

LIGHT-SHEET

Conference
& Workshop | 2023

Program - Conference

Monday, May 6, 2024:

Speck Auditorium, Rowe Building, MBL

- | | |
|---------------|---|
| 14:00 – 15:00 | Registration |
| 15:00 – 15:30 | Welcoming Remarks
Gary Laevsky, Princeton University
Abhishek Kumar, Marine Biological Laboratory |
| 15:30 – 16:30 | “Optical Sectioning and basic fluorescence microscopy”
Michelle Itano, University of North Carolina Chapel Hill |
| 16:30 – 17:30 | “Anatomy of a lightsheet microscope”
Kate McDole, MRC Laboratory of Molecular Biology |
| 17:30 – 17:45 | Coffee Break |
| 17:45 – 18:45 | “Choosing cameras for purpose, Cost vs function vs speed.”
Simon Watkins, University of Pittsburgh |
| 18:45 – 20:30 | Dinner and Poster |
| 20:30 – 21:00 | “Practical aspects of objective lens design”
Steven Ross, Nikon USA (Virtual) |
| 21:00 – 22:00 | “Considerations for lightsheet image processing and analysis” Holly Gibbs, Texas A&M University |



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Tuesday, May 7, 2024:

Speck Auditorium, Rowe Building, MBL

08:45 – 09:00	Introduction Gary Laevsky, Princeton University
09:00 – 10:00	Xiyu Yi
10:00 – 11:00	Gokul Upadhyayula
11:00 – 11:30	Coffee Break
11:30 – 12:30	Doug Sheperd, Arizona State University
12:30 – 14:00	Lunch
14:00-15:00	Gail McConnell, Queen's University Belfast
15:00 – 17:00	Young Investigators Lori O'brien TBD TBD



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17:30-20:00

Keynote/Reception: Scott Fraser, University of Southern California

20:00 – 21:30

Vendor Talks

21:30 –

System singups



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Wednesday, May 8, 2024:

Loeb Laboratory, Main Lab 2nd Floor, MBL

08:45 – 09:00	Introduction Gary Laevsky, Princeton University
09:00 – 12:00	Sample Mounting
12:00 – 13:30	Lunch
13:30 – 14:30	Kara Cerveny, Reed College
14:30 – 16:30	Laboratory 1
16:30 – 18:30	Laboratory 2
18:30 – 19:30	Dinner
19:30 – 21:30	Laboratory 3



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Thursday, May 9, 2024:

Loeb Laboratory, Main Lab 2nd Floor, MBL

08:45 – 09:00	Introduction Gary Laevsky, Princeton University
09:00 – 10:00	Douglas Richardson, Harvard Medical School
10:00 – 12:00	Laboratory 4
12:00 – 13:00	Lunch (Box Lunch)
13:00 – 15:00	Laboratory 5
15:00 – 17:00	Laboratory 6
17:00 – 18:30	Data Handling and Image Analysis “Tutorial in Image Processing For Light Sheet Microscopy” Anthony Mautino, Marine Biological Laboratory “Multi-view Image Fusion in FIJI” Carsten Wolff, Marine Biological Laboratory
18:30 – 21:30	Dinner and Workshop Fun with Kate and
21:30 – 22:30	Emmanuel Free Time on Microscopes



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Friday, May 10, 2024:

Loeb Laboratory, Main Lab 2nd Floor, MBL

08:45 – 09:00	Introduction Gary Laevsky, Princeton University
09:00 – 10:00	Rebecca Adikes, Sienna College
10:00 – 12:00	Laboratory 7
12:00 – 13:00	Lunch
13:00 – 15:00	Laboratory 8
15:00 – 17:00	Laboratory 9
17:00 – 18:30	Analysis
18:30 – 20:00	Dinner
20:00 – 22:00	Laboratory 10
22:00 –	Discussion/Happy Hour



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Saturday, May 11, 2024:

Loeb Laboratory, Main Lab 2nd Floor, MBL

08:45 – 09:00	Introduction Gary Laevsky, Princeton University
09:00 – 10:00	TBD
10:00 – 12:00	Laboratory 11
12:00 – 13:00	Lunch
13:00 – 15:00	Analysis
15:00 – 18:00	Free Time
18:00 –	Student Lightning Talks/Dinner/Happy Hour



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Commercial Partners

	Commercial Vendor	Microscope Model	Loeb Room #
1	3I	diSPIM	LB255
2	3I	Clear Tissue Light Sheet	LB103
3	3I	Lattice Light Sheet	LB103
4	ASI	SCAPE	LB355
5	Bruker	MuVi	LB359
6	Bruker	TruLive	LB 3 rd floor
7	Bruker	Large Cleared Sample SPIM	LB364
8	MBF	ClearScope	LB253
9	Miltenyi	UltraMicroscope	LB259
10	LifeCanvas Technology	SmartSPIM	LB372
11	LifeCanvas Technology	MegaSPIM	LB373
12	Zeiss	Lattice Lightsheet	LB G61
13	Zeiss/ MBL CMF	Z7	LB G58
14	Mizar	Tilt	LB359b

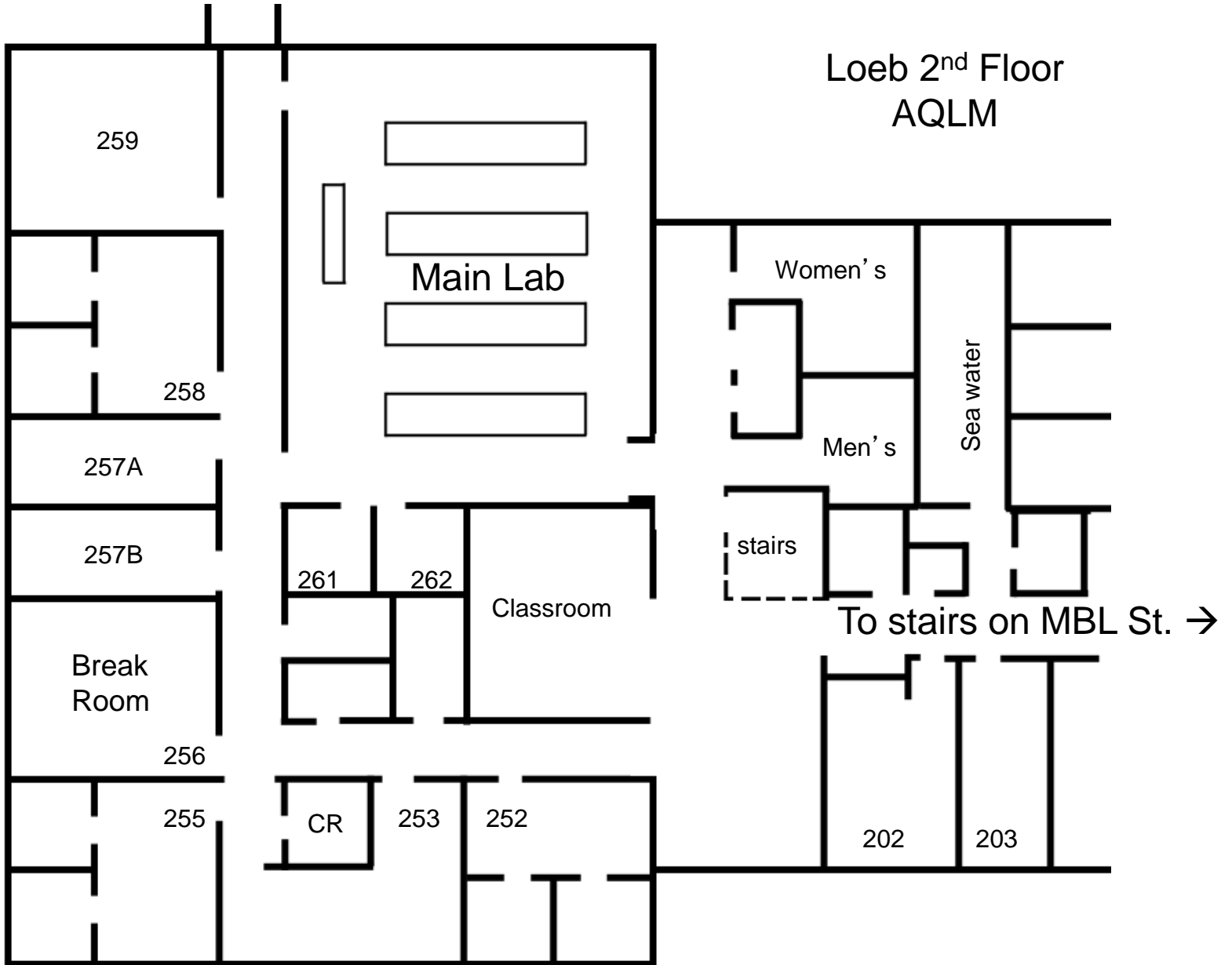


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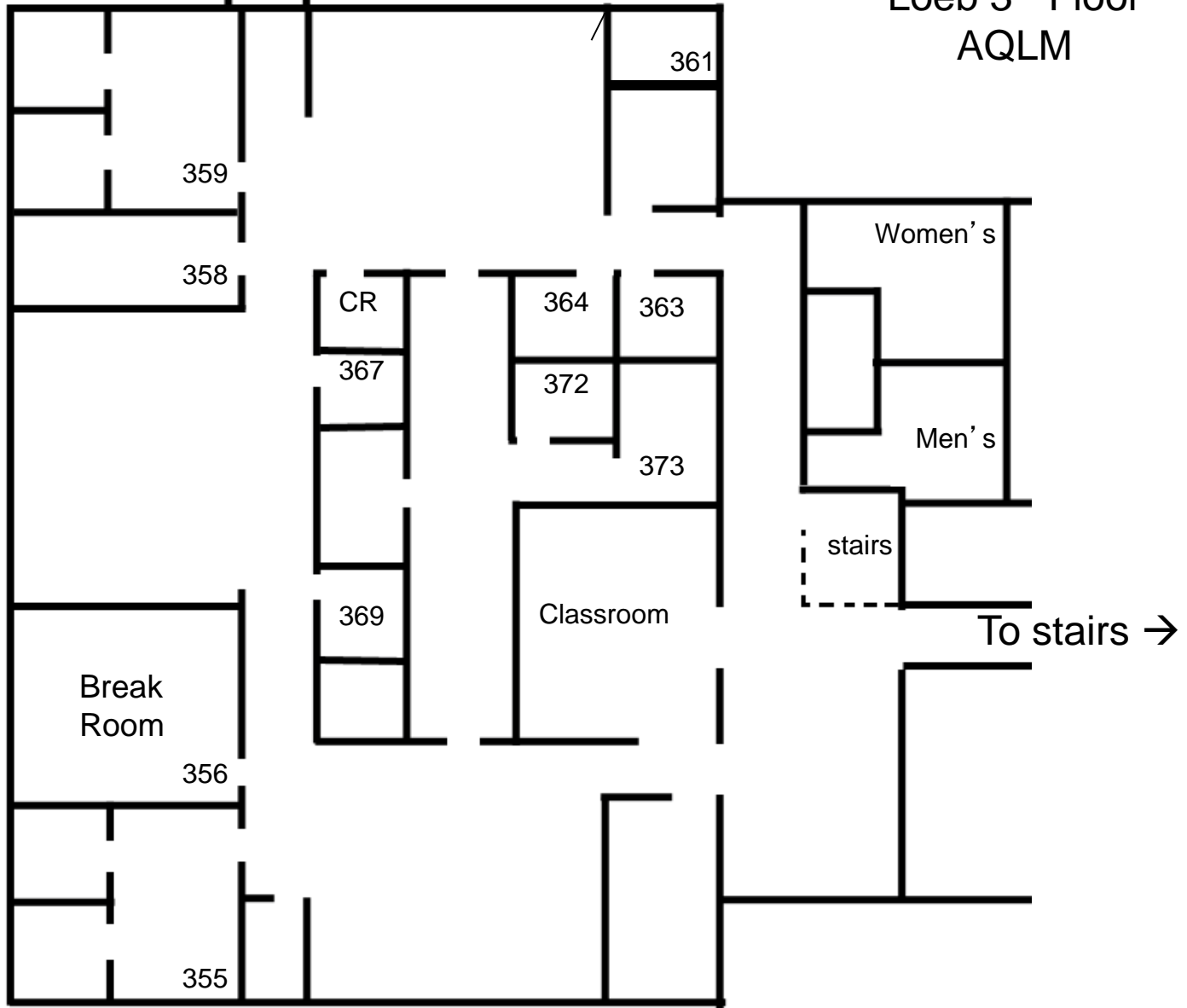
stairs

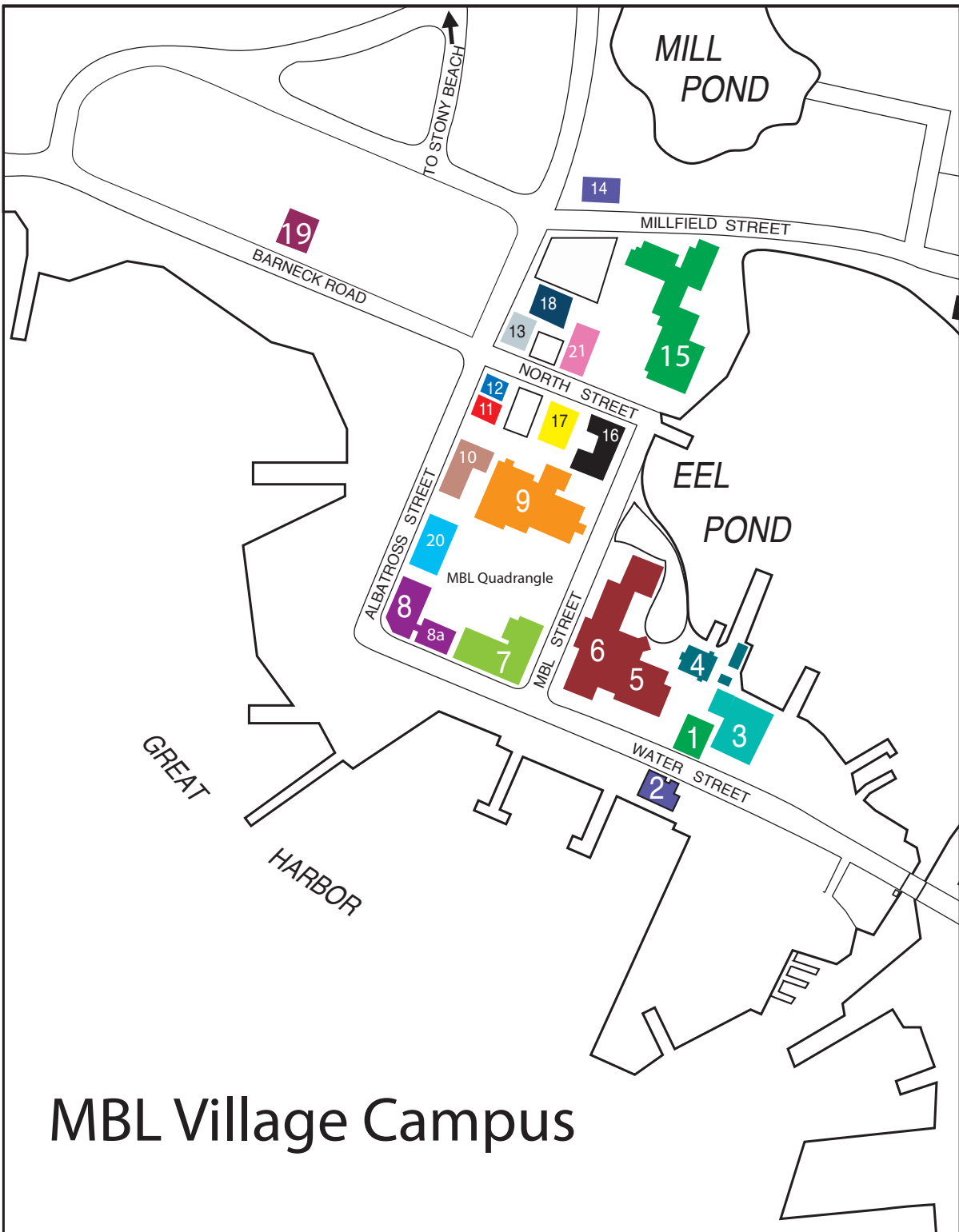
Loeb 2nd Floor
AQLM



stairs

Loeb 3rd Floor
AQLM





MBL Village Campus

- 1 Candle House (Administration)
- 2 100 Water Street (Pierce Exhibit Center, Satellite Club, MBL Club)
- 3 Marine Resources Center
- 4 Collection Support Facility
- 5 Crane Wing (Labs, Shipping)
- 6 Lillie Laboratory (Labs, Service Shops, MBLWHOI Library)
- 7 Rowe Laboratory (Labs, Speck Auditorium)
- 8 Environmental Sciences Laboratory
- 8a Homestead Administration (Human Resources, Education Dept.)
- 9 Loeb Laboratory (Research and Teaching Labs, Lecture Rooms)
- 10 Brick Apartment House
- 11 Veeder House Dormitory
- 12 David House Dormitory
- 13 Broderick House (IT)
- 14 Crane House
- 15 Swope Center (Registration, Cafeteria, Dormitory, Meigs Room)
- 16 Ebert Hall Dormitory
- 17 Drew House Dormitory
- 18 15 North Street (Carpentry Shop)
- 19 Smith Cottage and Barneck Road Property
- 20 C.V. Starr Environmental Sciences Laboratory
- 21 11 North Street
- MBL Parking



Woods Hole Visitors Guide

Woods Hole Business Association www.woodshole.com

Restaurants & Food

- Captain Kidd Restaurant
- Coffee Obsession
- Fishmonger Cafe
- Jimmy's Sandwich Shop
- Landfall Restaurant
- Pie in the Sky Bakery
- Phusion Grill
- Quicks Hole Taqueria
- Quicks Hole Tavern
- Shucker's Raw Bar & Cafe
- Woods Hole Market & Provisions

Shopping/Galleries

- Handworks
- Local Colors Gallery
- Old Barn Package Store
- Under the Sun
- Soft As A Grape

Services

- Bank of Woods Hole (ATM)
- Steamship Authority Ferry
- Woods Hole Marine
- Woods Hole Post Office

Educational/Entertainment

- Buzzards Bay Coalition Exhibit
- MBL Pierce Exhibit Center
- NOAA Woods Hole Science Aquarium
- WHOI Ocean Science Exhibit Center
- Woods Hole Public Library
- Woods Hole Film Festival
- Woods Hole Historical Museum
- WHOI Information Office

Accommodations

- Captain Tom Lawrence House
- Palmer House
- Sands of Time Motor Inn & Harbor House
- Sleepy Hollow Motor Inn
- Sippewissett Cabins and Campgrounds
- Woods Hole Inn
- Woods Hole Passage Bed & Breakfast

Marine Biological Laboratory Campus Woods Hole Oceanographic Institution Campus

GREAT HARBOR

LITTLE HARBOR

Captain Tom Lawrence House
Palmer House
Woods Hole Passage
Bed & Breakfast

To Nobska
Lighthouse
and beach

Episcopal
Church