New York State Federation of Lake Associations, Inc. 41st Annual Conference

"IT TAKES A COMMUNITY TO PROTECT A WATERSHED"







MAY 3-4, 2024

Fort William Henry Hotel and Conference Center Lake George

CONFERENCE SCHEDULE



Friday, May 3, 2024

| DAY1 | | Thursday, May 2, 2024 |
|--------------|------------------------|-----------------------|
| NYSFOLA Boar | d of Directors Meeting | 3:30 - 5:30 p.m. |

DAY 2

| Exhibitor Set Up - Albany & Fort Edwards Rooms | 8:00 - 8:30 a.m. |
|---|-------------------|
| Registration - Fort William Henry Conference Center Lobby | 8:30 a.m. |
| Welcoming Remarks - Lake George Rooms North & South | 9:15 a.m. |
| Morning Sessions | 9:30 - 12:00 p.m. |
| Lunch - The Carriage House, Fort William Henry Hotel | 12 - 1:15 p.m. |
| Afternoon Sessions | 1:30 - 4:45 p.m. |
| Silent Auction / Visit Exhibits | 4:45 - 5:00 p.m. |
| NYSFOLA Wine & Cheese Party - Village Blacksmith Lounge & Exhib | 5 - 6 p.m. |
| NYSFOLA Banquet - The Carriage House, Fort William Henry Hotel | 6 p.m. |

| DAY 3 | | Saturday, May 4, 2024 |
|-------------------|---|-----------------------|
| Breakfast Buffe | t – White Lion Room, Fort William Henry Hotel | 7 - 8 a.m. |
| Registration - Fo | rt William Henry Conference Center Lobby | 8:30 a.m. |
| Morning Session | ns | 9:00 - 11:30 a.m. |
| Lunch & NYSFO | LA/NYSFOL Annual Membership | 11:45 - 1:00 p.m. |
| Meetings - White | Lion Room, Fort William Henry Hotel | |
| Afternoon Sess | ions | 1:15 - 3:30 p.m. |

Detailed conference schedule on the following pages.

Friday Morning - May 3, 2024

| 00 AM | Exhibitor Set Up Albany and Fort Edwards Rooms | | | |
|-------|--|--|---|---|
| 30 AM | Registration Opens Conference Center Lobby | | | |
| 15 AM | Welcome and Logistics Lake George Rooms North and South | | | |
| 30 AM | Lake George Rooms North and South | - | thy Lakes in New York Stat eth Haub School of Laws Pace Univ | |
| 30 AM | Break / Exhibitor Area / Strillage Blacksmith Lounge | Silent Auction | | |
| | Session A1 Lake George North | Session A2 Lake George South | Session A3 Long Lake Room | Session A4 Tupper Lake Room |
| 45 AM | "Diet for a Small Lake" An Introduction to Limnology | Environmental Justice and New York Lakes | Funding Lake Management Through Special Tax Districts | iMAP Invasive Species Workshop (Bring a Smartphone or Tablet) |
| | New to NYSFOLA? This is a great place to start. Join Dr. Harman and his colleagues for a "crash course" in Limnology 101 | 2024 Pilot Project: CSLAP in Environmental Justice Areas and Disadvantaged Communities | Formation and Operation of Special Tax Districts to Aid Lakes Michelle Anderson, Attorney at | iMAP Workshop Inside Mitchell O'Neil, Invasive Species Biologist, New York Natural |
| | <u>Dr. Bill Harman,</u> Distinguished Service Professor of Biology, Emeritus. | Alene Onion, NYSDEC CSLAP Coordinator | Law, Anderson Firm PLLC | Heritage Program |
| 15 AM | | Harmful Cyanobacterial Blooms, Related Loss of Recreational Opportunities and Environmental Justice Areas in New York | | iMAP Workshop Outside |
| | | Sabina Gifford, Physical | | |

Lunch (ends 1:15) - The Carriage House (This is a NEW dining facility at Fort William Henry)

12:00 PM

Friday Afternoon - May 3, 2024

| Session B1 |
|---|
| Climate Resilience and Your Lake |
| Lake George North |

Session B2 Watershed Land Use & Water Ouality Lake George South

Session B3 Lake Associations Doing Great Things Long Lake Room

1:30 PM

MyCoast NY: A Statewide Tool for **Engaging Communities and Documenting Flood and Storm Events**

Jess Kuonan, Hudson Estuary Resilience Specialist , NYS Sea Grant

Watershed land use > 25% is a critical benchmark for nutrient loading in NYS Lakes - a potential threshold for prioritizing watershed protection

Alene Onion, NYSDEC CSLAP Coordinator

Schroon Lake: A Study in Success Through Partnerships

Gary Karl, Board Member, East Shore Schroon Lake Association

2:00 PM

A Survey of the Ecology of Select Lakes and Ponds in Central Park, **NYC**

Dr. Fred Lubnow. Senior Technical Director of Ecological Services, Princeton Hydro LLC

Constructing historic land use land cover patterns for the Honeove Lake watershed and exploring their relationship to modern lake condition.

Dr. Bruce Gilman, Science Advisor, Honeoye Valley Association and Kyle Ritts, Ontario County Planning Aide.

How the Lake George Association Inspires Action

Lindsey Kenna, Education for Action Manager, Lake George Association

2:30 PM

Impacts of Climate Change on Lake **Ecology**

Michael Hartshorne, Director of Aquatics, Princeton Hydro, LLC

Drinking Water Source Protection Program (DWSP2)

Ryan Bell, Environmental Analyst, New York State Department of Health

Creative Community Engagement

Tarki L. Heath, Board President, New York State Federation of Lake Associations, and Cortland Onondaga Federation of Kettle Lakes Association

3:00 PM

Break

Friday Afternoon (Continued) - May 3, 2024

| | Session C1 Aquatic Invasive Species Lake George North | Session C2 Harmful Algal Blooms in Low Nutrient Lakes Lake George South | Session C3 Community Outreach and Education Long Lke Room |
|---------|--|--|--|
| 3:15 PM | NYS Watercraft Inspection Steward Program and Aquatic Invasive Species Updates | HABHAZARD: Predicting Risk of Harmful Algal Blooms in Lake George | Submerse NY: Creative Approaches to Flood Risk Communication and Outreach through Public Art |
| | Scott Jamieson, Biologist, WISP Coordinator, NYSDEC | Jonathan Borrelli, Post Doctoral Researcher, Rochester Polytechnic Institute. | Rewa Phansalkar, Research and Outreach Specialist, New York State Water Resources Institute Cornell University |
| 3:45 PM | Are We Making Progress? Using Lake Management Tracker to Assess Invasive Plant Management Success | Cyanobacteria Harmful Algal Blooms in Low-Nutrient NY Lakes: Combined Approaches to Address an Ephemeral Phenomenon | Advancing Environmental Education Outcomes within the Great Lakes |
| | Brian Greene, Aquatic Invasive Species Coordinator, The Nature Conservancy | Rebecca Gorney, Biologist, United States Geological Survey | Emily Fell, Eastern Great Lakes Watershed Coordinator , NYSDEC |
| 4:15 PM | Using Underwater Cameras to Track Aquatic Plant Communities Nick Rowell, Natural Resources Specialist, | A Paleolimnological Approach to Understand the History of Cyanobacterial Occurence in Oligotrophic Adirondack Lakes | Educating Youth in the Canandaigua Lake Watershed: K-6 Programs |
| | Warren County Soil and Water Conservation District | Sabina Gifford, Physical Scientist, United States Geological Survey | <u>Lindsey Ayers,</u> Education Program Coordinator, Canandaigua Lake Watershed Association |
| 4:45 PM | Silent Auction / Visit Exhibits | | |
| 5:00 PM | NYSFOLA Wine & Cheese Party Village Blacksmith Lounge | | |
| 6:00 PM | • | he Clouds Award, Scott Kishbaugh red Professional Archaeologist, will descri ps in Lake George. | |

Saturday Morning - May 4, 2024

| | Care | arday Morning May 4, 2024 | |
|----------|---|--|--|
| 7:00 AM | Breakfast Buffet White Lion Room, Fort William Henry Hotel | | |
| 8:30 AM | Registration Opens Conference Center Lobby | | |
| | Session D1 Preventing P Loading From Wastewater Lake George North | Session D2 Lake Monitoring in NY: Using Data to Make Informed Decisions - Lake George South | Session D3 Management Tools to Reduce Nutrients Long Lke Room |
| 9:00 AM | How is Septic-Related Phosphorus Loading Impacting My Lake and What Can Be Done About It? | Managing Water Quality in Rapidy Changing Times: Insights from In- Lake Modeling | Aeration as a Lake Management Tool:Impact on Harmful Algal Blooms |
| | Steve Souza. Owner, Clean Waters Consulting, LLC | <u>David Matthews</u> , Director, Upstate Freshwater Institute | Ken Belfer, President, Mohegan Lake Improvement District and Dr. Gregory Boyer, Director for the Great Lakes Research Consortium, Emeritus Professor of Biochemistry, SUNY ESF |
| 9:30 AM | LGPC Wastewater Regulations and Inspection Program: 1st Year | Lake Welch Clean Water Planning and HAB Mitigation Efforts | HAB Suppression and Control with Peroxide-Based Algaecides |
| | Results Joe Thouin, Lake George Park Commission | Alene Onion, Brian Duffy, and Gabriella CebadaMora | Glenn Sullivan, President, Ready Scout, LLC |
| 10:00 AM | Break | | |
| 10:15 AM | Intricacies of Soil Onsite Wastewater Treatment & Ways to Investigate Nutrient "Hotspots" | How CyanoHAB Education Contributed to a 9E Grant | Improving Water Quality Through Dredging |
| | Hilary Kenyon, Certified Lake Manager, Applied Watershed Sciences, LLC | Kiyoko Yokota, Associate Professor, SUNY Oneonta and <u>Patricia Kennedy,</u> Otsego Lake Watershed Suprvisory Committee | <u>Laurel Wolfe,</u> NYSFOLA Board of Directors, and Association Manager, Sleepy Hollow Lake, Association of Property Owners, <u>Julia</u> <u>DiGiovanni</u> |
| 10:45 AM | Peach Lake Restoration Efforts over 24 Years Lorraine Janus, Limnologist, Peach Lake | 2023 Lake Reports - A Redesigned CSLAPReport Format to Support all NYS Lakes | Passive Phosphorus Update, Piloting a Novel Technology for Lake Restoration |
| | Environmental Coalition, Inc. | Alene Onion, NYSDEC CSLAP Coordinator, NYSDEC | Alejandro Reyes, Aquatic Ecologist, GEI Consultants, Inc |
| 11:15 AM | Q&A and Wrap Up - Sessions D1, | D2, D3 | |

Lunch and NYSFOLA/NYSFOL Annual Membership Meegings, Annual Newsletter Contest

11:45 AM

Lion Dining Room, Fort William Henry Hotel

Saturday Afternoon - May 4, 2024

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|--|---|-----|--|
| | | 3 L | |

Invasive Species and Other Biological
Nuisances in Our Lakes
Lake George North

Session E2

Lake Monitoring in NY: Using Data to Make Informed Decisions Lake George South

Session E3 CSLAP Training for New Volunteers Long Lke Room

1:15 PM | Phragmites Management Options & Case Studies

<u>Luke Gervase</u>, Project Ecologist, GEI Consultants

The Value of Volunteer Data and the State of Craine Lake

<u>Derek Shea</u>, Graduate Student, SUNY Oneonta

Introduction to the program and sampling parameters

Nancy Mueller NYSFOLA CSLAP Coordinator, Alena Onion NYSDEC CSLAP Coordinator

1:45 PM

Management of Eurasian Watermilfoil at Saratoga Lake

<u>Dean Long</u>, NYSFOLA Board of Directors, SLPID Consultant

Characterizing high-frequency dynamics of internal phosphorus loading in a eutrophic polymictic basin of Chautauqua Lake, NY

Mark Lucius, Software Engineer, Renssalaer Polytechnic Institute.

2:15 PM

It Takes A Community: Lake Luzerne's ProcellaCOR Experience

Jane Oppenlander, Robert Bombard, Nick Rowell, Kurt TeKolste,, Mike Schaffer, Jim Niles, and Mark Schaffer, Lake Luzerne Association, Town of Lake Luzerne, Warren County SWCD.

Episodic internal loading in a eutrophic lake: characterizing short-term nutrient fluxes using high-frequency sensor data in Chautauqua Lake, NY

<u>Vincent Moriarty</u>, Research Scientist, IBM Research

During the afternoon, volunteers will be split into groups. Some of you will start by learning the "on-lake" sampling procedures while others go through the sample processing and shipping protocols. Once everyone has a chance to complete their first "assignment", we will switch. We hope to finish by 3:30pm, but it might go longer depending on the needs of the various groups. Dress for the weather as we will be outside for part of the time

2:45 PM

Living Hazards in our Aquatic Environments

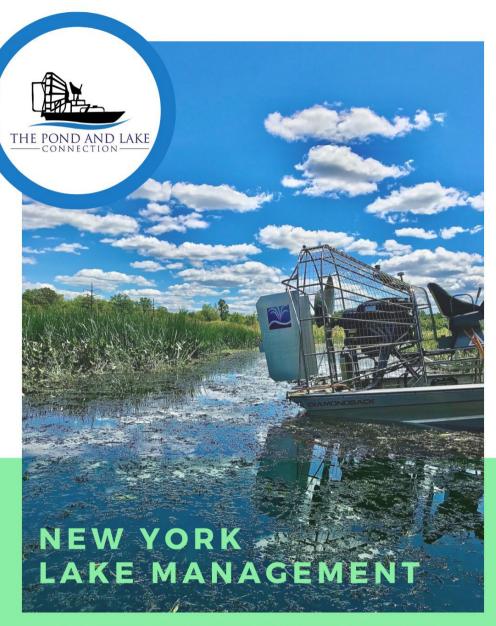
<u>David Wilson</u>, President, Piseco Lake Association

Finger Lakes PFAs Project:Targeted Water sampling to Identify Sources of per-and polyfluoroalkyl substances in the Finger Lakes

<u>Laura Akey</u>, Student Research Assistant, Cornell University Civil and Environmental Engineering and <u>Brune Boukobza</u>, Cornell University

3:15 PM

Q&A and Wrap Up - Sessions E1, E2



AQUATIC INVASIVE SPECIES CONTROL, BLUE GREEN ALGAE CONTROL, FISH STOCKING, WATER TESTING, AERATION, AND WETLAND MANAGEMENT.

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Here's to the continued success and outstanding work of the New York State Federation of Lake Associations in protecting and restoring New York lakes!

Lake Management and Dam Safety Consulting and Engineering Experts

GEI Consultants offers a diverse and highly specialized team of certified lake managers, dam engineers, ecologists, wetland and environmental scientists, landscape architects, invasive species specialists, hydrologic and hydraulic engineers, permitting experts, and fisheries biologists to provide comprehensive solutions for lake management and dam engineering.



- Water Quality Monitoring Analysis and Modeling
- · Harmful Algae Bloom Management
- Aquatic Plant Surveys and Mapping
- Bathymetric Mapping
- Wetland Delineation
- Pesticide Application/Oversight

- Fisheries Management
- · Local/State/Federal Permitting
- Dam Inspections and Engineering
- Landscape/Living Shoreline Design
- Aerial Drone Mapping/Surveys
- Lake and Watershed Management Plans

Alejandro Reyes, CLM areyes@geiconsultants.com 845.661.0824 Luke Gervase, CLM Igervase@geiconsultants.com 516.521.3774

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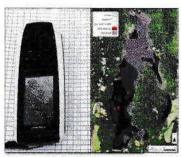


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OUR WORK & MISSION

Northeast Aquatic Research (NEAR) is a limnological research and lake management company with over 30 years of experience studying lake systems. Our mission is to provide objective scientific evaluation of lake and watershed condition for long-term understanding and management. We work directly with homeowners, lake associations, municipalities, and state agencies to develop management strategies for waterbodies across New England & NY.

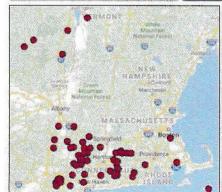














LAKES * RESERVOIRS * RIVERS * STREAMS

SERVICES & EXPERTISE

- Aquatic plant mapping & monitoring
- Water quality analysis, characterization, & monitoring
- Cyanobacteria identification, cell counting, and toxin testing
- Watershed evaluation
- EPA Nine-Element
 Watershed Based Plans
- Stormwater sampling
- Invasive/nuisance species management plans
- · Bathymetric mapping
- GIS mapping
- · Wetland delineation
- Lake sediment analysis
- Volunteer monitoring program development & oversight
- Educational outreach and information seminars

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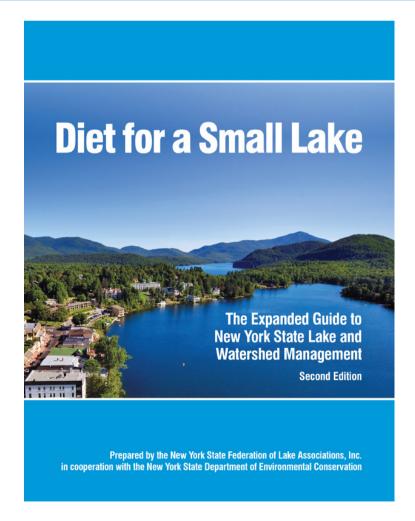
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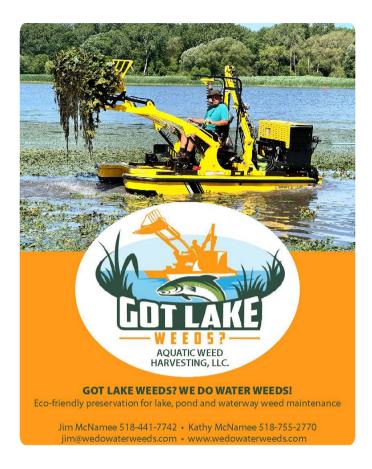


Department of Environmental Conservation

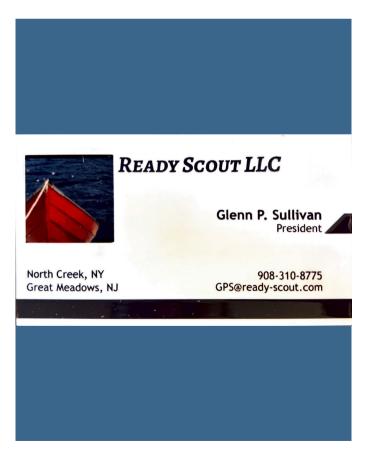






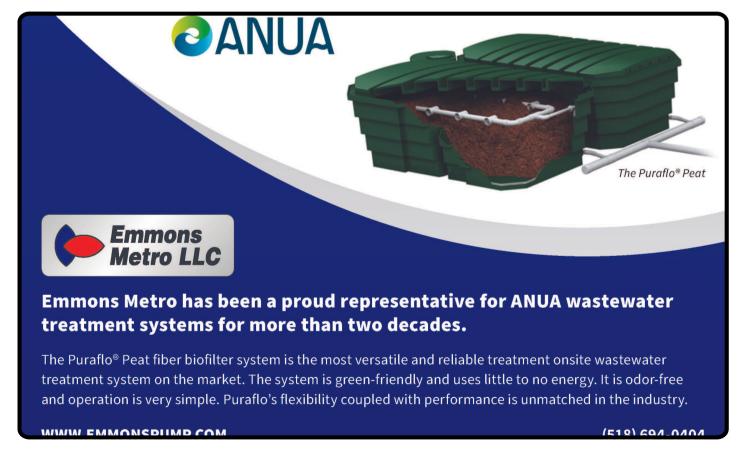




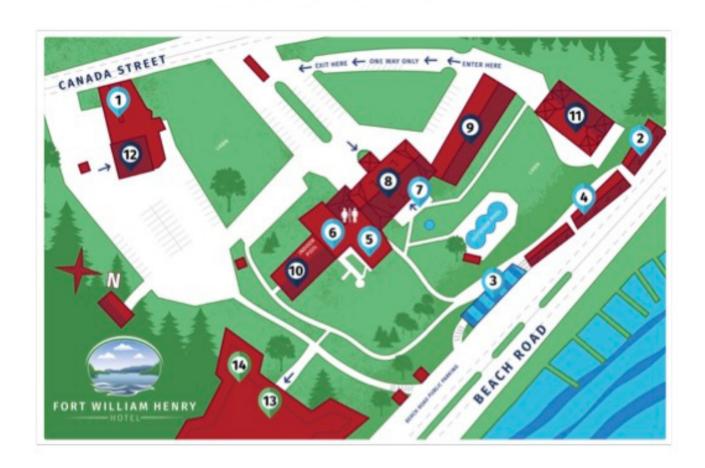








FWH PROPERTY MAP





DINING

- 1 The Village Blacksmith
- 2 Sticky Buns Café
- 3 The Lookout Bar&Grill
- 4 The Candy Apple
- 5 The White Lion
- 6 The Lakeside Restaurant & Lounge
- 7 The Veranda Bar

BUILDINGS

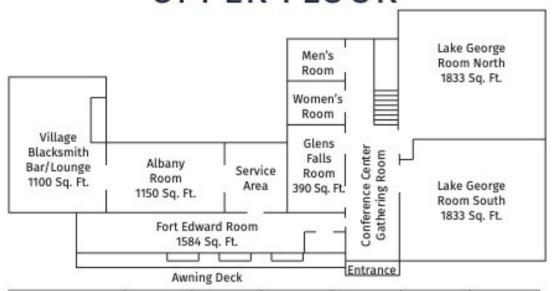
- 8 Grand Hotel
- 9 Deluxe Section
- 10 Premium Section
- 11 Carriage House
- 12 Conference Center

ATTRACTIONS

- 13 Fort William Henry Museum
- 14 Sutler Shop (free entry)



CONFERENCE CENTER UPPER FLOOR



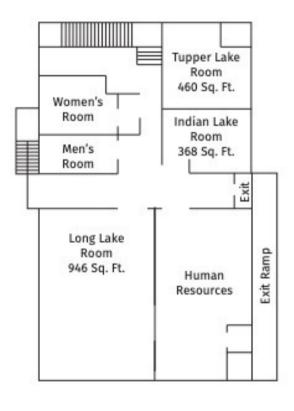
| Rooms | Albany Room | Fort Edward Room | Glens Falls Room | Lake George Room | Lake George North | Lake George South |
|-------------|----------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|
| Dimensions | 25 x 46 | 22 x 72 | 15 x 26 | 47 x 82 | 47 x 43 | 47 x 39 |
| Theatre | 100 | 150 | 30 | 325 | 150 | 150 |
| Classroom | 50 | 75 | 20 | 180 | 150 | 90 |
| Board Room | 50 | 70 | 18 | 175 | 120 | 120 |
| Rounds | 80 | 96 | 20 | 250 | 120 | 120 |
| U - Shape | 45 | 75 | 20 | 75 | 45 | 40 |
| Square Feet | 1,150 | 1,584 | 390 | 3,850 | 2,201 | 1,833 |
| Ceiling | 12' | 12' | 9' | 12.6' | 12.6' | 12.6' |



CONFERENCE CENTER

Lower Floor

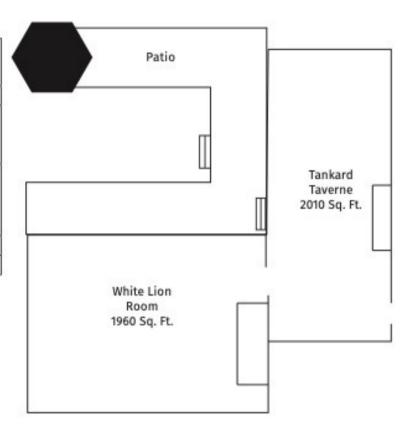
| Rooms | Indian Lake Room | Tupper Lake Room | Long Lake Room |
|-------------|------------------------|------------------------|----------------------|
| Dimensions | 16x 23 | 20 x 23 | 22 x 43 |
| Theatre | 30 | 40 | 80 |
| Classroom | 21 | 27 | 48 |
| Board Room | 10 | 20 | 45 |
| Rounds | 20 | 30 | 40 |
| U - Shape | 12 | 12 | 25 |
| Square Feet | 368 | 460 | 946 |
| Ceiling | 8' | 8' | 8' |





WHITE LION ROOM TANKARD TAVERNE

| Rooms | White Lion Room | Tankard Taverne |
|-------------|-----------------------|--------------------|
| Dimensions | 35 x 56 | 30 x 67 |
| Theatre | 300 | 90 |
| Rounds | 175 | 60 |
| Square Feet | 1,960 | 2,010 |
| Ceiling | 16' | 12' |





CARRIAGE HOUSE

Main Floor & Mezzanine

| Rooms | Lower Banquet Room | Mezzanine |
|-------------|--------------------------|-----------|
| Dimensions | 70 x 70 | 45 x 42 |
| Theatre | 500 | 100 |
| Rounds | 350 | 90 |
| Classroom | 350 | 90 |
| Square Feet | 4,624 | 1,890 |
| Ceiling | 12' | 7' |

