Across

4 Number of feet in one chain
6 Weight on a string used to sight a transit
11 Name of one of two hotels in Minden
12 Milestone event at Gull Lake held 2019-09-07
16 Positional system based on satellites
18 Long stick with 1cm or 1" bars for measuring change in height
19 Exercise in which students layout BC and EC
21 Initials indicating a surveyor registered in this Province
22 Nasty biting insects encountered in the spring
23 Survey that cuts a road transversely
24 Event centred around water and boating skills
25 Name of the building that was the classroom and is now bunks
28 Station used to set zero on the transit
29 Set of drafting tools with spiral edges - ooh la la!
30 Determines light penetration through water
33 Marker set over a survey station to set zero
34 Initials indicating a surveyor could work in crown lands….long ago
38 North orientation that dominates many original surveys
40 Traditional instrument capable of great precision and accuracy (if correctly used)
43 Fluorescent tape used to make stakes visible
46 43,560 square feet
47 Achieved when you clear away some branches
50 Drafting paper
52 A triangular drafting instrument
54 Direction expressed in degrees from 0 to 360 oriented to north
55 A measurement taken at Rackety Creek or Gull River
57 Continuous chain of angles and distances
58 Year of graduation of the first class that attended camp
60 Used to ward off nasty biting insects
62 First family that lived at Gull Lake
63 Direction expressed in degrees from 0 to 90 oriented to north or south

Down

1 Today’s equipment that gives angles and distances at the press of a button
2 Name of one of the pontoon boats
3 Map containing surface features and contours
5 Bottle used by students to sample water in Gull Lake
6 Head person in a survey crew
7 Name of first woman to attend survey camp
8 Jog in the road that accounts for survey errors and earth’s curvature
9 Glass tube used to ensure instrument is on horizontal plane
10 Using angles and sparse distances to survey over large areas
12 Accumulated inaccuracies in a survey loop
13 Can be for surveying or for remembering a class
14 Nasty biting insects encountered in the summer and fall
15 Next station in your survey
17 Device used to close water sampling bottle
20 Initials indicating a surveyor can work in crown lands
26 Allows large tracts of land to be plotted on a small paper
27 Seen in transit scope to reference view
31 Steel tape used to measure distances - PULL!
32 Nasty biting insects encountered in the summer
35 Another word for 'true' north
36 Last year that Survey Camp held at Dorset
37 Known elevation
39 Solid glass corner cube used to measure distances
41 Co-ed survey camp for almost 50 years
42 What one must do before using any instrument
44 Survey camp that remained male only until 28 years ago
45 Name of the train stop students used to get to camp
48 One of first three instructors at camp
49 One of first three instructors at camp
51 One type of survey marker
53 Three legged stand for survey instruments
56 One of first three instructors at camp
59 To mark the edges of a highway
61 Number of square chains in an acre