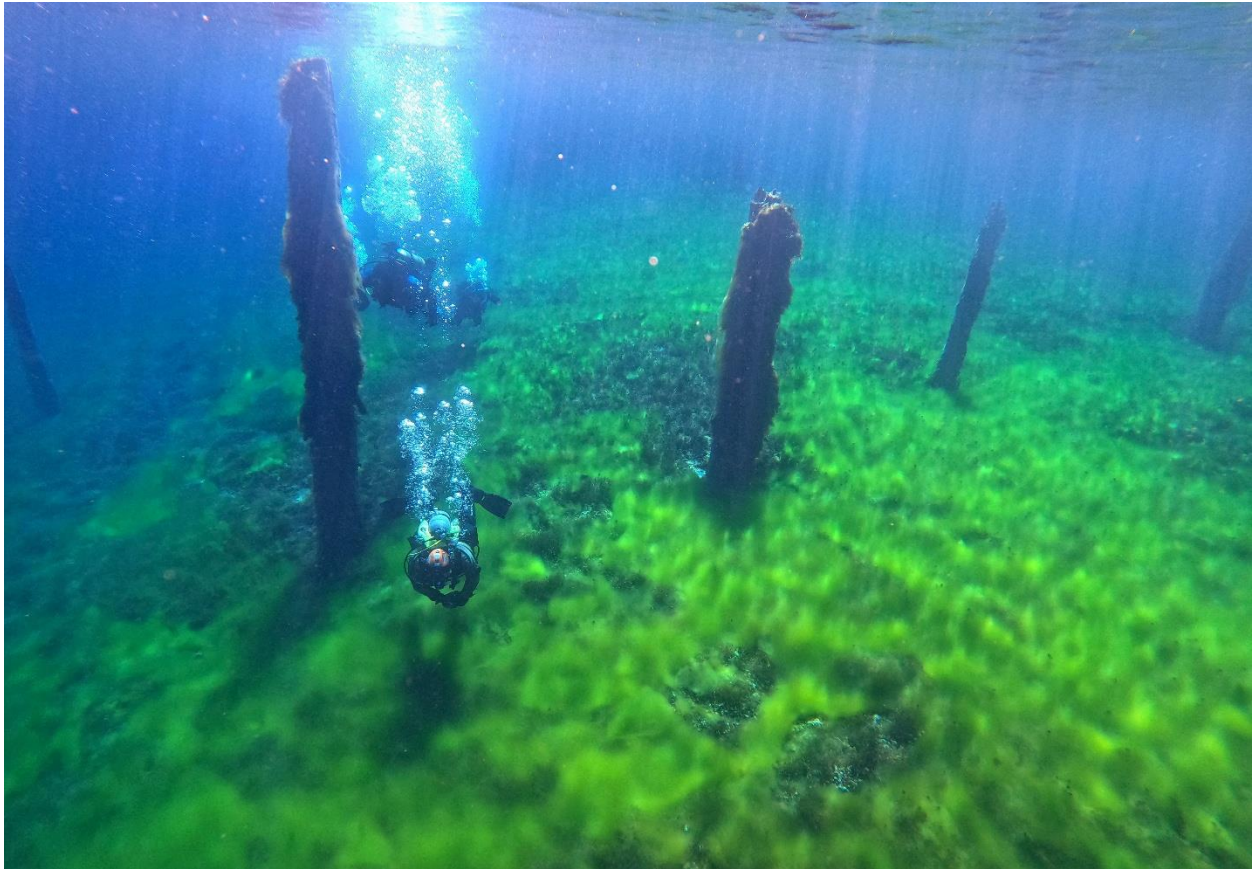


Clear Lake Dive Briefing



1. **Dive site name:** Clear Lake
2. **Site description:** Clear Lake is about 142 acres in size and lies at an elevation of 3,012 feet, with a maximum depth of 180 feet. It is one of the clearest and coldest lakes in the Cascades. Clear Lake is excellent for canoeing and other non-motorized boats. Fishing is good at Clear Lake. Brook trout and cutthroat trout re-produce naturally in the lake. Rainbow trout are stocked annually.



3. **Your role** - be my dive buddy, communicate everything, and keep everyone safe, including yourself
4. **Dive Location** – Most people will dive the north end of the lake, which is shallow. Most people enter the water around the resort area and swimming north past the boat ramp. The most photographed tree in Clear Lake is very likely the one that stands in the middle of the channel between the dock and the East bank. Keep on heading up and you'll find some more trees, a few in shallower water on the west bank and then a few more near the top of the lake.

Beyond the trees, this north pool area has some really beautiful features, including large craters where water seeps up through the rocks; some very ethereal-looking green algae; grass that makes you feel like you're swimming in a park; and of course, the "witch's cauldrons," masses of mist that hover over craters. If you're a photographer you may also want to head up to the spring. Sometimes you can find some good photo opportunities there.

South of the resort the water is much deeper, down to 180', with one major underwater tree.

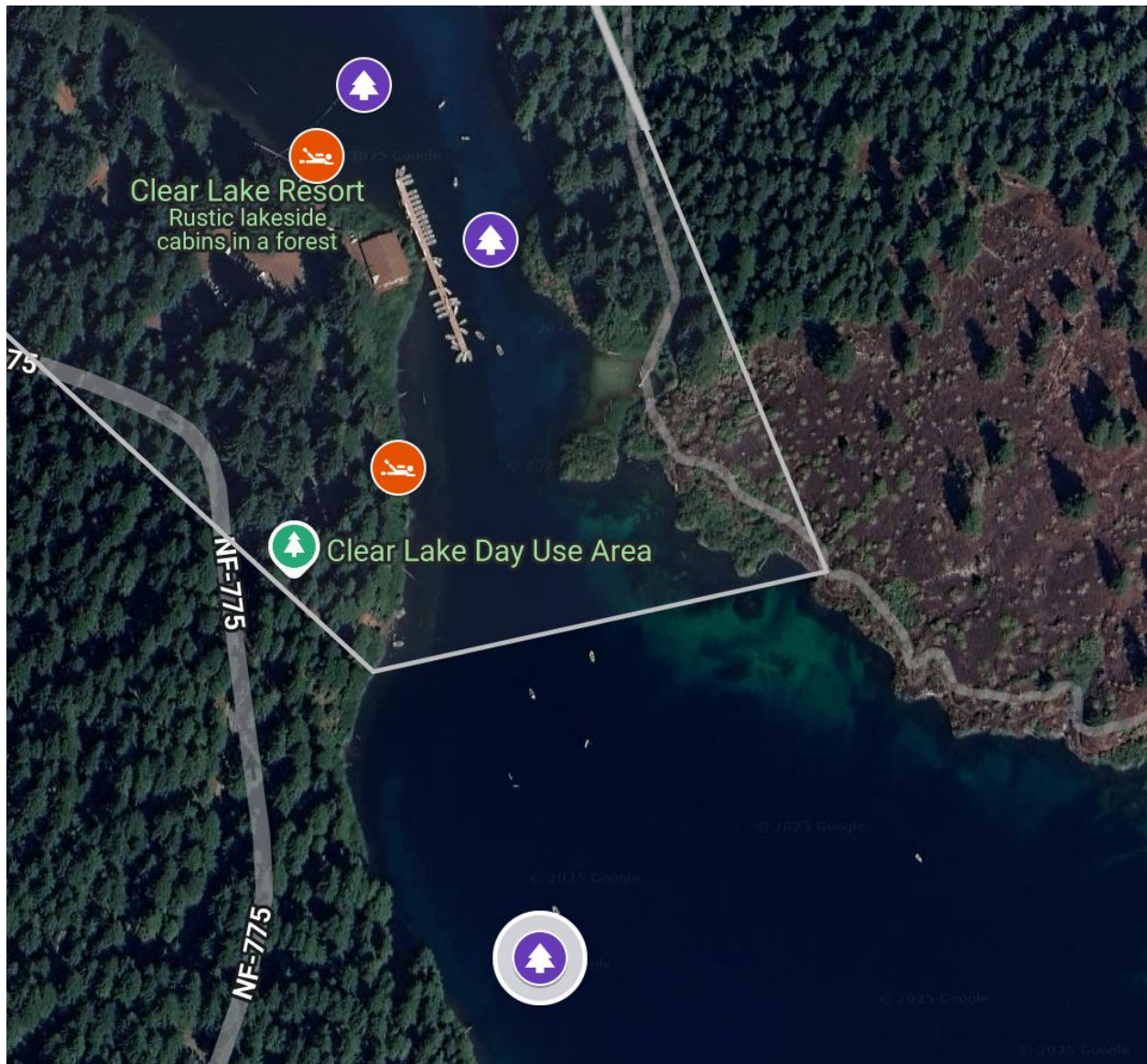


Figure 1 southernmost tree shown on the custom map should be 80-120 feet

5. **Dive Profile** – This is an altitude dive at 3,012 feet. Based on the altitude table below, the maximum depth will be no more than 122 feet. Water temperature in the summer is in the low 40s, with winter temperatures just at freezing. Sealed regulators are needed; divers have reported regulator freezes when passing over cold water inputs located at the bottom of the lake.

Theoretical Depths At Altitude <all depths in feet>										
Actual Depth	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
10	10	11	11	12	12	12	13	13	14	15
20	21	21	22	23	24	25	26	27	28	29
30	31	32	33	35	36	37	39	40	42	44
40	41	43	45	46	48	50	52	54	56	58
50	52	54	56	58	60	62	65	67	70	73
60	62	64	67	69	72	75	78	81	84	87
70	72	75	78	81	84	87	91	94	98	102
80	83	86	89	92	96	100	103	108	112	116
90	93	97	100	104	108	112	116	121	126	131
100	103	107	111	116	120	124	129	134	140	
110	114	118	122	127	132	137				
120	124	129	134	139						
130	135	140								
Safety Stop	14	14	13	13	12	12	12	11	11	10

6. **Entry and exit techniques** – Clear Lake Resort offers a gateway to both the shallow northern cove and the deeper southern areas.
7. **Dive procedures** - Once we've reached our surface descent point, we will drop to approximately 30 feet and conduct last minute gear and bubble checks.
8. **Emergency procedures** - if you get separated, stay where you are for approximately one minute while moving your torch around. If you don't make contact, ascend to the surface while making the requisite safety stop.
9. **Signal review** - look at your gauge signal, air pressure signal, and okay and up
10. **Roster and buddy check** - pair similar dive experiences together
11. **Environmental orientation** - there are some fish. Trees lying in the bottom will protrude and could snag in your gear. The bottom is silty, so try and use frog kick near the bottom and minimize touch and gos
12. **Directions** - It lies just off Highway 126 about 21 miles east of McKenzie Bridge.
13. **Further Reading**
 - a. [Willamette National Forest - Clear Lake Area](#)
 - b. [Clear Lake: Dive Map - Google My Maps](#)
 - c. [Bathymetry – Clear Lake](#)
 - d. [Scuba Diving Clear Lake, Oregon - Scuba Scribbles](#)