

Release notes for surveyors

Changes for surveyors as part of Landonline release 3.21

Alternate Survey Number field added to Structured Text View of a Survey

Defect LOLCM-1165 (External)

Description

A field to display an 'Alternate Survey Number' (or prior reference) for a plan has been added to the 'Structured Text View' (STV) of a plan.

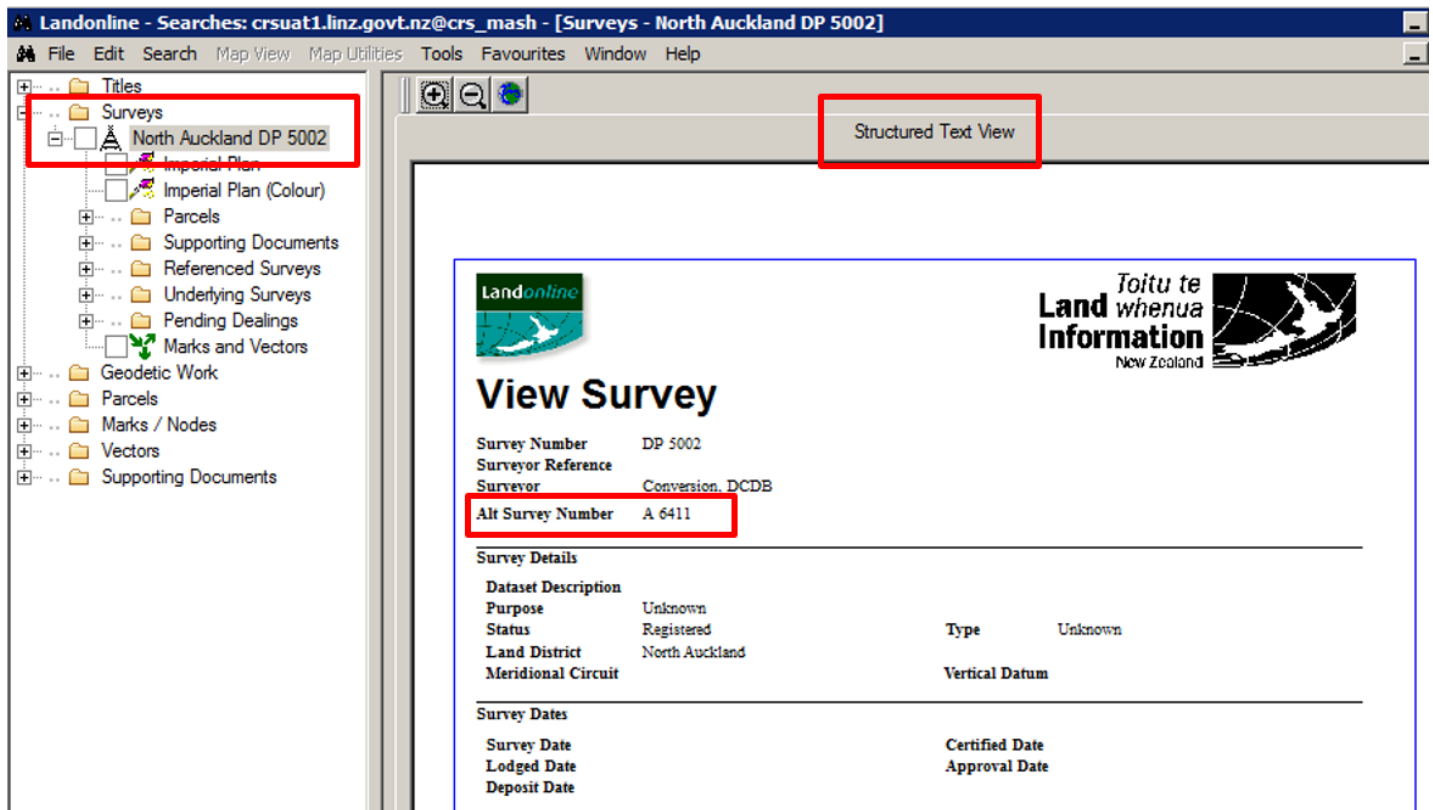
- for both Internal and External users searching on Surveys, this will be a viewable field (in the STV of a plan)
- the field is called 'Alt Survey Number'

This Alt Survey Number is a former Survey Number. Over time, LINZ will gradually add the Alternate Survey Number against the current Survey Number and these will be viewable in the Structured Text View of a Survey (where applicable).

Action

External - Searches:

- Search for a Survey Number (e.g. DP 5002 North Auckland)
- Add this to the Searches Tree
- Double Click on the Survey Number itself to open the Structured Text View (STV)
- The 'Alt Survey Number' field displays



- If an Alternate Survey Number has **not** been added by LINZ, then this field will be blank (no plans will display)

Turn on Underlying Marks Automatically When Performing Mark Linking

Enhancement LOLCM-1609 (Internal and External)

Description

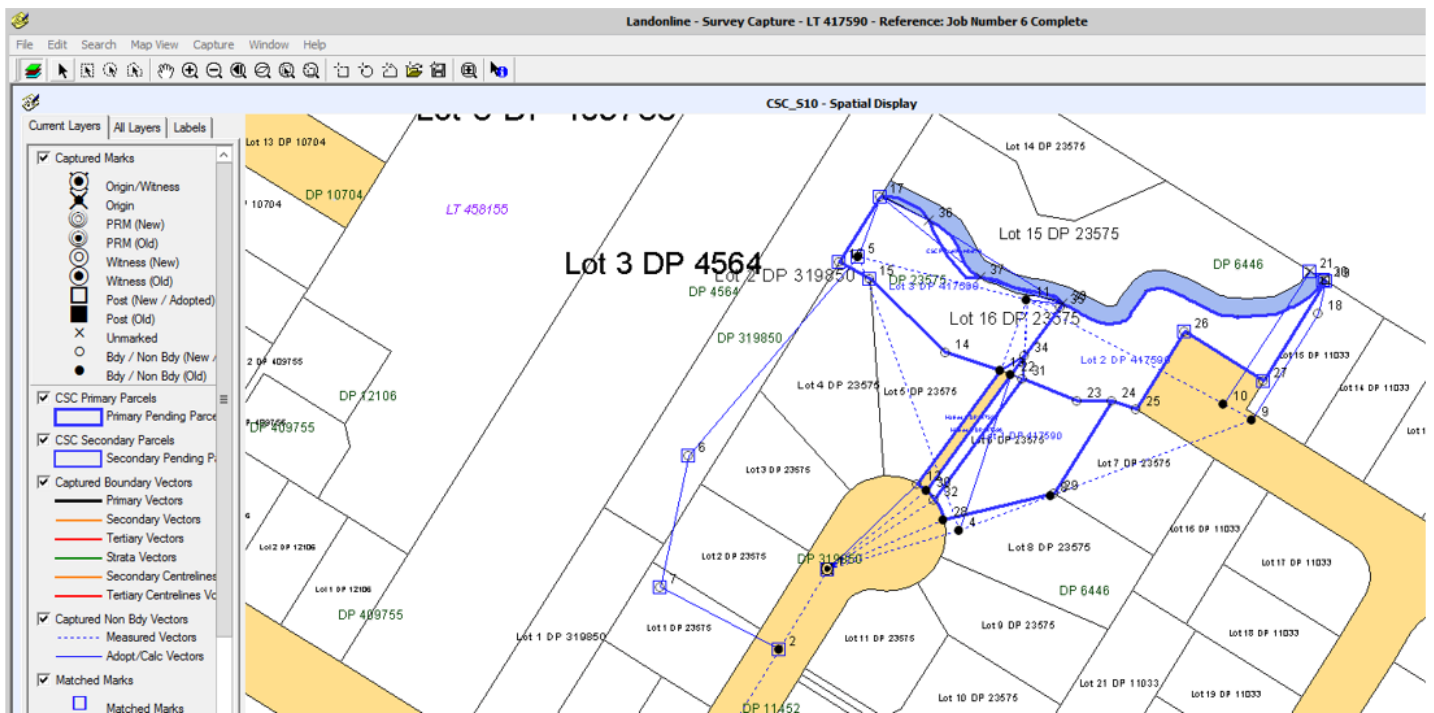
When linking Captured Marks to corresponding underlying Landonline marks, in the CSC_S10-Spatial Display screen, the 'Underlying Marks' layer is required to be turned on manually first.

When turned on, the 'Underlying Marks' layer displays below the captured marks making it difficult to see if there is a mark to link to or not.

This new functionality now makes it simpler and faster to link marks.

Action

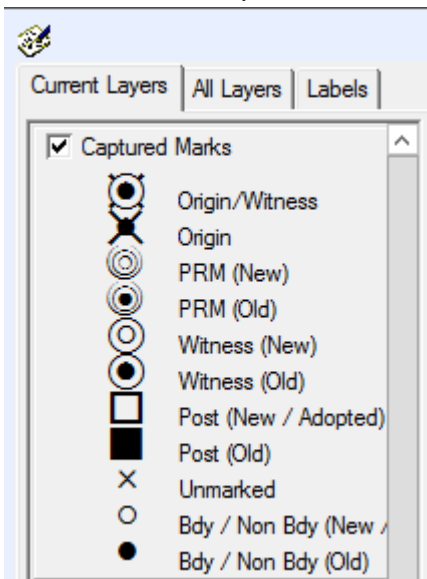
- Open the Spatial window at Capture
- 'Current Layers' tab displays 'Captured Marks' at the top. 'Underlying Marks' layer is further down the tab and **not** turned on (do not turn them on)
- Captured data displays with the underlying boundaries (screen scale may need to be adjusted to see this view)



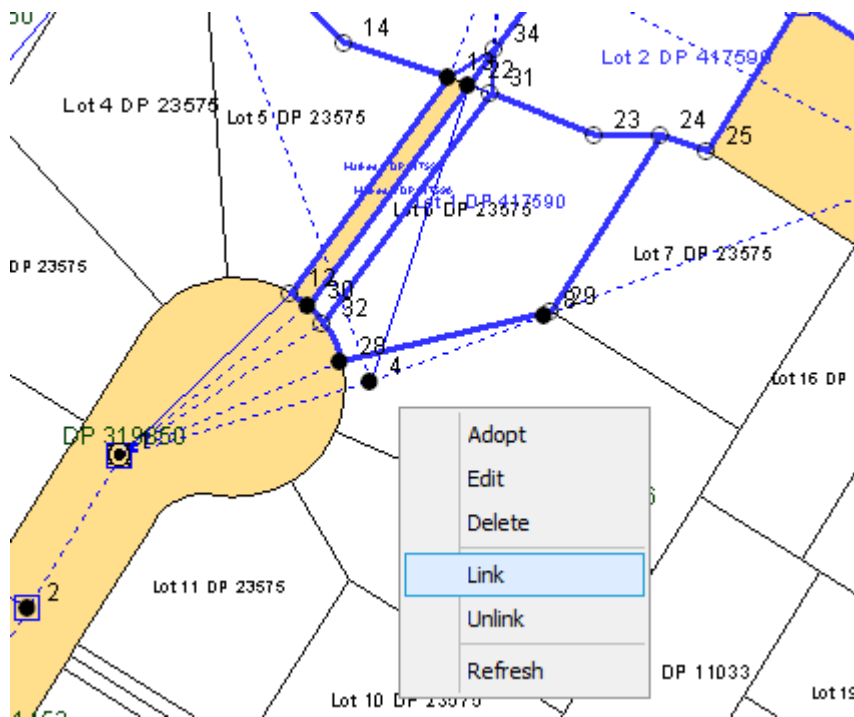
Without turning on the 'Underlying Marks' layer, the following options outline what to do to link marks:

Option 1 – Manually Link Marks Directly In the Spatial Window:

- Check that the 'Captured Marks' layer is active (active by default)

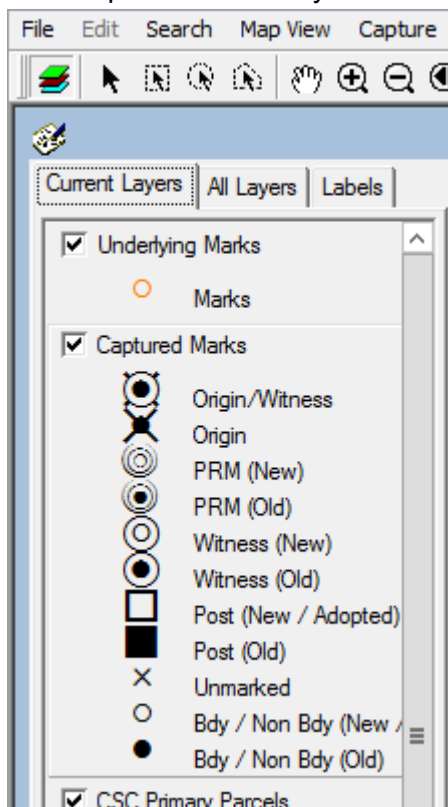


- In the Spatial window anywhere, right-click on the mouse (nothing has to be selected spatially) - **recommended method**
- A drop down menu appears - select 'Link'



The following actions will occur automatically once 'Link' is selected in the window above:

- Mouse cursor changes to the cross
- The 'Underlying Marks' layer automatically turns on and moves to the top of the 'Current Layers' tab above the 'Captured Marks' layer
- The 'Captured Marks' layer remains the active layer



Marks are now ready to be linked using the following steps:

- Select the Captured mark spatially
- Move mouse away to reveal the linking line
- Double click on the corresponding Underlying Mark to complete linking that mark

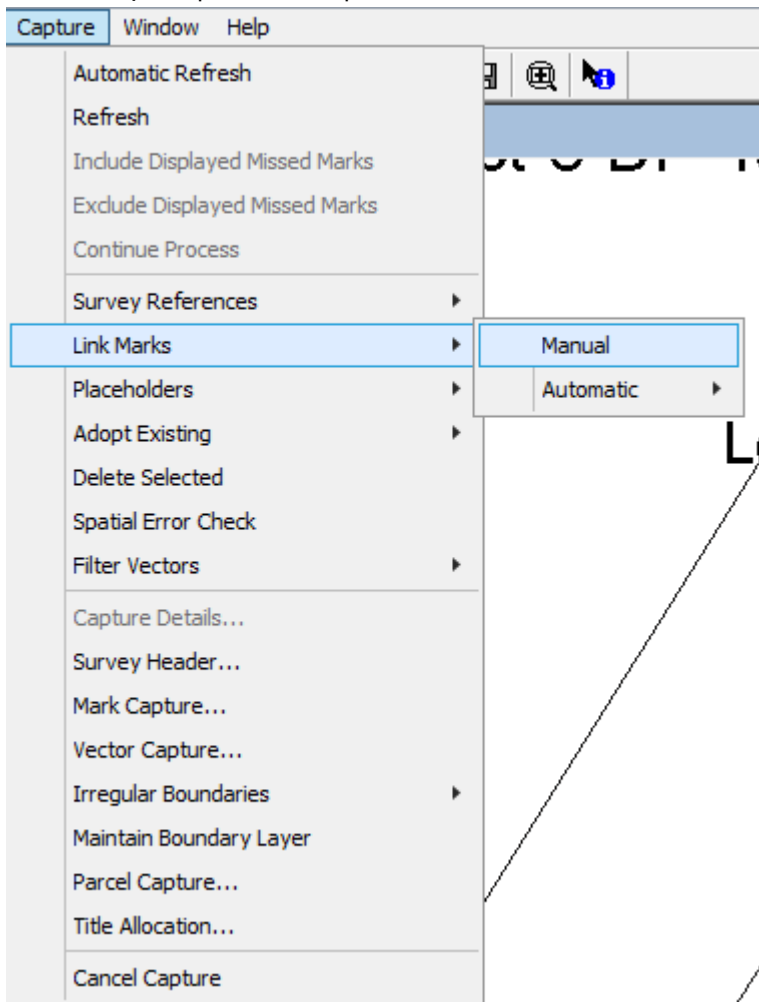
Repeat the above three bullet points until all marks are linked to corresponding Underlying Marks.

Mark Linking will remain the focus in the Spatial window until this action is changed e.g. Zoom In, Pan etc.

If the action of linking is changed and mark linking is required to be done again, simply right click in the Spatial window and select 'Link' and repeat the last three steps above.

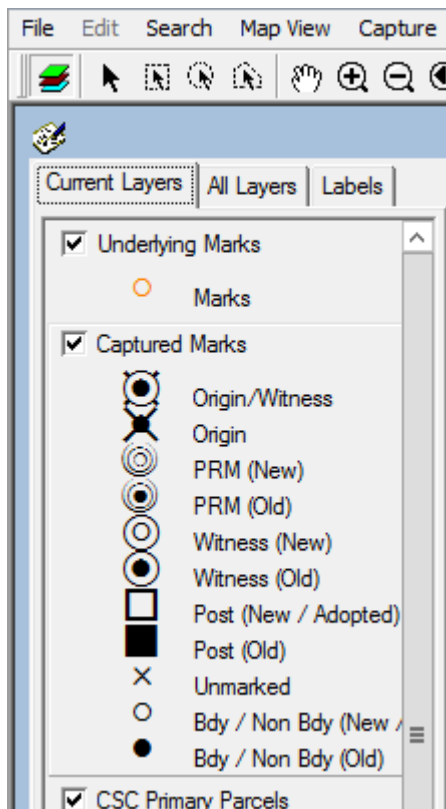
Option 2 – Manually link marks from the Capture drop down menu:

- Select Capture|Link Marks|Manual



The following actions will occur automatically once 'Manual' is selected in the window above:

- Mouse cursor changes to the cross
- The 'Underlying Marks' layer automatically turns on and moves to the top of the 'Current Layers' tab above the 'Captured Marks' layer
- The 'Captured Marks' layer remains the active layer



Marks are now ready to be linked using the following steps:

1. Select the Captured mark spatially
2. Move mouse away to reveal the linking line
3. Double click on the corresponding Underlying Mark to complete linking that mark

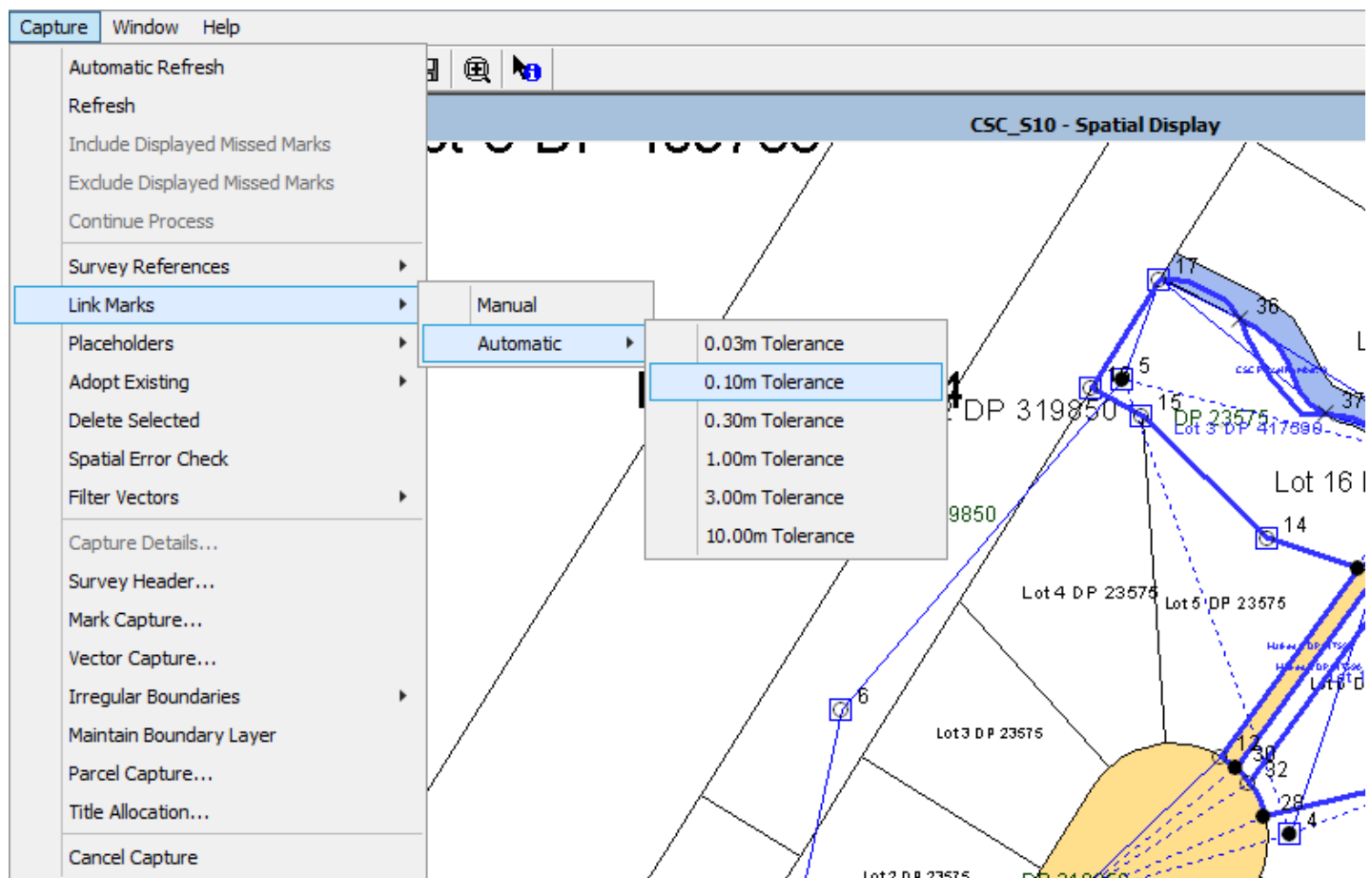
Repeat the above steps until all marks are linked to corresponding Underlying Marks.

Mark Linking will remain the focus in the Spatial window until this action is changed e.g. Zoom In, Pan etc.

If the action of linking is changed and mark linking is required to be done again, simply right click in the Spatial window and select 'Link' and repeat the last three steps above.

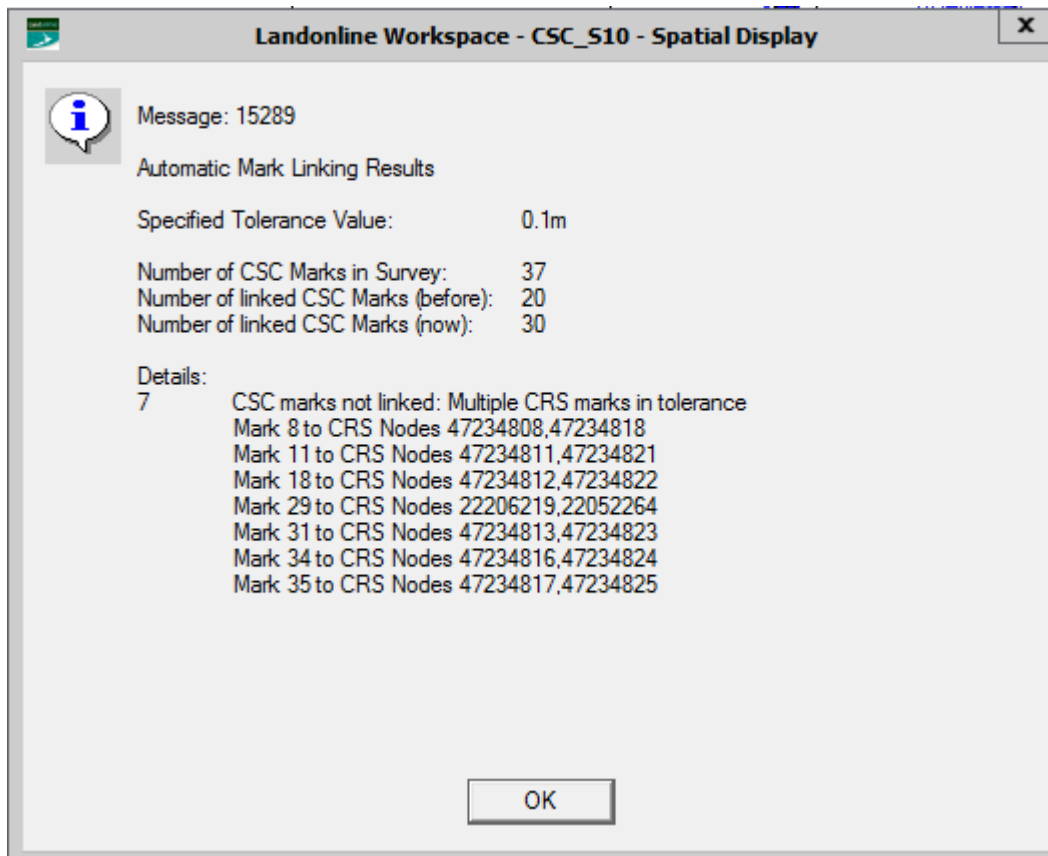
Option 3 – Automatically link marks from the Capture drop down menu:

- Select Capture|Link Marks|Automatic
- Select tolerance



The following actions will occur automatically once the appropriate tolerance is selected from the window above:

- The system will automatically link those marks within the selected tolerance
- The 'Underlying Marks' layer automatically turns on and moves to the top of the 'Current Layers' tab (so that they are visible below the captured marks)
- The 'Captured Marks' layer remains the active layer
- Message 15289 will appear reporting on the Automatic Mark Linking Results:



- Select 'OK' to that message

Mark Linking will remain the focus in the Spatial window until this action is changed e.g. Zoom In, Pan etc.

If the action of linking is changed and mark linking is required to be done again from the drop down menu, simply repeat these actions in Option 3 or do the following:

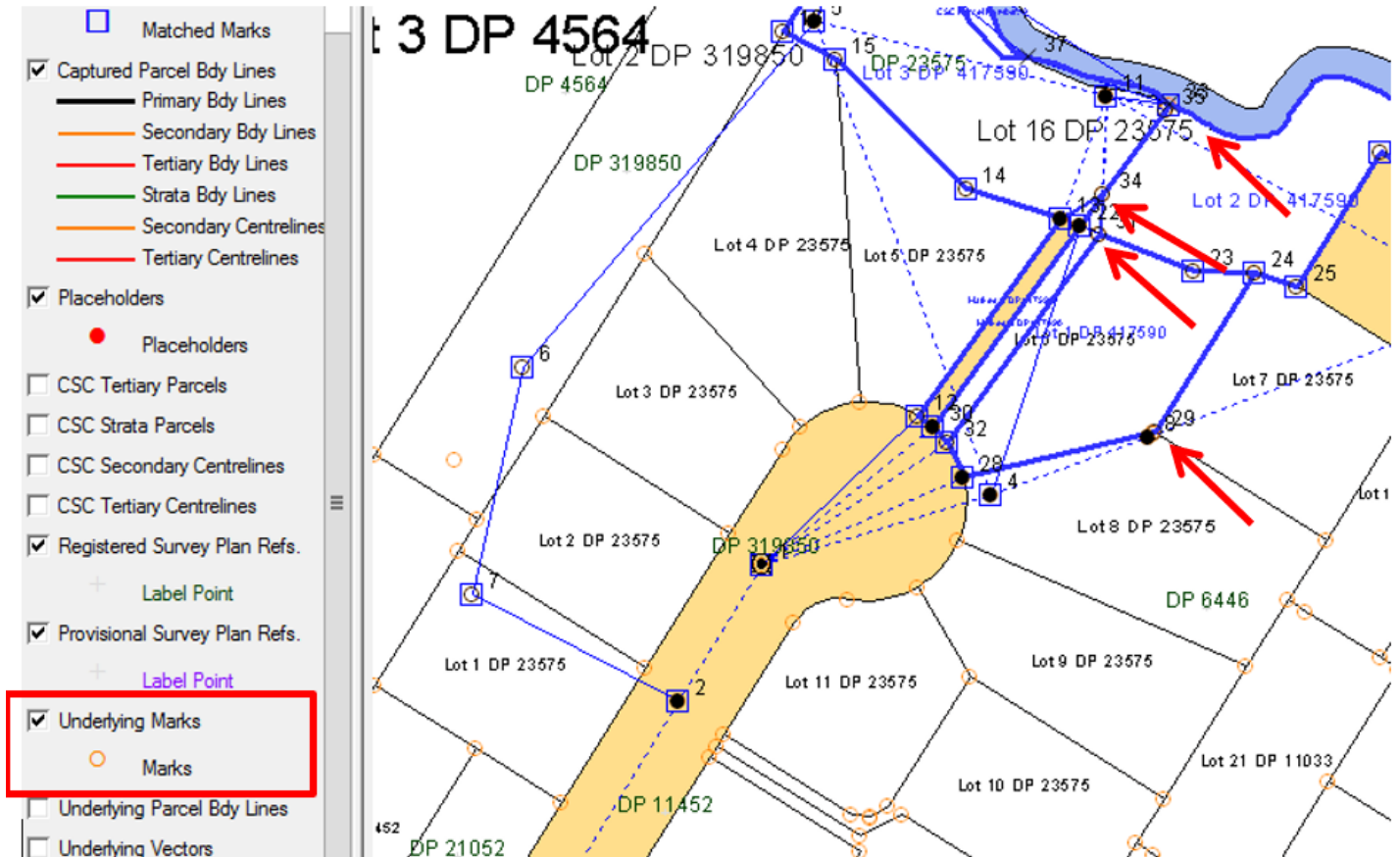
- Right-click on the spatial screen
- Select 'Link'
- With the left mouse button select the Captured mark spatially
- Move mouse away to reveal the linking line
- With the left mouse button double click on the corresponding Underlying Mark to complete linking that mark

Option 4 – Current Functionality

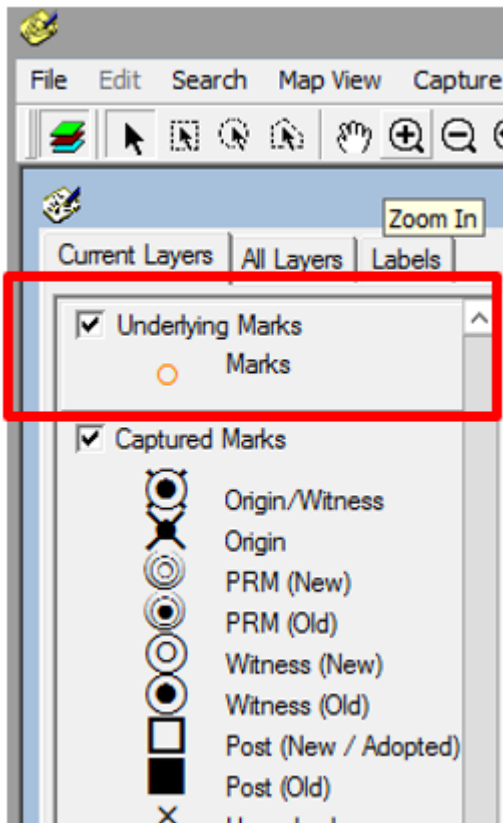
Turn on Underlying Marks Layer and Leave it where it sits in the Current Layers:

- Turn on the 'Underlying Marks' layer
- Leave the layer where it sits in the Current Layers tab
- In the Spatial window anywhere, Right click on the mouse (nothing has to be selected spatially) - **recommended method**
- Select 'Link'

- The 'Underlying Marks' layer does not move to the top of the 'Current Layers' tab and this makes it harder to see if there are any corresponding marks to link captured marks to as they are drawn below the 'Captured Marks'



- In the diagram above, marks 29, 34 and 35 have underlying marks that need to be linked but its not clear that there are any as the 'Underlying Marks' layer is drawn up below the Capture Marks layer
- Move the 'Underlying Marks' layer to the top of the 'Current Layers' tab (cancels linking)



- In the Spatial window anywhere, Right click on the mouse(nothing has to be selected spatially) - **recommended method**
- Select 'Link'
- Link the remaining marks

Note

It is recommended that you move the 'Underlying Marks' layer to the top of the 'Current Layers' tab if using Option 4, to avoid missing marks that should have been linked to corresponding Landonline marks.

To cancel linking just change an action by selecting a different icon e.g. pan, Zoom etc.

Underlying Observations – Additional Detail in Object Information Tool screen

Enhancement LOLCM-1610 (External)

Description

When in the Spatial windows the Object Information icon can be used query objects but it has not been possible to query vectors for full details of bearing/distance/adopted source etc.

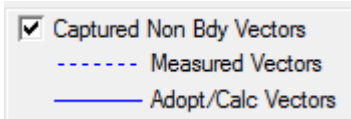
This enhancement is allowing vector information to now display in the Object Information Tool for both Searches and Capture.

Action

Workspace – Spatial Capture Window

How to view 'Captured Non-Bdy Vectors' details using the Object Information icon:

- Activate the 'Captured Non Bdy Vectors' layer



- Select the Object Information icon



- Select a Captured Non Boundary Vector from the spatial window – the CCL_S01i-Object Information Tool window opens and display the Vector Details:

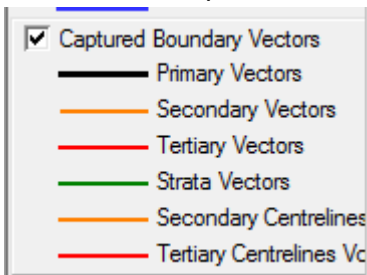
A screenshot of the 'CCL_S01i - Object Information Tool' window. At the top, there is a 'Feature Id' dropdown menu set to '5'. Below this is a table with two columns: 'Field' and 'Value'. The table contains the following data:

Field	Value
Seq Id	5
From Mark	5
To Mark	6
Bearing	212°20'30"
Distance	69.030
Layer	Nbdy
Arc Radius	
Arc Direction	
Arc Length	
Adoptive Source Bearing	DP 23575
Adoptive Source Distance	DP 23575

At the bottom of the window are two buttons: 'Locate' and 'Cancel'.

How to view 'Captured Boundary Vectors' details using the Object Information icon:

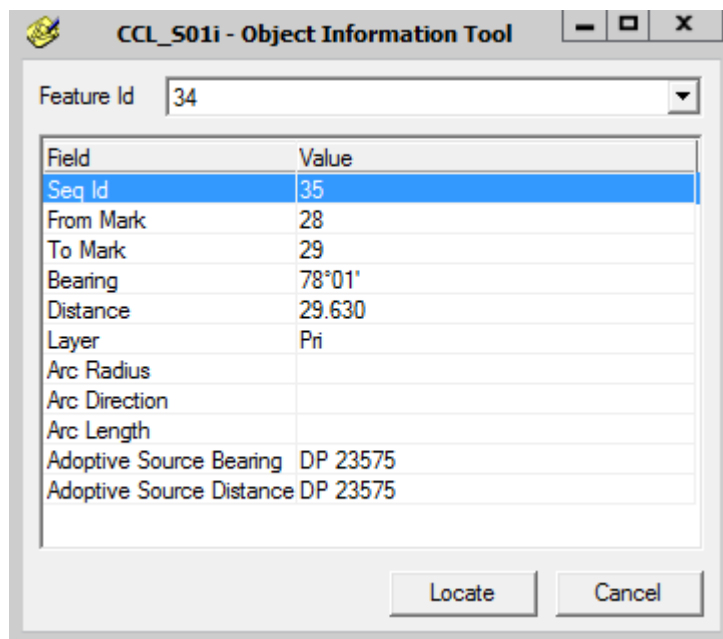
- Activate the 'Captured Boundary Vectors' layer



- Select the Object Information icon

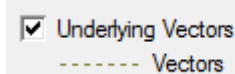


- Select a Captured Boundary vector from the spatial window – the CCL_S01i-Object Information Tool window opens and display the Vector Details:



How to view 'Underlying Vectors' details using the Object Information icon:

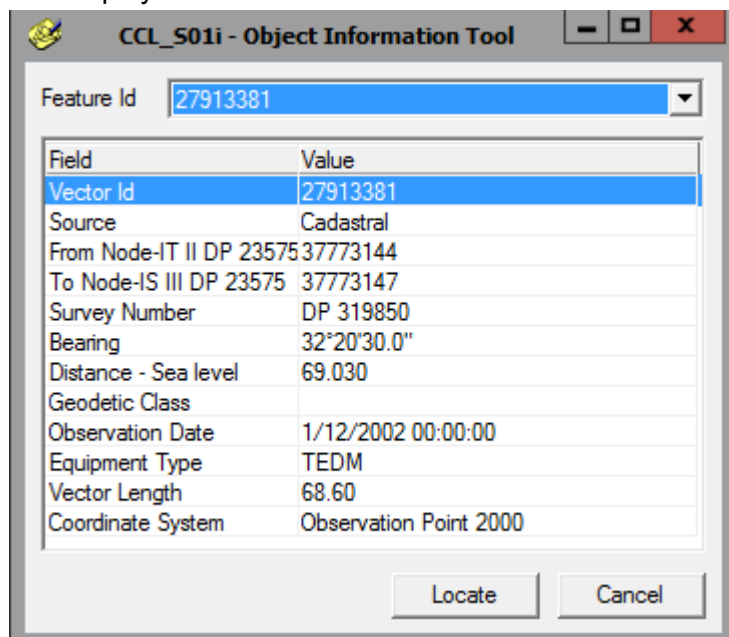
- Activate the 'Underlying Vectors' layer



- Select the Object Information icon



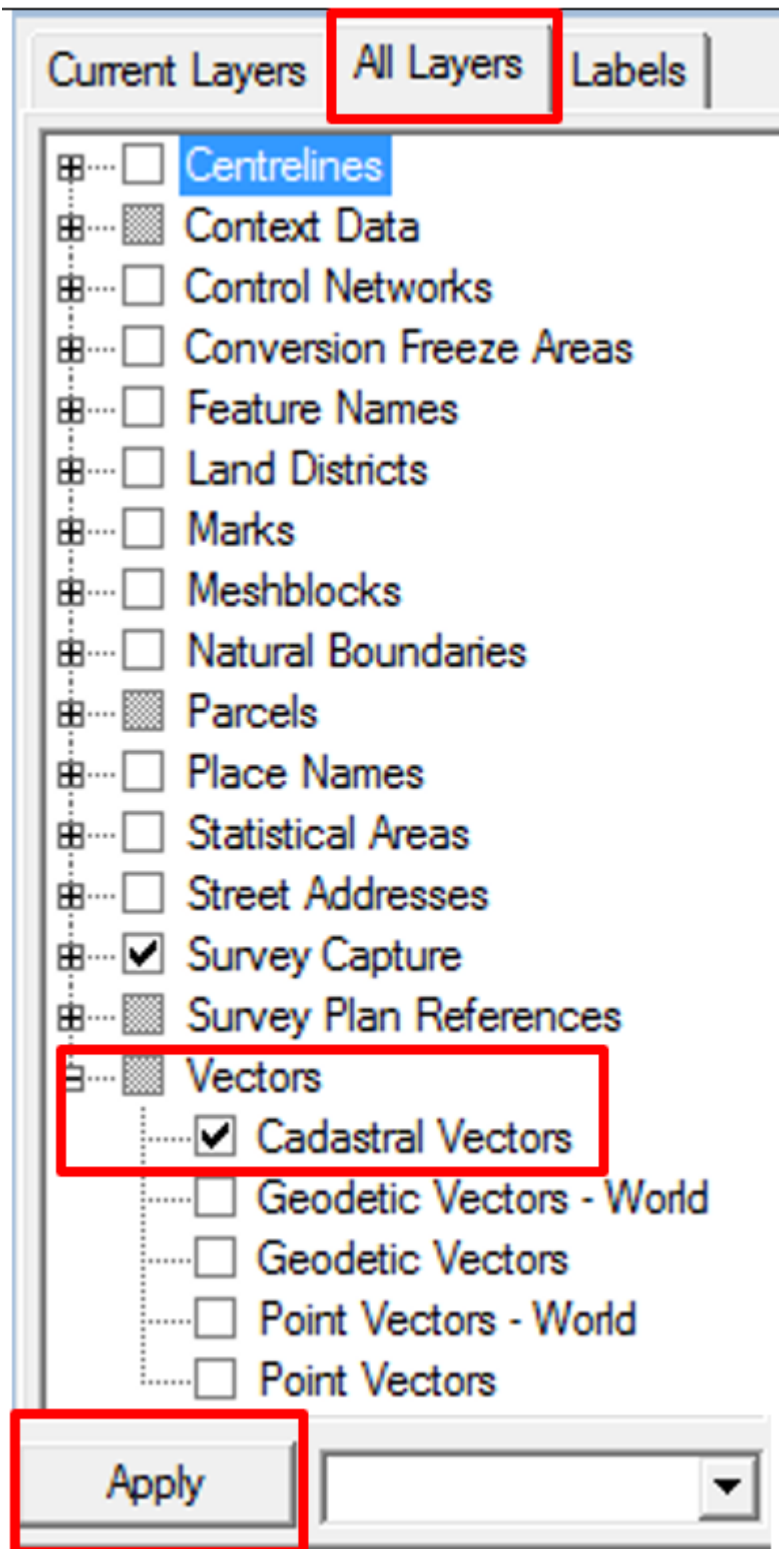
- Select an 'Underlying Vector' from the spatial window – the CCL_S01i-Object Information Tool window opens and display the Vector Details:



How to view 'Cadastral Vectors' details using the Object Information icon:

- Select the 'All Layers' tab
- Expand Vectors at the bottom of the list

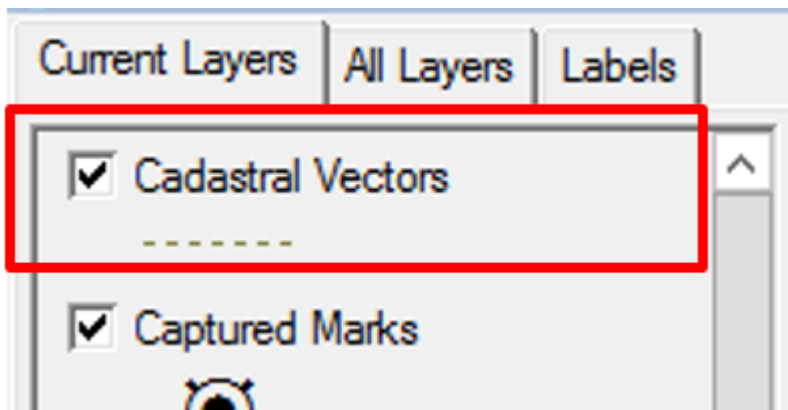
- Tick the box next to 'Cadastral Vectors'
- Select Apply button at the bottom of the screen



- Select the Object Information icon



- 'Cadastral Vectors' layer is added to the 'Current Layers'



- Select a Cadastral Vector from the spatial window – the CCL_S01i-Object Information Tool window opens and display the Vector Details:

Field	Value
Vector Id	27913381
Source	Cadastral
From Node-IT II DP 23575	37773144
To Node-IS III DP 23575	37773147
Survey Number	DP 319850
Bearing	32°20'30.0"
Distance - Sea level	69.030
Geodetic Class	
Observation Date	1/12/2002 00:00:00
Equipment Type	TEDM
Vector Length	68.60
Coordinate System	Observation Point 2000

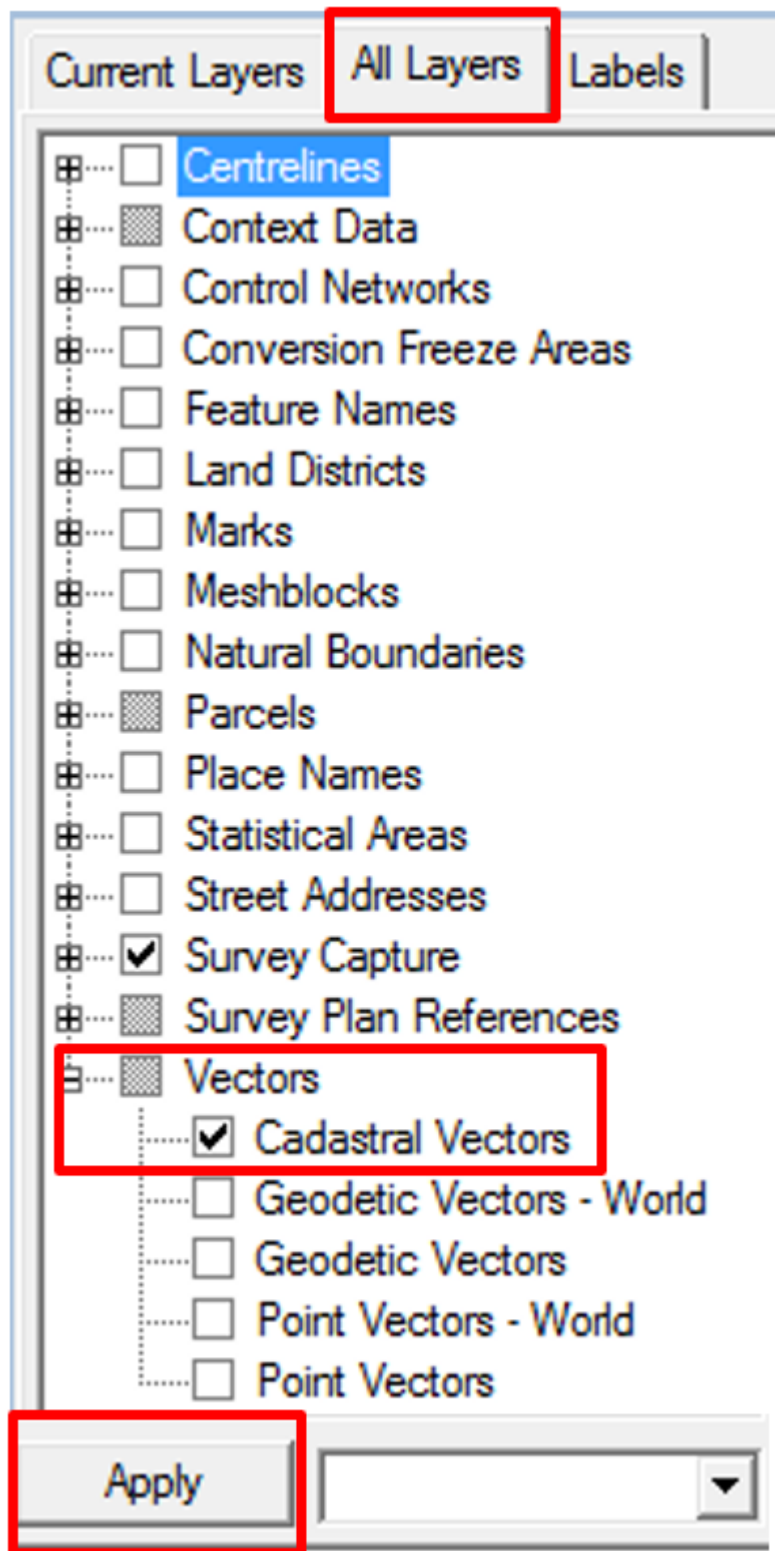
Locate Cancel

- Cadastral Vectors display the same information as the 'Underlying Vectors'

Workspace – Searches Spatial Window

How to view 'Cadastral Vectors' details using the Object Information icon:

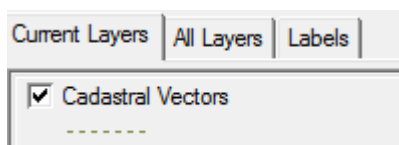
- Open the Searches|Spatial window
- Search for an Area of Interest
- Select the 'All Layers' tab
- Expand Vectors at the bottom of the list
- Tick the box next to 'Cadastral Vectors'
- Select Apply button at the bottom of the screen



- Select the Object Information icon



- Cadastral Vectors is added to the top of the 'Current Layers' tab



- Select a Cadastral Vector from the spatial window – the CCL_S01i-Object Information Tool window opens and display the Vector Details:

Field	Value
Vector Id	27913381
Source	Cadastral
From Node-IT II DP 23575	37773144
To Node-IS III DP 23575	37773147
Survey Number	DP 319850
Bearing	32°20'30.0"
Distance - Sea level	69.030
Geodetic Class	
Observation Date	1/12/2002 00:00:00
Equipment Type	TEDM
Vector Length	68.60
Coordinate System	Observation Point 2000

Note

The following vectors cannot be viewed in Spatial Capture or Searches with the Object Information icon as they cannot be adopted into a cadastral survey

- Geodetic Vectors – World
- Geodetic Vectors
- Point Vectors – World
- Point Vectors

Create Columns in Prevalidation Report for Rules C445, 455 and 483

Enhancement LOLCM-1808 (External)

Description

This enhancement has added additional columns in the Prevalidation reports (both the HTML and Plain Text Format versions) to business rules C445, C455 and C483.

The additional columns and information added will assist users in identifying the reported vectors back in their Vector Capture screens and will make checking/editing/reporting of these easier.

Action

Business Rules C445, C455 and C483 are now tabulated in the Prevalidation Report when they report:

C445 – HTML version

- ☐ C445 - Warning - (2) The following boundary vectors relating to existing boundaries, captured in part as 'measured' or 'calculated', have DISTANCES that do not match the latest information held by Landonline. (2)

Seq Id	From - To	Distance	Distance Difference	Bearing
16	14 - 15	27.6000 m	0.0200 m	315°57'00.0"
52	32 - 28	5.9600 m	0.0300 m	156°31'00.0"

- ☐ C445 - Warning - (1) The following boundary vectors relating to existing boundaries, captured in part as 'measured' or 'calculated', have BEARINGS that do not match the latest information held by Landonline. (1)

Seq Id	From - To	Bearing	Bearing Difference	Distance
16	14 - 15	315°57'00.0"	0°02'00.0"	27.6000 m

- ☐ C445 - Warning - (3) The following arcs relating to existing boundaries have arc radii that do not match the latest information held by Landonline. (1)

Seq Id	From - To	Radius	Radius Difference	Chord Bearing	Arc Length
52	32 - 28	15.0500 m	0.0500 m	156°31'00.0"	5.9600 m

- ☐ C445 - Warning - (4) The following arcs relating to existing boundaries, have chord bearings that do not match the latest information held by Landonline. (1)

Seq Id	From - To	Chord Bearing	Chord Bearing Difference	Arc Length
52	32 - 28	156°31'00.0"	0°02'00.0"	5.9600 m

C445 – Plain Text Format version

C445 - Warning - (1) The following boundary vectors relating to existing boundaries, captured in part as 'measured' or 'calculated', have BEARINGS that do not match the latest information held by Landonline.

Seq Id | From - To | Bearing | Brg Difference | Distance

16 | 14 - 15 | 315°57'00.0" | 0°02'00.0" | 27.6000 m

C445 - Warning - (2) The following boundary vectors relating to existing boundaries, captured in part as 'measured' or 'calculated', have DISTANCES that do not match the latest information held by Landonline.

Seq Id | From - To | Distance | Dist Difference | Bearing

16 | 14 - 15 | 27.6000 m | 0.0200 m | 315°57'00.0"

53 | 32 - 28 | 5.9600 m | 0.0300 m | 156°31'00.0"

C445 - Warning - (3) The following arcs relating to existing boundaries have arc radii that do not match the latest information held by Landonline.

Seq Id | From - To | Radius | Rad Difference | Chord Brg | Arc Length

53 | 32 - 28 | 15.0500 m | 0.0500 m | 156°31'00.0" | 5.9600 m

C445 - Warning - (4) The following arcs relating to existing boundaries, have chord bearings that do not match the latest information held by Landonline.

Seq Id | From - To | Chord Brg | Chord Brg Difference | Arc Length

53 | 32 - 28 | 156°31'00.0" | 0°02'00.0" | 5.9600 m

C455 – HTML version

- ☐ C455 - Warning - (1) The following non-boundary vectors have bearings captured as 'measured' or 'calculated' that do not match the latest information held by Landonline. (1)

Seq Id	From - To	Bearing	Bearing Difference	Distance
8	4 to 8	70°40'00.0"	0°06'00.0"	25.3000 m

- ☐ C455 - Warning - (2) The following non-boundary vectors have distances captured as 'measured' or 'calculated' that do not match the latest information held by Landonline. (1)

Seq Id	From - To	Distance	Distance Difference	Bearing
8	4 to 8	25.3000 m	0.0200 m	70°40'00.0"

C455 – Plain Text Format version

C455 - Warning - (1) The following non-boundary vectors have bearings captured as 'measured' or 'calculated' that do not match the latest information held by Landonline.
Seq Id | From - To | Bearing | Brg Difference | Distance

8 | 4 to 8 | 70°40'00.0" | 0°06'00.0" | 25.3000 m

C455 - Warning - (2) The following non-boundary vectors have distances captured as 'measured' or 'calculated' that do not match the latest information held by Landonline.
Seq Id | From - To | Distance | Dist Difference | Bearing

8 | 4 to 8 | 25.3000 m | 0.0200 m | 70°40'00.0"

C483 – HTML version

- ☐ C483 - Warning - (2) The following adopted vectors have DISTANCES that do not match the latest information held by Landonline. (4)

Seq Id	From - To	Distance	Distance Difference	Distance Source	Bearing
5	5 - 6	69.0300 m	0.2700 m	DP 23575	212°20'30.0"
15	13 - 14	15.0200 m	0.0200 m	DP 23575	289°30'10.0"
19	17 - 5	16.5000 m	0.0800 m	DP 23575	202°00'00.0"
28	23 - 24	9.2000 m	0.0200 m	DP 23575	92°31'00.0"

- ☐ C483 - Warning - (1) The following adopted vectors have BEARINGS that do not match the latest information held by Landonline. (3)

Seq Id	From - To	Bearing	Bearing Difference	Bearing Source	Distance
15	13 - 14	289°30'10.0"	0°00'10.0"	DP 23575	15.0200 m
19	17 - 5	202°00'00.0"	0°04'00.0"	DP 23575	16.5000 m
28	23 - 24	92°31'00.0"	0°02'00.0"	DP 23575	9.2000 m

- ☐ C483 - Warning - (3) The following adopted arcs have arc radii that do not match the latest information held by Landonline. (2)

Seq Id	From - To	Radius	Radius Difference	Chord Bearing	Arc Length
51	12 - 30	15.0500 m	0.0500 m	127°35'10.0"	2.9900 m
52	30 - 32	15.0500 m	0.0500 m	139°10'00.0"	3.0700 m

- ☐ C483 - Warning - (5) Supplied dimensions of adopted vectors have not been tested as underlying information is not held by Landonline. (2)

Seq Id	From - To	Bearing	Bearing Source	Distance	Distance Source
32	27 - 200	33°29'40.0"	DP 23575	5.0000 m	DP 23575
33	200 - 19	33°29'40.0"	DP 23575	25.6100 m	DP 23575

- ☐ C483 - Warning - (4) The following adopted arcs have chord bearings that do not match the latest information held by Landonline. (2)

Seq Id	From - To	Chord Bearing	Chord Bearing Difference	Arc Length
51	12 - 30	127°35'10.0"	0°00'10.0"	2.9900 m
52	30 - 32	139°10'00.0"	0°05'00.0"	3.0700 m

C483 – Plain Text Format version

C483 - Warning - (1) The following adopted vectors have BEARINGS that do not match the latest information held by Landonline.

Seq Id | From - To | Bearing | Brg Difference | Brg Source | Distance

15	13 - 14	289°30'10.0"	0°00'10.0"	DP 23575	15.0200 m
19	17 - 5	202°00'00.0"	0°04'00.0"	DP 23575	16.5000 m
28	23 - 24	92°31'00.0"	0°02'00.0"	DP 23575	9.2000 m

C483 - Warning - (2) The following adopted vectors have DISTANCES that do not match the latest information held by Landonline.

Seq Id | From - To | Distance | Dist Difference | Dist Source | Bearing

5	5 - 6	69.0300 m	0.2700 m	DP 23575	212°20'30.0"
15	13 - 14	15.0200 m	0.0200 m	DP 23575	289°30'10.0"
19	17 - 5	16.5000 m	0.0800 m	DP 23575	202°00'00.0"
28	23 - 24	9.2000 m	0.0200 m	DP 23575	92°31'00.0"

C483 - Warning - (3) The following adopted arcs have arc radii that do not match the latest information held by Landonline.

Seq Id | From - To | Radius | Rad Difference | Chord Brg | Arc Length

51	12 - 30	15.0500 m	0.0500 m	127°35'10.0"	2.9900 m
52	30 - 32	15.0500 m	0.0500 m	139°10'00.0"	3.0700 m

C483 - Warning - (4) The following adopted arcs have chord bearings that do not match the latest information held by Landonline.

Seq Id | From - To | Chord Brg | Chord Brg Difference | Arc Length

51	12 - 30	127°35'10.0"	0°00'10.0"	2.9900 m
52	30 - 32	139°10'00.0"	0°05'00.0"	3.0700 m

C483 - Warning - (5) Supplied dimensions of adopted vectors have not been tested as underlying information is not held by Landonline.

Seq Id | From - To | Bearing | Brg Source | Distance | Dist Source

32	27 - 200	33°29'40.0"	DP 23575	5.0000 m	DP 23575
33	200 - 19	33°29'40.0"	DP 23575	25.6100 m	DP 23575

Change the Wording for Business Rule C441(1)

Change Request LOLCM-1844 (Internal and External)

Description


Release 3.20 introduced the ability to record Vertical Datums, if they exist in the survey being undertaken. The Vertical Datum field is found in the Survey Header screen at Capture.


A change was requested to make the wording of C441 rule (that runs at Prevalidation) clearer to ensure that the correct information is being recorded in the Vertical Datum field.

Action

Fixed

At Prevalidation, the wording for the C441 rule has been changed to alert users to record a Vertical Datum.

 C441 - Warning - No vertical datum has been selected. Select the correct datum from the Survey Header if your CSD contains a reduced level - Rule 9.2(b). Select 'None' if your CSD does not contain a reduced level. (1)

 A vertical datum has not been selected

Automated Schedule/Memorandum is Truncating Text and the Double Spacing Between Entries No Longer Exists

Defect LOLCM-1884 (External)

Description

When creating tables in the Automated Schedule/Memorandum tab, some text was being truncated within added Purposes, and the Double line spacing between Purposes was disappearing making it difficult to differentiate between each Purpose added.

Action

Fixed

When Two Territorial Authorities are Entered, Only One Can Have Certificates Added

Defect LOLCM-1898 (External)

Description

Since the 3.20 release, when more than one Territorial Authority name was entered into the TA Name field in the TA Certifications tab, it was identified that TA certs could only be added to the northern most TA name entered.

Action

Certificates can now be attached to all TA Names entered into the TA Certifications Tab

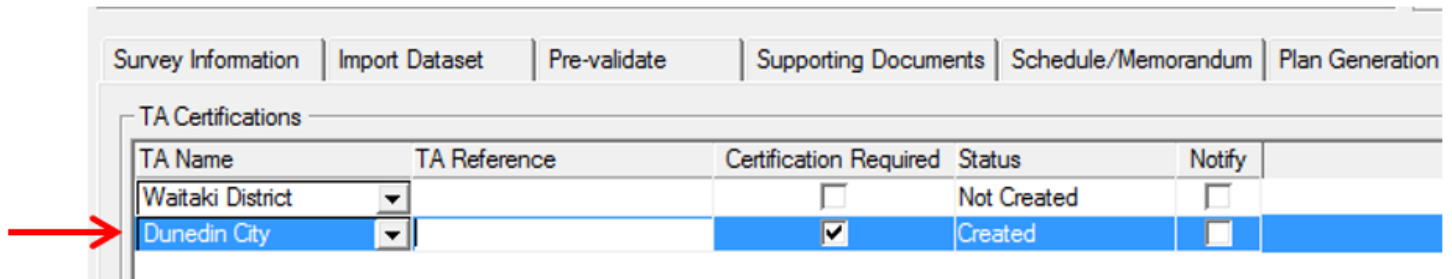
- Add TA names into the TA Certification tab
- In the example below Dunedin City is added first followed by Waitaki District. Dunedin City. (Geographically Dunedin City is further south but is shown as it is entered for now in the TA Certifications tab)

The screenshot shows the 'CSL_S06 - Survey Lodgement' application window. The 'TA Certifications' tab is active, displaying a table with columns: TA Name, TA Reference, Certification Required, Status, and Notify. Two entries are listed: 'Dunedin City' and 'Waitaki District'. A red arrow points to the 'Dunedin City' entry. To the right of the table are buttons for 'Certification...', 'Add', and 'Delete'.

TA Name	TA Reference	Certification Required	Status	Notify
Dunedin City		<input type="checkbox"/>	Not Created	<input type="checkbox"/>
Waitaki District		<input type="checkbox"/>	Not Created	<input type="checkbox"/>

- Check the Certification Required checkbox for Dunedin City
- Add Certificates

When the screen goes back to the CSL_S02 Manage Survey Transaction screen the TA names entered are now sorted geographically (north to south down the country) and Dunedin City is now correctly shown second in the list:



TA Name	TA Reference	Certification Required	Status	Notify
Waitaki District		<input type="checkbox"/>	Not Created	<input type="checkbox"/>
Dunedin City		<input checked="" type="checkbox"/>	Created	<input type="checkbox"/>

- Certificates can now be added to the other TA entered
- The TA Names remain listed geographically

Last Updated: 22 November 2019