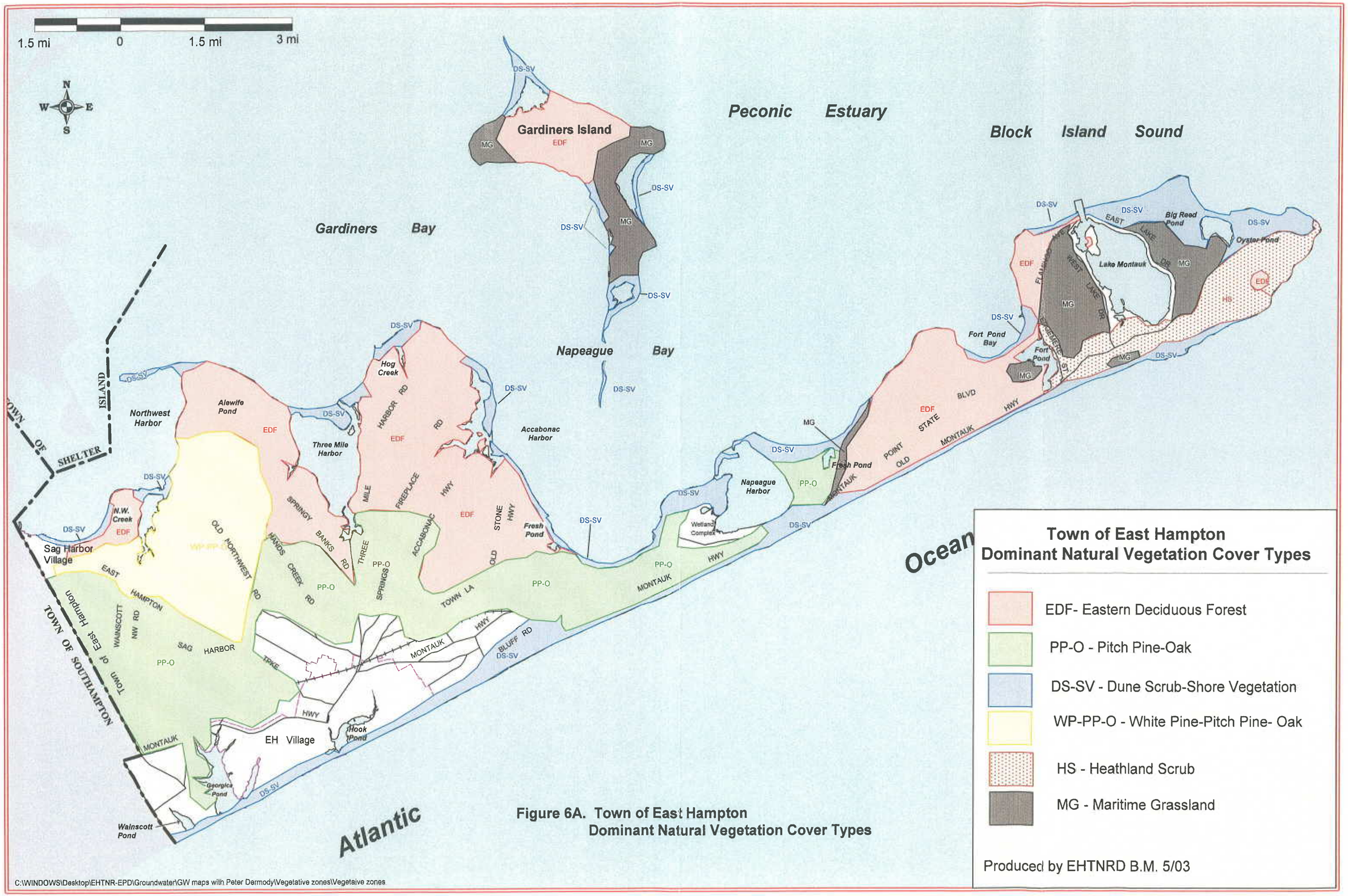
Qb	Beach Deposits
Qm	Marsh Deposits
Qr	Ronkonkoma Drift
Qg	Glaciofluvial Deposits
Qo	Outwash Deposits
Qmm	Montauk Till Member of the Manhasset Formation
af	Artificial Fill

Map reproduced from Generalized Surficial Geology of the South Fork, Suffolk County, New York. Courtesy of USGS, SCDHS, and SCWA

Produced by EHTNRD 5/03

Figure 3A. Town of East Hampton Generalized Surficial Geology

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\scanned soils east



Town of East Hampton
Dominant Natural Vegetation Cover Types

- EDF- Eastern Deciduous Forest
- PP-O - Pitch Pine-Oak
- DS-SV - Dune Scrub-Shore Vegetation
- WP-PP-O - White Pine-Pitch Pine- Oak
- HS - Heathland Scrub
- MG - Maritime Grassland

Figure 6A. Town of East Hampton Dominant Natural Vegetation Cover Types

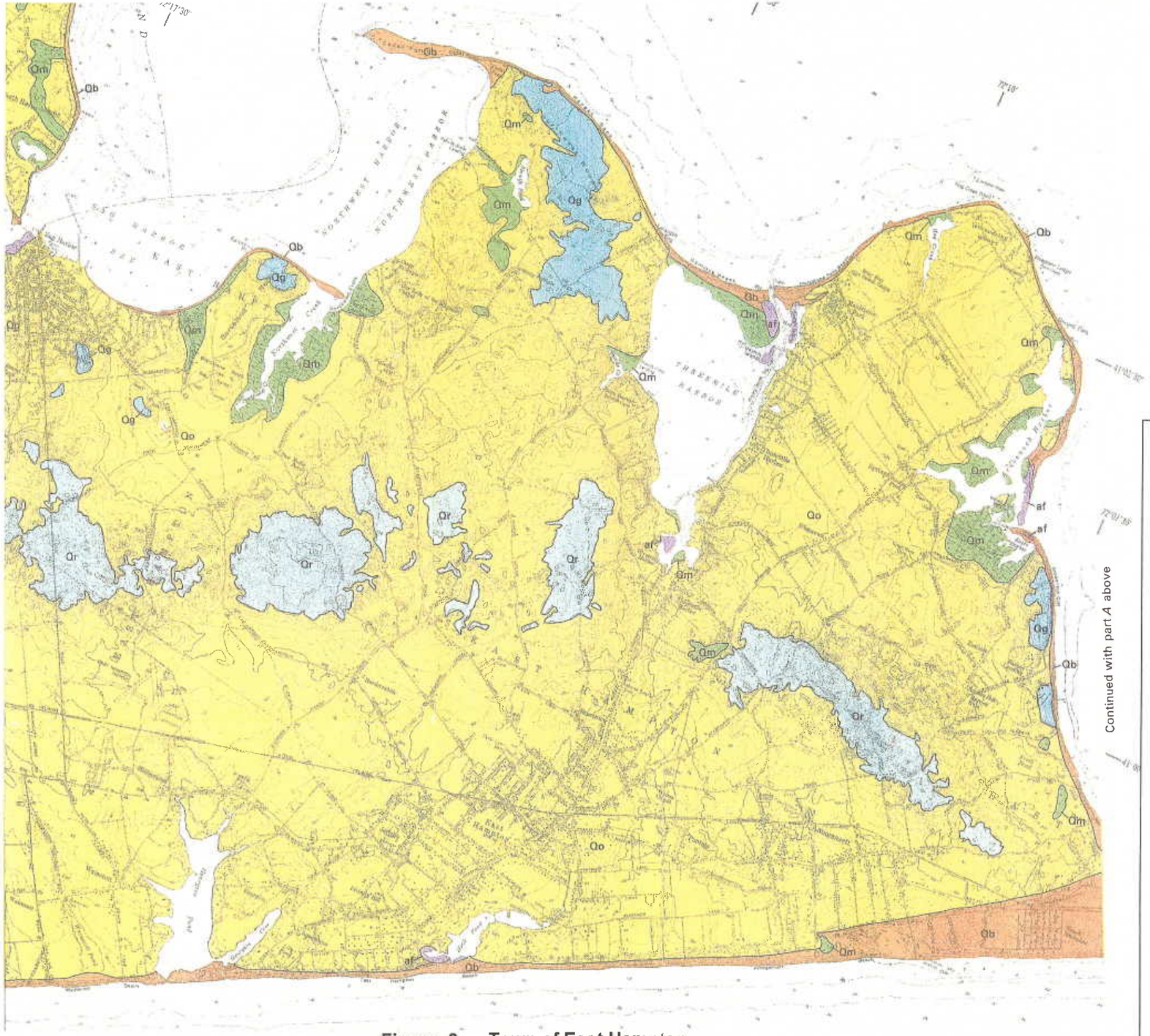


Figure 3. Town of East Hampton Generalized Surficial Geology

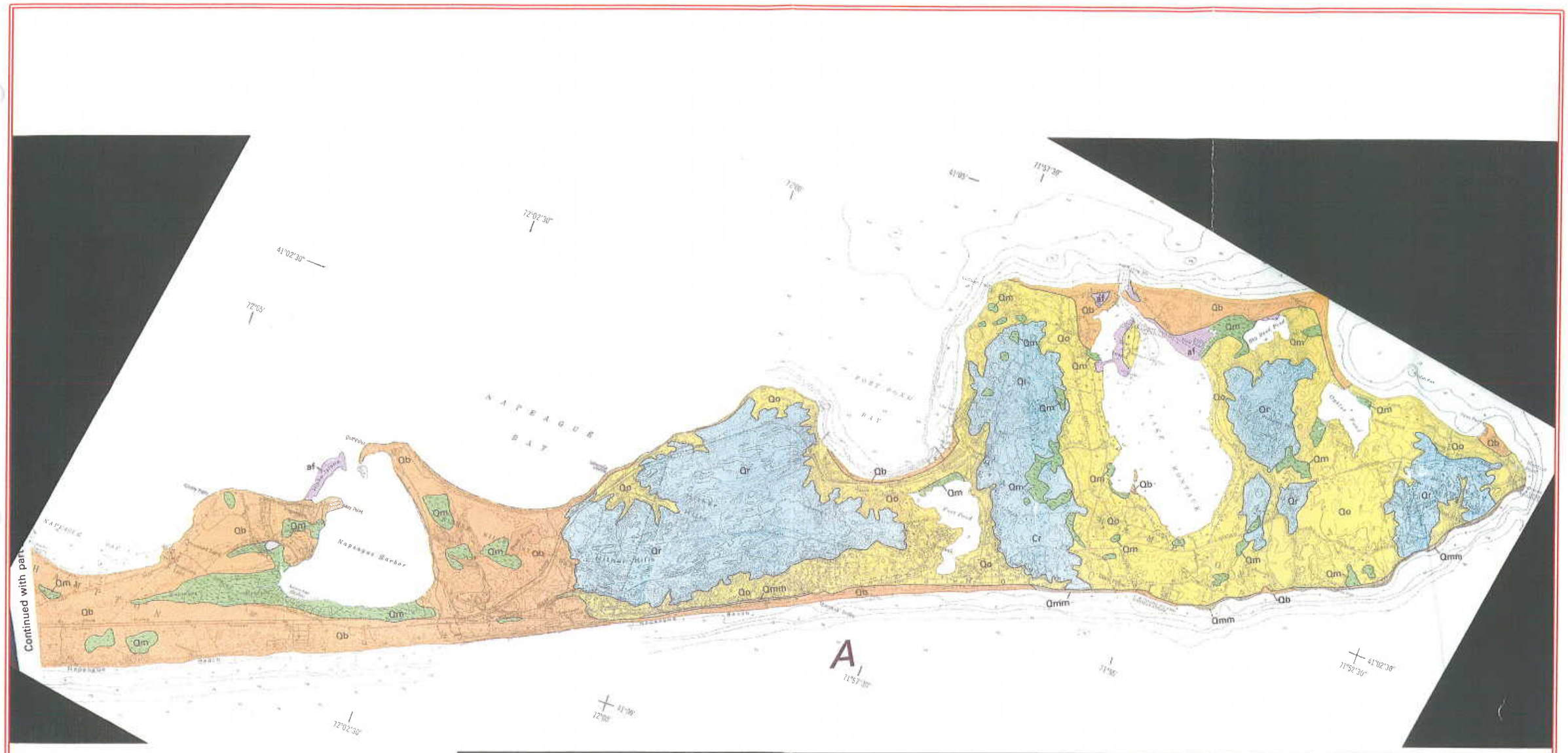
Generalized Surficial Geology of East Hampton

Qb	Beach Deposits
Qm	Marsh Deposits
Qr	Ronkonkoma Drift
Qg	Glaciofluvial Deposits
Qo	Outwash Deposits
Qmm	Montauk Till Member of the Manhasset Formation
af	Artificial Fill

Map reproduced from Generalized Surficial Geology of the South Fork, Suffolk County, New York. Courtesy of USGS, SCDHS, and SCWA

Produced by EHTNRD 5/03

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\scanned soils west



Generalized Surficial Geology of East Hampton

Qb	Beach Deposits
Qm	Marsh Deposits
Qr	Ronkonkoma Drift
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Qo	Outwash Deposits
Qmm	Montauk Till Member of the Manhasset Formation
af	Artificial Fill

Map reproduced from Generalized Surficial Geology of the South Fork, Suffolk County, New York. Courtesy of USGS, SCDHS, and SCWA

Produced by EHTNRD 5/03

Figure 3A. Town of East Hampton Generalized Surficial Geology

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\scanned soils east

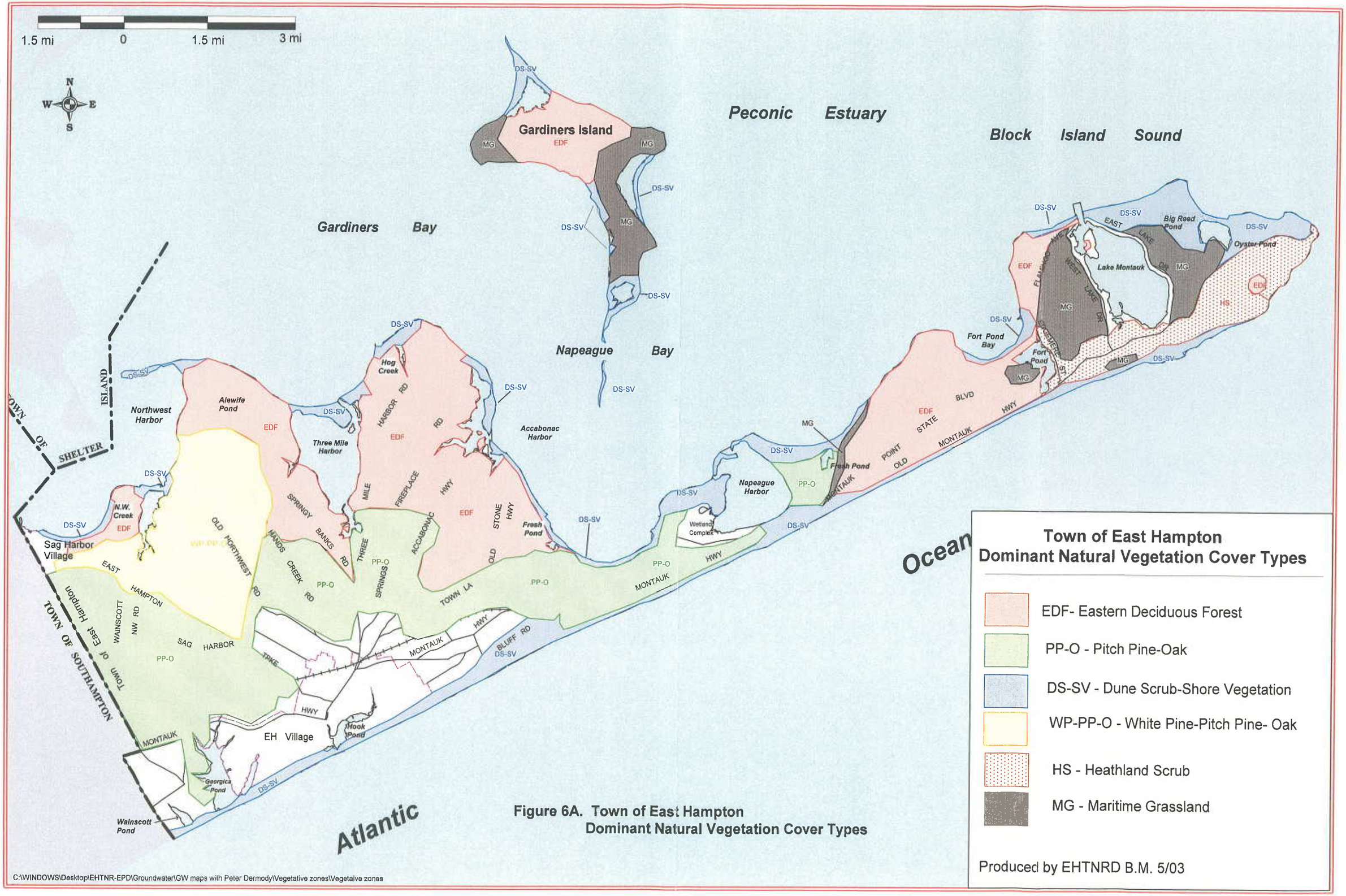


Figure 6A. Town of East Hampton
Dominant Natural Vegetation Cover Types

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\Vegetative zones\Vegetaive zones

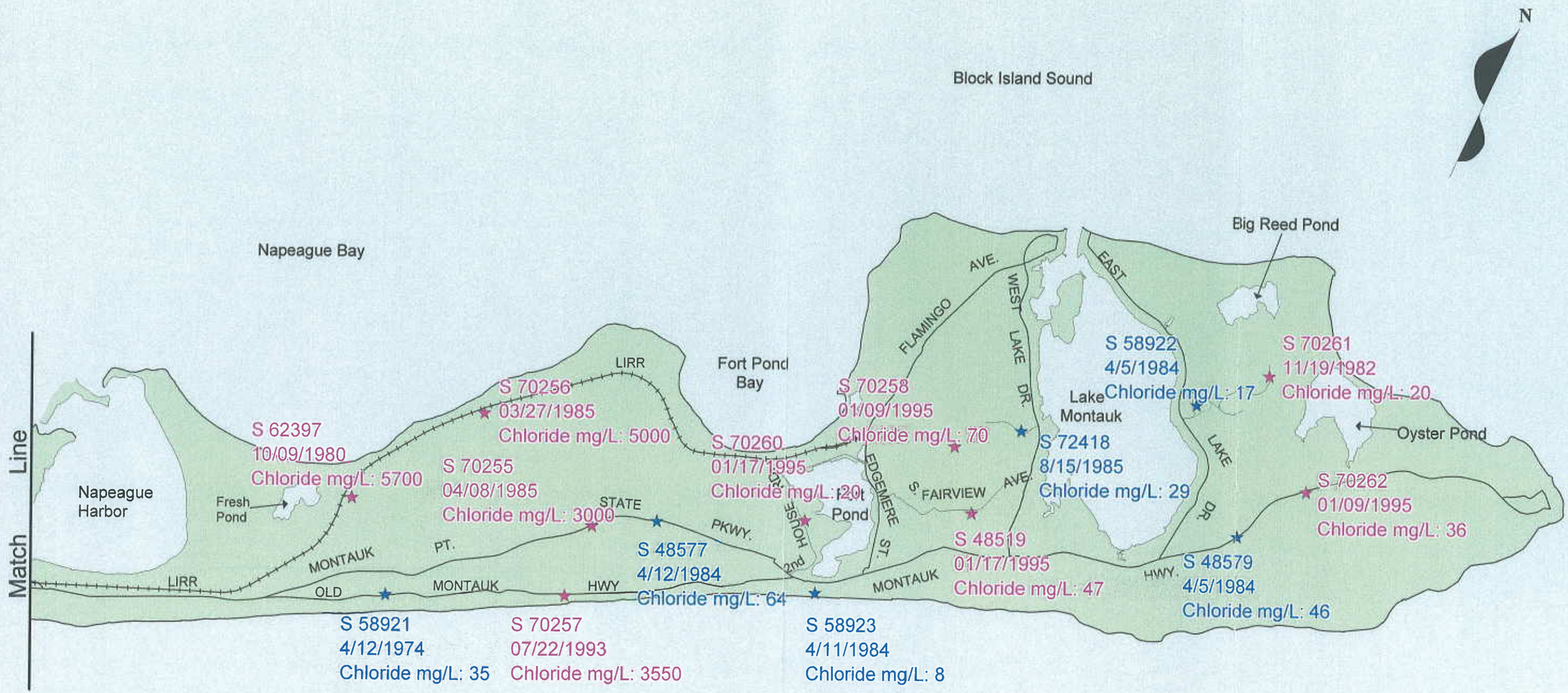


Figure 32. Town of East Hampton Groundwater Chloride Samples Section: East Montauk

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\SCDHS & USGS wells east chloride map

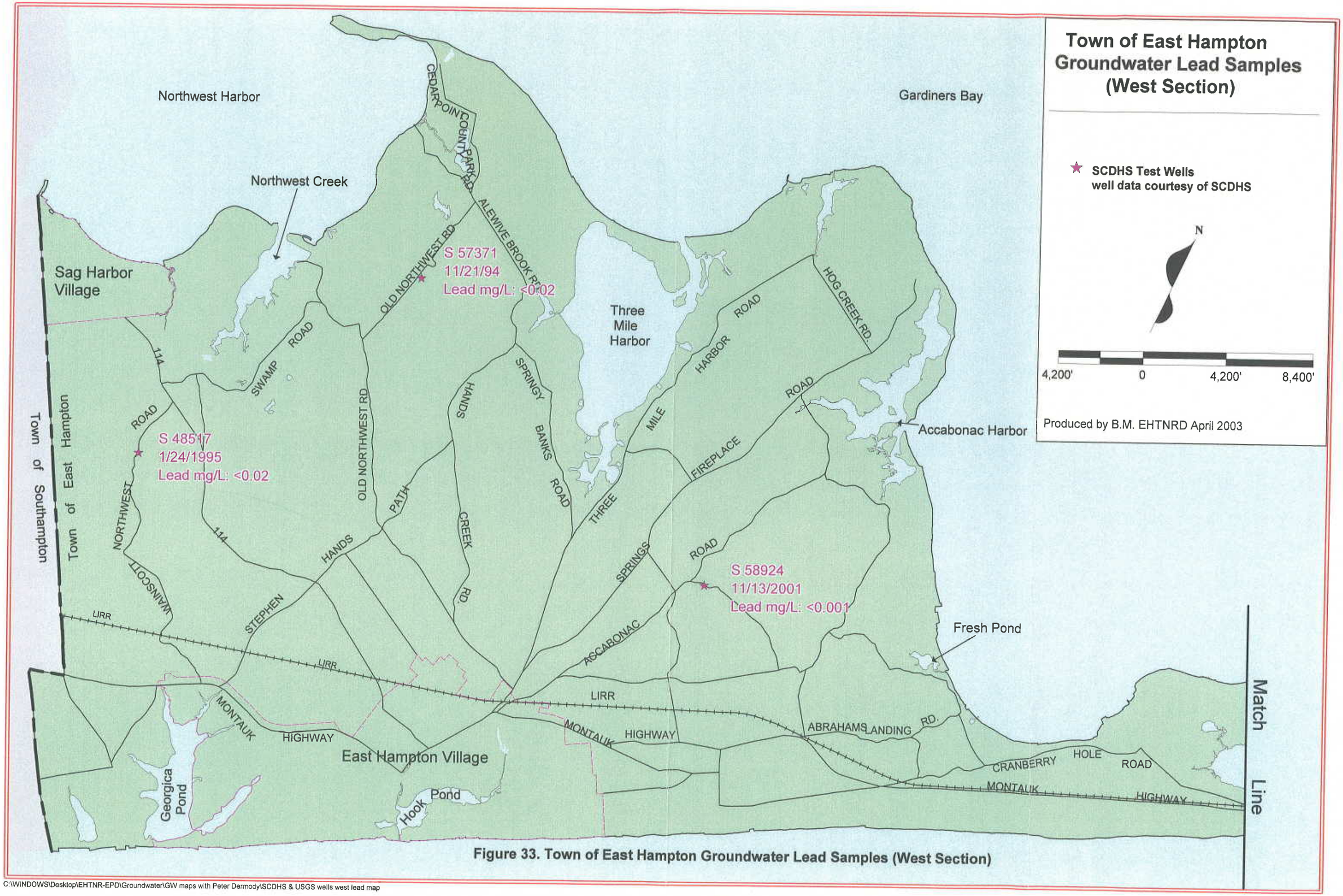


Figure 33. Town of East Hampton Groundwater Lead Samples (West Section)

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\SCDHS & USGS wells west lead map

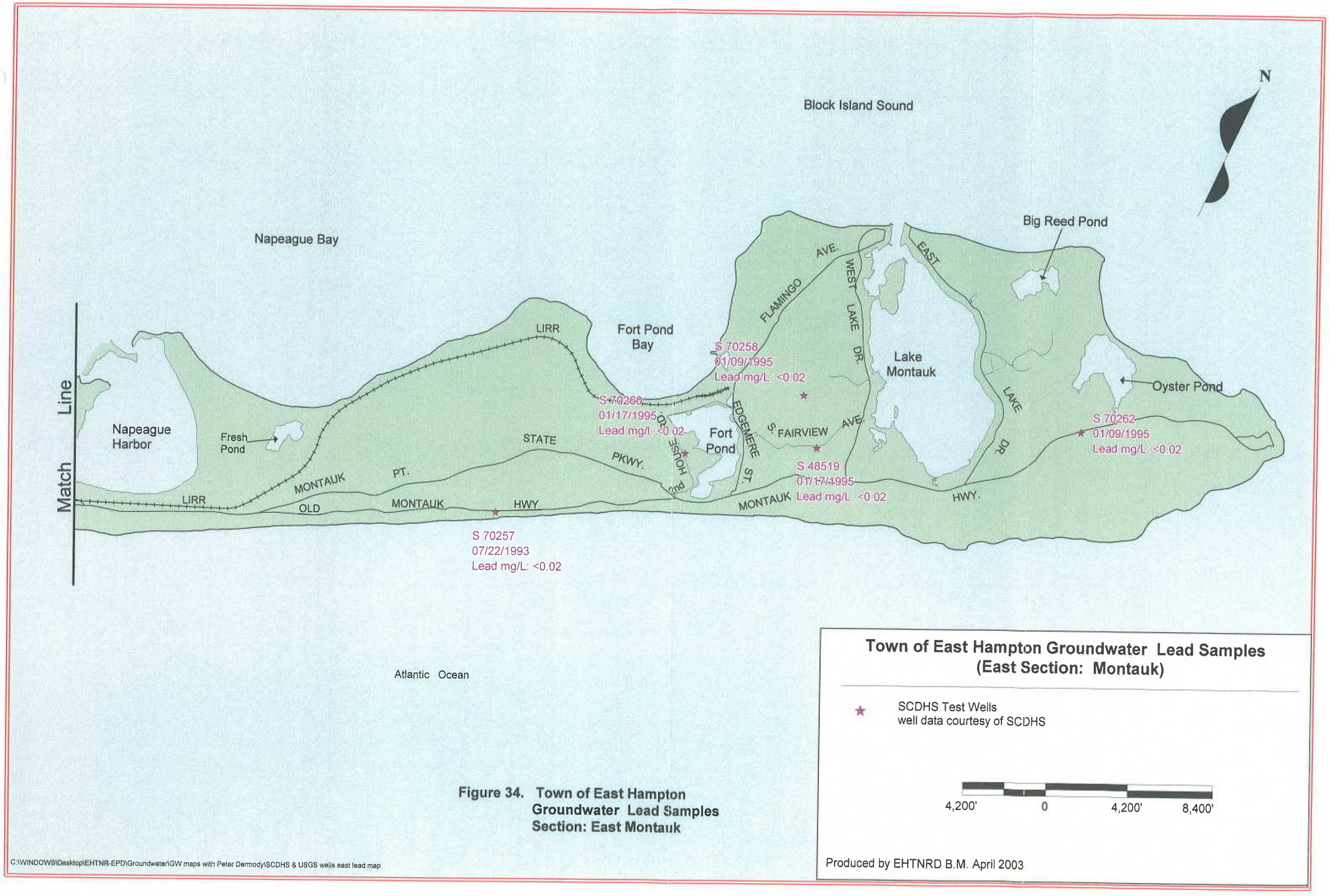


Figure 34. Town of East Hampton Groundwater Lead Samples Section: East Montauk

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\SCDHS & USGS wells east lead map

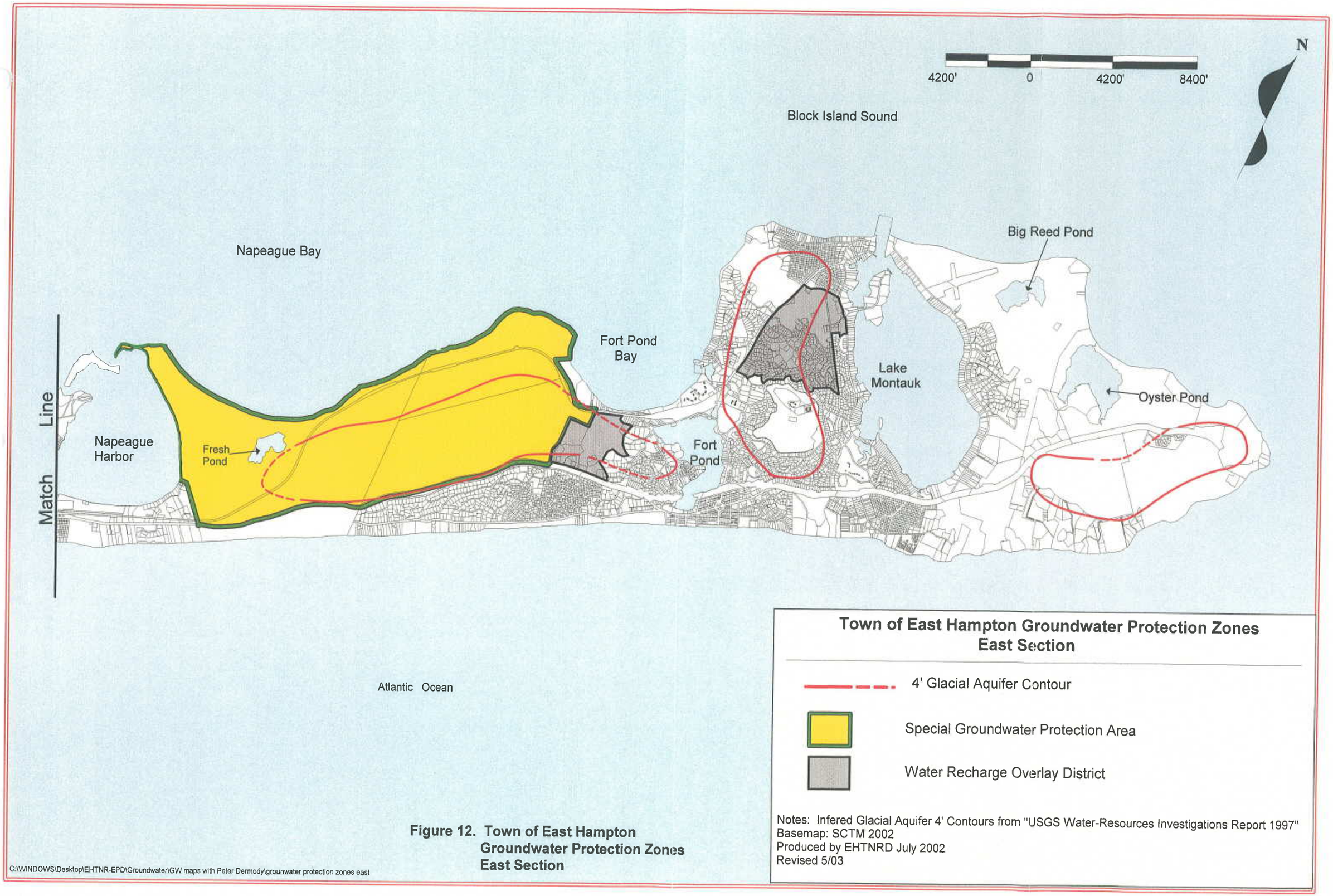


Figure 12. Town of East Hampton Groundwater Protection Zones East Section

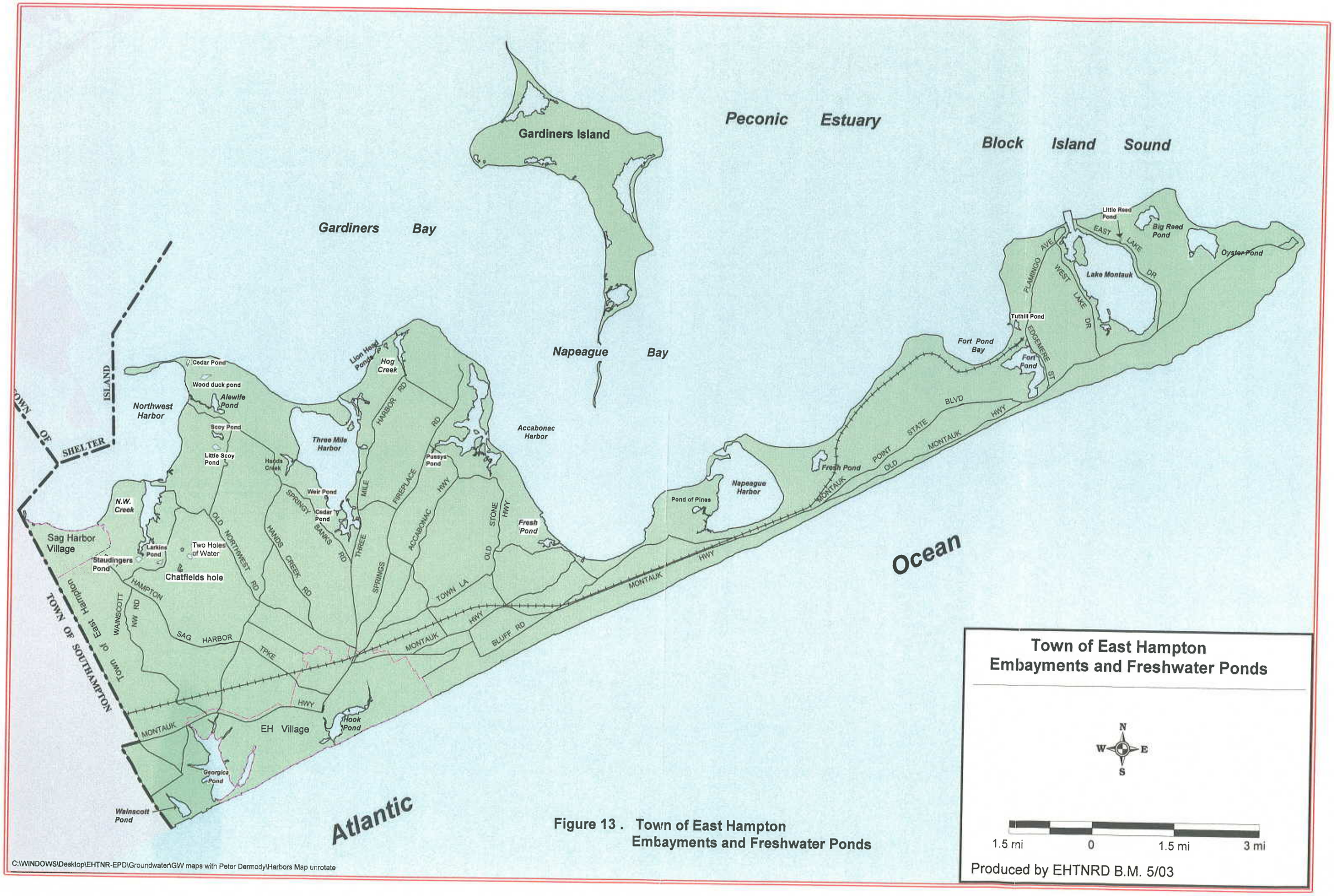


Figure 13 . Town of East Hampton Embayments and Freshwater Ponds

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Darmody\Harbors Map unrotate

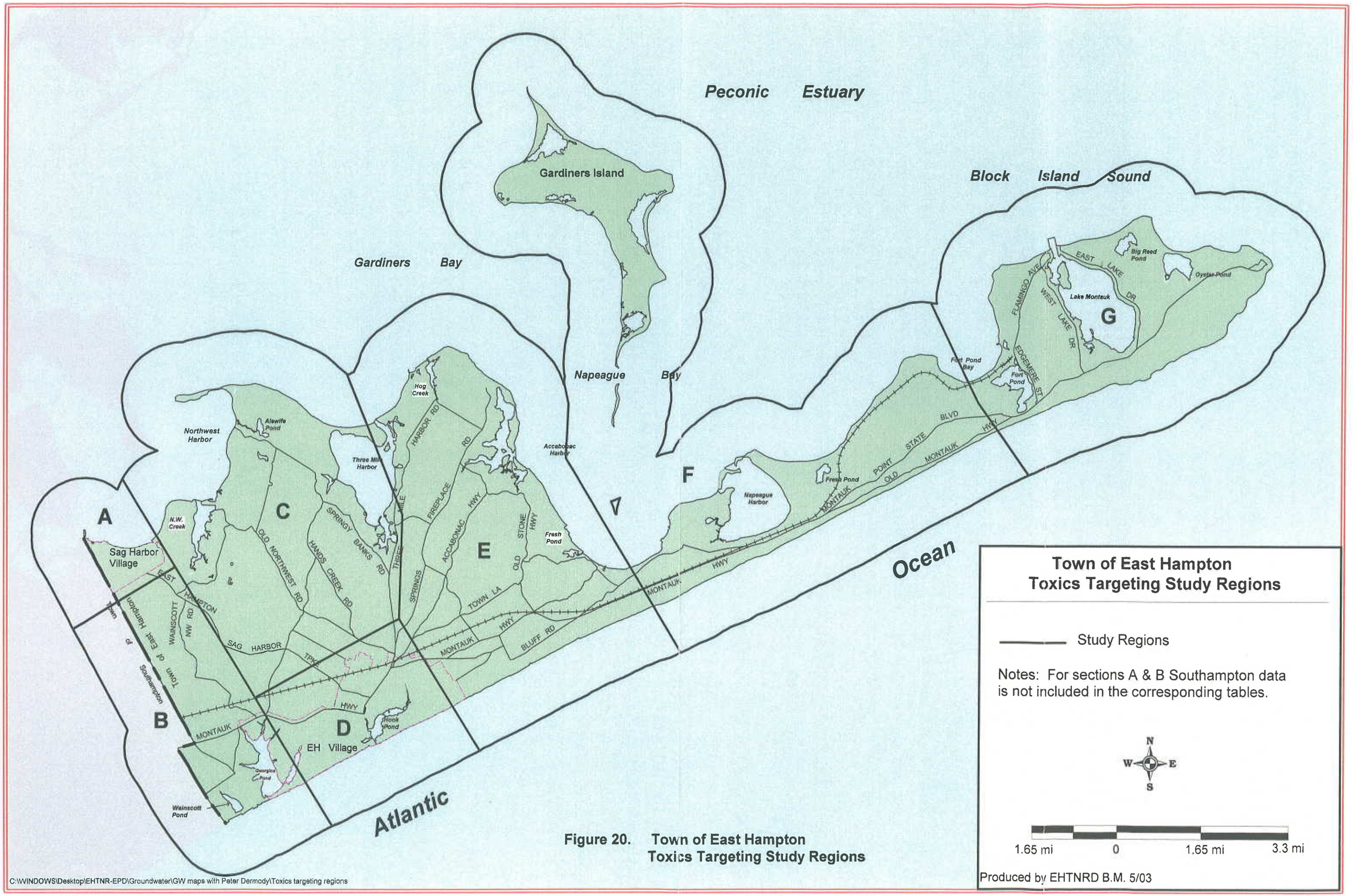


Figure 20. Town of East Hampton Toxics Targeting Study Regions

Town of East Hampton Toxics Targeting Study Regions

Study Regions

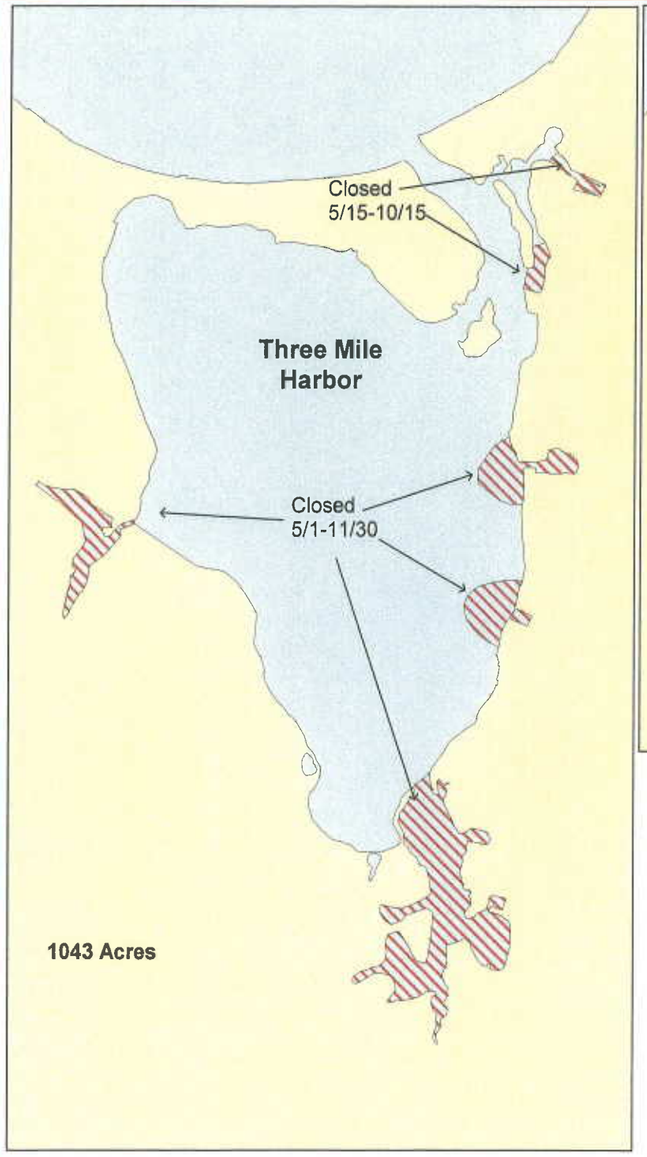
Notes: For sections A & B Southampton data is not included in the corresponding tables.

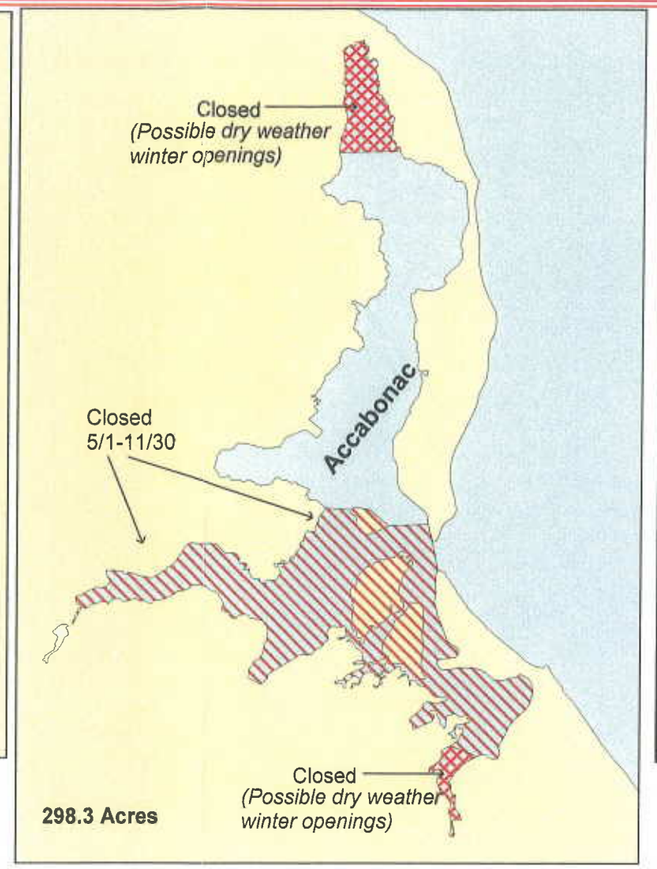
N W E S

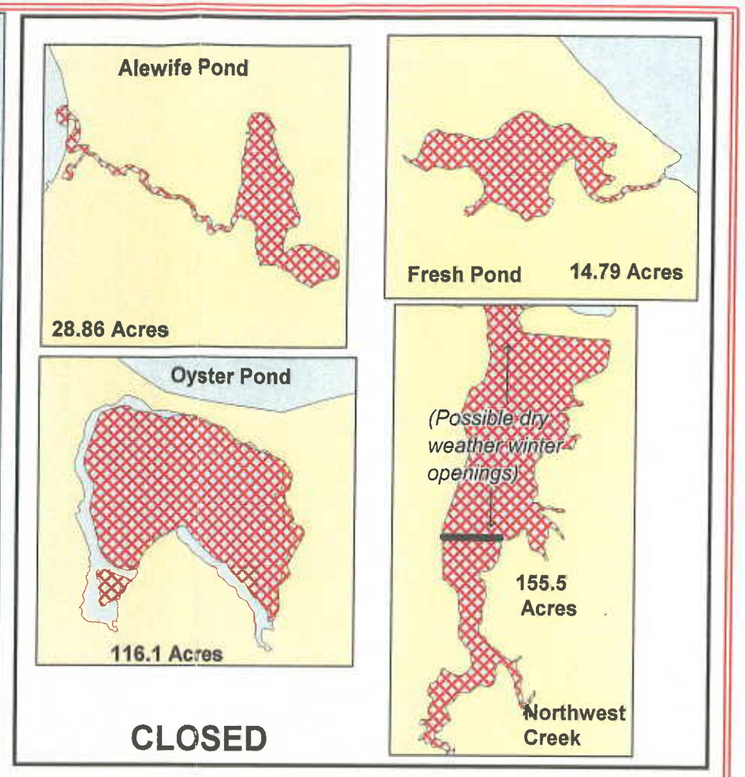
1.65 mi 0 1.65 mi 3.3 mi

Produced by EHTNRD B.M. 5/03

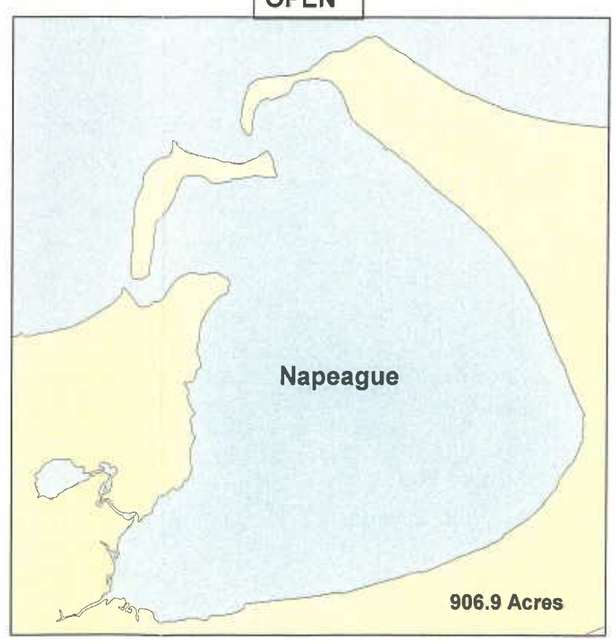
C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\Toxics targeting regions







OPEN



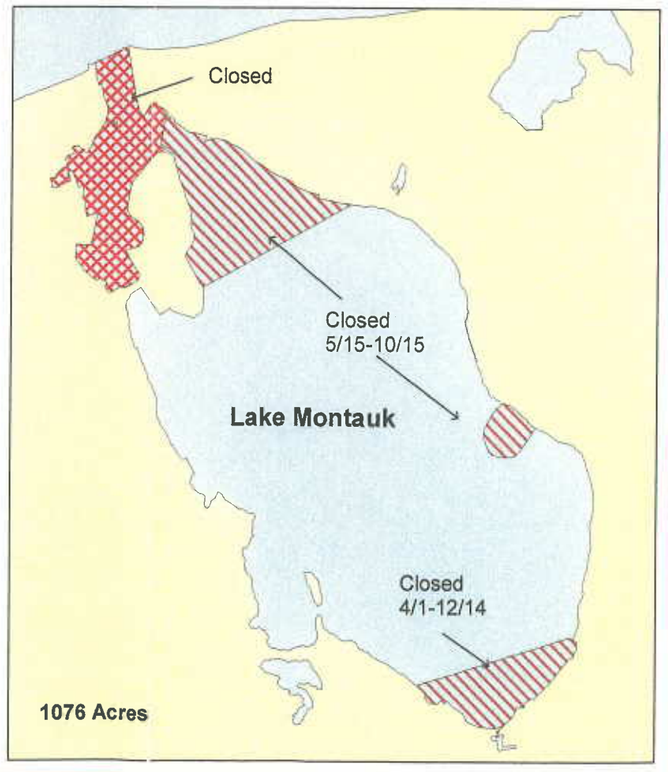


Figure 13A . Town of East Hampton Shellfish Closures Throughout its Harbors

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\Open and closed shellfish areas

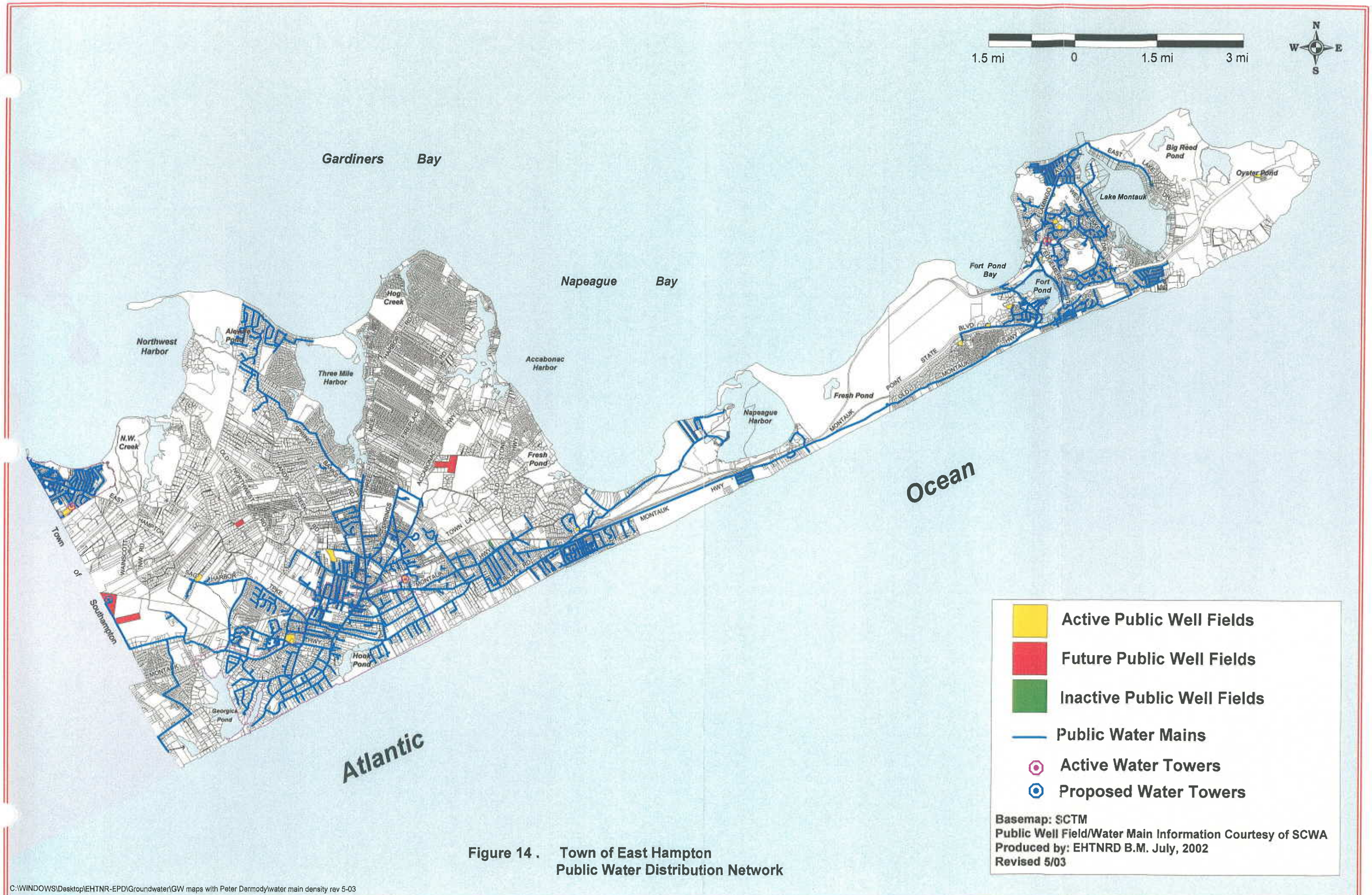


Figure 14 . Town of East Hampton
Public Water Distribution Network

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\water main density rev 5-03

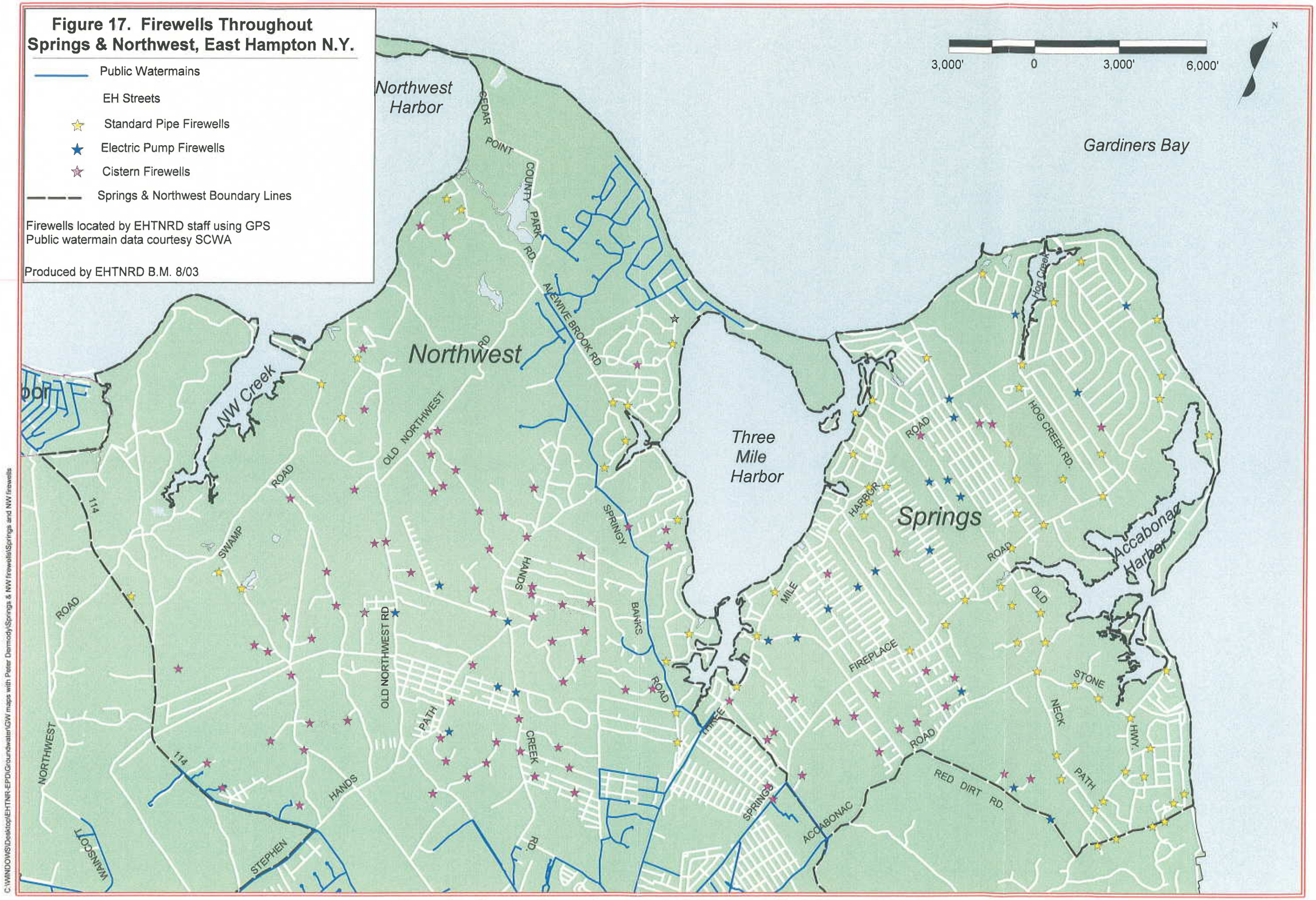


Figure 17. Firewells Throughout Springs & Northwest, East Hampton N.Y.

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\Springs & NW firewells\Springs and NW firewells

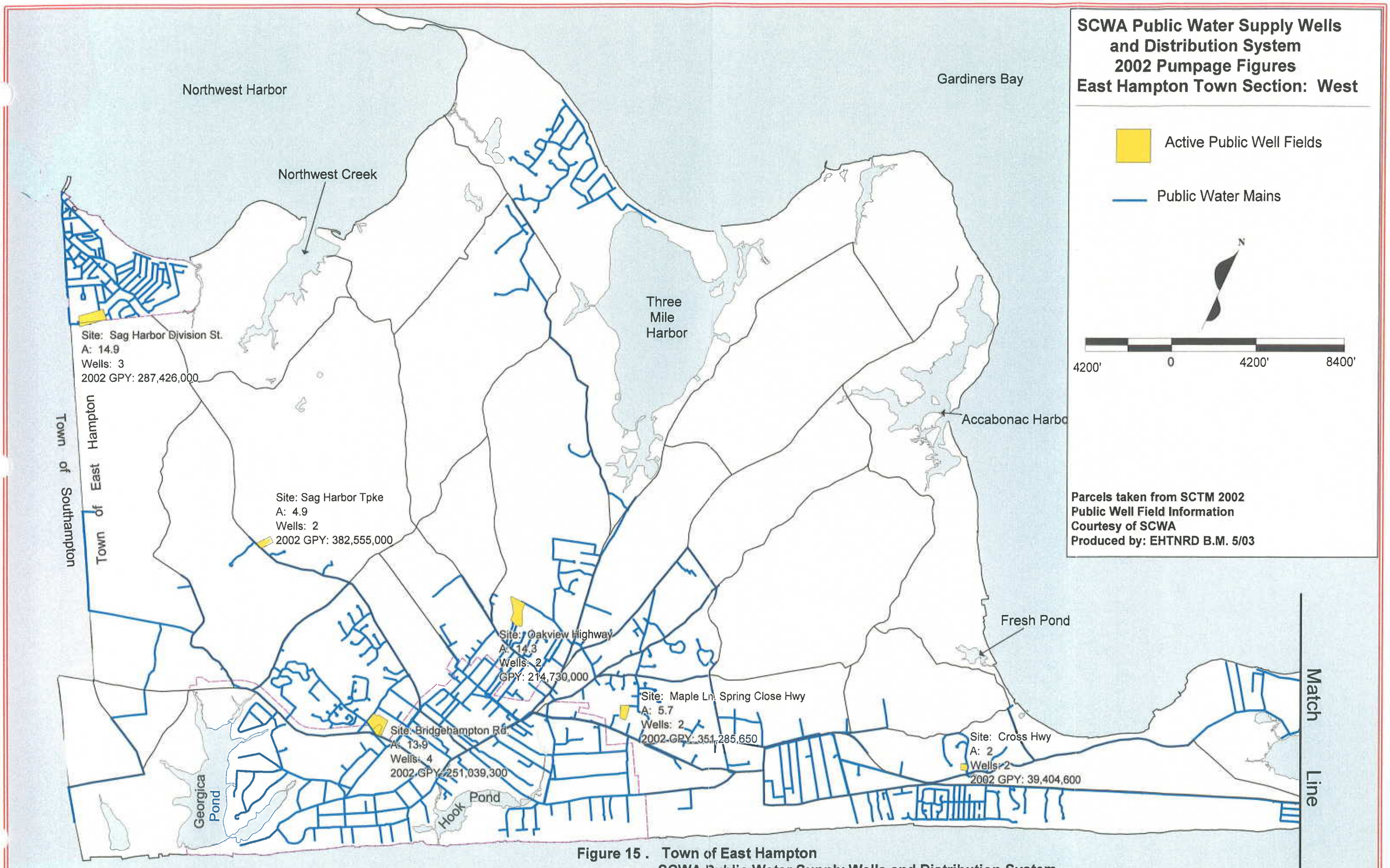
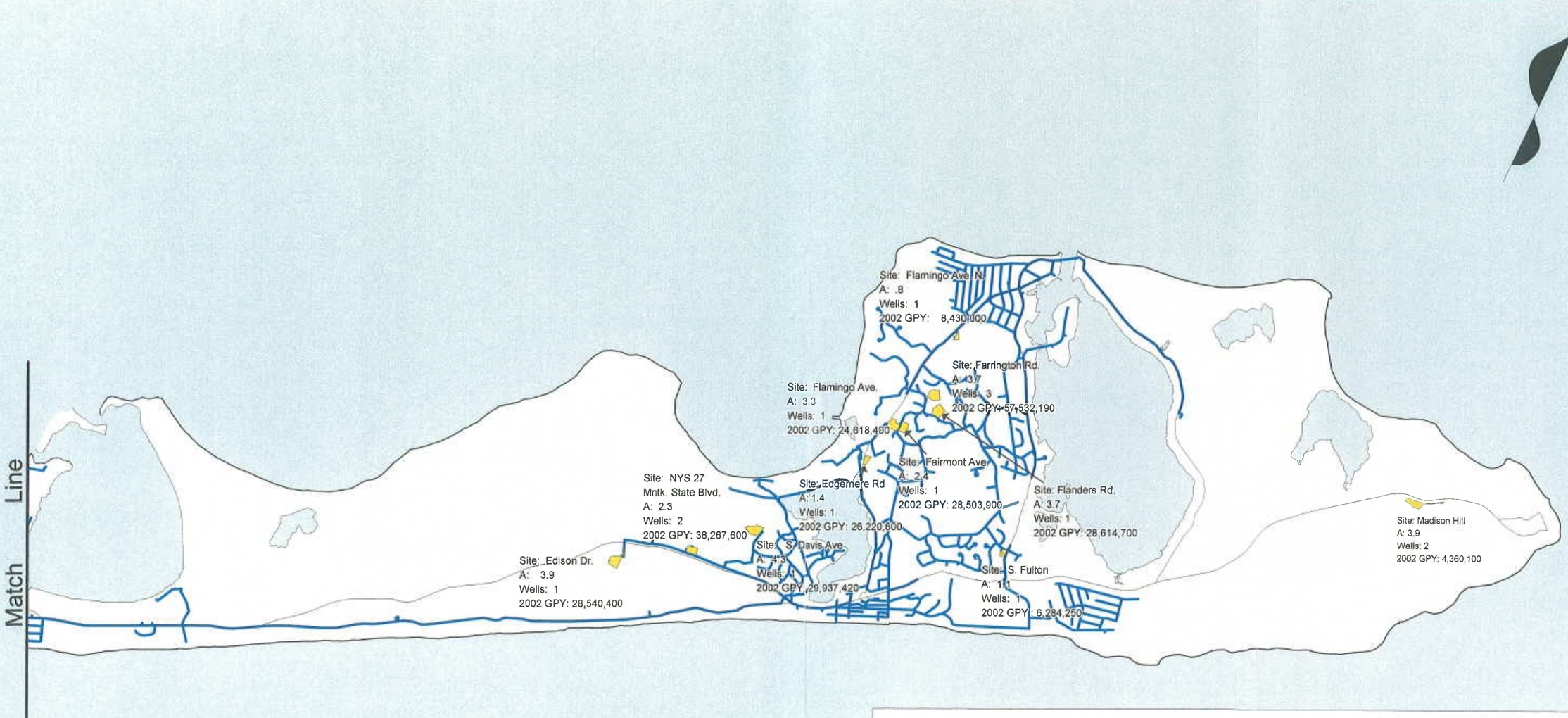


Figure 15 . Town of East Hampton
SCWA Public Water Supply Wells and Distribution System
2002 Pumpage Figures
Section: West

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\Public Water Supply wells west 2002 data



SCWA Public Water Supply Wells 2002 Pumpage Figures and Distribution System in East Hampton Town Section: East

Active Public Well Fields

Public Water Mains

4200' 0 4200' 8400'

Figure 16 . Town of East Hampton
SCWA Public Water Supply Wells
2002 Pumpage Figures and Distribution System
Section: East

Parcels taken from SCTM 2002
Public Well Field/Mater Main Information Courtesy of SCWA
Produced by: EHTNRD B.M. 5/03

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\Public Water Supply wells east 2002 data

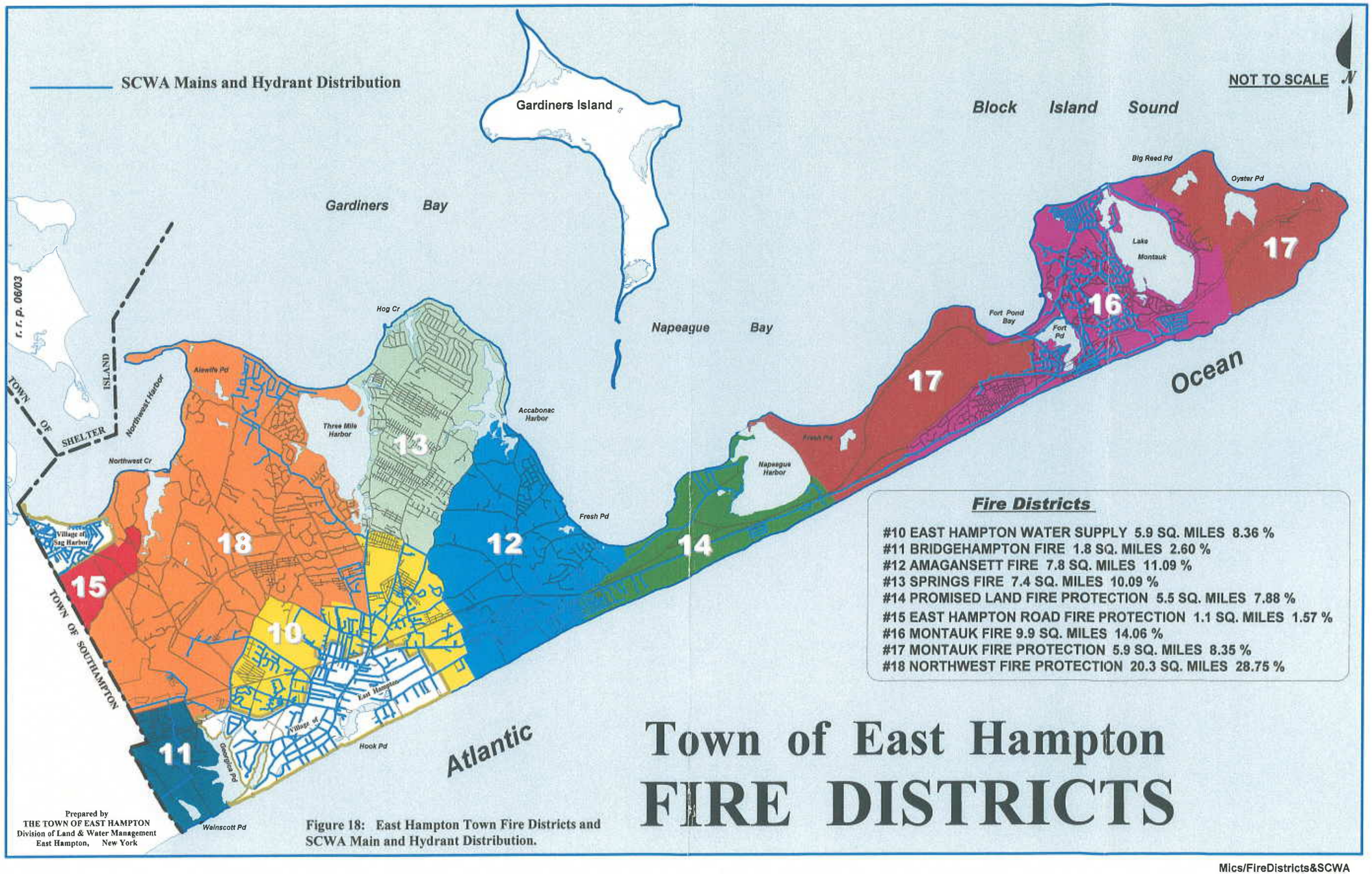
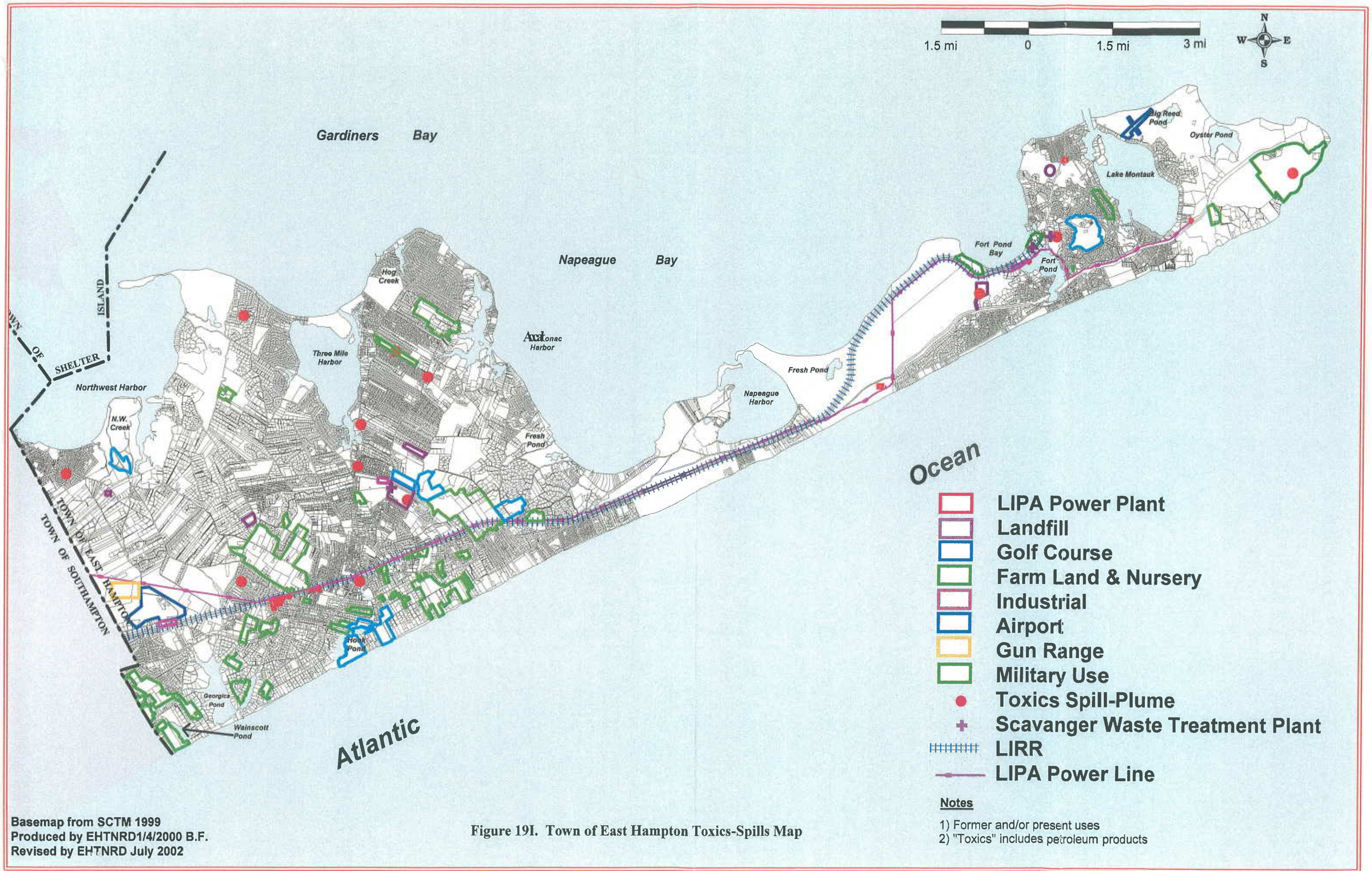


Figure 18: East Hampton Town Fire Districts and SCWA Main and Hydrant Distribution.

Mics/FireDistricts&SCWA



Basemap from SCTM 1999
Produced by EHTNRD1/4/2000 B.F.
Revised by EHTNRD July 2002

Figure 19I. Town of East Hampton Toxics-Spills Map

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\environmental hazards map B

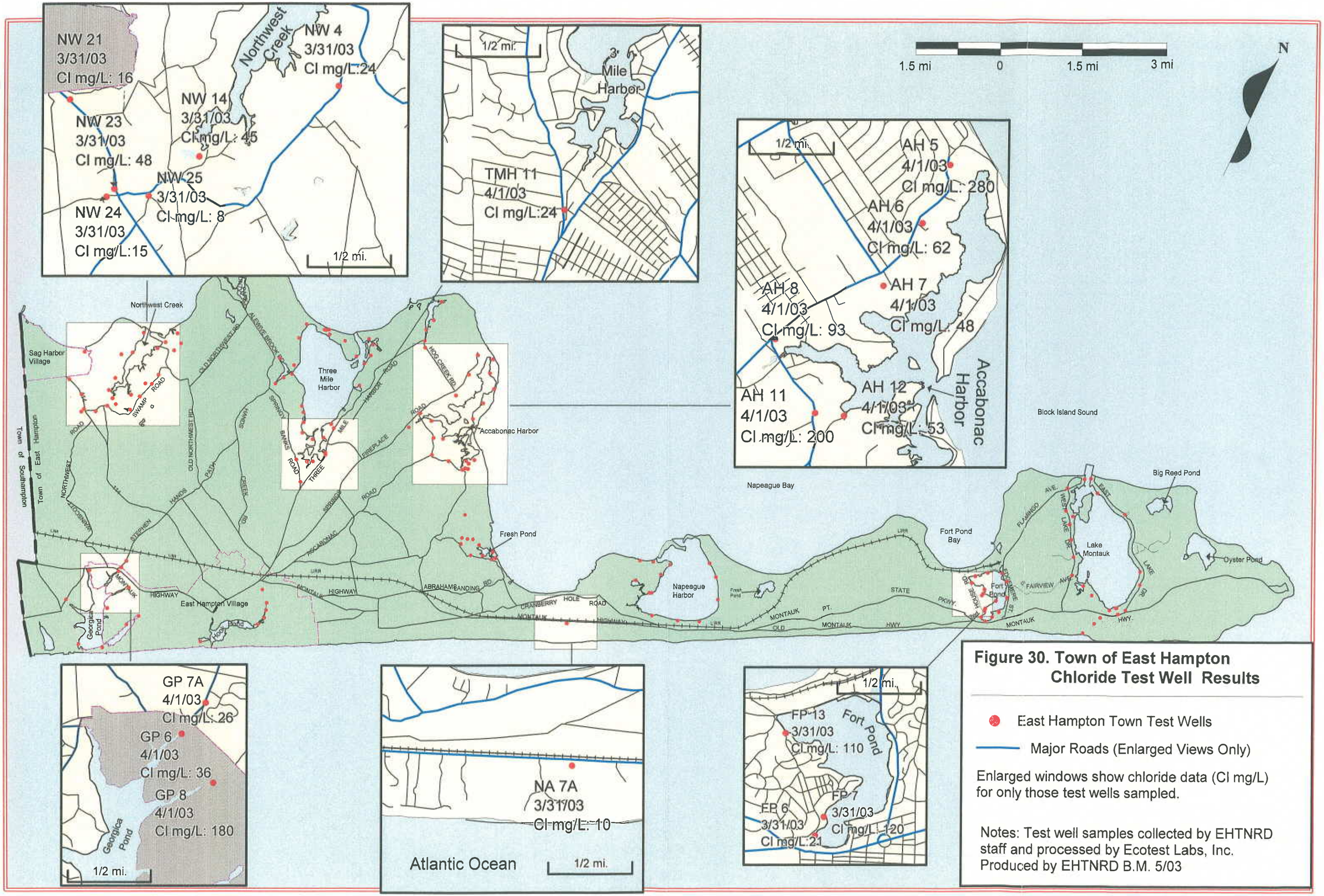


Figure 30. Town of East Hampton Chloride Test Well Results

C:\WINDOWS\Desktop\...-EPD\GroundwaterGW maps with Peter Dermody\EHT Testwell data resized

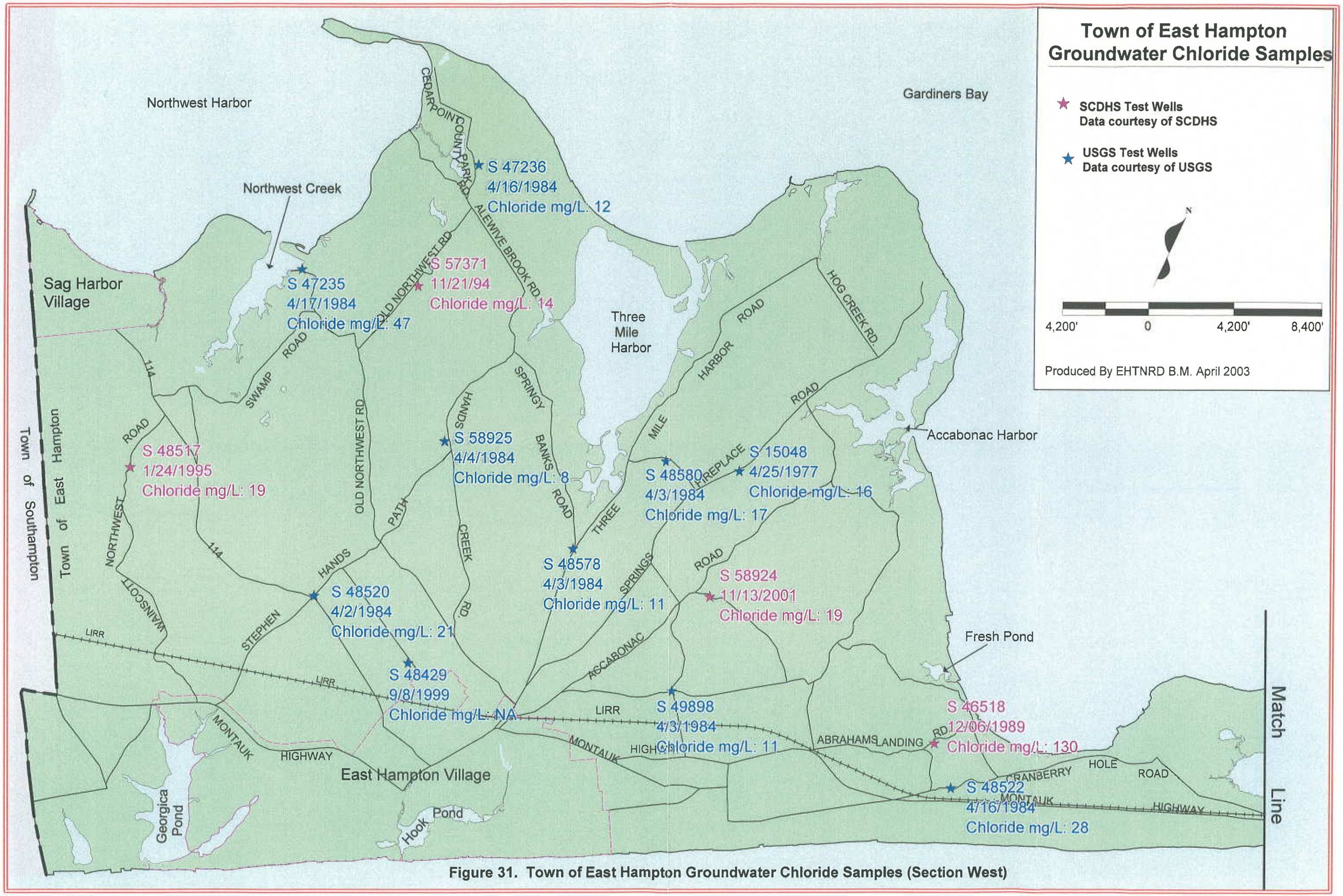


Figure 31. Town of East Hampton Groundwater Chloride Samples (Section West)

C:\WINDOWS\Desktop\EHTNR-EPD\Groundwater\GW maps with Peter Dermody\SCDHS & USGS wells west chloride map

Figure 20A. Bulova Factory, Sag Harbor, NY (Superfund Site), Air-stripped and Sparged

Figure 20B. Rowe Industries, Sag Harbor, NY (Superfund Site), Active Air-stripping Tower

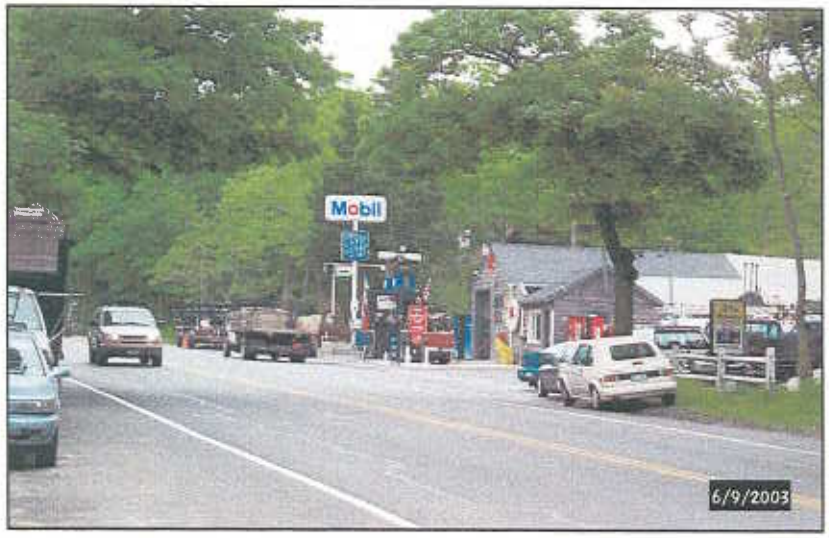


Figure 20C. Harbor Heights Mobil Station, Sag Harbor, NY. Tank Leak, Air-stripping Completed

Figure 20D. Sam's Auto, Springs, East Hampton, NY. Tank Leak, Sparging Completed

Figure 21. B and G Golf Course, East Hampton, NY

Figure 22. Montauk Downs Golf Course, Montauk, NY

Figure 23 . Maidstone Club Golf Course, East Hampton Village, NY

Figure 24 . South Fork Golf Course, Amagansett, NY

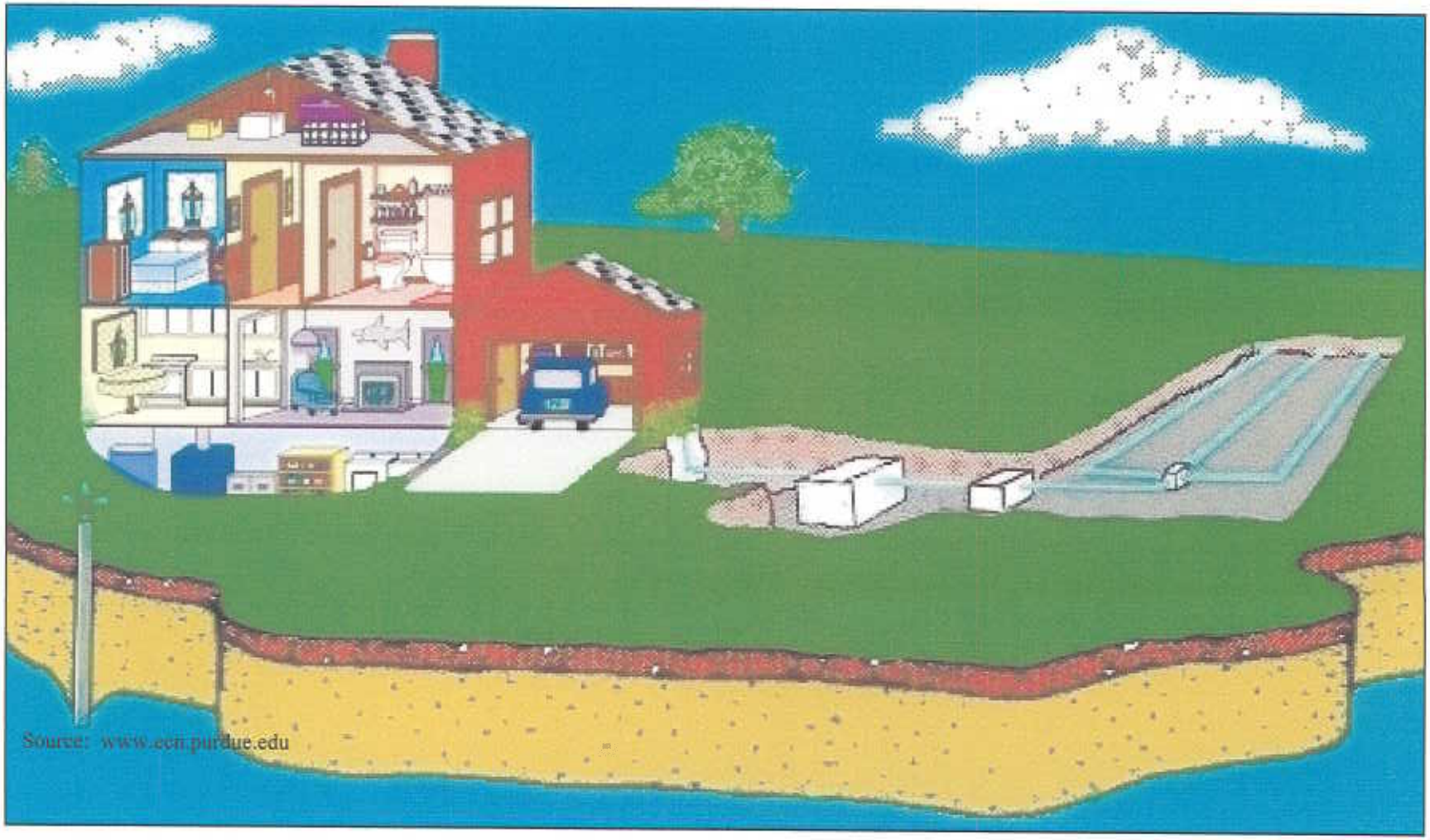


Figure 25 . Conventional Waste Disposal System

Figure 25A. Community Septic Leaching Field, Montauk Shores Condominium

Figure 25B. Community Septic Leaching Field, Three Mile Harbor Trailer Park

Figure 25E. Scavenger Waste Treatment Plant, Effluent Disposal and Leaching Field, Springs, East Hampton, NY

Figure 25F. Denitrification Septic System, Georgica Estates East Hampton Village (two views)

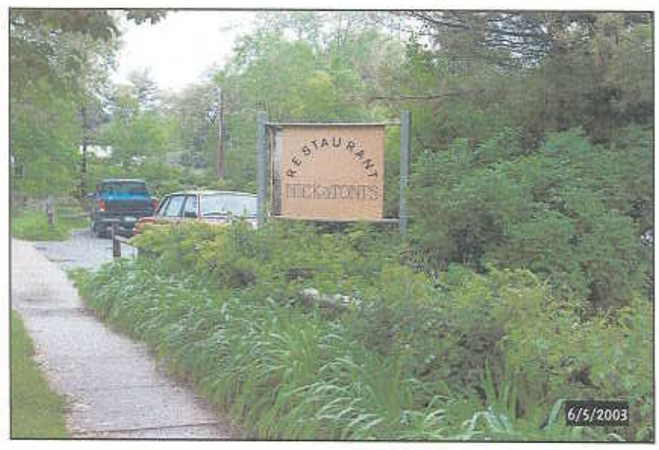


Figure 25G. Denitrification Septic System, Nick and Toni's Restaurant, East Hampton (two views)

Figure 26A. Road Salt on Pantigo Place Parking Area, 2003, East Hampton, NY. Draining into LCBs

Figure 26B. Road Salt Accumulating on Pantigo Place Parking Area, 2003

Figure 27A. Road Salt-burned Vegetation, Three Mile Harbor Rd., 2003, East Hampton, NY

Figure 27B. Road Salt-burned Vegetation, Three Mile Harbor Rd., East Hampton, NY

Figure 28A. Water Table Rise Onto Swamp Road, NW. Not Appropriate for Leaching Catchment Basin

Figure 28B. Springy Banks Rd. at Oyster Shores Rd., NW. Road Runoff Taken by Wooded Depression

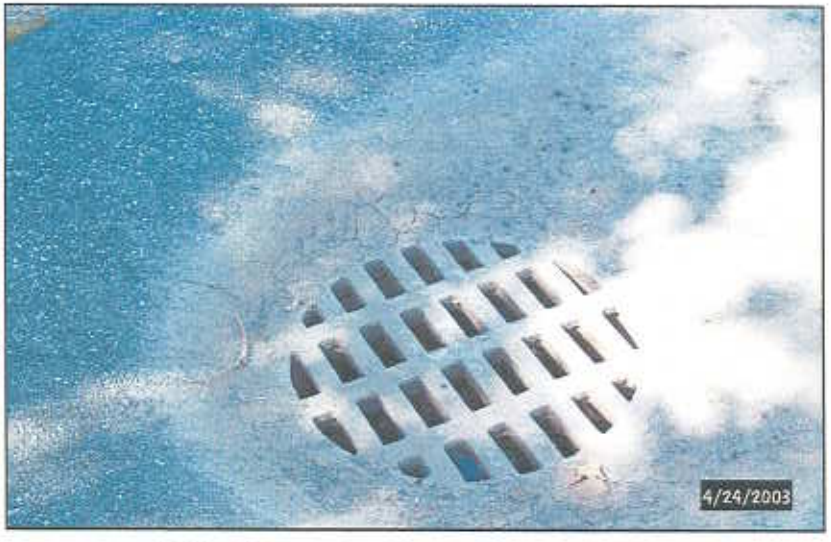


Figure 28C. Leaching Catchment Basin on Old Stone Hwy., Springs. In Water Table

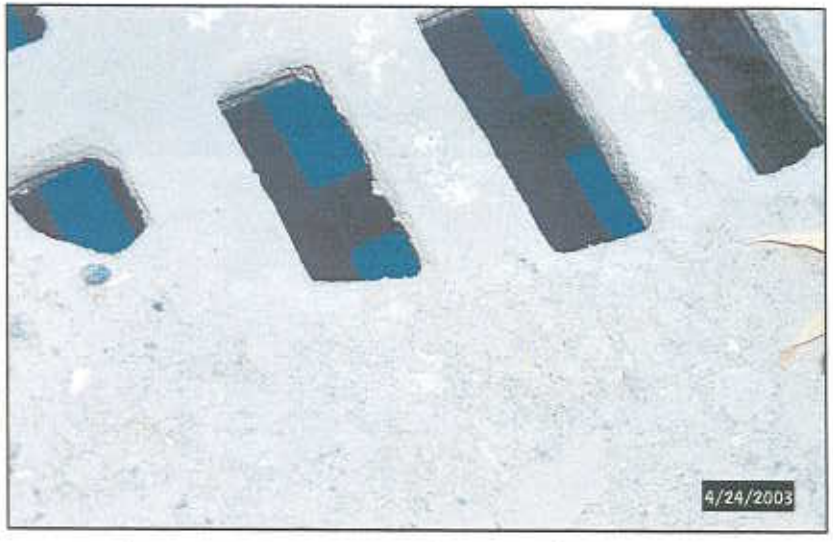


Figure 28D. Same Catchment Basin Showing Water with Mosquito Larvae

Figure 17A. North Woods Community, NW, East Hampton, NY. Site of Solvent Spill

Figure 17B. North Woods Community, Showing New Fire Hydrant, Connected to SCWA Water Main

Figure 17C. Electric Standpipe Fire Well, Town Line Road

Figure 17D. Georgica Pond, Wainscott. A Fire Fighting Reservoir

Figure 19A. Uncapped Springs Fireplace Landfill, Springs, East Hampton, NY.

Figure 19B. Capped Montauk Landfill, Montauk, NY.

Figure 19C. Uncapped Springs Fireplace Landfill GROSS!!!!

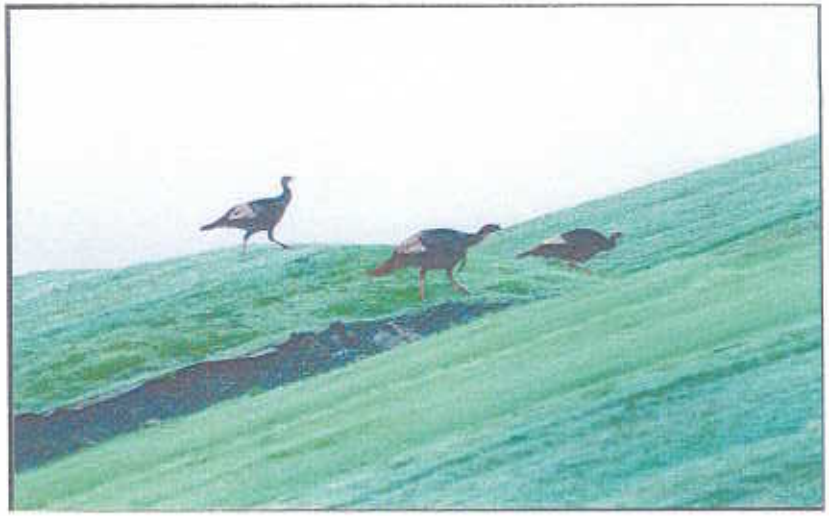


Figure 19D. Wild Turkeys on Capped Montauk Landfill

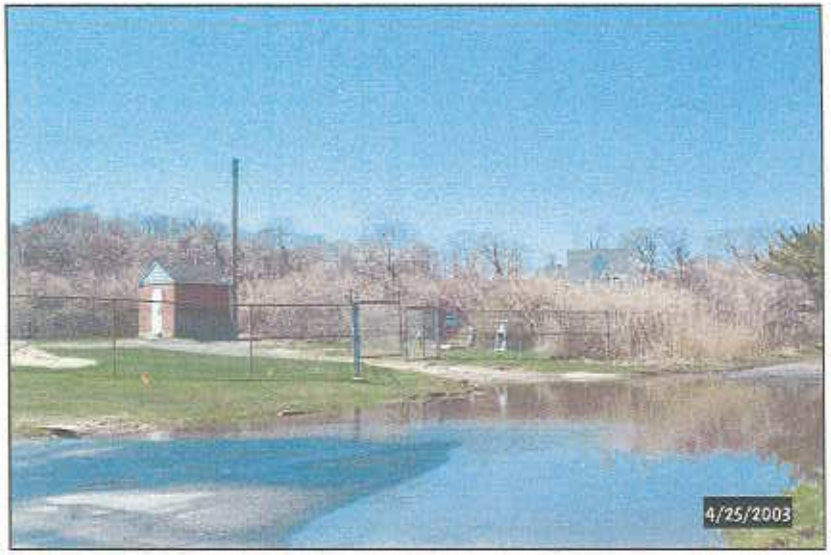
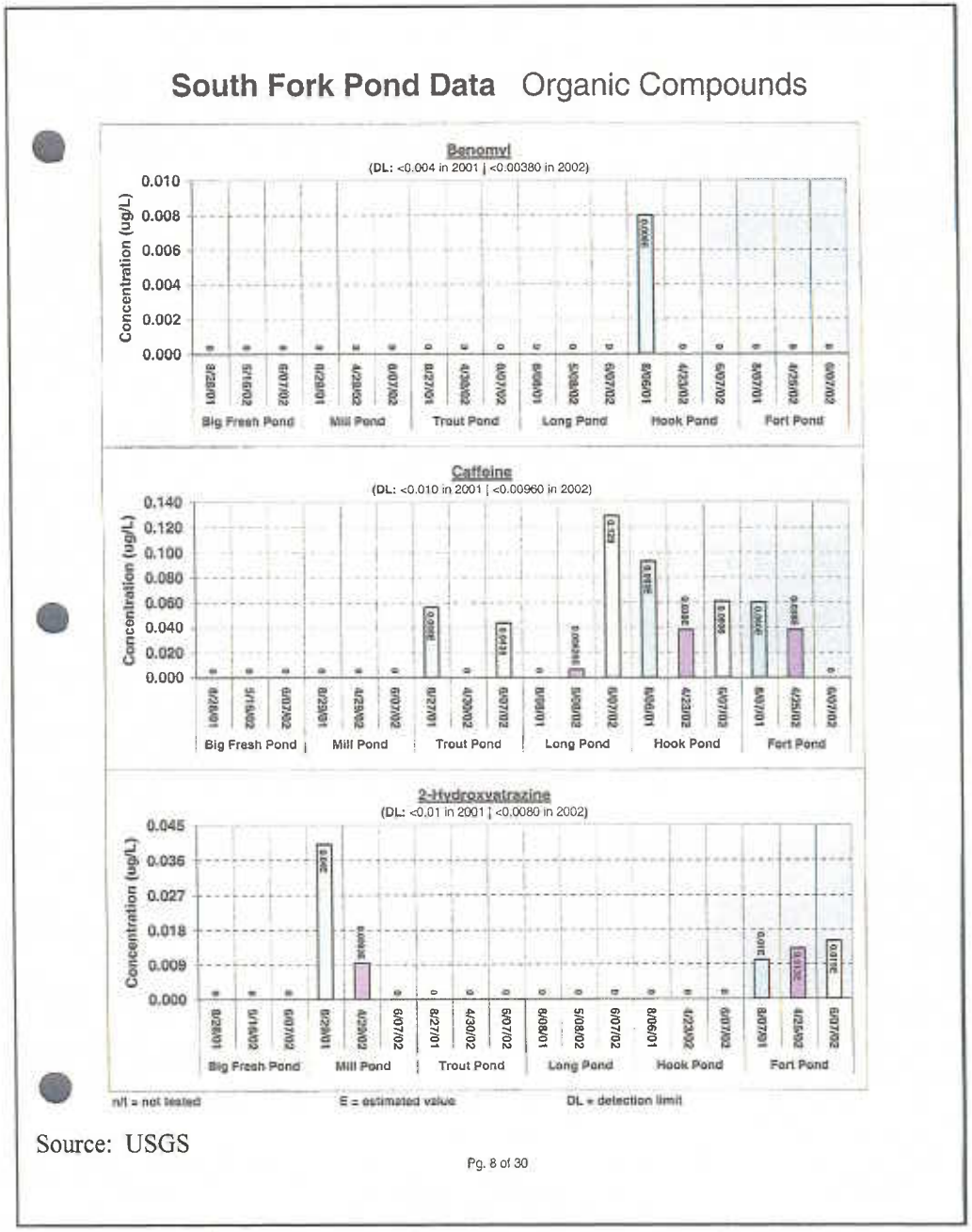


Figure 19E. SCWA Well Station, S. Fulton Dr., Montauk, NY. MTBE in well

Figure 19F. Abandoned Service Station, Fort Pond and NYS 27, Montauk, NY. Tank Leak, Sparging Shed

Figure 19G. Montauk Downs Fuel Site, Montauk, NY. Upgradient of Fulton Dr. SCWA Well Station

Figure 19H. Site of old Mobil Station Tank Leak, ca. 1983, Springs, East Hampton, NY. Cleaned up, 1986



Source: USGS

Figure 13B. Hook Pond USGS provisional data

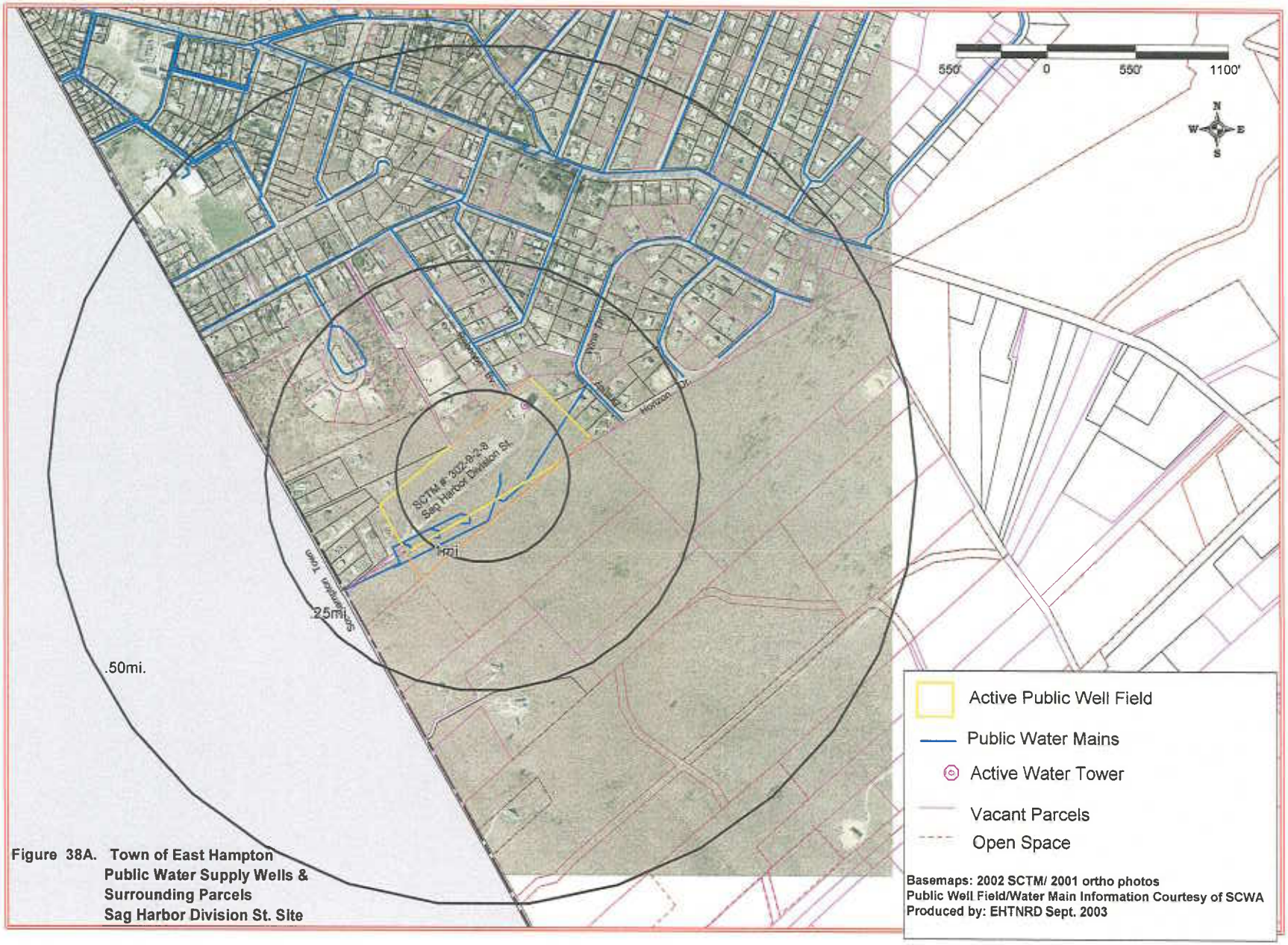


Figure 38A. Town of East Hampton Public Water Supply Wells & Surrounding Parcels Sag Harbor Division St. Site

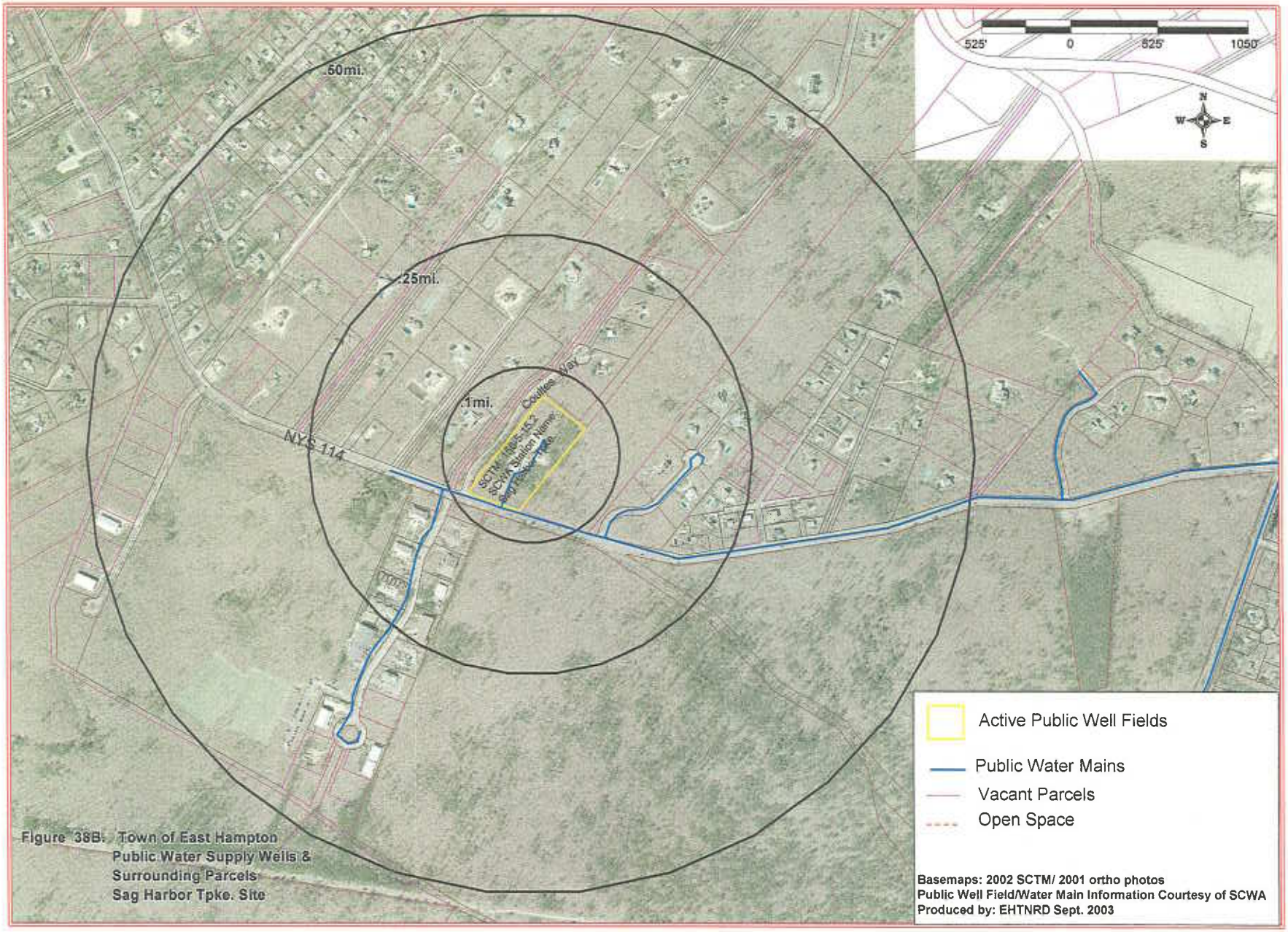


Figure 38B. Town of East Hampton
Public Water Supply Wells &
Surrounding Parcels
Sag Harbor Tpke. Site

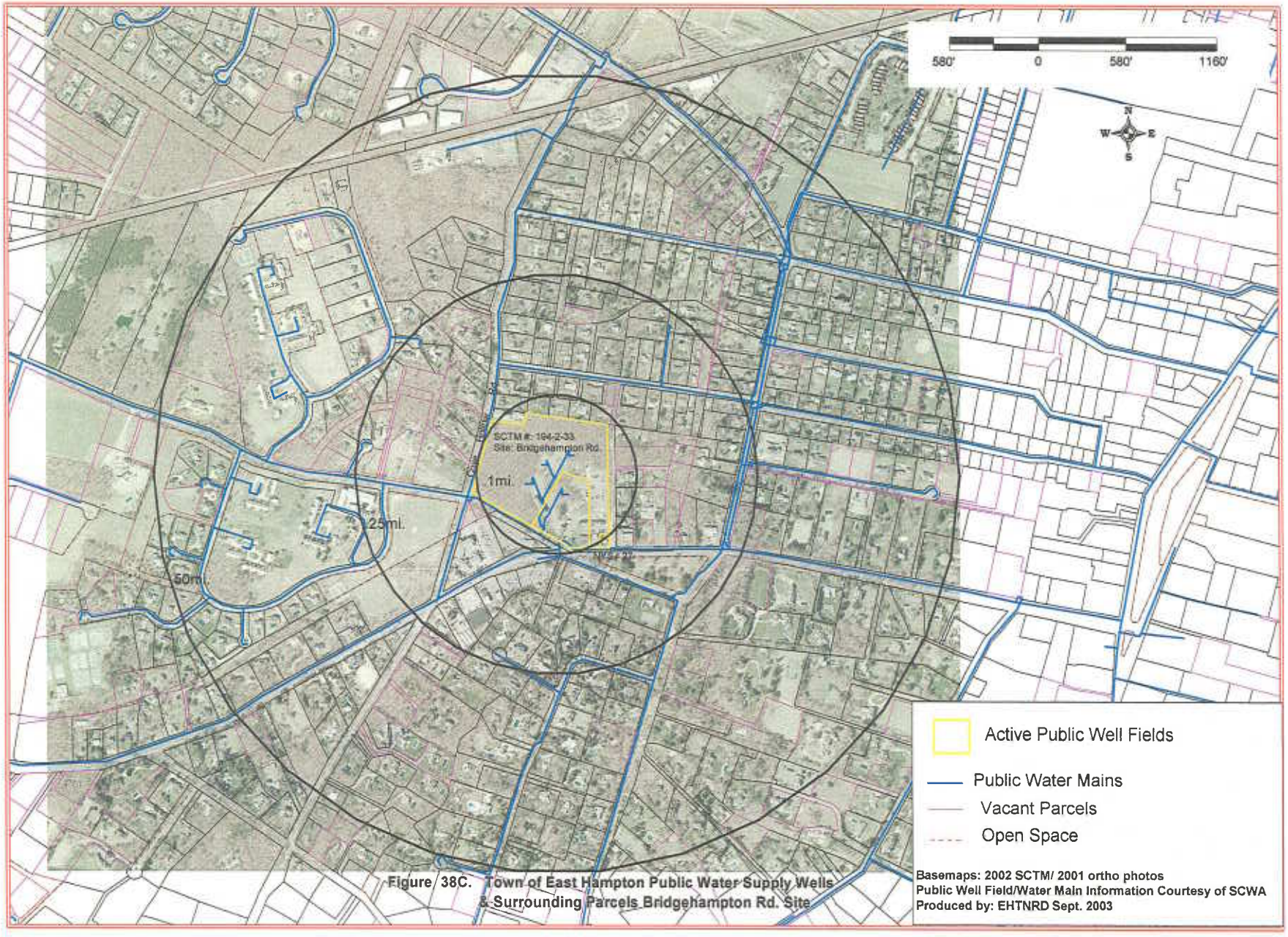


Figure 38C. Town of East Hampton Public Water Supply Wells & Surrounding Parcels Bridgehampton Rd. Site

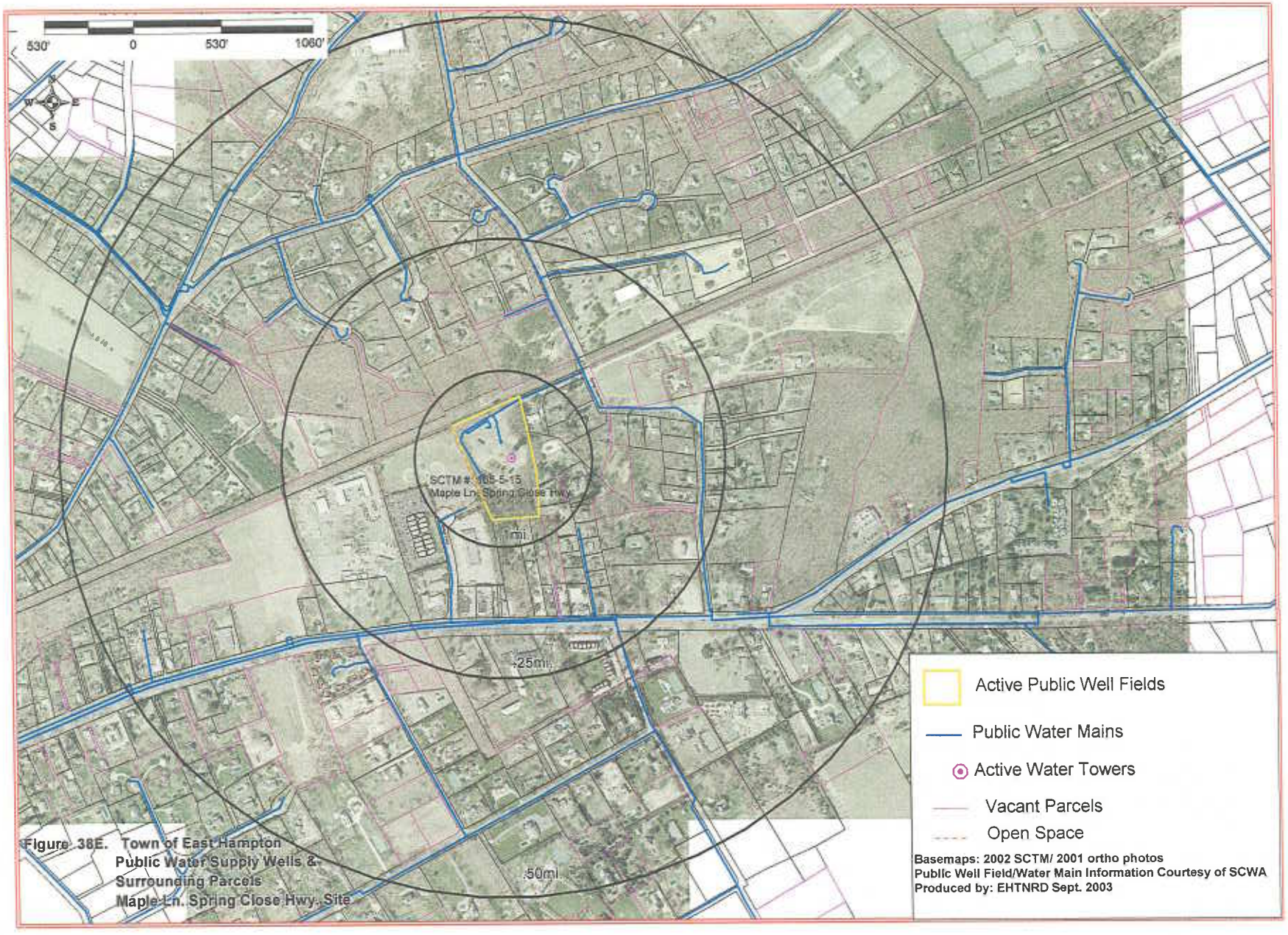


Figure 38E. Town of East Hampton
Public Water Supply Wells &
Surrounding Parcels
Maple Ln. Spring Close Hwy. Site

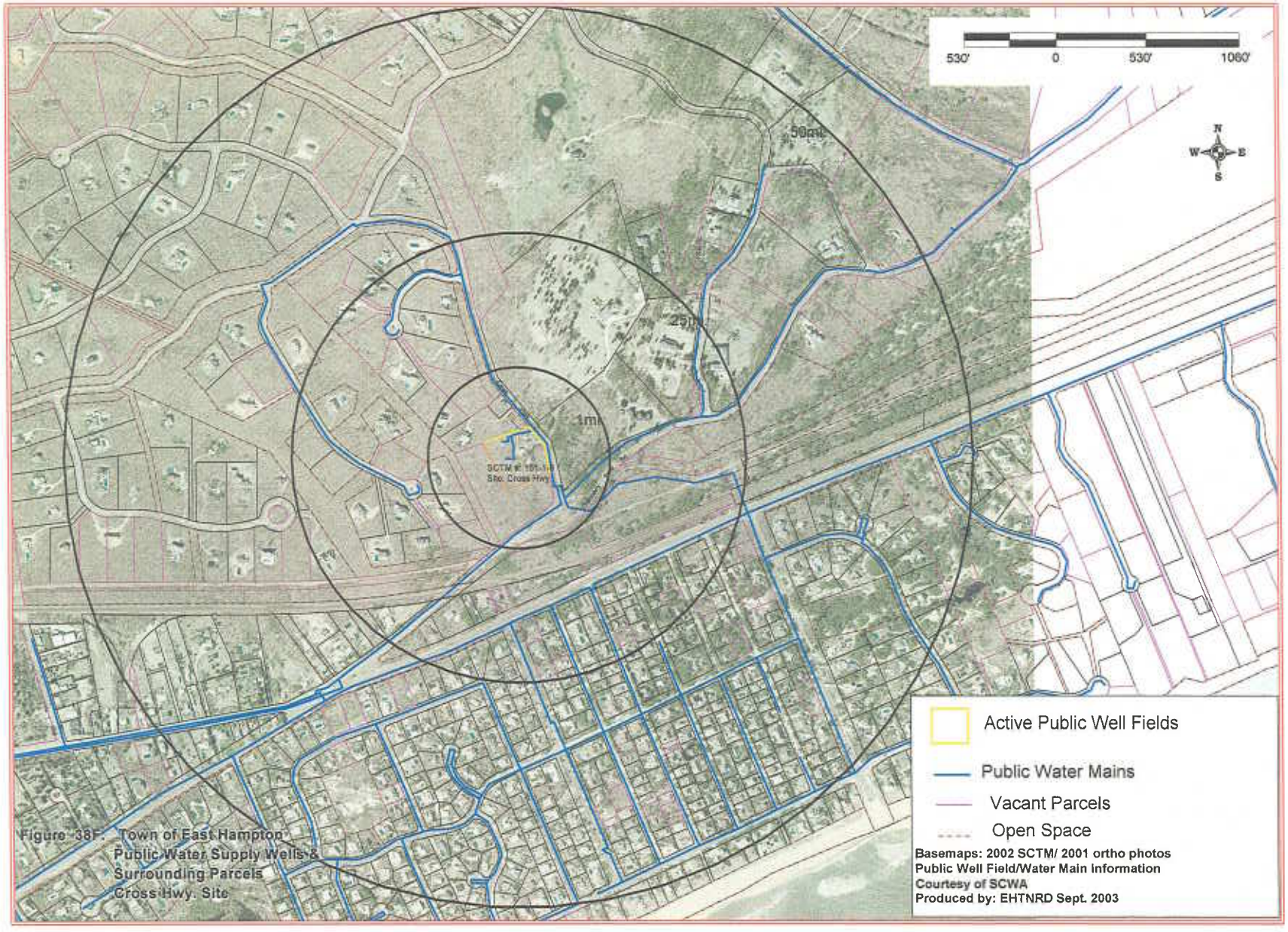


Figure 38F: Town of East Hampton Public Water Supply Wells & Surrounding Parcels Cross Hwy. Site

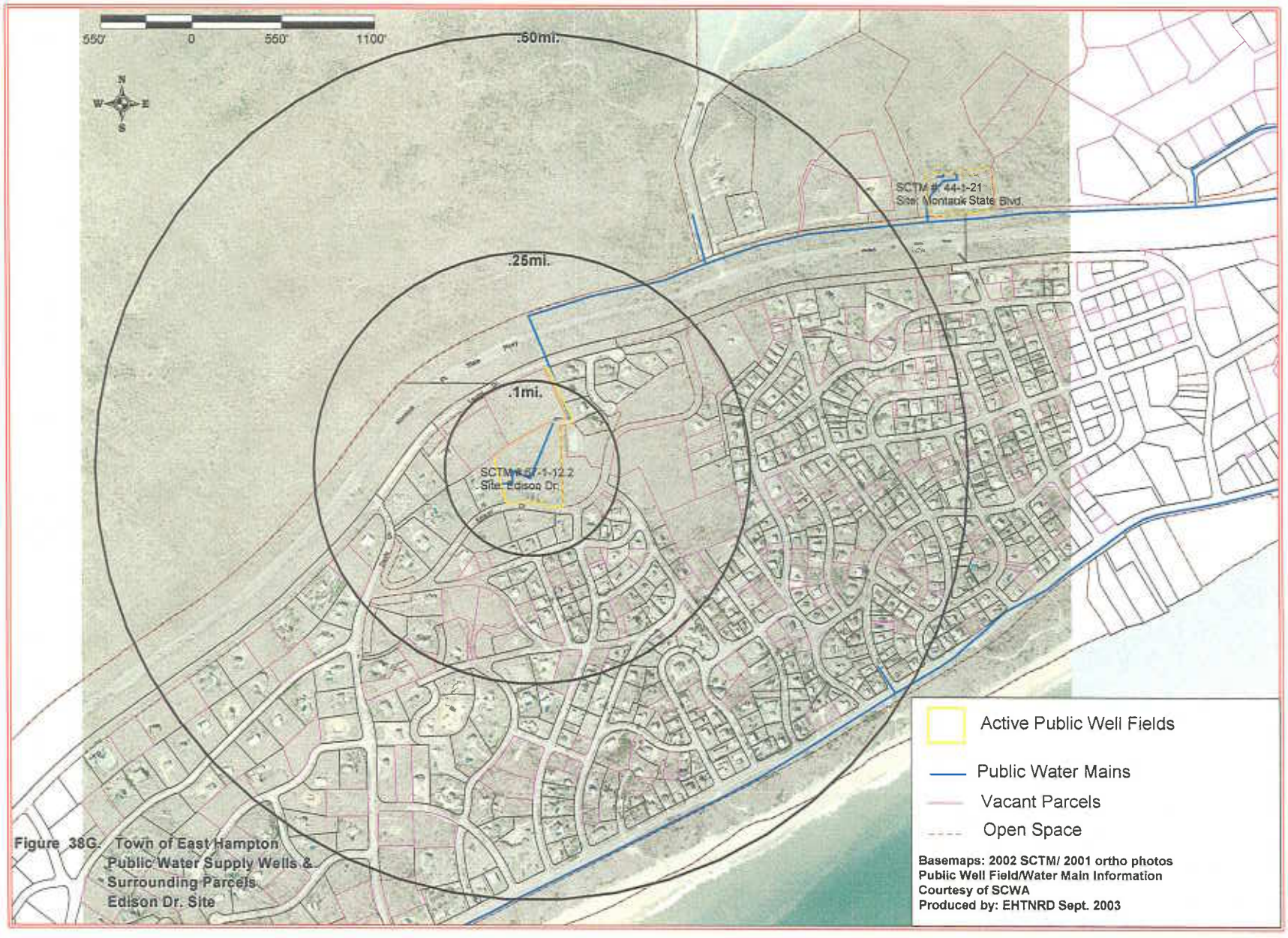


Figure 38G. Town of East Hampton
Public Water Supply Wells &
Surrounding Parcels
Edison Dr. Site

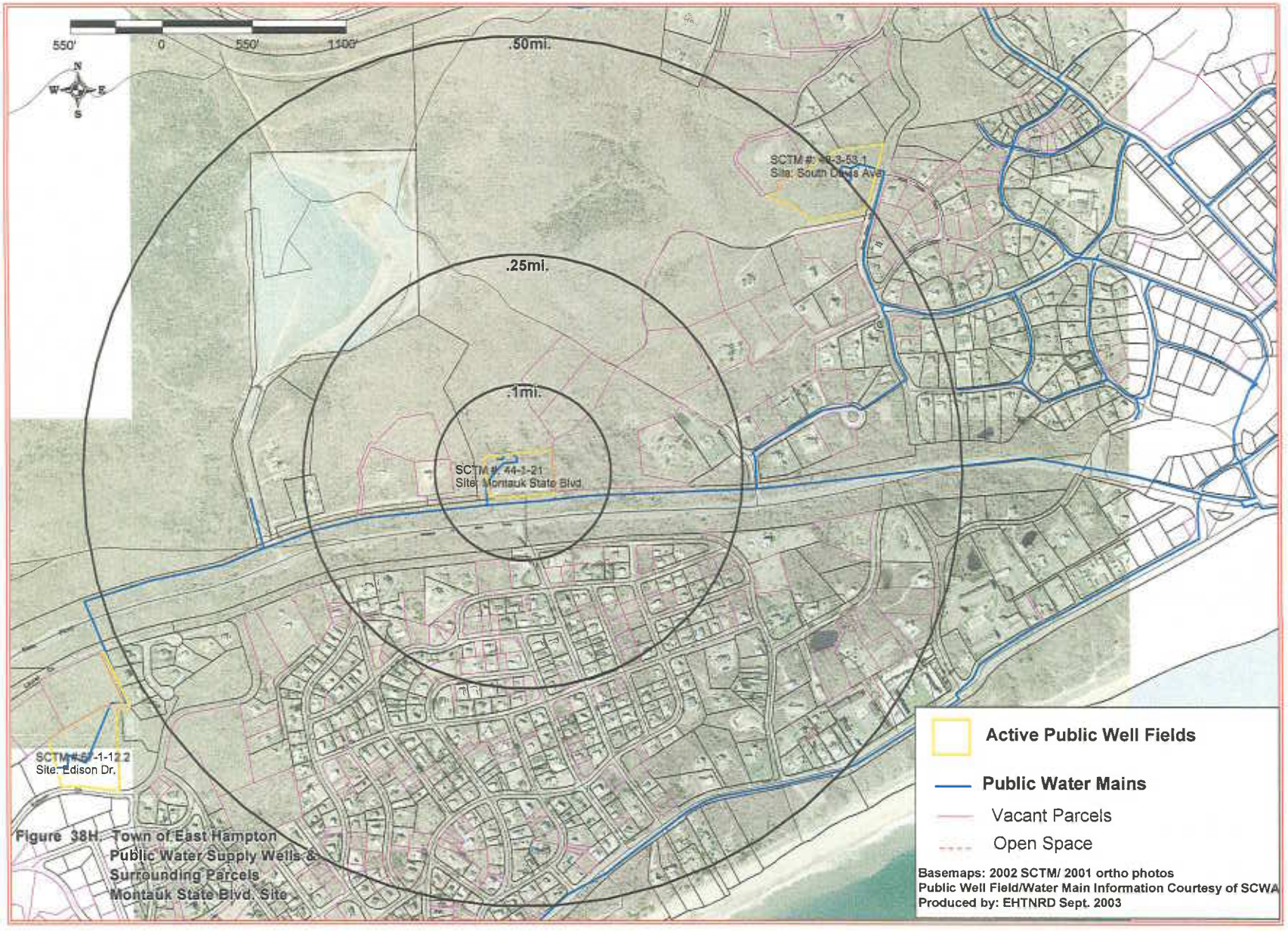


Figure 38H. Town of East Hampton Public Water Supply Wells & Surrounding Parcels Montauk State Blvd. Site

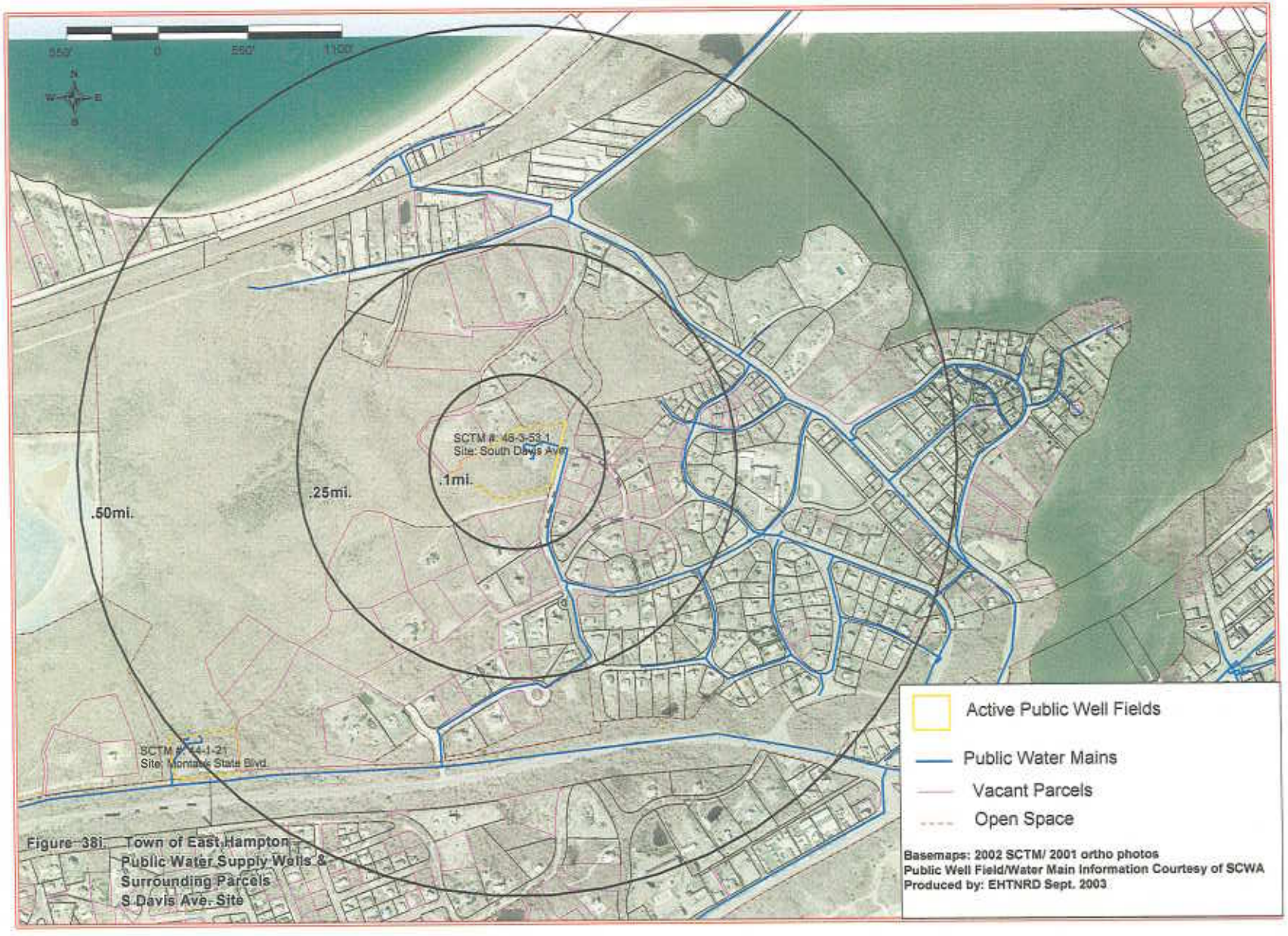


Figure 38i. Town of East Hampton Public Water Supply Wells & Surrounding Parcels S Davis Ave. Site

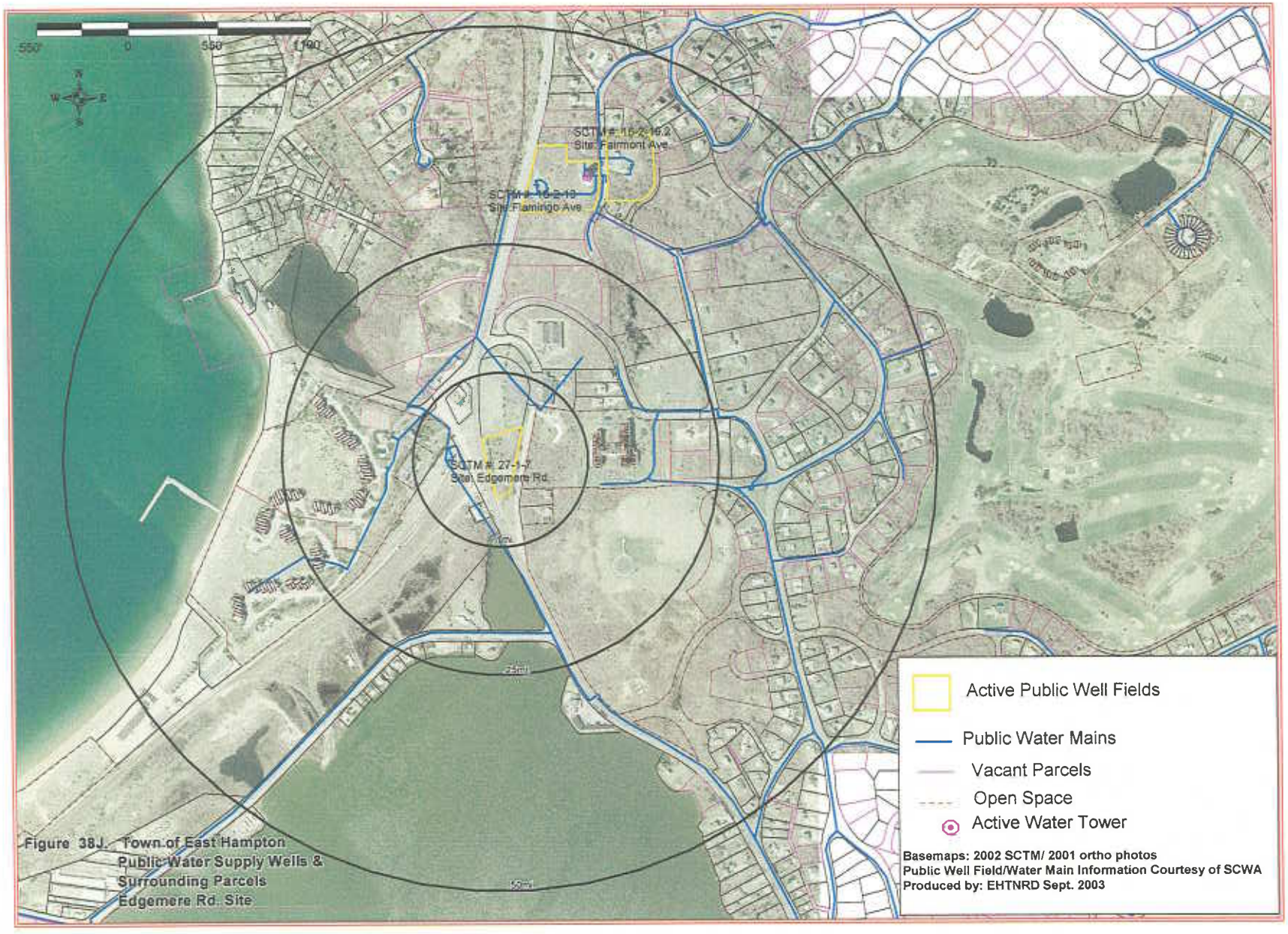


Figure 38J. Town of East Hampton Public Water Supply Wells & Surrounding Parcels Edgemere Rd. Site

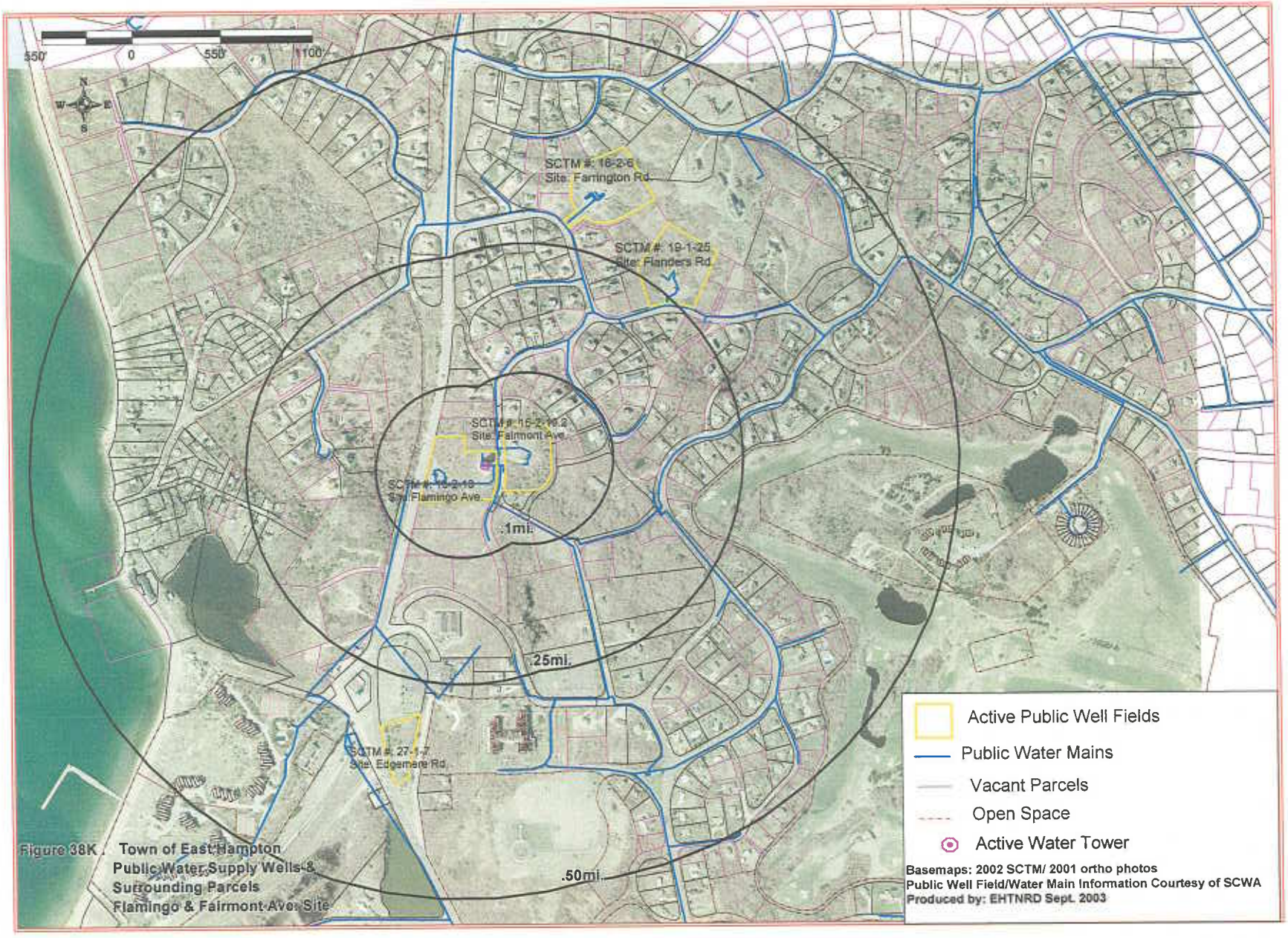


Figure 38K. Town of East Hampton
Public Water Supply Wells &
Surrounding Parcels
Flamingo & Fairmont Ave. Site

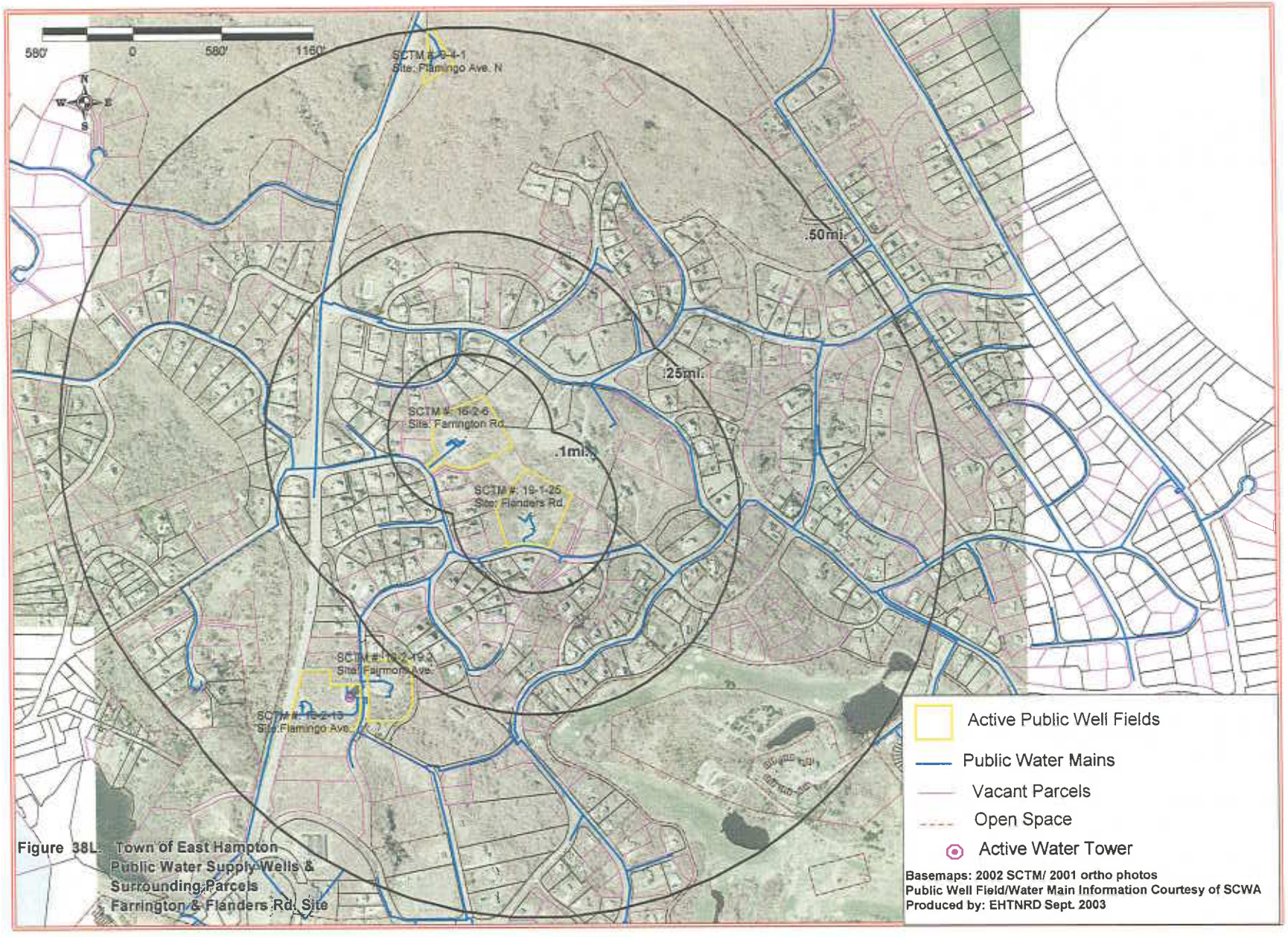


Figure 38L: Town of East Hampton
Public Water Supply Wells &
Surrounding Parcels
Farrington & Flanders Rd. Site

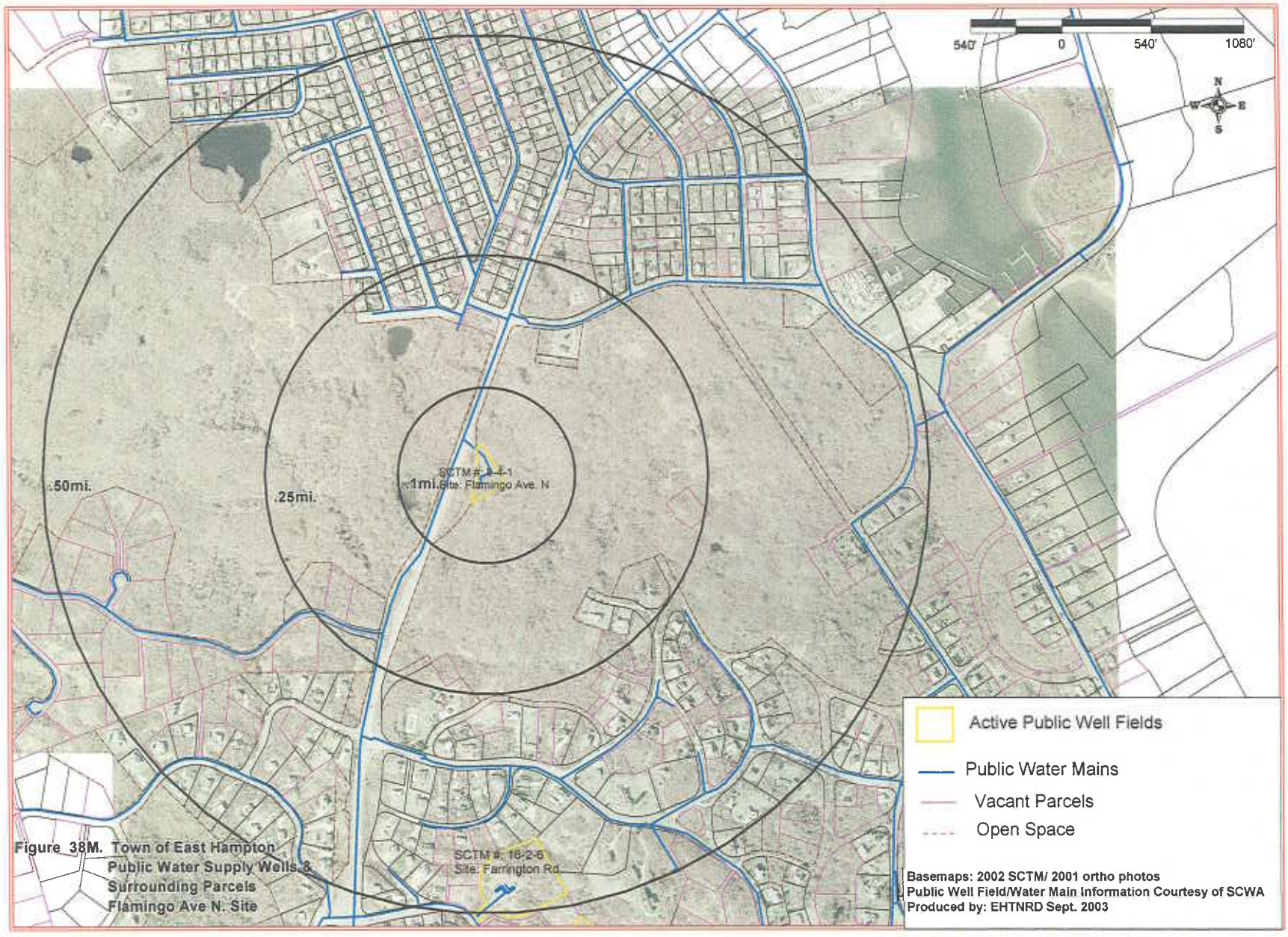


Figure 38M. Town of East Hampton Public Water Supply Wells & Surrounding Parcels Flamingo Ave N. Site

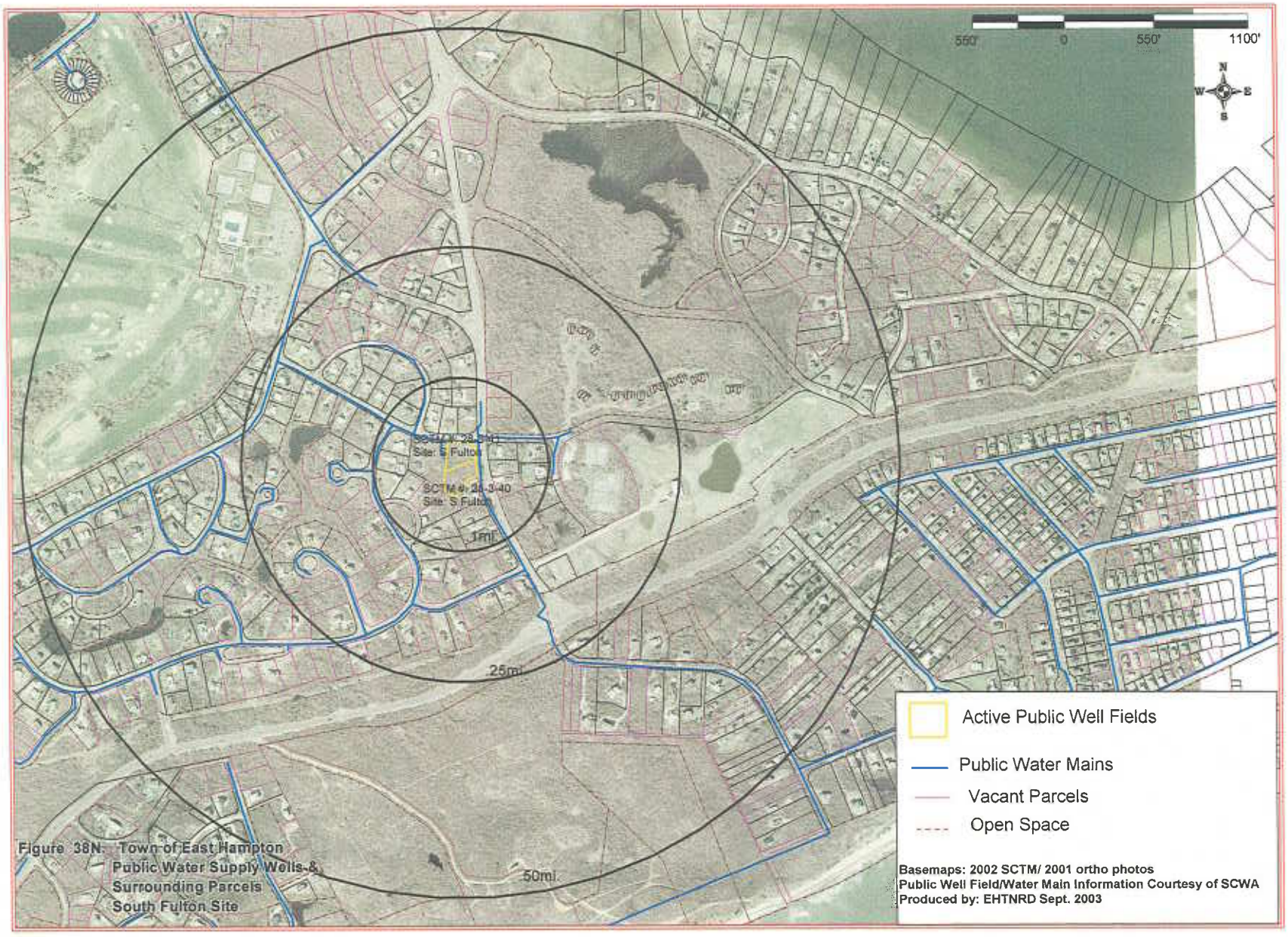


Figure 38N: Town of East Hampton
Public Water Supply Wells &
Surrounding Parcels
South Fulton Site

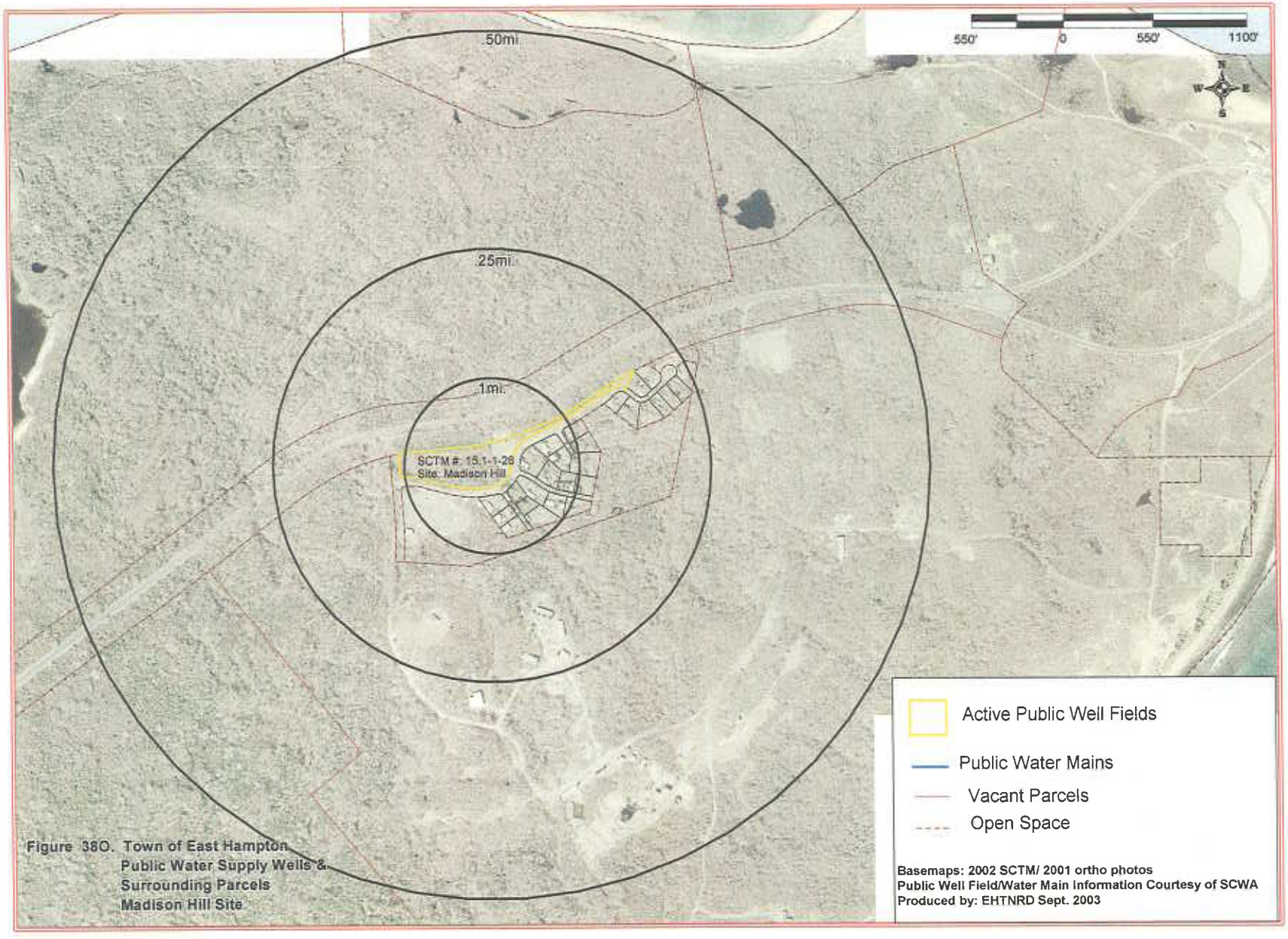


Figure 38O. Town of East Hampton
Public Water Supply Wells &
Surrounding Parcels
Madison Hill Site

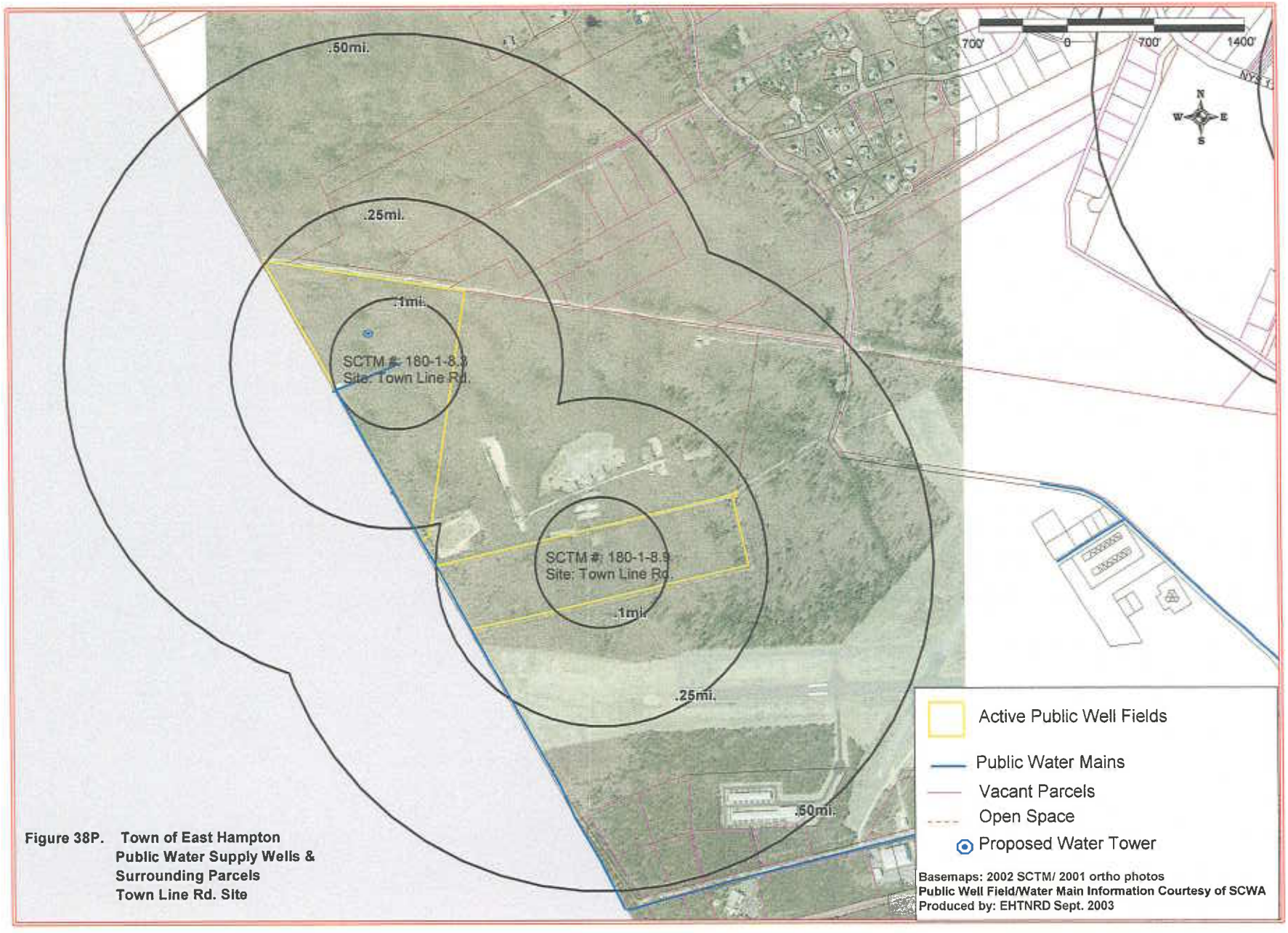


Figure 38P. Town of East Hampton Public Water Supply Wells & Surrounding Parcels Town Line Rd. Site

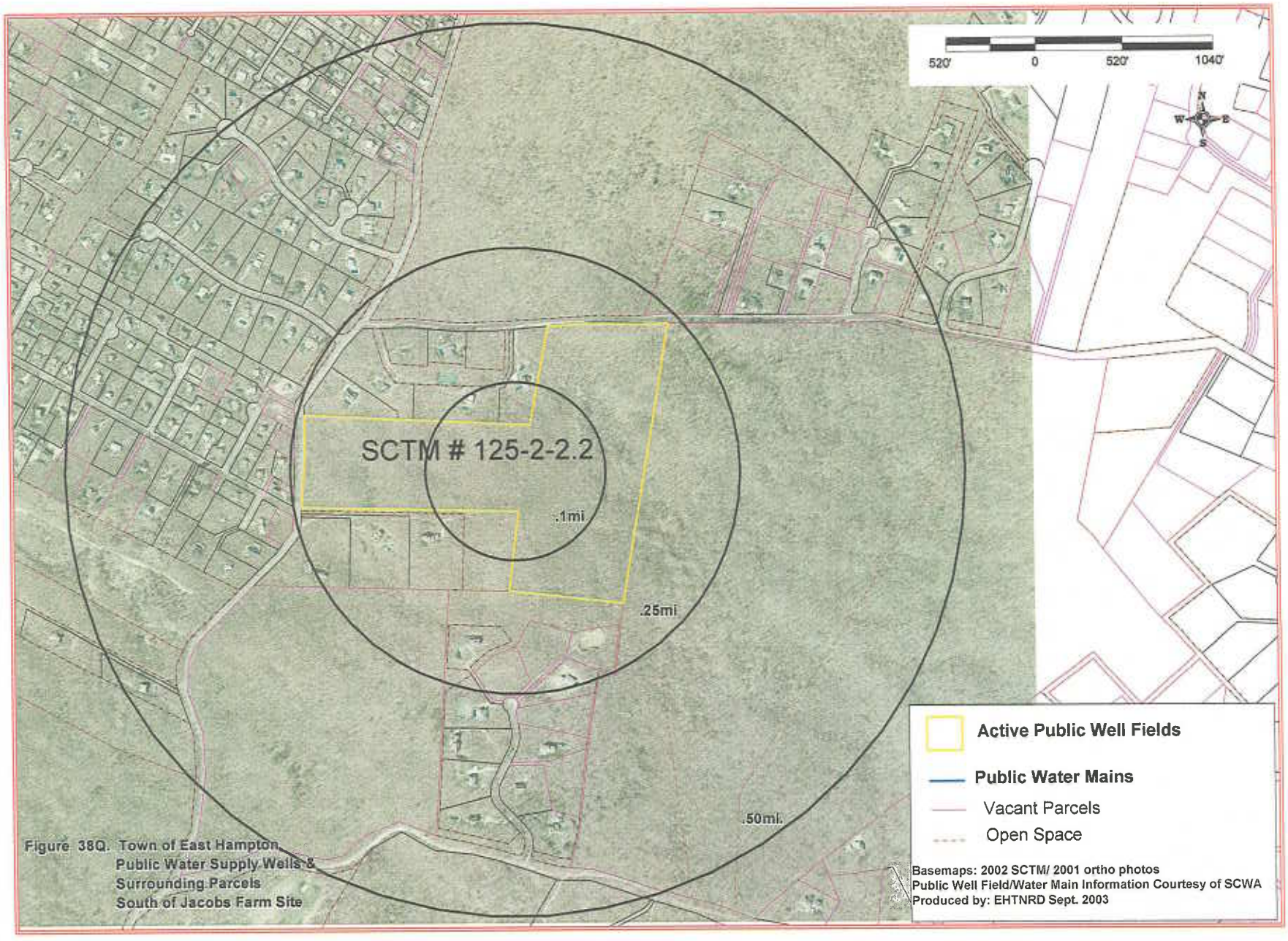


Figure 38Q. Town of East Hampton
Public Water Supply Wells &
Surrounding Parcels
South of Jacobs Farm Site

Table 1
Town of East Hampton Population as of 2002

Town of East Hampton

VILLAGES	Estimate Jan.1, 2002	Estimate Jan.1, 2001	Census April 1, 2001	Census April 1, 1990
East Hampton	1,358	1,353	1,334	1,402
Sag Harbor, part	975	959	948	858
TOTAL INCORPORATED AREA	2,333	2,312	2,282	2,260
DESIGNATED PLACES (Hamlets)				
Amagansett	1,093	1,085	1,067	894
East Hampton North	3,691	3,617	3,587	2,780
Montauk	3,899	3,878	3,851	2,992
Napeague	225	223	223	177
Northwest Harbor	3,204	3,122	3,059	2,167
Springs	5,151	5,023	4,950	4,355
Wainscott	669	665	628	498
TOTAL DESIGNATED PLACES	17,942	17,613	17,365	13,863
TOTAL EAST HAMPTON TOWN	20,275	19,925	19,647	16,132

*Includes Special Populations (9 people)

SOURCE: LIPA

Table 2.

Pumpage Data for SCWA Public Supply Wells Providing Water in East Hampton Town

Zone Name	Zone	Station	Total Pumpage (gals)	Peak Day	Peak Day Pumpage (gals)	Peak Month (gals)	
Southampton Low - 23	23	Division St.	287,426,000	8/14	2,405,000	August	51,553,000
East Hampton Low - 25	25	Bridgehampton Rd.	251,039,300	7/7	2,470,000	July	56,300,000
	25	Cross Hwy.	39,404,600	7/7	797,000	July	13,099,000
	25	Spring Close Hwy.	351,285,650	7/7	3,420,000	July	77,720,000
	25	Oakview Hwy.	214,730,000	7/7	1,446,000	July	37,984,000
	25	Sag Harbor Tpke.	382,555,000	7/7	2,380,000	July	65,520,000
Montauk Low and Int. - 26 & 27	26	Flamingo Ave, North	8,430,000	7/28	37,000	July	1,131,000
	27	South Davis Ave.	23,937,420	7/28	190,000	July	4,830,000
	26	Montauk State Blvd.	38,267,600	7/28	307,000	July	7,439,000
	26	Edgemere Rd.	26,220,600	7/28	291,000	July	6,164,000
	26	Fairmont Ave.	28,503,900	7/28	158,700	July	3,881,600
	26	Farrington Rd.	57,532,190	7/28	408,000	July	11,833,300
	26	Flamingo Ave.	24,618,400	7/28	160,400	July	3,884,500
	26	Flanders Rd.	28,614,700	7/28	179,000	July	4,265,100
	26	South Fulton St.	6,284,250	7/28	4,500	July	213,750
	26	Edison Dr.	28,540,400	7/28	144,400	July	2,398,900
Montauk Booster - 26	26	Old Montauk Hwy. Export to Montauk	40,680,000	8/4	1,070,000	August	18,735,000
Camp Hero Low - 46	46	Madison Hill	4,360,100	9/11	57,000	July	569,000

Note: For stations in zone 25 and 26 (incl. 27) the Peak Day is the peak day for the zone. Peak Day Pumpage is a station's pumpage on that zone peak day.

Table 3.
Suffolk Department of Health Services
Water Quality Monitoring Program to
Detect Pesticides and Pesticide Breakdown Products Groundwaters of
Nassau and Suffolk Counties, NY
May 2002

Golf Course Monitoring Sites				
Site	**Montauk**	**Westhampton**	**Maidstone**	
Well #	S-116811	S-116902	S-115135	
DTW	61	2	12	
Screen Depth	105-110	55-60	50-60	
Sample Date	12/4/2000	1/17/2001	12/8/1999	8/29/2000
pH		6.5		
conductivity umho		5900		
chloride mg/L	33	1910	25	24
sulfate mg/L	17	26	24	23
NH3 mg/L	<0.2	10.8	<0.02	<0.02
NO2 mg/L	<0.02	<0.02	<0.02	<0.02
NO3 mg/L	<0.2		5.5	6.6
As ug/L	<2	<2	<2	<2
Cd ug/L	<1	<1	<1	<1
Cu ug/L	<1	<1	3.97	<1
Hg ug/L	<0.4	<0.4	<0.4	<0.4
VOC ug/L 524.2/624	ND	ND	ND	ND
Chlorinated Pesticides 505	ND	ND	ND	ND
EDB/DBCP 504	ND	ND	ND	ND
Semi-Volatile Pesticides 525.2	ND	ND	ND	ND
Carbamate Pesticides 531.1	ND	ND	ND	ND
TCPA HPLC/LC-GC/MS	ND	ND	ND	ND
Herbicide Degradates LC/MS	ND	ND		ND

Table 3A
Suffolk County Department of Health Services
Water Quality Monitoring Program to
Detect Pesticides in Groundwater in
Nassau and Suffolk Counties
May-02
Montauk Downs Pesticide Monitoring Event

Golf Course Vertical Profile Wells				
Site	**Montauk Downs (6/21/00)**			
DTW	61			
Screen Depth	65-70	75-80	85-90	105-110
chloride mg/L	42	41	34	20
Sulfate mg/L	18	18	16	11
NH3 mg/L	0.07	<0.02	<0.02	<0.02
NO2 mg/L	<0.02	<0.02	<0.02	<0.02
NO3 mg/L	<0.2	<0.2	<0.2	<0.2
As ug/L	<2	<2	<2	<2
Cd ug/L	<1	<1	<1	<1
Cu ug/L	1.04	<1	4.02	3.37
Hg ug/L	<0.4	<0.4	<0.4	<0.4
VOC 524.4/624	ND	ND	ND	ND
chlorinated pesticides 505	ND	ND	ND	ND
EDB/DBCP 504	ND	ND	ND	ND
Semi-Volatile Pesticides 525.2	ND	ND	4.3 DEHP	ND
Carbamate Pesticides 531.1	ND	ND	ND	ND
TCPA HPLC/LC-GC/MS	ND	ND	ND	ND
Herbicide Degradates LC/MS	ND	ND	ND	ND

Table 4.
Major Nursery Pesticides Used in Suffolk County in 1990s
Suffolk County Cornell Cooperative Extension

Pesticide	Class	*NYSDEC Drinking Water Standards and Guidance Values	Trade Name	Leaching Potential
Bt (Bacillus thuringiensis)	I	NA	several	Low
Chlorothalonil	F	** 5 ug/L	Bravo, Daconil	Low
Copper hydroxide	F	NA	several	Low
Dichlobenil	H	NA	Casoron	Moderate
Glyphosate	H,O	*** 50 ug/L	Ranger, Rattler, Rodeo, Roundup	Low
Imadacloprid	I	NA	Admire, Provado, Mrathon, Merit	Moderate
Mancozeb	F	1.8 ug/L	several	Low
Maneb	F	1.8 ug/L	several	Low
Mefenoxam	F	NA	Ridomil Gold, Subdue Maxx, Quell	High
Metalaxyl	F	NA	Ridomil, Subdue	High
Metolachlor	H	NA	Dual	Moderate/High
Oryzalin	H	NA	Surflan	Low
Simazine	H	0.5 ug/L	Princep, Simazine	High
Spinosad	I	NA	Spin Tor, Success, Tracer, Conserve	Low
Trifluralin	H	35 ug/L	Treflan, Trific, Trilin	Low

H - Herbicide
I - Insecticide
F - Fungicide
O - Other
NA - Not Available
* - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values, June 1998.
** - the principal organic contaminant standard
*** - Guidance Value

Table 5
Major Fruit and Vegetable Pesticides Used within Suffolk County in 1990s
Suffolk County Cornell Cooperative Extension

Pesticide	Class	Trade Name	*NYSDEC Standards and Guidance Values for Drinking Water	Leaching Potential	1990s and 2000 Uses
Atrazine	H	AAtrex, Atrazine	7.5 ug/L	High	sweet corn and field corn
Bt (Bacillus thuringiensis)	I	several	NA	Low	cruicifer, leafy greens, potato, tomato, cucurbit, sweet corn, apple, peach
Chlorothalonil	F	Bravo, Daconil	** 5 ug/L	Low	snap beans, crucifer, cucurbit, potato, sweet corn, tomato, peach
Copper hydroxide	F	several	NA	Low	cucurbit, potato, tomato, pepper, peach, leafy greens, small fruit
Dichlobenil	H	Casoron	NA	Moderate	small fruit, peach, apple
Glyphosate	H,O	Ranger, Rattler, Rodeo, Roundup	*** 50 ug/L	Low	snap beans, cruicifer, cucurbit, leafy greens, peppers, potato, sweet corn, tomato, small fruit, strawberries, peach, apple
Imadacloprid	I	Admire, Provado, Mrathon, Merit	NA	Moderate	cruicifer, pepper, potato, tomato, leafy greens, apple
Mancozeb	F	several	1.8 ug/L	Low	cucurbit, potato, sweet corn, tomato, apple
Maneb	F	several	1.8 ug/L	Low	tomato, cruicifer, cucurbit, leafy greens, peppers, potato, sweet corn, tomato
Maneb + Zn	F	several	NA	Low	snap beans, cruicifer, cucurbit, leafy greens, peppers, potato, sweet corn, tomato
Mefenoxam	F	Ridomil Gold, Subdue Maxx, Quell	NA	High	sweet corn, cruicifer, leafy greens, peppers, tomato, cucurbit, potato
Metalaxyl	F	Ridomil, Subdue	NA	High	small fruit, strawberries, peaches, grapes, potato, cruicifer
Metolachlor	H	Dual	NA	Moderate/High	snap beans, cruicifer, pepper, potato, sweet corn, field corn
Metribuzin	H	Axiom, Lexone, Sencor	50 ug/L	High	potato, tomato
Oryzalin	H	Surflan	NA	Low	small fruit, peach, apple
Simazine	H	Princep, Simazine	0.5 ug/L	High	sweet corn, small fruit, peach, apple
Spinosad	I	Spin Tor, Success, Tracer, Conserve	NA	Low	cruicifer, leafy greens, pepper, tomato, potato
Trifluralin	H	Treflan, Trific, Trilin	35 ug/L	Low	snap beans, cruicifer, pepper, potato, tomato

H - Hervicide

I - Insecticide

F - Fungicide

O - Other

NA - Not Available

* - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values, June 1998.

** - the principal organic contaminant standard

*** - Guidance Value

Table 6.
New York department of Environmental Conservation
Commercial Applicator Pesticide Use Report for New York State
2000

During 2000 - Zip Code Totals				
Town	**East Hampton Town** Zip Code	**Pesticide Use** (Gallons)	**Pesticide Use** (Pounds)	**Number of Brand Name Pesticides Used**
East Hampton/Springs/Amagansett/Wainscott/Sag Harbor	11937	9,426.17	387,417.45	321
Montauk	11954	724.76	6,316.32	170
Total		10,150.93	393,733.77	491

Table 7
Suffolk County Department of Health Services
Water Qualitiy Monitoring Program to
Detect Pesticides in Groundwaters of
Nassau and Suffolk Counties, NY
May 2002

2000 - 2001 Easthampton Town Pesticide Monitoring by Community							
Community	Wells	Detects	Percentages	Detects > MCL	Percentages	NO3 > MCL	Percentages
Sag Harbor	1	0	0.00%	0	0.00%	0	0.00%
Easthampton	54	8	14.81%	0	0.00%	0	0.00%
Amagansett	15	3	20.00%	1	6.67%	0	0.00%
Montauk	8	0	0.00%	0	0.00%	0	0.00%
Wainscott	26	13	50.00%	3	11.54%	2	7.69%
Totals	104	24	23.08%	4	15.38%	2	1.92%

Table 8.
East Hampton Town
Road Salt Usage By Tonnage

Road Salt Applied to East Hampton Roads During the Winters of 2002-2003		
Application Location	**Applicator**	**Salt Applied in Tons**
East Hampton Town Roads	East Hampton Town Highway Department	3600
NYS 27 (Accabonac Hwy to Montauk Point)		
East Hampton Village Roads	East Hampton Village Public Works Department	700
NYS 27 (Buell Street to Accabonac Hwy)		
NYS Roadways	New York State Transportaion Department	230
NYS 27(Buell Street to Southampton Town Line)		
NYS 114		120
Total		4650

Table 9.
East Hampton Town 2003 Catchment Basin Sampling Event for Chlorides

Department of Natural Resources		
Date	**Town of East Hampton Catchment Basin Locations**	**Chloride Results (mg/L)**
4/8/2003	NW Rte. 114 & Stephen Hands Path	**290**
4/8/2003	N side of Rte. 114 Opp. Pole #63	**320**
4/8/2003	N side of Rte. 114 E of Hilltop	140
4/8/2003	N side of rte. 114 S/o Swamp Rd	**880**
4/8/2003	N side of Rte. 114 near Pole #193	**560**
4/8/2003	S side of Rte. 27 E of Wainscott NW Rd.	**420**
4/8/2003	S side of Rte. 27 Opp. Pole # 69 Parking Area	**550**
4/8/2003	S side of Rte. 27 Opp. Swamp Rd.	**1,000**
4/8/2003	S side of Rte. 27 W/o Georgica Rd.	**2,500**
4/8/2003	S side of Rte. 27 W/o Cove Hollow	**260**

Bold - Result was above New York State Ambient Water Quality Standards and Guidance Values, June 1998 for chloride, 250,000 ug/L or 250 mg/L.

Table 10
2003 East Hampton Town Sampling Event for Chlorides

Department of Natural Resources		
Date	**Town of East Hampton Test Well #**	**Ecotest Chloride Results(mg/L)**
3/31/2003	Fort Pond 6	21
3/31/2003	Fort Pond 7	120
3/31/2003	Fort Pond 13	110
3/31/2003	Napeague Harbor 13	10
3/31/2003	Northwest Creek 14	45
3/31/2003	Northwest Creek 25	8
3/31/2003	Northwest Creek 23	48
3/31/2003	Northwest Creek 21	16
3/31/2003	Northwest Creek 24	15
3/31/2003	Northwest Creek 4	24
4/1/2003	Three Mile Harbor 11	24
4/1/2003	Accabonac Harbor 8	93
4/1/2003	Accabonac Harbor 11	200
4/1/2003	Accabonac Harbor 12	53
4/1/2003	Accabonac Harbor 7	48
4/1/2003	Accabonac Harbor 6	62
4/1/2003	Accabonac Harbor 5	**280**
4/1/2003	Georgica Pond 7A	26
4/1/2003	Georgica Pond 6	36
4/1/2003	Georgica Pond 8	180

Bold - Result was above New York State Ambient Water Quality Standards and Guidance Values, June 1998 for chloride, 250,000 ug/L or 250 mg/L.

Table 11
2003 East Hampton Town Household Drinking Water Sampling Event for Lead

Performed by Department of Natural Resources					
Units mg/L					
Homeowner's Faucet Drinking Water	Approximate Age of House	Type of Drinking Water Well	First Morning Draw	After 5 minutes of flushing pipes	*NYSDEC Pb Standard
Home #1	16	Private well	**0.36**	0.009	0.025
Home #2	45	Public supply well w/ pH buffer	0.017	<0.005	0.025
Home #3	57	Private well	<0.005	<0.005	0.025

Bold - Result was above New York State Ambient Water Quality Standards and Guidance

Values, June 1998 for lead, 25 ug/L or 0.025 mg/L.

* - New York State Department of Environmental Conservation Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

Table 12A
Number of Swimming Pools
in The Town of East Hampton

2001 Aerial Photograph Swimming Pool Identifications	
Town	**Swimming Pool Count**
Amagansett	551
East Hampton Town (Northwest section)	1509
East Hampton Village	567
Montauk	240
Sag Harbor	40
Springs	653
Wainscott	385
Total	3945

3399 Swimming Pools installed before 2001

Table 13 . TOXIC SPILLS IN EAST HAMPTON 1983-2002 (444 Total Reported Cases)

(Source of Information: Toxics Targeting, Inc., Ithaca, New York)

Section	Number of Reported Cases	Land Spill (gal)			Total Land Spill (gal)	Total Surface Water Spill (gal)	Total Ground-water Spill (gal)
		fuel oil	gasoline	other/unk			
A (Sag Harbor)	32	9	100	25	134	3175	7
B (Wainscott)	27	7	3	66	76	0	0
C (Northwest)	48	307	0	69	376	5	0
D (East Hampton Village)	88	2378	0	136	2514	0	0
E (Springs/Amagansett)	99	3048	11	726	3785	100	100
F (Napeague/Hither Hills)	34	61	12	77	150	0	0
G (Montauk)	116	1001	592	439	2032	2621	100
Total Spilled in East Hampton >>	444	6811	718	1538	9067	5901	207

Table 14.

Suffolk County Water Authority Annual Drinking Water Quality Report

Contaminants of Concern For East Hampton Town

Maximum Contaminant Levels for Contaminants of Concern in East Hampton Town			
Contaminants of Concern in East Hampton Town	MCL	*Contaminant Amount rendering water unpotable	Gallons of Drinking Water
Arsenic	10 ug/L	5 pounds	100,000,000 gallon
Chloride	250 mg/L	2.13 poounds	1,000 gallons
Iron	300 ug/L	2.55 pounds	1,000,000 gallons
Lead	15 ug/L	8 pounds	1,000,000,000 gallons
Nitrate	10 mg/L	8.5 pounds	100,000 gallons
Alachlor	2 ug/L	1.5 pounds	100,000,000 gallons
Metolachlor	50 ug/L	4.23 pounds	100,000,000 gallons
Simazine	4 ug/L	3 pounds	100,000,000 gallons
Chloroform	80 ug/L	6.76 pounds	10,000,000 gallons
Carbon Tetrachloride	5 ug/L	4.2 pounds	1,000,000,000 gallons
MTBE	50 ug/L	4.23 pounds	100,000,000 gallons
Vinyl chloride	2 ug/L	1.5 pounds	100,000,000 gallons

* - The amount of contaminant listed that can render drinking water unpotable can only occur if the specific gallons of water indicated is all that was available. If the amount listed infiltrated drinking water, the MCL would not be exceeded due to the great amount of drinking water available and the ability of the contaminant to disperse and decrease in concentration with increased time and distance covered. Natural biodegradation is also not considered.

MCL - Maximum Contaminant Level

Table 15
The United States Geological Survey
Provisional Pond Sampling Data
For the Town of East Hampton

Runoff and Underflow Influences

Nutrients	Storm Event 6/7/2002		Non-Storm Event (Red) 4/25/2002		Non-Storm Event (Blue) 8/29/2001	
Units mg/L	FP	HP	FP	HP	FP	HP
Ammonia (dissolved)	0.05	0.16	0.18	0.09	0.02E	0.06
Nitrite	ND	0.01	0.004E	0.02	ND	0.02
Ammonia & Organic Nitrogen (dissolved)	0.6	0.4	0.8	0.9	0.5	0.8
Ammonia & Organic Nitrogen (Total)	0.8	0.5	0.8	0.9	0.7	1.2
Nitrite + Nitrate (dissolved)	ND	1.8	0.06	0.63	0.03E	0.29
Phosphorus (total)	0.023	0.026	0.02	0.058	0.02	0.12
Phosphorus (dissolved)	0.01	0.015	0.009	0.023	0.005E	0.024
Orthophosphate (dissolved)	ND	ND	ND	0.01E	ND	ND

Runoff and Some Underflow Influences

Volatile Organic Compounds	Storm Event 6/7/2002		Non-Storm Event (Red) 4/25/2002		Non-Storm Event (Blue) 8/29/2001	
Units ug/L	FP	HP	FP	HP	FP	HP
Chloroform	ND	0.0191E	NT	NT	ND	ND
Toluene*	0.0181E	0.0764E	NT	NT	ND	ND
Phenol*	NT	NT	ND	0.57	NT	NT
Tetrachloroethylene	ND	1.73	NT	NT	ND	0.124
1,1,1-Trichloroethane	ND	0.00835E	NT	NT	ND	ND
1,2-Dichloropropane	ND	0.0185E	NT	NT	ND	ND
Trichloroethylene	ND	0.37	NT	NT	ND	0.0322E
cis-1,2-Dichloroethylene	ND	0.598	NT	NT	ND	0.0394E
MTBE	0.244	0.227	NT	NT	ND	ND
m&p-xylene	ND	0.00849E	NT	NT	ND	ND

Underflow and Some Runoff Influences

Wastewater Compounds	Storm Event 6/7/2002		Non-Storm Event (Red) 4/25/2002		Non-Storm Event (Blue) 8/29/2001	
Units ug/L	FP	HP	FP	HP	FP	HP
Caffeine*	ND	0.0608	0.038E	0.038E	0.060E	0.093E
3-beta-Coprostanol (steroid)	NT	NT	0.420E	ND	NT	NT
Cholesterol	NT	NT	0.700E	0.610E	NT	NT
DEET	NT	NT	0.068E	0.059E	NT	NT
Fyrol CEF	NT	NT	ND	0.052	NT	NT
Fyrol PCF	NT	NT	0.048E	0.060E	NT	NT
Triphenyl phosphate	NT	NT	0.003E	ND	NT	NT

Underflow and Runoff Influences

Pesticides	Storm Event 6/7/2002		Non-Storm Event (Red) 4/25/2002		Non-Storm Event (Blue) 8/29/2001	
Units ug/L	FP	HP	FP	HP	FP	HP
Prometon	ND	ND	ND	ND	0.0031E	0.0074E
Deisopropylatrazine	ND	ND	ND	0.0097E	ND	ND
Deethyldeisopropylatrazine	ND	0.0092E	ND	ND	ND	ND
Siduron	ND	ND	ND	0.0559	ND	ND
Bentazon	ND	ND	ND	ND	0.01E	ND
Atrazine	ND	ND	ND	ND	0.0016E	ND
2,4-D	ND	0.0256	ND	ND	ND	ND
Dichloroprop	ND	0.0266	ND	ND	ND	ND
Benomyl	ND	ND	ND	ND	ND	0.008E
2-Hydroxyatrazine	0.015E	ND	0.013E	ND	0.01E	ND

* - Detections in blank results.
FP - Fort Pond
HP - Hook Pond
NT - Not Tested
ND - Not Detected
E - Estimated result