

DOCENT MANUAL

Table of Contents

I. Docent Program Information

• Docent Program Description	1
• Important Contact Information	2
• Docent Roles and Service Excellence	3-9
• Docent Task List – Incline Village	10
• Docent Task List – Tahoe City	11
• Docent Pledge	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	38-44
○ Virtual Laboratory – Chapter 2	45-48
○ Virtual Laboratory – Chapter 3	49-53
• Research in Action Photo Wall	54-56
• 3-D Visualization Lab	
○ Operating the 3D Visualization Lab	57-58
○ Troubleshooting the 3D Visualization Lab	59
○ Operating the Earthquake Viewer	60-65
○ Earthquake Viewer Talking Points	66-71
○ Map for Lake Tahoe DEM Data Set	72
○ Lake Tahoe Digital Elevation Model (DEM)	73-75
• Green Building Tours	
○ Green Tour Introduction	76
○ Green Building Information	77-83
○ Green Building Tour Talking Points	85-98
○ Green Building Systems	99-113

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)	24-34
○ Sample Stream Monitoring Data Sheet	35-36
○ Sample Phenology Form (Bigleaf Lupine)	37-38
• Frequently Asked Questions	39

IV. Science and Research at Lake Tahoe

• Environmental Problems Facing Lake Tahoe	1-4
• TERC Research at Lake Tahoe	5-15
• Lake Tahoe Facts	16-20
• Protecting Lake Tahoe	21-23
• Four Decades of Change – by Dr. Charles Goldman	24-27

V. Additional Resources

• Important Acronyms	1
• Lake Tahoe Vocabulary	2-4
• Limnology	
○ The Secchi Disk	5-6
○ Research Vessel John LeConte	7-8
○ Research Buoys on Lake Tahoe	9
○ Wetlands 101	10-12
• Biology	
○ Species of Lake Tahoe's Aquatic Food Web	13
○ Lake Tahoe Species Introduction Timeline	14
○ Changes in the Aquatic Food Web	15-19
○ Fishes of the Lake Tahoe Basin	20-26
○ Lahontan Cutthroat Trout	27-30

•	Geology	
○	Structure of the Earth	31-32
○	Earthquakes	33-40
○	Tahoe Geology	41-55
○	Tahoe Basin Geologic Timeline	56
○	Geologic Time Scale of the Sierra Nevada	57
○	Tsunami in Lake Tahoe	58-59
•	Lake Tahoe Report Articles	
○	What Do Watersheds Matter?	60-61
○	How the Lake Interacts with its Watershed and Ecosystem	62
○	How Erosion Hurts Water Quality	63-64
○	Why Measure Water Quality at Lake Tahoe?	65-66
○	Can Lake Tahoe Be Saved?	67-68
○	Where Does Tahoe Water Pollution Come From?	69-70
○	Best Management Practices (BMPs)	71-72
○	Under the Water – Phytoplankton	73-74
○	Under the Water – Periphyton	75-76
○	Tahoe’s Natural History	77-78
•	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