



Truro Board of Health

Tuesday May 6, 2025 at 4:30 PM

Truro Board of Health Notice of Regular (Hybrid) Meeting

Meeting will open at 4:30 PM in the Select Board Chambers at Truro Town Hall on the 2nd floor.
The Truro Town Hall is located at 24 Town Hall Road

This will be a hybrid meeting (in-person and remote access). Citizens in Truro can view the meeting on Channel 8 and on the homepage of the Town of Truro website on the "Truro TV Channel 8" button found under "Helpful Links". Once the meeting has started, click on the green "Watch" button in the upper right of the page. **To join the meeting by phone or to provide comment during the meeting, please call-in toll free at 1-305-224-1968 and enter the following Meeting ID when prompted: Meeting ID: 884 7580 5887** To join this Zoom meeting from your computer, tablet or smartphone enter <https://us02web.zoom.us/j/88475805887> Please note that there may be a slight delay between the meeting and the live-stream (and television broadcast).

If you are watching the meeting and calling in, please lower the volume on your computer or television during public comment so that you may be heard clearly. We ask that you identify yourself when calling in; citizens may also provide public comment for this meeting by emailing the Health Agent at ebecbe@truro-ma.gov with your comments.

I. PUBLIC COMMENT Please note that the Commonwealth's Open Meeting Law limits any discussion by members of the Board of an issue raised to whether that issue should be placed on a future agenda

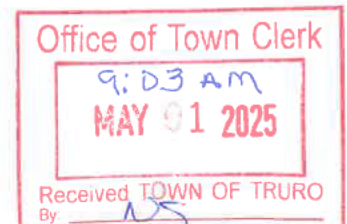
II. AGENDA ITEMS

1. **Change of Manager:** East Harbour, 618 Shore Road, Peters Property Management
2. **Change of Manager:** Salt Air, 82 Shore Road, Mike Ciulla
3. **Variance Request:** 24 Great Hills Road, Polly Waldman (*continued from 4/1/2025*)
4. **Variance Request:** 14 Great Hills Road & 3 Great Hills Lane, Dalsheimer Family Trust (*continued from 3/4/2025*) *The applicant has requested the variance application to be withdrawn.*
5. **Variance Request:** 34 Shore Road, Gretchen Tholen
6. **Definitive Subdivision** – 18 Hatch Road/3 Keezer Court
7. **Definitive Subdivision** – 18 Old County Road

III. MINUTES

IV. REPORTS

Report of the Chair
Health Agent's Report





TOWN OF TRURO

Health Department

P.O. Box 2030, Truro, MA 02666

PH: 508-349-7004, Ext. 131 Fax: 508-349-5508

Email: ebeebe@truro-ma.gov or adavis@truro-ma.gov

HEALTH DEPARTMENT
TOWN OF TRURO

NOV 22 2024

APPLICATION TO NAME A MANAGER

RECEIVED BY:

This application is used for a Change of Manager, Add Co-Managers or to Name a Property Management Company as Manager with the Board of Health

Section 1 - Business Information

Date: 11/18/2024

Print Name of Applicant: Peter's Property Management

Business Name or DBA to be managed: The East Harbour Number of Units: 14

Street Address of Business: 1018 Shore Rd Business Email: _____

Mailing Address of Business: (☐ Check if New Address) P.O. Box 898, N. Truro, MA 02642

Section 2 - Manager Information

Name of Previous Manager: RKM On-Site Manager Unit #: _____

Name of New Onsite Manager: _____ On-Site Manager Unit #: _____

Name of Property Management (10 Units or less): Peter's Property Management Co.

Mailing Address of New Manager and/or Property Management Company: P.O. Box 542

Provincetown MA 02657 Phone (24 hours/day): 508-487-0399 Email: _____

Name of Co-Managers: Rick Smith (NOT New) Unit # 9 Phone (24hrs/day): _____

Unit # _____ Phone (24hrs/day): _____

Unit # _____ Phone (24hrs/day): _____

Unit # _____ Phone (24hrs/day): _____

I have read & understand the Board of Health Manager Regulation, Section III, Article 4. Signature of New Manager, Co-Managers or Contact Person for Property Management is required.

Laurie Ferrari
SIGNATURE

LAURIE FERRARI
PRINT NAME

11/18/24
DATE

SIGNATURE

PRINT NAME

DATE

SIGNATURE

PRINT NAME

DATE

Section 3 - **Office Use Only**

Team Inspection
(If over 3yrs since last one)

Scheduled ☒ Date _____

Fee
\$45.00

Paid ☒

Board of Health Hearing

☒ Date _____

\$75.00

☒

SPRING

PAID

Courtney Warren

From: Courtney Warren
Sent: Thursday, April 10, 2025 10:23 AM
To: kathy@peterspropertymgmt.com
Subject: East Harbour Team Inspection report

Hi Kathy,

Below are my notes from the recent team inspection at East Harbour. The biggest issue is that unit 1 needs to have the smoke detector replaced and Unit 12 needs to put theirs back up. Unit 5's smoke detector was replaced at time of inspection. Please make sure that the screens on all windows/doors are in good condition before the rental season.

Neither the building commissioner nor the plumbing inspector had any issues.

Let me know if you have any questions.

Thanks.
Courtney

618 Shore Rd – East Harbour Condominiums – Team inspection report
April 8, 2025

General observations:

- All units have mini-splits and hot water
- None of the attached units (10-14) had a storm door at time of inspection. Housing code requires screens on all openings to the outside when renting.
- No bedroom count issues
- All screens should be checked for rips before the season, see specific notes below on some screens.

Specific Issues by unit:

Unit 10: Rip in screen on little window over the sink

Unit 11: Ripped screen that needs to be patched

Unit 12: Smoke detector down for the winter- needs to be reinstalled!

Unit 13: OK

Unit 14: OK

Unit 1: **Replace smoke detector**

Unit 2: OK

Unit 3: Ripped screen on living room window

Unit 4: OK

Unit 5: Needed new smoke detector but was replaced while team was still there.

Unit 6: OK

Unit 7: OK

Courtney Warren, REHS/RS
Asst. Health & Conservation Agent | Town of Truro

Rich 418 TEAM Insp.
12:30pm

**TOWN OF TRURO
INSPECTION REPORT**

DATE RECEIVED 4/7/25

OWNER East Harbour CONTACT PHONE# Laurie Ferrari
(508) 487-0399
LOCATION 618 Shore Rd 5-13
Address Map Parcel

- ☐ GAS
☐ PLUMBING
☐ ELECTRICAL
☒ BUILDING*

off-site
Chg. of MGR.

PERMIT # —

*If this is a final/CO inspection: ☐ Curb Cut Sign Off? ☐ Septic System Certified?

PASS X FAIL _____ OK TO CONTINUE _____

DATE INSPECTED 4-8-25 R108

COMMENTS _____



TOWN OF TRURO

Health Department

P.O. Box 2030, Truro, MA 02666

PH: 508-349-7004, Ext. 131 Fax: 508-349-5508

Email: ebeebe@truro-ma.gov or adavis@truro-ma.gov

RECEIVED BY

JAN 09 2025

TOWN OF TRURO
HEALTH DEPARTMENT

APPLICATION TO NAME A MANAGER

This application is used for a Change of Manager, Add Co-Managers or to Name a Property Management Company as Manager with the Board of Health

PAID
#1084

Section 1 - Business Information

Date: _____

Print Name of Applicant: Salt Air Cottages Condominium

Business Name or DBA to be managed: _____ Number of Units: 12

Street Address of Business: 82 Shore Rd, Truro, MA Business Email: Priscilla@RKMpropertymanagement.com

Mailing Address of Business: (☐ Check if New Address) 74 Shank Painter Rd, Provincetown, MA 02657

Section 2 - Manager Information

Name of Previous Manager: Amie Greenfield

Name of New Onsite Manager: Michael Ciulla

Site Manager Unit #: 5

Name of Property Management (10 Units or less): _____

Mailing Address of New Manager and/or Property Management Company: RKM Property Management

74 Shank Painter Rd, Provincetown, MA 02657 Phone (24 hours/day): 508-487-1621

Email: _____

info@rkmpropertymanagement.com

Name of Co-Managers:

Unit # _____ Phone (24hrs/day): _____

Unit # _____ Phone (24hrs/day): _____

Unit # _____ Phone (24hrs/day): _____

I have read & understand the Board of Health Manager Regulation, Section III, Article 4. Signature of New Manager, Co-Managers or Contact Person for Property Management is required.

Michael Ciulla
SIGNATURE

MICHAEL A CIULLA
PRINT NAME

1/8/25
DATE

SIGNATURE

PRINT NAME

DATE

SIGNATURE

PRINT NAME

DATE

Section 3 - Office Use Only

Team Inspection
(If over 3yrs since last one)

Scheduled ☐ N/A Date _____

Fee
\$45.00

Paid ☐

Board of Health Hearing

☐ _____

\$75.00

☒



CERTIFICATE OF ANALYSIS

49-25

Barnstable County Health Laboratory (M-MA009)

Report Prepared for:

Polly Waldman
24 Great Hills Road
Truro, MA, 02666

HEALTH DEPARTMENT
TOWN OF TRURO

JUN 26 2024

RECEIVED BY:

Order #: G24002067

Report Dated: 6/26/2024

Description: Routine - 24 Great Hills
Road, Truro

Laboratory ID#:

Sample #: G24002067-001

Collection Address: 24 Great Hills Road, Truro

Sample Location: 24 Great Hills Road

Matrix:

Drinking Water

Sampled:

6/6/2024

07:30:00

By: Customer

Received:

6/6/2024

11:15:00

By: tconnelly

Turn Around:

Standard

Analysis for residential well testing

ITEM	RESULT	UNITS	RL	MCL	METHOD #	ANALYST	TESTED	TIME
Nitrate	1.1	mg/L	0.10	10	EPA 300.0	CL	6/7/2024	
Copper	0.25	mg/L	0.10	1	EPA 200.8	CL	6/11/2024	15:21
Iron	0.10	mg/L	0.10	0.3	EPA 200.8	CL	6/11/2024	15:21
Manganese	ND	mg/L	0.025	0.05	EPA 200.8	CL	6/11/2024	15:21
Sodium	20	mg/L	2.5	20	EPA 200.8	CL	6/11/2024	15:21
Total Coliform	Absent	Present/Absent	0	0	SM9223B	RL	6/8/2024	15:24
Conductance	180	umhos/cm	2.0		EPA 120.1	RS	6/8/2024	12:21
pH	6.4	pH AT 25C	N/A		SM 4500-H-B	RS	6/8/2024	12:51

Sample Results Summary :

Based on the results of the parameters tested, the water is suitable for drinking.

Approved By: Dan White

On: 6/25/2024

ND = None Detected

RL = Reporting Limit

MCL = Maximum Contaminant Level

MDL = Minimum Detection Limit

3195 Main Street, PO. Box 427, Barnstable, MA 02630 Ph: 508-375-6605 - www.capecod.gov

Page 1 of 1

Arozana Davis

From: Benjamin Zehnder <bzehnder@zehnderllc.com>
Sent: Wednesday, April 16, 2025 9:21 AM
To: Emily Beebe; Courtney Warren; Arozana Davis
Cc: Tarja McGrail; Jim O'Connell [REDACTED]; Carla Davis
(cdavis@coastalengineeringcompany.com)
Subject: RE: 14 Great Hills Road and 3 Great Hill Lane - BOH Variance Request Application Filing

Hello Em:

I am requesting that the Great Hills variance application be withdrawn. Could you let me know if I need to attend the May 6 meeting?

My thanks and as always regards,

Ben

Benjamin E. Zehnder
Benjamin E. Zehnder, LLC
62 Route 6A, Unit B
Orleans, MA 02653
508.255.7766 – Office
508.246.4064 – Mobile
bzehnder@zehnderllc.com

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

MAIN OFFICE:

49 Herring Pond Road
Buzzards Bay, MA 02532
TEL: (508) 833-0070
FAX: (508) 833-2282

**NANTUCKET OFFICE:**

19 Old South Road
Nantucket, MA 02554
TEL: (508) 325-0044
www.brackeneng.com

April 8, 2025

FedEX & Email [EBeeBe@truro-ma.gov]

Truro Board of Health
Emily Beebe R.S.
Health & Conservation Agent
24 Town Hall Road
Truro, MA 02666

**RE: Truro Board of Health Variance & Local Upgrade Approval Request
Proposed Septic Upgrade 34 Shore Road (Map 36 Parcel 131)**

Dear Members of the Board:

Per 310 CMR 15.000 (Title 5), Truro Board of Health Regulations and on behalf of the owner/applicant, Gretchen Tholen please accept this letter as a request for the following variances from the Town of Truro Health Regulations and Local Upgrade Approval Requests per MA 310 CMR 15.000 for a proposed septic installation at the above referenced property. We request the following *Local Variances* to Article 9 of the Truro Board of Health Regulations:

- A 30'± *Local Variance* from the Truro Board of Health Regulations is requested for a 70'± setback from a septic tank to a wetland.
- A 33'± *Local Variance* from the Truro Board of Health Regulations is requested for a 67'± setback from a pump chamber to a wetland.
- A 110'± *Local Variance* from the Truro Board of Health Regulations is requested for a 40'± setback from a soil absorption system to a wetland.

In addition, we Request the following Local Upgrade Approvals per MA 310 CMR 15.405:

- 310 CMR 15.405(1)(a) – A 4'± *Local Upgrade Approval Waiver* from full compliance is requested for a 6'± setback to Shore Road from the proposed soil absorption system.
- 310 CMR 15.405(1)(a) – A 4'± *Local Upgrade Approval Waiver* from full compliance is requested for a 6' setback to #32 Shore Road from the proposed soil absorption system.
- 310 CMR 15.405(1)(e) – A 10'± *Local Upgrade Approval Waiver* from full compliance is requested for a 40'± setback from the Bordering Vegetated Wetland (B.V.W.) to the proposed soil absorption system.
- 310 CMR 15.405(1)(j) – A *Local Upgrade Approval Waiver* is requested for a reduction in the 12" required minimum separation distance from high groundwater to the inlet/outlet tees of the proposed septic tank.
- 310 CMR 15.405(1)(j) – A *Local Upgrade Approval Waiver* is requested for a reduction in the 12" required minimum separation distance from high groundwater to the inlet/outlet tees of the proposed pump chamber.

Bracken Engineering, Inc. is requesting that the Truro Board of Health deviate from the goal of full compliance by allowing the *Local Upgrade Approval and Local Variance* requests made above. The above requests are being made because of the size and topography on the lot, and its proximity to adjacent resource areas. The proposed design provides the best treatment and dispersal of effluent within the confines of the parcel and resource areas. It provides a significant improvement over the existing, non-conforming cesspool(s) located on the parcel.



Thank you for your time and consideration on this matter. We look forward to reviewing this project with the Board of Health at the May 6, 2025 Public Hearing. Should you have any questions regarding this project or require any further information please contact the undersigned at either 508-833-0070 or zac@brackeneng.com

Sincerely,

BRACKEN ENGINEERING INC.

A handwritten signature in blue ink, appearing to read 'Zachary L. Basinski', is written over a horizontal line.

Zachary L. Basinski, PE, CFM
Senior Project Manager
Agent for the Applicant



Fee: \$75.00



TRURO HEALTH &
CONSERVATION DEPARTMENT
24 Town Hall Road, Truro 02666

APPLICATION FOR BOARD OF HEALTH VARIANCES

Date: 04/08/2025

Property Owner's Name: Gretchen Tholen

Mailing Address: 2031 Ryans Run Landsdale PA, 19446

Address of Property: 34 Shore Road

Map and Parcel Number: Map # 36 Parcel # 131

Design Engineer/Sanitarian Zachary L. Basinski PE, CFM

Firm/Company Name: Bracken Engineering, Inc Phone #: 508-833-0070

Address: 49 Herring Pond Road Buzzards Bay, MA 02532

Please check type of variance requested:

☒ Title 5 Variance Request: Section See Variance Request Letter

☐ Board of Health Variance Request: Section/Article See Variance Request Letter


Signature (Representative)

BRACKEN ENG. INC.

4/8/25
Date


Signature (Property Owner)

BRACKEN ENG. INC - AGENT

4/8/25

MAIN OFFICE:
49 Herring Pond Road
Buzzards Bay, MA 02532
TEL: (508) 833-0070
FAX: (508) 833-2282



NANTUCKET OFFICE:
19 Old South Road
Nantucket, MA 02554
TEL: (508) 325-0044
www.brackeneng.com

April 8, 2025

Via Certified Mail

Re: Notice of Public Hearing

Dear Abutter:

In accordance with the State Environmental Code, Title 5: 310 CMR 15.00, you are hereby notified that **Gretchen Tholen** has requested the following variances from the Town of Truro Health Regulations and Local Upgrade Approval Requests per MA 310 CMR 15.000 for a proposed septic installation **34 Shore Road (Map 36 Parcel 131), Truro** where you are listed as an abutter.

- A 30'± *Local Variance* from the Truro Board of Health Regulations is requested for a 70'± setback from a septic tank to a wetland.
- A 33'± *Local Variance* from the Truro Board of Health Regulations is requested for a 67'± setback from a pump chamber to a wetland.
- A 110'± *Local Variance* from the Truro Board of Health Regulations is requested for a 40'± setback from a soil absorption system to a wetland.

In addition, we Request the following Local Upgrade Approvals per MA 310 CMR 15.405:

- 310 CMR 15.405(1)(a) – A 4'± *Local Upgrade Approval Waiver* from full compliance is requested for a 6'± setback to Shore Road from the proposed soil absorption system.
- 310 CMR 15.405(1)(a) – A 4'± *Local Upgrade Approval Waiver* from full compliance is requested for a 6' setback to #32 Shore Road from the proposed soil absorption system.
- 310 CMR 15.405(1)(e) – A 2'± *Local Upgrade Approval Waiver* from full compliance is requested for a 48'± setback from the Bordering Vegetated Wetland (B.V.W.) to the proposed soil absorption system.
- 310 CMR 15.405(1)(j) – A *Local Upgrade Approval Waiver* is requested for a reduction in the 12" required minimum separation distance from high groundwater to the inlet/outlet tees of the proposed septic tank.
- 310 CMR 15.405(1)(j) – A *Local Upgrade Approval Waiver* is requested for a reduction in the 12" required minimum separation distance from high groundwater to the inlet/outlet tees of the proposed pump chamber.

This HYBRID hearing is **tentatively** scheduled for Tuesday, May 6th at **4:30 p.m.** in the Select Board Chambers at the Truro Town Hall, 24 Town Hall Road. *Please confirm the date, time and location of the meeting with the Town, in case of any changes.* Information regarding the submission may be available for your review after April 25, 2025 by calling the Health Department at 508-214-0920, Monday through Friday from 8:00 a.m. until 4:00 p.m.

Meeting agendas are posted on the Town's website, <https://www.truro-ma.gov/node/2246/agenda/2025> no less than 48 hours in advance of the hearing. Should you have any questions or concerns, please do not hesitate to contact the undersigned at zac@brackeneng.com or the Health Department at 508-214-0920.

Sincerely,

BRACKEN ENGINEERING INC.

A handwritten signature in black ink, appearing to read 'Zachary L. Basinski', written over a horizontal line.

Zachary L. Basinski, PE, CFM
Senior Project Manager
Agent for the Applicant





TOWN OF TRURO

Assessors Office

Certified Abutters List

Request Form



DATE: 01/29/2025

NAME OF APPLICANT: Gretchen Tholen

NAME OF AGENT (if any): Robert E. Dewar, EIT of Bracken Engineering, Inc.

MAILING ADDRESS: 49 Herring Pond Road, Buzzards Bay, MA 02532

CONTACT: HOME/CELL 508-833-0070 EMAIL robert@brackeneng.com

PROPERTY LOCATION: 34 Shore Road

(street address)

PROPERTY IDENTIFICATION NUMBER: MAP 036 PARCEL 131 EXT. _____
(if condominium)

ABUTTERS LIST NEEDED FOR:

FEE: \$15.00 per checked item

(please check all applicable)

(Fee must accompany the application unless other arrangements are made)

☒ Board of Health⁵

Planning Board (PB)

Zoning Board of Appeals (ZBA)

☐ Cape Cod Commission

☐ Special Permit¹

☐ Special Permit¹

☒ Conservation Commission⁴

☐ Site Plan²

☐ Variance¹

☐ Licensing

☐ Preliminary Subdivision³

Type: _____

☐ Definitive Subdivision³

☐ Other _____

(Fee: Inquire with Assessors)

(Please Specify)

Note: Per M.G.L., processing may take up to 10 calendar days. Please plan accordingly.

THIS SECTION FOR ASSESSORS OFFICE USE ONLY

Date request received by Assessors: 2/4/2025

Date completed: 2/4/2025

List completed by: [Signature]

Date paid: 2/4/2025 Cash/Check #19281

¹ Abutters, owners of land directly opposite on any public or private street or way, and abutters to the abutters within 300 feet of the property line.

² Abutters to the subject property, abutters to the abutters, and owners of properties across the street from the subject property.

³ Landowners immediately bordering the proposed subdivision, landowners immediately bordering the immediate abutters, and landowners located across the streets and ways bordering the proposed subdivision. **Note:** For Definitive Subdivision only, responsibility of applicant to notify abutters and produce evidence as required.

⁴ All abutters within 300 feet of parcel, except Beach Point between Knowles Heights Road and Provincetown border, in which case it is all abutters within 100 feet. **Note:** Responsibility of applicant to notify abutters and produce evidence as required.

⁵ Abutters sharing any boundary or corner in any direction – including land across a street, river or stream. **Note:** Responsibility of applicant to notify abutters and produce evidence as required.



TRURO ASSESSORS OFFICE
PO Box 2012 Truro, MA 02666
Telephone: (508) 214-0921
Fax: (508) 349-5506

Date: February 4, 2025

To: Robert E. Dewar, of Bracken Engineering, Inc., Agents for Gretchen Tholen

From: Assessors Department

Certified Abutters List: 34 Shore Road (Map 36, Parcel 131)

Board of Health

Attached is a combined list of abutters for 34 Shore Road.

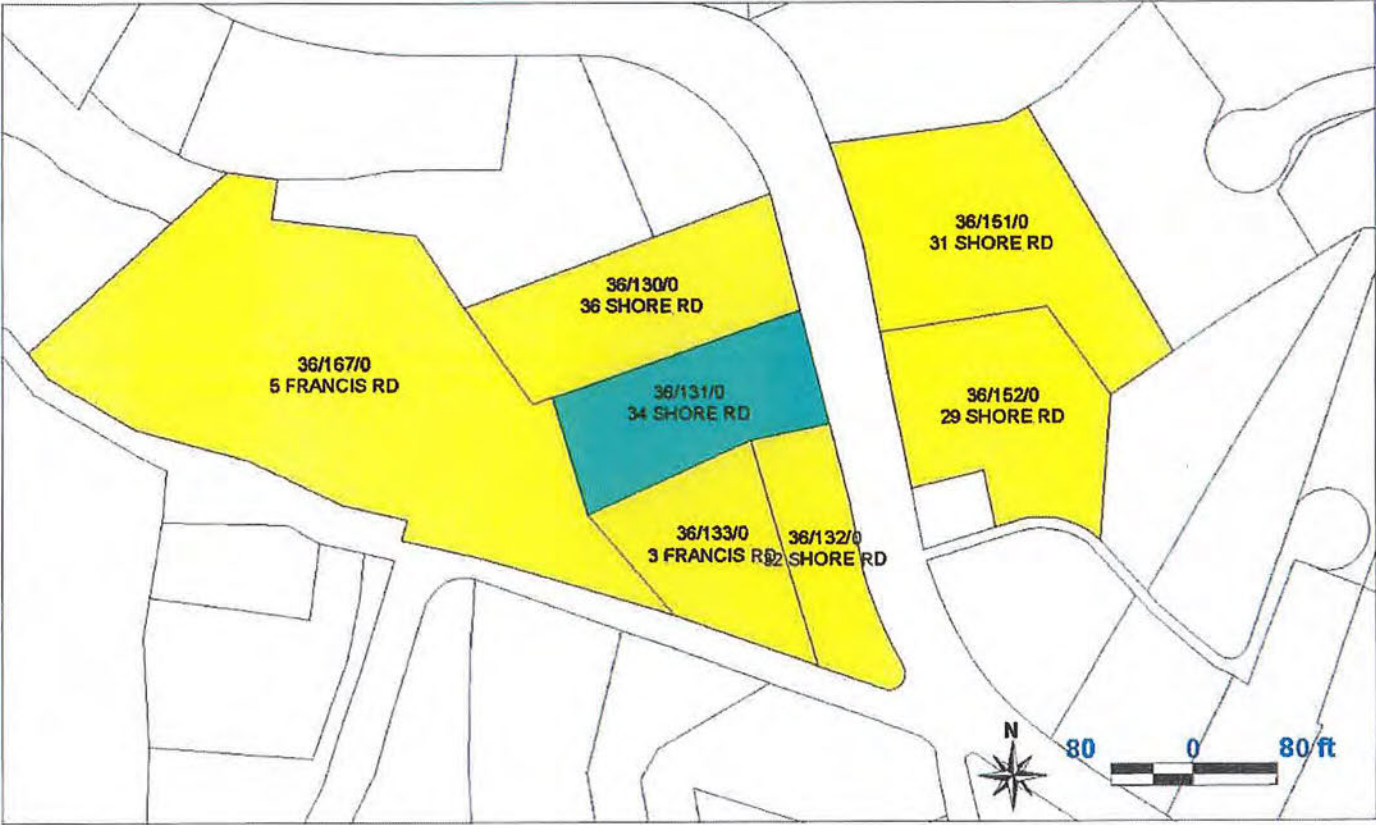
The current owner is Gretchen M. Tholen.

The names and addresses of the abutters are as of January 31, 2025 according to the most recent documents received from the Barnstable County Registry of Deeds.

Certified by:

Olga Farrell
Assessing Clerk

Custom Abutters List



Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	Zip/Cd/Country
1017	36-130-0-E	TOWN OF TRURO	36 SHORE RD	PO BOX 2030	TRURO	MA	02666-2030
1019	36-132-0-R	CHRISTIAN UNION CHURCH	32 SHORE RD	PO BOX 187	NO TRURO	MA	02652-0187
1020	36-133-0-R	HIGGINS CHRISTMAS	3 FRANCIS RD	C/O MADDEN JOAN 25 CLIFF STREET	WESTON	MA	02493
1037	36-151-0-R	31 SHORE ROAD LLC MGRS: MATTHIAS KAYHOE &	31 SHORE RD	LISA LAFONTAINE 2367 49TH ST NW	WASHINGTON	DC	20007
1038	36-152-0-R	HOLWAY JEFFREY M & MCCABE KAREN A	29 SHORE RD	PO BOX 584	NO TRURO	MA	02652-0584
1053	36-167-0-R	HRS/DEVIS OF PETERS THOMAS H	5 FRANCIS RD	PO BOX 910	SO WELLFLEET	MA	02663-0910

Handwritten signature
2/4/2025

36-130-0-E

TOWN OF TRURO
PO BOX 2030
TRURO, MA 02666-2030

36-132-0-R

CHRISTIAN UNION CHURCH
PO BOX 187
NO TRURO, MA 02652-0187

36-133-0-R

HIGGINS CHRISTMAS
C/O MADDEN JOAN
25 CLIFF STREET
WESTON, MA 02493

36-151-0-R

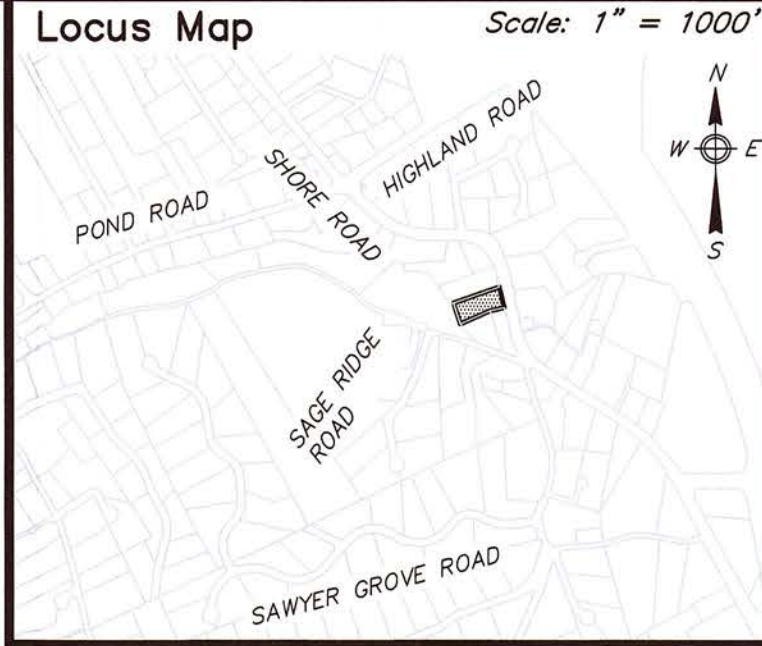
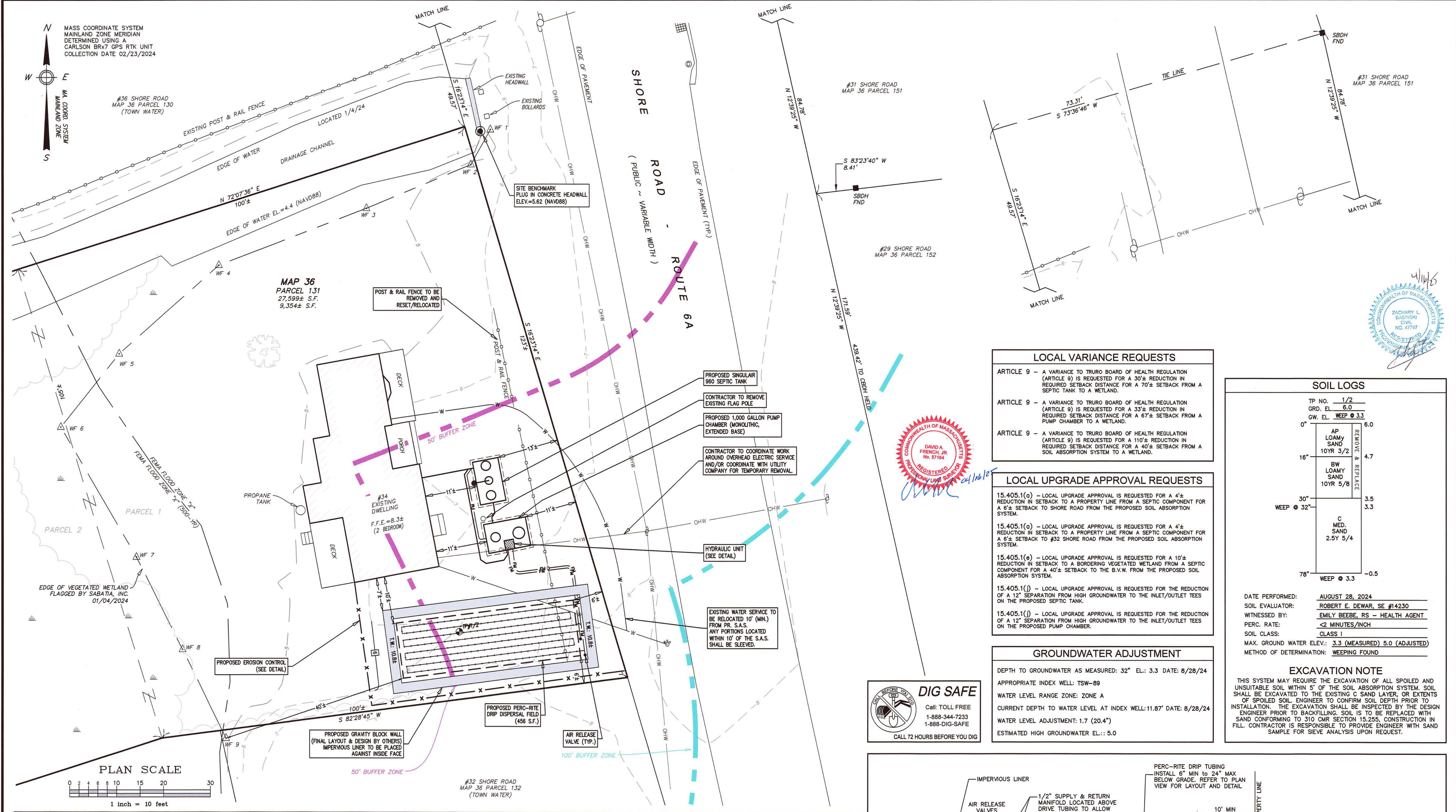
31 SHORE ROAD LLC
MGRS: MATTHIAS KAYHOE &
LISA LAFONTAINE
2367 49TH ST NW
WASHINGTON, DC 20007

36-152-0-R

HOLWAY JEFFREY M &
MCCABE KAREN A
PO BOX 584
NO TRURO, MA 02652-0584

36-167-0-R

HRS/DEVIS OF PETERS THOMAS H
PO BOX 910
SO WELLFLEET, MA 02663-0910



- ### Notes
- BENCHMARK: ELEVATION = 5.62 (NAVD88) PLUG IN CONCRETE HEADWALL
 - ALL CONSTRUCTION METHODS AND MATERIALS TO CONFORM TO TITLE 5 AND THE TOWN OF TRURO BOARD OF HEALTH REGULATIONS.
 - ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.
 - NO FIELD MODIFICATION TO THE SYSTEM SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE DESIGN ENGINEER AND BOARD OF HEALTH.
 - ALL JOINTS AND COVERS TO BE WATERTIGHT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES.
 - A CERTIFICATE OF COMPLIANCE MUST BE OBTAINED PRIOR TO BACKFILLING SYSTEM.
 - OWNER: GRETCHEN M. THOLEN 2031 RYANS RUN LANDSDALE PA, 19446
 - DEED REFERENCE: BK 33672 PG 162
 - PLAN REFERENCE: 1915 LAYOUT #1659 SHEET 12 1925 ALTERATION #2268 SHEET 9 1970 DISCONTINUANCE #5862 (SHEETS 8 & 9) Bk: 66 Pg: 113, Bk: 330 Pg: 78 Bk: 406 Pg: 3, Bk: 492 Pg: 7
 - THE DESIGN IS INTENDED TO MEET TITLE 5 AND OTHER APPLICABLE REQUIREMENTS. THIS PLAN DOES NOT GUARANTEE THAT THE SYSTEM WILL BE INSTALLED AS DESIGNED, NOR DOES THIS PLAN GUARANTEE THE OPERATION OF THE SYSTEM.
 - THIS SYSTEM IS NOT DESIGNED NOR INTENDED FOR USE WITH A GARBAGE GRINDER.
 - THE SYSTEM OWNER SHALL BE RESPONSIBLE TO PUMP THE SEPTIC TANK AT LEAST ONCE EVERY THREE YEARS.
 - LOCUS DOES NOT FALL WITHIN A ZONE II WELLHEAD PROTECTION AREA.
 - LOCUS DOES NOT FALL WITHIN THE NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM (NHESP) AREAS OF ESTIMATED HABITATS OF RARE WILDLIFE AND PRIORITY HABITATS OF RARE SPECIES.
 - LOCUS PARTIALLY FALLS WITHIN SPECIAL FLOOD HAZARD AREA (SFHA) "X" AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP No. 25001C-0137-J dated 07/16/2014. SFHA BOUNDARIES DETERMINED BY THE NATIONAL FLOOD HAZARD INSURANCE POLICY (NFIP) ARE APPROXIMATE AND POTENTIALLY DO NOT IDENTIFY ALL EXISTING AND/OR FUTURE RISKS ASSOCIATED WITH THE ADJACENT FLOODING SOURCES. OWNER/CLIENT SHALL CONSULT WITH A PROFESSIONAL ENGINEER, ARCHITECT, AND/OR CERTIFIED FLOODPLAIN MANAGER TO ESTABLISH AND REVIEW POTENTIAL RISKS ASSOCIATED WITH THE IDENTIFIED SFHA, NOT SHOWN ON THE MAPS.
 - LOCUS DOES NOT FALL WITHIN ANY MA DEP DESIGNATED NITROGEN SENSITIVE AREA.
 - SOIL CONDITIONS ENCOUNTERED DURING EXCAVATION MAY DIFFER FROM THE PREVIOUSLY OBSERVED CONDITIONS AT THE TEST PITS. ADDITIONAL REMOVAL AND REPLACEMENT OF SOIL MAY BE REQUIRED IF UNDESIRABLE CONDITIONS ARE ENCOUNTERED. THE DESIGN ENGINEER SHALL BE CONSULTED IF SUCH SUCH CONDITIONS ARE FOUND.
 - ANY UNAPPROVED FIELD MODIFICATIONS TO THE PROPOSED SOIL ABSORPTION SYSTEM SHALL BE REMEDIATED AT THE SOLE COST OF THE CONTRACTOR, IF ENCOUNTERED.
 - UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 - THE ENGINEER SHALL BE GIVEN A MINIMUM OF 48 HOURS NOTICE FOR ALL INSPECTIONS AND/OR REQUIRED SURVEY WORK.

LOCAL VARIANCE REQUESTS

ARTICLE 9 - A VARIANCE TO TRURO BOARD OF HEALTH REGULATION (ARTICLE 9) IS REQUESTED FOR A 30'± REDUCTION IN REQUIRED SETBACK DISTANCE FOR A 70'± SETBACK FROM A SEPTIC TANK TO A WETLAND.

ARTICLE 9 - A VARIANCE TO TRURO BOARD OF HEALTH REGULATION (ARTICLE 9) IS REQUESTED FOR A 33'± REDUCTION IN REQUIRED SETBACK DISTANCE FOR A 67'± SETBACK FROM A PUMP CHAMBER TO A WETLAND.

ARTICLE 9 - A VARIANCE TO TRURO BOARD OF HEALTH REGULATION (ARTICLE 9) IS REQUESTED FOR A 110'± REDUCTION IN REQUIRED SETBACK DISTANCE FOR A 40'± SETBACK FROM A SOIL ABSORPTION SYSTEM TO A WETLAND.

LOCAL UPGRADE APPROVAL REQUESTS

15.405.1(g) - LOCAL UPGRADE APPROVAL IS REQUESTED FOR A 4'± REDUCTION IN SETBACK TO A PROPERTY LINE FROM A SEPTIC COMPONENT FOR A 6'± SETBACK TO SHORE ROAD FROM THE PROPOSED SOIL ABSORPTION SYSTEM.

15.405.1(h) - LOCAL UPGRADE APPROVAL IS REQUESTED FOR A 4'± REDUCTION IN SETBACK TO A PROPERTY LINE FROM A SEPTIC COMPONENT FOR A 6'± SETBACK TO #31 SHORE ROAD FROM THE PROPOSED SOIL ABSORPTION SYSTEM.

15.405.1(i) - LOCAL UPGRADE APPROVAL IS REQUESTED FOR A 10'± REDUCTION IN SETBACK TO A BORDERING VEGETATED WETLAND FROM A SEPTIC COMPONENT FOR A 40'± SETBACK TO THE B.V.W. FROM THE PROPOSED SOIL ABSORPTION SYSTEM.

15.405.1(j) - LOCAL UPGRADE APPROVAL IS REQUESTED FOR THE REDUCTION OF A 12' SEPARATION FROM HIGH GROUNDWATER TO THE INLET/OUTLET TEES ON THE PROPOSED SEPTIC TANK.

15.405.1(k) - LOCAL UPGRADE APPROVAL IS REQUESTED FOR THE REDUCTION OF A 12' SEPARATION FROM HIGH GROUNDWATER TO THE INLET/OUTLET TEES ON THE PROPOSED PUMP CHAMBER.

GROUNDWATER ADJUSTMENT

DEPTH TO GROUNDWATER AS MEASURED: 32' EL.: 3.3 DATE: 8/28/24

APPROPRIATE INDEX WELL: TSW-89

WATER LEVEL RANGE ZONE: ZONE A

CURRENT DEPTH TO WATER LEVEL AT INDEX WELL: 11.87' DATE: 8/28/24

WATER LEVEL ADJUSTMENT: 1.7 (20.4")

ESTIMATED HIGH GROUNDWATER EL.: 5.0

SOIL LOGS

TP NO. 1/2	GRD. EL. 6.0	GW. EL. WEEP @ 3.3
AP LOAMY SAND 10YR 3/2	REMOVE & REPLACE	
BW LOAMY SAND 10YR 5/8		
C MED. SAND 2.5Y 5/4		
WEED @ 32'		
WEED @ 3.3		

DATE PERFORMED: AUGUST 28, 2024

SOIL EVALUATOR: ROBERT E. DEWAR, SE #14230

WITNESSED BY: EMILY BEEBE, RS - HEALTH AGENT

PERC. RATE: <2 MINUTES/INCH

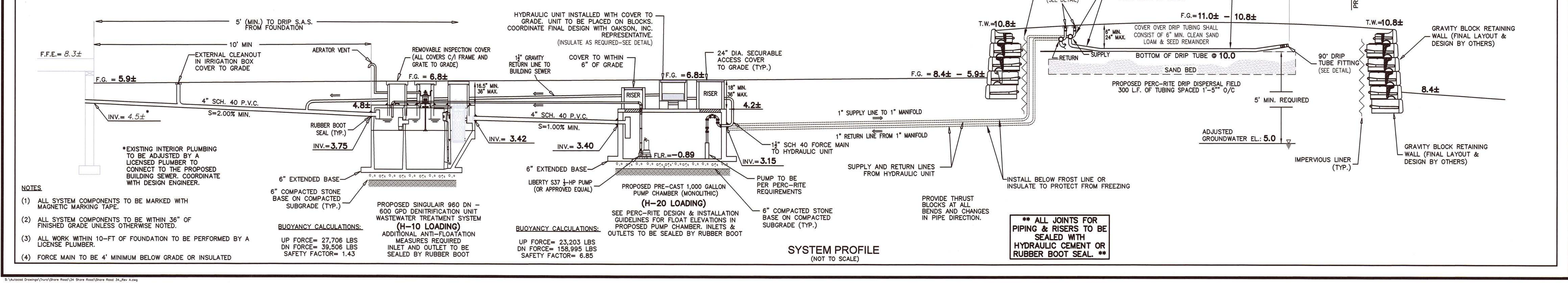
SOIL CLASS: CLASS 1

MAX. GROUND WATER ELEV.: 3.3 (MEASURED) 5.0 (ADJUSTED)

METHOD OF DETERMINATION: WEEPING FOUND

EXCAVATION NOTE

THIS SYSTEM MAY REQUIRE THE EXCAVATION OF ALL SPOILED AND UNSUITABLE SOIL WITHIN 5' OF THE SOIL ABSORPTION SYSTEM. SOIL SHALL BE EXCAVATED TO THE EXISTING C SAND LAYER, OR EXTENTS OF SPOILED SOIL. ENGINEER TO CONFIRM SOIL DEPTH PRIOR TO INSTALLATION. THE EXCAVATION SHALL BE INSPECTED BY THE DESIGN ENGINEER PRIOR TO BACKFILLING. SOIL IS TO BE REPLACED WITH SAND CONFORMING TO 310 OUR SECTION 15.255. CONSTRUCTION IN FILL. CONTRACTOR IS RESPONSIBLE TO PROVIDE ENGINEER WITH SAND SAMPLE FOR SIEVE ANALYSIS UPON REQUEST.



Prepared By:

BRACKEN ENGINEERING, INC.

49 HERRING POND ROAD BUZZARDS BAY, MA 02532 (tel) 508.833.0070 (fax) 508.833.2282

19 OLD SOUTH ROAD NAUTUCKET, MA 02554 (tel) 508.325.0044 (www.brackeneng.com)

PROPOSED SUBSURFACE SEWAGE DISPOSAL PLAN IN TRURO, MASSACHUSETTS

Prepared For: GRETCHEN M. THOLEN

34 SHORE ROAD MAP: 36 PARCEL 131

No.	Date	Revision	Description	By
1	4/16/25	NO CHANGE - SEE SHEET 2		RED

Date: MARCH 31, 2025 Drawn: RED/COM/BEI Checked: ZLB/DAF Sheet: 1 of 2



TOWN OF TRURO
HEALTH & CONSERVATION DEPARTMENT
24 Town Hall Road, Truro 02666
508-349-7004 x119

To: Board of Health *CW*

From: Courtney Warren, Asst. Health & Conservation Agent

Date: May 1, 2025

Re: 18 Hatch Road/3 Keezer Ct. definitive subdivision application

Existing conditions:

- 18 Hatch Road, ~1.99 acres, currently vacant
- 18A Hatch Road was transferred to the Truro Conservation Trust (Land Court Cert #182,986) and is not part of this proposal.
- 3 Keezer Court, ~ 1.4 acres, developed with a 3-sided storage structure (lean-to), permitted April 4, 1977 (BP#77-22)
- Keezer Court appears to be a paper road

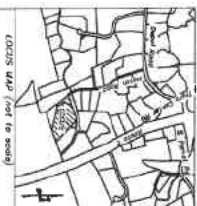
Proposal:

Proposing to reconfigure two existing lots (18 Hatch Road and 3 Keezer Court) into 5 lots. Three proposed lots would be too small to be buildable (3,269 sq ft., 9,510 sq. ft., and 14,451 sq ft). The 14, 451 sq. ft parcel will form Keezer Court.

- The two larger lots are:
 - "Lot 26" at ~2.62 acres
 - "Lot 27" at ~34,125 sq. ft.
- No wetland resources are found on either parcel and the closest wetland appears to be approximately 650+ feet to the north from the edge of these parcels.
- The parcels are in an NHESP – Priority Habitat of Rare Wildlife area.
- Groundwater appears at ~6' (NAVD 88)

Recommendation:

- Since both Lot 26 and Lot 27 have suitable area to develop residentially recommend sending a letter without reservation to the Planning Board.



Date of Preliminary Application N/A
Date of Preliminary Approval N/A
Date of Certificate of Approval N/A
Date of Certificate of Approval N/A
Date of Certificate of Approval N/A

Town Board of Health
Approved Date _____

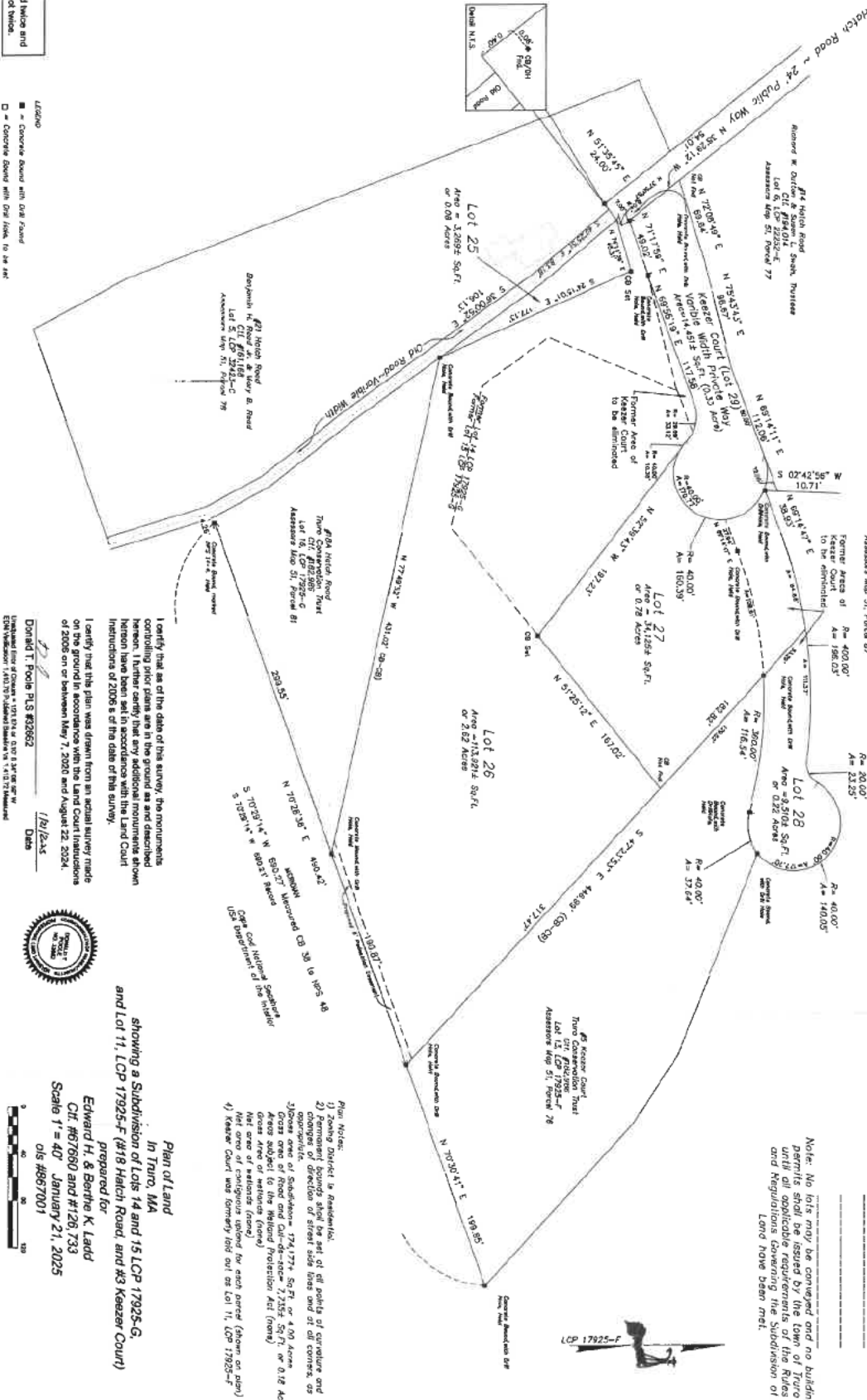
NOTED: This plan was prepared by the Town of Turin, Massachusetts, and is subject to the provisions of the Massachusetts General Laws, Chapter 40A, Section 24, and Chapter 40B, Section 2A.

Notar requested from the Rules and Regulations of the Town of Turin, Massachusetts, and is subject to the provisions of the Massachusetts General Laws, Chapter 40A, Section 24, and Chapter 40B, Section 2A.

Lot 25 does not have sufficient frontage or side frontage to be a separate lot and is to become and remain a part of Lot 26.

Lot 28 is the former right of way for the former Court and is to be conveyed to the Town of Turin, Massachusetts.

Note: No lots may be conveyed and no building permits shall be issued by the Town of Turin until all applicable requirements of the Rules and Regulations of the Town of Turin, Massachusetts, are met.



NOTE:
For all side shots, angles are turned twice and averaged, and the distances are shot twice.

Legend:
- Concrete Drive with Ditch Road to be set
- Concrete Drive with Ditch Road to be set

Donald T. Poon, PLS #32652
1/18/24



Plan of Land
In Turin, MA
showing a Subdivision of Lots 14 and 15 LCP 17925-G,
and Lot 11, LCP 17925-F (Hatch Road, and Keesee Court)
prepared for
Edward H. & Bertha K. Ladd
CH #67660 and #126,733
Scale 1" = 40' January 21, 2025
CH #667001



TOWN OF TRURO
HEALTH & CONSERVATION DEPARTMENT
24 Town Hall Road, Truro 02666
508-349-7004 x119

To: Board of Health

From: Emily Beebe, Health & Conservation Agent

Date: May 2, 2025

Re: 18 Old County Road- Proposed Definitive subdivision

Proposal:

This proposal will divide a single 3.92-acre parcel into 2 parcels.

The parcel is currently developed with a single-family dwelling, garage/studio and the property is served by a private well and a compliant title 5 septic system.

2-acres will be retained for the developed elements, and the balance of the area will be included in the second lot, and this will be gifted to the Truro Conservation Trust.

The proposed subdivision does not conflict with, or create any noncompliance with Title five or the Truro Board of Health regulations.

18 Old County Road
Map 50, Parcel 104
Planning Board-
Preliminary Subdivision

TOWN OF TRURO, MA
BOARD OF ASSESSORS
P.O. BOX 2012, TRURO MA 02666

Abutters List Within 300 feet of Parcel 50/104/0



Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
7292	40-998-0-E	USA-DEPT OF INTERIOR Cape Cod National Seashore	0 CAPE COD NATIONAL SEASHORE	99 Marconi Site Rd	Wellfleet	MA	02667
2832	50-47-0-R	FENICHEL PAUL & NANCY	2 MARIAN LN	PO BOX 459	TRURO	MA	02666-0459
2834	50-49-0-R	21 OLD COUNTY RD REVOC FAM TRS TRS: M & K LAMATTINA	21 OLD COUNTY RD	199 CENTER ST	GROVELAND	MA	01834
2883	50-102-0-R	REDO MARTHA	22 OLD COUNTY RD	201 GILLESPIE DR #13204	FRANKLIN	TN	37067
2884	50-103-0-R	LAPIENE RICHARD A & JEAN-MARIE	1 ATWOOD LN	61 WHITE BIRCH RD	EAST HAMPTON	CT	06424-1331
2885	50-104-0-R	JENETTE S KERR REV TRST 2018 TRS: JENETTE S KERR	18 OLD COUNTY RD	PO BOX 741	TRURO	MA	02666
2886	50-105-0-R	ST ONGE JANET L	12 OLD COUNTY RD	PO BOX 31	TRURO	MA	02666-0031
2887	50-106-0-R	KRASH JESSICA ANNE & C/O HOLSBERRY HEYMISH LLC	10 OLD COUNTY RD	4824 LANGDRUM LN	CHEVY CHASE	MD	20815
2894	50-114-0-R	KRASH JESSICA ANNE & C/O HOLSBERRY HEYMISH LLC	11 HOLSBERRY RD	2824 LANGDRUM LN	CHEVY CHASE	MD	20815
2943	50-164-0-R	KRASH JESSICA ANNE & KRASH CARLA BETH	14 OLD COUNTY RD	4824 LANGDRUM LN	CHEVY CHASE	MD	20815
2995	50-227-0-R	DAVOL SAMUEL B	5 GRIDLEY BROOK LN	280 NEVINS ST, APT 2-9	BROOKLYN	NY	11217
3004	50-237-0-R	PAMET ASSET TRUST TRS: BINGHAM ERIC & CATHERINE	11 OLD COUNTY RD	PO BOX 755	TRURO	MA	02666
3005	50-238-0-R	NEEDHAM DONNA L & ST ONGE JANET L	13 OLD COUNTY RD	PO BOX 31	TRURO	MA	02666-0031
3020	50-256-0-R	MANDELBAUM DAVID G & KATHY C	1 MARIAN LN	71 MERBROOK BEND	MERION STATION	PA	19066
3022	50-258-0-R	DAVOL ANGUS P	2 GRIDLEY BROOK LN	3955 19TH ST	SAN FRANCISCO	CA	94114

Handwritten signature/initials

3/7/2025

Page

1

Year in Review

FY26 PRIORITIES AND STRATEGIC PLANNING

10 April, 2025



TOWN THERAPIST

Providing home based individual therapy for all ages

Immediate access for municipal departments

Piloted need for group based supports at COA

Referrals: 124

Wellfleet- 36

Truro- 25

Eastham- 27

Provincetown- 31



TOWN NURSE



Role

Addressing chronic, complex health conditions

Developing individually tailored interventions

Bringing clinical support into resident homes

Providing on-going care coordination with support team

Intentionally different scope than VNA/County offering

Referrals: 92

Wellfleet- 28

Truro- 13

Eastham- 22

Provincetown 25



NEEDS ASSESSMENT RESULT



Housing

- Year- round rentals
- Affordability
- Rental Assistance programs
- Impact on aging communities



Access to Healthcare

- Primary Care
- Specialty Care
- Dental
- Transportation



Food/Nutrition

- Access to healthy, fresh foods
- Nutritional information/support
- Delivery programs



Behavioral Health/SUD

- Anxiety/Panic Attacks
- Depression
- ADHD
- Self Harm
- Social Phobias, School Avoidance



CHIP IDENTIFIED GOALS

Mental Health

- *Address stigma through community trainings*
- *Expand community education regarding available resources*
- *Focus on positive social connection for all groups*

Healthcare Access

- *Reimagining clinics and screenings, current strategies*
- *Address transportation barriers*
- *Expand capacity/resource for town nurse*

Access to Services/Food

- *Contribute data to identifies gaps*
- *Work collaboratively to provide comprehensive resource information (food, opioid, etc)*



BENCHMARKS FY26

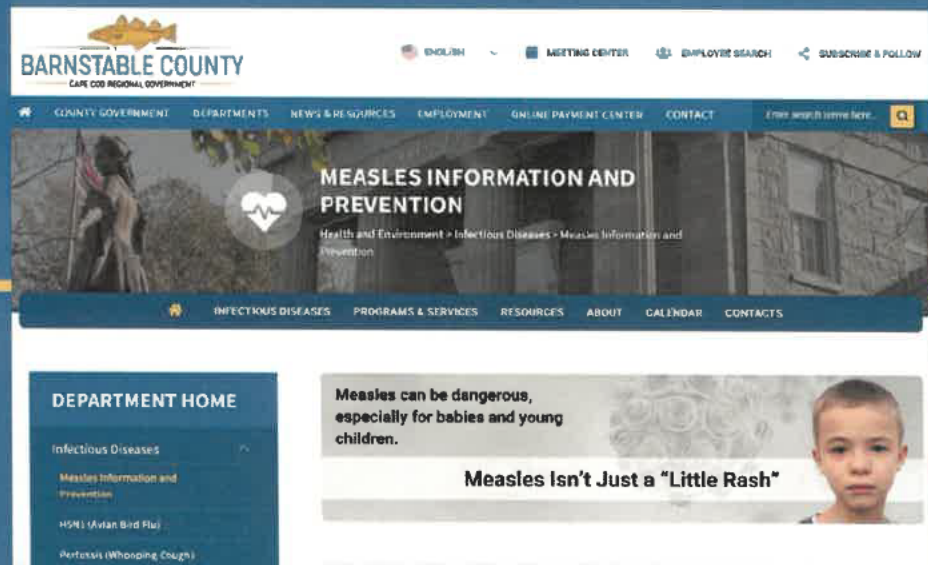
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What YOU can do:

#1: Know your immunization status

#2: Visit capecod.gov/measles



Public Health Response

- **Working the case:** case identification, investigation, source exposure tracing, prospective contact tracing, isolation
- **Managing contacts:** reviewing evidence of immunity, post-exposure prophylaxis (vaccine or immunoglobulin), quarantine
- **Preventing spread:** vaccination clinics, coordination with other vaccinating agencies
- **Information sharing:** current situation and data, combating misinformation/disinformation, cultural competency, translation
 - **Barnstable County CARE Line available to field community questions. Contact us:**
 - **By Phone:** (774) 330-3001
 - **By Email:** CARE@capecod.gov
- **Partnerships:** collaborating with trusted messengers, coordinating across agencies, Incident Command or Multi-Agency Coordination



Public Health Preparedness

Vaccination clinics

- **Every Tuesday/Thursday:** Barnstable County Public Health Nurses provide vaccine clinics onsite at Barnstable County Department of Health and Environment
 - Call to schedule an appointment: (508) 375-6617
 - Measles vaccines are available for both children and adults
 - As a CDC certified travel clinic, we follow CDC recommendations for vaccinating susceptible individuals prior to International travel
- **Spring 2025:** Planning regional vaccine clinics in the community, throughout Barnstable County
 - Supported by the Public Health Excellence Grant



Public Health Preparedness

- **Communications**

- Hospital & healthcare provider awareness, reporting, testing
- Public education: CapeCod.gov/measles website, social media

- **Partnership building**

- Cape & Islands Health Agent Coalition
- Regional disease investigation coordination
- Visiting Nurse Association of Cape Cod
- Pediatricians
- Schools

- **Training & Drilling**

- Tabletop





Public Health Preparedness & Response



High MMR coverage generally, but pockets of unvaccinated remain vulnerable

At local levels, vaccine coverage rates may vary considerably, and pockets of unvaccinated people can exist in states with high vaccination coverage.

When measles gets into communities of unvaccinated people, outbreaks can occur.

Proactive action: Barnstable County is working with partners to identify under-vaccinated communities and coordinating approaches to offer vaccination.



Kindergarten Immunization & Exemption Rates by County, 2023-2024



County	Number of Schools Surveyed	Number of Children	2 MMR (Sorted)	Medical Exemption	Religious Exemption	Total Exemption	Totally Un-immunized
Middlesex	309	16,242	97.8%	0.2%	0.9%	1.1%	0.4%
Norfolk	145	7,009	97.7%	0.2%	0.8%	1.1%	0.3%
Bristol	107	5,636	97.4%	0.2%	1.5%	1.7%	0.6%
Essex	169	8,274	97.0%	0.1%	1.2%	1.3%	0.6%
Hampshire	32	1,045	96.6%	0.5%	1.9%	2.4%	0.9%
Worcester	161	8,308	95.9%	0.2%	1.6%	1.7%	0.8%
Dukes	7	165	95.8%	0.6%	4.2%	4.8%	1.2%
Plymouth	84	5,479	95.7%	0.1%	1.5%	1.6%	0.6%
Barnstable	34	1,473	93.9%	0.5%	3.1%	3.5%	1.2%
Suffolk	133	5,696	93.8%	0.1%	0.5%	0.6%	0.2%
Nantucket	3	119	93.3%	0%	2.5%	2.5%	0.8%
Berkshire	39	964	92.8%	0.1%	1.9%	2.0%	1.0%
Hampden	104	4,573	92.6%	0.2%	1.9%	2.1%	1.1%
Franklin	26	441	92.5%	0%	2.5%	2.5%	0.9%
Grand Total	1,353	65,424	96.3%	0.2%	1.2%	1.4%	0.6%

Source:
MA DPH

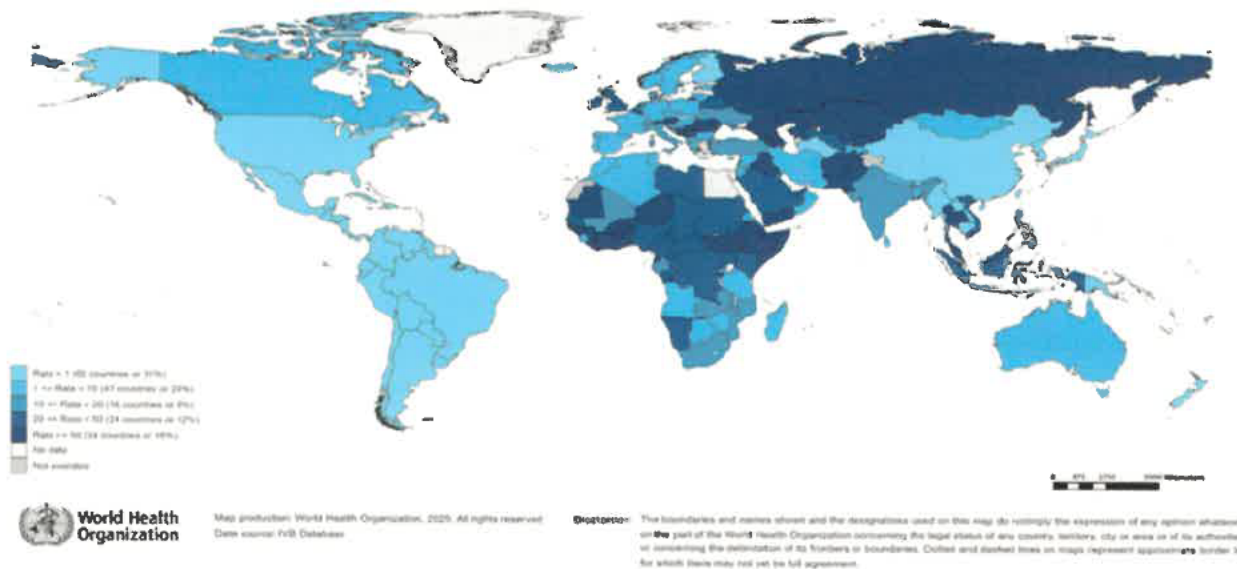
1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

95% = threshold for herd immunity



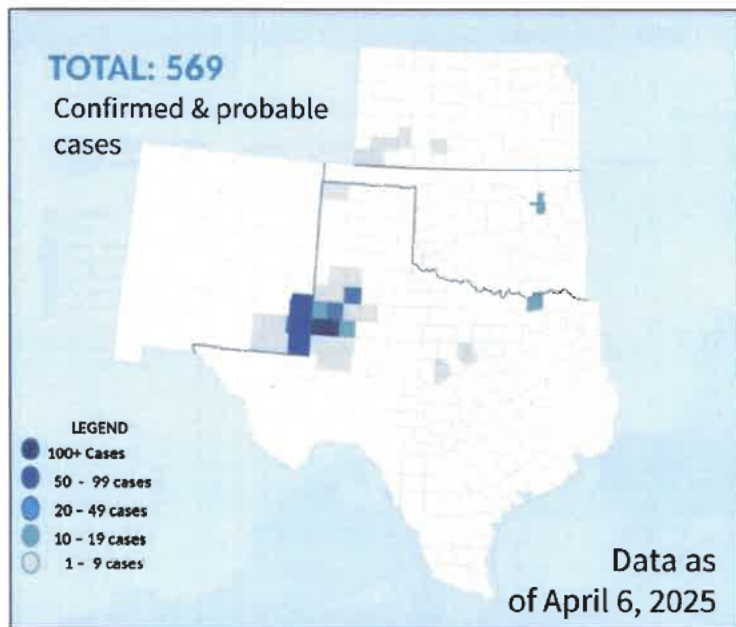
Sporadic Cases across US from Travelers

Measles Incidence Rate per Million (12M period)



- “The Worst Souvenir”
- 7% of US cases are **travel-acquired, non-outbreak cases**
- Measles outbreaks are happening in every region of the world
- Travelers are **strongly recommended to get vaccinated prior to travel**





Outbreaks in the US

- **6 outbreaks = 93% of cases**
 - **Extra-Large:** Texas (with transmission to New Mexico, Oklahoma, and Mexico)
 - **Medium:** Kansas, Ohio
 - **Small:** New Jersey, Georgia
- Outbreaks can balloon quickly among tight-knit, under-vaccinated communities

MORBIDITY AND MORTALITY			
STATE	CASES	HOSPITALIZATIONS	DEATHS
TX	481	56	2
NM	54	2	1
OK	10	0	0
KS	24	0	0
TOTAL	569	58	3

*The situation is still developing. Numbers are expected to increase.

Source: [CDC](#)



Measles Spreads among Unvaccinated

- Measles is primarily a disease of people **who are not already immune from vaccination or previous infection** - also referred to as susceptible
 - Among the >600 cases in the US in 2025:
 - **97%** of cases have been unvaccinated or have unknown vaccination status
 - 1% had 1 dose of MMR
 - 2% had 2 doses of MMR

The measles component of MMR vaccine is one of **the most effective vaccines we have:**

1 dose of MMR is **93%** effective against measles
2 doses of MMR is **97%** effective

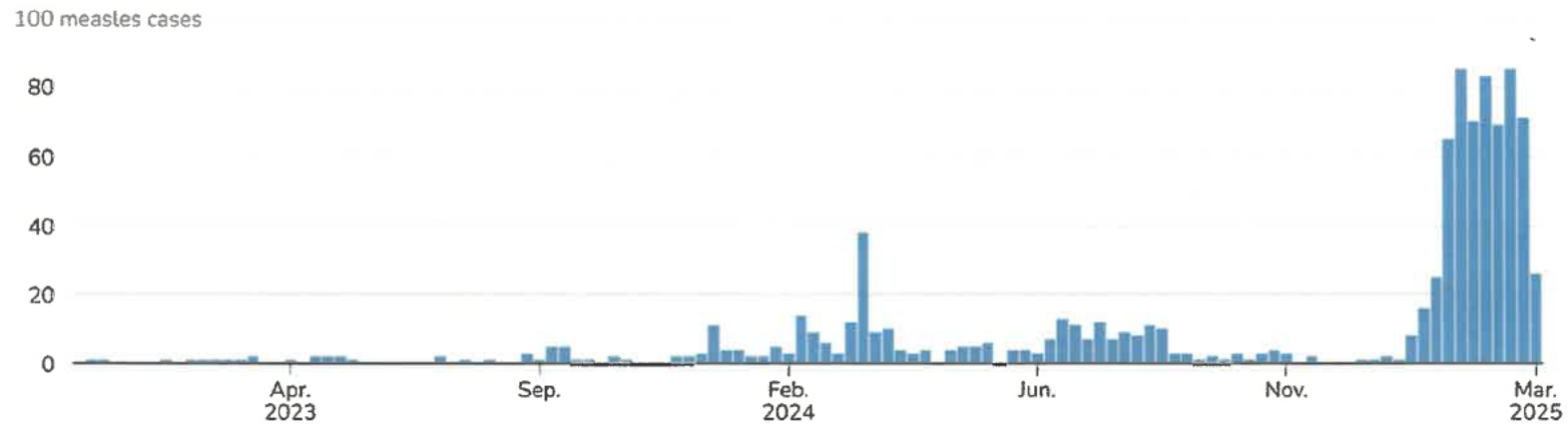
Source: [CDC](#)



Measles in the US, by Week

Weekly measles cases by rash onset date

2023–2025* (as of April 3, 2025)



Source: [CDC](#)



Measles in the US, by Year

CDC presents *confirmed* case counts.

2000-Present*

1985-Present*

1,400 measles cases

1,200

1,000

800

600

400

200

0

2000

2005

2010

2015

2020

2025

1,274

13

49

121

59

285

Should this pace
continue...

~2,400



Source: [CDC](#)

Measles in the US, by Year

CDC presents *confirmed* case counts.

2000-Present*

1985-Present*

1,400 measles cases

1,200

1,000

800

600

400

200

0

2000

2005

2010

2015

2020

2025

1,274

13

49

121

59

285

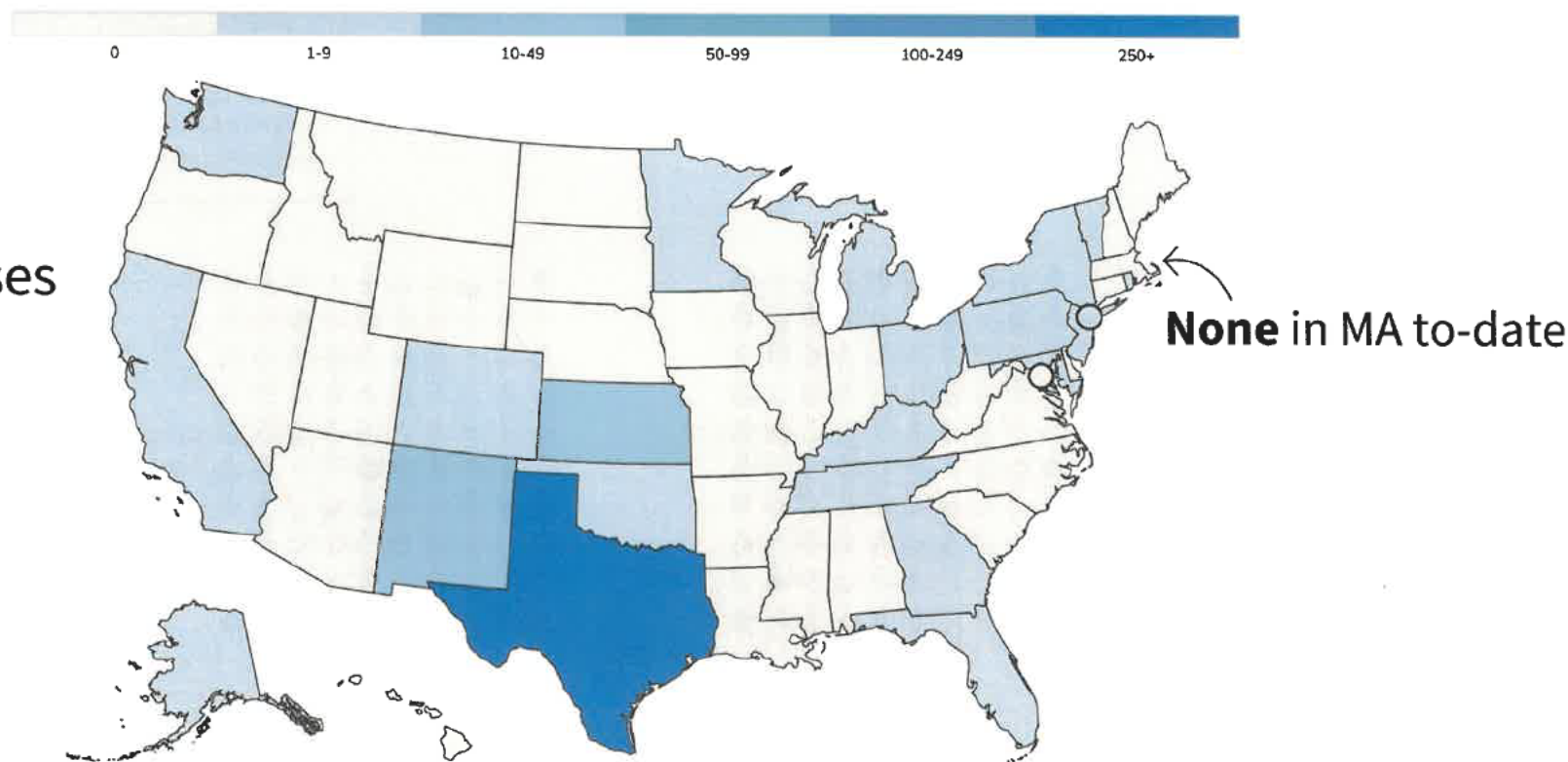
607



Source: [CDC](#)

22 states
reporting
measles cases
in 2025

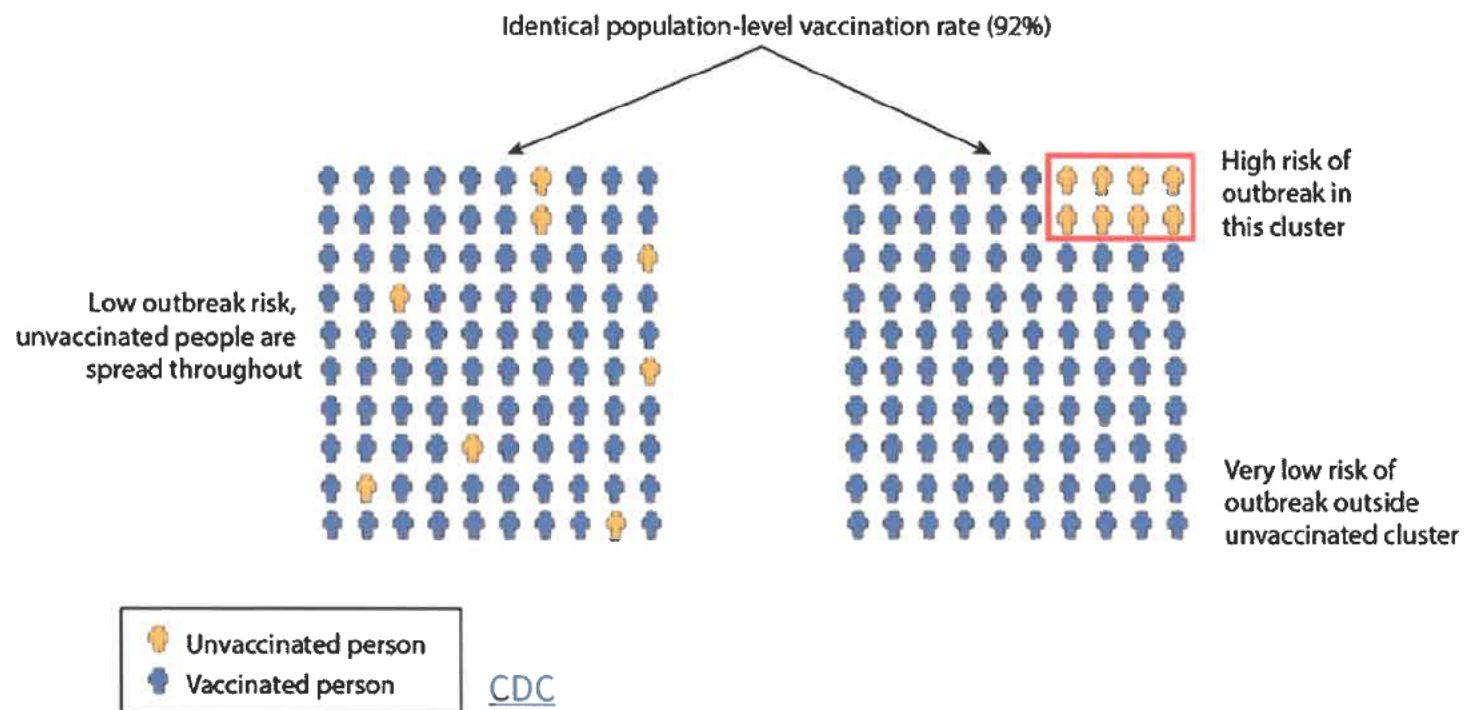
[CDC](#) Data as of
April 3, 2025



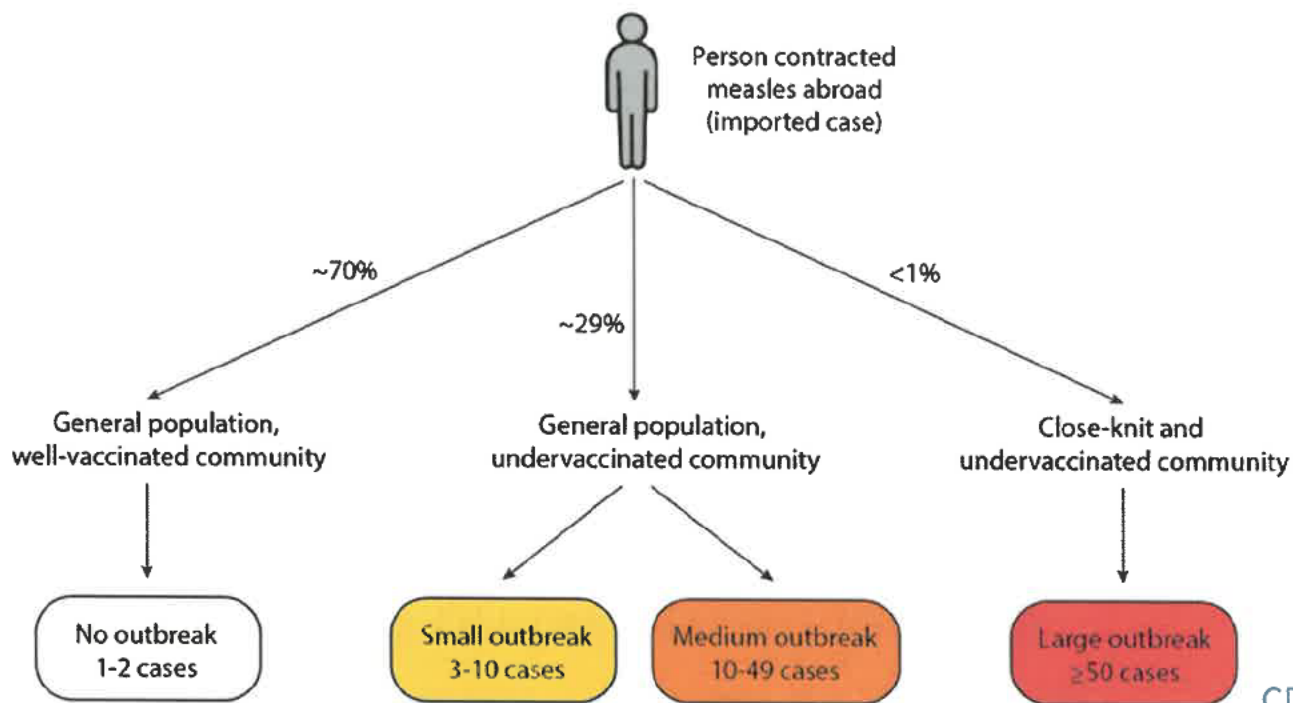
2025 Current Situation: Measles Outbreaks in US



Outbreaks Spread among Unvaccinated



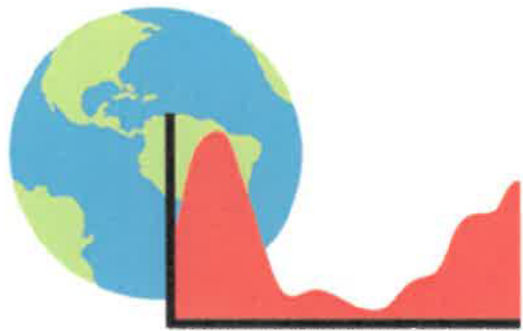
Outbreaks Spread among Unvaccinated



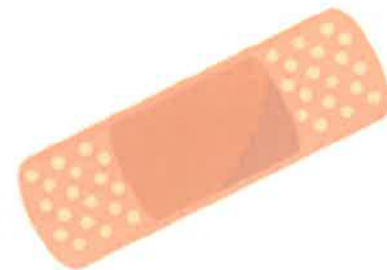
[CDC](https://www.cdc.gov/)



Measles outbreak risk in the U.S.
depends on two main factors:



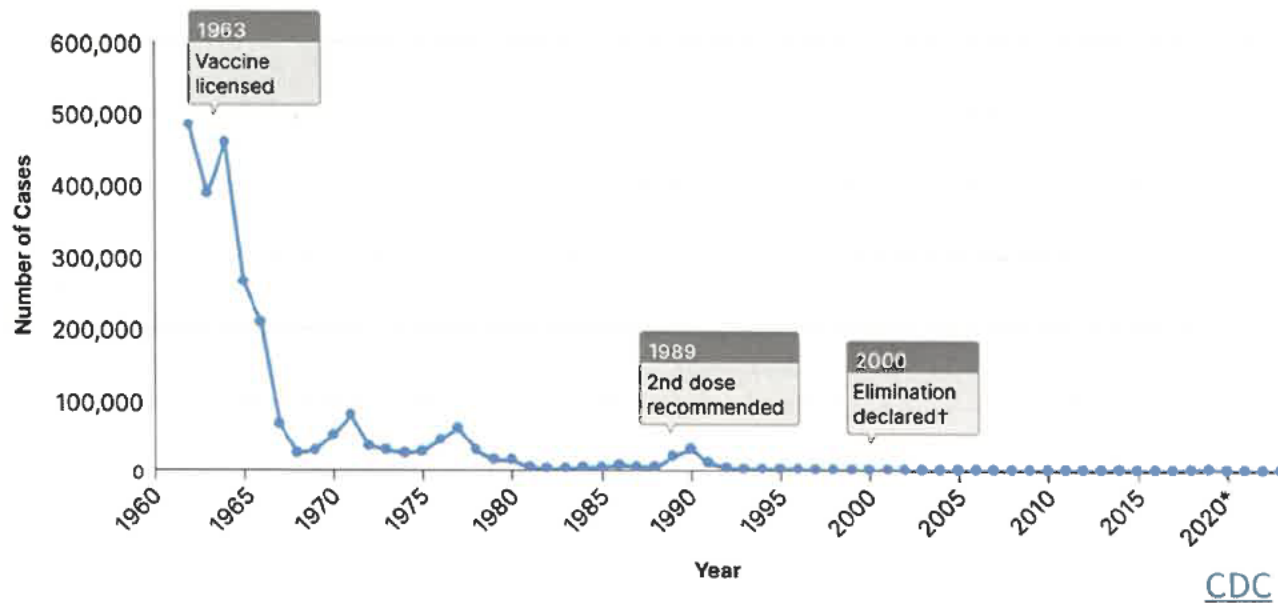
Global measles activity



Declining MMR vaccination
coverage in the U.S.


Vaccination Works to Prevent & Eliminate Measles

Reported Measles Cases in the United States from 1962 – 2023*




Measles can be Serious


Measles Can Be Serious



About 1 out of 5 people who get measles will be hospitalized.



1 out of every 1,000 people with measles will develop brain swelling due to infection (encephalitis), which may lead to brain damage.



1 to 3 out of 1,000 people with measles will die, even with the best care.

Measles can cause pneumonia, encephalitis, and death.

This Year So Far:

- **74 hospitalizations** (12%), majority being <5 years old
- **3 deaths** - 2 school-aged children & 1 adult, all unvaccinated
- **Before this year, the last adult measles fatality in the US was in 2015. Last pediatric death was in 2003.**



Measles Virus

- Measles is primarily a disease of people **who are not already immune from vaccination or previous infection** - also referred to as susceptible
- **Measles is highly contagious.** It can linger in the air for 2 hours and infect 90% of susceptible people who inhale the airborne virus.
- Measles starts with:
 - High fever (up to 104)
 - Red, watery eyes
 - Cough
 - Runny nose
 - 2-4 days later, rash develops at the head/hairline and moves down the body
- Infected people are contagious 4 days before the rash starts through 4 days afterward.



then





Measles Epidemiology Update

BARNSTABLE COUNTY COMMISSIONERS

APRIL 9, 2025