List of Illustrations

- P.1. Scuba diver at Wiawaka bateaux site. / xiv
- P.2. Scuba divers descending to Wiawaka bateaux, September 13, 1987. / xv
- 1.1. Map of the Hudson River, Lake George, and Lake Champlain corridor. / 2
- 1.2. Peckham drawing of a typical eighteenth-century bateau. / 3
- 1.3. Illustration by Yohn, Battle of Lake George, September 8, 1755. / 4
- 1.4. Drone shot of Fort William Henry Museum, Lake George. / 4
- 1.5. Cordell drawing of vessels on the lake, Abercromby campaign, July 1758. / 7
- 1.6. Whitesel image depicting submerged British bateaux, autumn of 1758. / 8
- 1.7. Peckham painting of Lake George sunken bateaux, winter of 1758–1759. / 8
- 2.1. Whitesel image of bateau "factories" in Schenectady, New York, 1758. / 12
- 2.2. Lake George bateau at the Adirondack Museum. / 13
- 2.3. An excavated sunken bateau, from 1963–1964 fieldwork. / 14
- 2.4. Lake George bateau exhibited in the New York State Museum. / 15
- 2.5. Thole pin pad and thole pins (oarlock). / 16
- 2.6. Crisman drawing, a reconstructed cross-section of Bateau 2626. / 16
- 2.7. Sample of a 1758 Lake George bateau bottom board. / 16
- 2.8. Crisman drawings, profile and plan views, Bateau 2626. / 18
- 2.9. Crandall drawing (plan view) of a Lake George military bateau. / 20
- 3.1. Hager drawing of the likeness of a Mohawk River bateau. / 22
- 3.2. Sample Lake George bateau batten. / 24
- 3.3. Sample Lake George bateau stem. / 24
- 3.4. Sample Lake George bateau frame. / 24
- 3.5. Sample Lake George bateau strake. / 24
- 3.6. Hager drawing: two men "poling" a bateau in shallow water. / 26
- 4.1. Sunken timbers from reputed Lake George floating gun battery. / 29
- 4.2. British sloop of 1757 raised from Lake George in 1903. / 30
- 4.3. Thompson photograph of recovered March 1757 British sloop, 1903. / 30

- 4.4. Several timbers of a 1903-raised British sloop. / 32
- 5.1. Scuba diver Carl Dunn emerges from Lake George. / 36
- 5.2. Fort William Henry archaeologist Stanley M. Gifford, early 1950s. / 37
- A young Dr. Robert Bruce Inverarity, director of the Adirondack Museum. / 42
- 6.2. "Top Deck of Submarine," a World War II painting by Inverarity. / 45
- 6.3. Bow of 1758 Land Tortoise radeau that sank in Lake George. / 48
- 7.1. Early underwater camera system used in 1960 to help raise a bateau. / 52
- 7.2. One of three 1758 bateaux being raised at Lake George, early 1960s. / 52
- 7.3. One of three bateaux recovered from Lake George, early 1960s. / 56
- 7.4. One of an early 1960s-raised colonial bateaux being buried on a beach. / 58
- 7.5. Inverarity examines PEG vat. / 58
- 7.6. Following conservation in the 1960s, the bateaux were reassembled. / 59
- 7.7. Archaeological diver Terry Crandall. / 63
- 7.8. Perry-Link Deep Diver submarine on display in Fort Pierce, Florida. / 65
- 7.9. Harold Veeder, head of the Fort William Henry Corporation. / 66
- 7.10. Archaeological diver Terry Crandall at a colonial bateau shipwreck. / 67
- 7.11. State of New York booklet, a primer on underwater archaeology, 1969. / 70
- 8.1. People with PVC archaeology grid for training, September 12, 1987. / 74
- 8.2. Capone readies ROV for a training seminar, September 12, 1987. / 74
- 8.3. Capone piloting ROV at Wiawaka bateaux, September 13, 1987. / 74
- 8.4. Four archaeological divers plan a scuba dive at sunken bateaux, 1988. / 76
- 8.5. Klein 595 side-scan sonar during field tests off New England. / 76
- 8.6. Autonomous underwater vehicle (AUV) being deployed from a ship. / 76
- 8.7. Martin Klein, founder of Klein Associates, prepares side-scan sonar. / 77
- 8.8. Bateau C shipwreck at the Wiawaka bateaux site. / 78
- 8.9. Bateau C's bottom boards, battens, and frames. / 79
- 8.10. Drawing (plan view) of Bateau A at Wiawaka bateaux site. / 80
- 8.11. Drawing (plan view) of Bateau B at Wiawaka bateaux site. / 80
- 8.12. Drawing (plan view) of Bateau C at Wiawaka bateaux site. / 81
- 8.13. Drawing (plan view) of Bateau D at Wiawaka bateaux site. / 82
- 8.14. Drawing (plan view) of Bateau E at Wiawaka bateaux site. / 82
- 8.15. Drawing (plan view) of Bateau F at Wiawaka bateaux site. / 83
- 8.16. Drawing (plan view) of Bateau G at Wiawaka bateaux site. / 83
- 8.17. Caldwell's students built this twenty-three-foot replica bateau. / 84
- 8.18. Map of seven Wiawaka bateaux, circa 1758, created by Bateaux Below. / 86
- 8.19. Klein, Capone, Kozak, and the author examine lake charts. / 89

x Illustrations

- 8.20. Peckham painting of a 1758-built British wharf at Lake George. / 91
- 9.1. Parker sketch of Lake George "mortar bateau" shipwreck. / 95
- 9.2. Crandall on a boat with two thirteen-inch mortar bombs raised from the lake. / 96
- 9.3. CAD illustration of a thirteen-inch diameter "mortar bomb" from the lake. / 103
- 10.1. Author diving Site VI, a cluster of nine sunken bateaux, July 27, 1988. / 108
- 10.2. Klein side scan sonar image of Site VIII showing two to four sunken bateaux. / 108
- 11.1. Map of hull pieces at Wiawaka bateaux, possibly from 1965 salvage. / 114
- 11.2. Lennan next to two anchors recovered from a shipwreck in 1954. / 116
- 11.3. Lennan next to a French siege cannon after being raised from the lake in 1954. / 118
- 12.1. Baby Whale research submarine during 1960 construction. / 121
- 12.2. Baby Whale submarine being attached to a concrete keel in 1960. / 122
- 12.3. Interpretive illustration of the 1960-built Baby Whale sunken submarine. / 123
- 12.4. Photograph of the sunken *Baby Whale* submarine after being found in 1995. / 125
- 13.1. Drawing of the 1758 Land Tortoise radeau shipwreck. / 128
- 13.2. Appling, a Bateaux Below volunteer diver, holding two signs. / 128
- 14.1. Lake historian's vision, an "underwater museum" of shipwrecks, 1964. / 132
- 14.2. Map of "The Sunken Fleet of 1758" shipwreck preserve at the lake. / 134
- 14.3. Cornell holding a sign for a Lake George shipwreck preserve. / 135
- 14.4. Brochure cover of one of the 1993-established shipwreck preserves. / 136
- 14.5. Map of locations of Lake George's three shipwreck preserves. / 137
- 14.6. Benway and Appling examine a twenty-three-foot replica bateau in the lake's shallows. / 139
- 14.7. National award for preservation of the lake's Submerged Heritage Preserves. / 142
- 15.1. Map of debris moved by divers from the sunken bateaux. / 144
- 15.2. Map of manmade debris removed by divers from the sunken bateaux. / 145
- 16.1. Two of Caldwell's replica bateaux being rowed by local school students. / 149
- 16.2. Bateaux Below divers sinking replica bateau, September 7, 1997. / 150
- 16.3. Two middle-school students tracing an eighteenth-century bateau stem. / 152
- 16.4. A replica bateau shipwreck on a walkway prior to being sunk, 2008. / 152
- 17.1. Lake George Arts Project's postcard promoting its 2009 exhibit. / 156
- 17.2. A painting in "Raising the Fleet: An Art/Science Initiative" exhibit, 2009. / 157
- 17.3. A diver views an underwater art exhibit at a shipwreck, 2009. / 157
- 18.1. DVD case, "Wooden Bones: The Sunken Fleet of 1758" documentary. / 160

Illustrations xi

- 19.1. McMahan at "Shipwreck Weekend at Lake George" conference. / 165
- 19.2. Cover page of an issue of The Lake George Nautical Newsletter. / 166
- 19.3. Blue and yellow metal historic marker about the "Sunken Fleet." / 169
- 19.4. Poster from a Fort William Henry Museum shipwreck exhibit. / 173
- 19.5. The author teaching a class on underwater archaeology, 2008. / 175
- 19.6. Boat modeler station with a scale model of the *Baby Whale* sub. / 178
- 19.7. Peckham sketch of the War of 1812 bateau found in Lake Champlain. / 180
- 19.8. Cordell painting, "Sinking of the Radeau," October 22, 1758. / 180
- C.1. Signage to be installed at one of Lake George's shipwreck sites. / 183
- A.1.1. An undisturbed 1758 sunken bateau, from 1963–1964 fieldwork. / 190
- A.2.1. A lift bag recovering a thirteen-inch diameter iron mortar bomb, 1960s. / 193
- A.2.2. Sunken colonial bateau showing a thole pin pad (oarlock). / 194
- A.3.1. Drawing of a bateau, similar to a Delmar, New York, scout troop boat. / 197

xii Illustrations