

DOCENT MANUAL

Table of Contents

I. Docent Program Information

• Docent Program Description	1
• Important Information and Emergency Contact	2
• Docent Roles and Service Excellence	3-9
• Docent Task List – Incline Village	10
• Docent Task List – Tahoe City	11-12
• Visitor Tracking Form	13
• Docent Hours Tracking Form	14

II. Exhibits of the Tahoe Science Center

• Tour Cheat Sheet	1-2
• Introduction and Exhibit Messages	3-7
• Welcome Tour Groups and Individuals	8-9
• Lake Tahoe Basin Watershed Map	10-12
• Operating the Video Exhibits	13-15
• Troubleshooting the Video Exhibits	16-19
• Video Exhibit Script, Talking Points, Questions/Discussion	
○ Virtual Research Vessel – Chapter 1	20-23
○ Virtual Research Vessel – Chapter 2	24-30
○ Virtual Research Vessel – Chapter 3	31-37
○ Virtual Laboratory – Chapter 1	38-45
○ Virtual Laboratory – Chapter 2	46-49
○ Virtual Laboratory – Chapter 3	50-54
• Research in Action Photo Wall	55-57
• 3-D Visualization Lab	
○ Operating the 3D Visualization Lab	58-59
○ Troubleshooting the 3D Visualization Lab	60
○ Operating the Earthquake Viewer	61-66
○ Earthquake Viewer Talking Points	67-73
○ Lake Tahoe Digital Elevation Model (DEM)	74-76
○ Map for Lake Tahoe DEM Data Set	77
• Green Building Tours	
○ Green Tour Introduction	78
○ Green Building Information	79-84
○ Green Building Tour Talking Points	85-99
○ Green Building Materials and Systems	100-113

III. Eriksson Education Center

• Tahoe City Field Station General Information	1
• Introduction to the Eriksson Education Center	2
• Daily Docent Duties	3-4
• Background Information	5-6
• Interior Exhibit Panels	7
• Timeline (History of the Hatchery and Introduced Species)	8-10
• Interactive Exhibits on the Touchscreen Monitor	11-12
• Outdoor Interpretive Panels	13-14
• Best Management Practices	15-16
• Plant Identification Signs	17-18
• Historic Food Web Poster Talking Points	19
• Current Food Web Poster Talking Points	20-23
• Citizen Science (Phenology and Water Quality)	23-37
○ Sample Phenology Form (Bigleaf Lupine)	34-35
○ Sample Stream Monitoring Data Sheet	36-37
• Frequently Asked Questions	38

IV. Science and Research at Lake Tahoe

• Environmental Problems Facing Lake Tahoe	1-3
• Research at Lake Tahoe	4-12
• Lake Tahoe Facts	13-17
• Protecting Lake Tahoe	18-21
• Four Decades of Change – by Dr. Charles Goldman	22-25

V. Additional Resources

• Important Acronyms	1
• Lake Tahoe Vocabulary	2-4
• Lahontan Cutthroat Trout	5-8
• Limnology	
○ The Secchi Disk	9-10
○ Research Vessel John LeConte	11-12
○ Research Buoys on Lake Tahoe	13
• Biology	
○ Species of Lake Tahoe's Aquatic Food Web	14
○ Lake Tahoe Species Introduction Timeline	15
○ Changes in the Aquatic Food Web	16-20
○ Fishes of the Lake Tahoe Basin	21-27

• Geology	
○ Structure of the Earth	28-29
○ Earthquakes	30-37
○ Tahoe Geology	38-52
○ Tahoe Basin Geologic Timeline	53
○ Sierra Nevada Geologic Time Scale	54
○ Tsunami at Lake Tahoe	55-56
• Lake Tahoe Report Articles	
○ What Do Watersheds Matter?	57-58
○ How the Lake Interacts with its Watershed and Ecosystem	59
○ How Erosion Hurts Water Quality	60-61
○ Why Measure Water Quality at Lake Tahoe?	62-63
○ Can Lake Tahoe Be Saved?	64-65
○ Where Does Tahoe Water Pollution Come From?	66-67
○ Best Management Practices (BMPs)	68-69
○ Under the Water – Phytoplankton	70-71
○ Under the Water – Periphyton	72-73
○ Tahoe’s Natural History	74-75
• Wetlands 101	76-78
• Maps	
○ Watersheds in the Lake Tahoe Basin	79
○ Lake Tahoe Bathymetry	80
○ Lake Tahoe Geologic Map	81
• State of the Lake Report Flyer	82-83
• Citizen Science App Flyer	84-85