

4.3. The “Data View” page

All nodes that are taking measurements and have telemetry with the radio base will be listed under “No Locations” in the “Data View” page. From there, the nodes can be named/renamed, moved to their correct location on the map, and configured with the appropriate sensors and desired measurement interval by clicking on the node name or serial number (Figure 12).

If nodes don’t show up in the “Data View” page at all, the communication between the nodes and radio base needs troubleshooting. For proper communication, the channel and sub channel on the nodes and radio base need to be identical. Nodes should also be installed within a reasonable distance (1-2 miles) to the radio base and low lying areas/valleys on the farm need to be avoided. It is also important to note that nodes will not show in Sensorweb™ if a measurement interval is not set and the nodes are not recording data.

When installing nC24 nodes in the field, it is important to take note of the node serial number and corresponding location on the farm as these nodes will be displayed with their serial number in Sensorweb™. Em50R nodes, on the other hand, will show in Sensorweb™ with the name given to the node during installation.

Node Configuration

Node Name: ?

Node Serial: Weather

Last Configuration Update: 2014-10-21 11:42:04 -0400

Description:

Location:

Measurement Interval(1-1440 minutes): (required)

Port 1:

Type: Depth(cm): Description:

Port 2:

Type: Depth(cm): Description:

Port 3:

Type: Depth(cm): Description:

Port 4:

Type: Depth(cm): Description:

Port 5:

Type: Depth(cm): Description:

CAUTION: You can not undelete a node. All node data will be deleted if you delete this node. If you re-add the node it may not show up until the basestation is restarted.

Figure 12. The Sensorweb™ “Node Configuration” tool