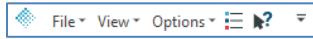


## LP360 Menus and Quick Access



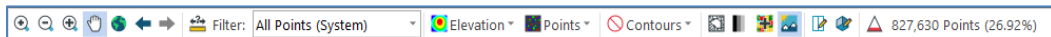
File	View	Options	Quick Access
New	Table of Contents	Customize Ribbon Menu	LP360 Navigation
Open ->  Project... Project File... Explorer Package... LAS Files... Raster Files... Feature Files...	Profile Window	Customize Toolbar	File
Save Project	3-D Window	Reset Ribbon/Toolbars...	View
Save Project As...	Immersive Window	Reset Layout...	Options
Close Project	Gaussian Splat Window (EXP)	Font -> Small/Normal/Large/Extra Large	Job Manager
Open Startup Dialog...	LP360 Navigation	<b>Job Manager</b>	Help
Project Settings...	Dock all Floating Windows	[Opens Job Manager dialog]	More Commands
Child Projects...	Toolbar Icons -> Small/Large	<b>Help Context</b>	Show Below the ribbon
Re-Path Project...		[Open LP360 help cursor – Click on different options in LP360 to open specific help documentation]	Minimize the Ribbon
Coordinate System Utility...			
Create LPLAS Dataset...			
Import from ASCII XYZ+...			
Import from MG4			
Project Metadata...			
License Manager			
Recent Project(s) List			
Exit			

## Navigation Tools



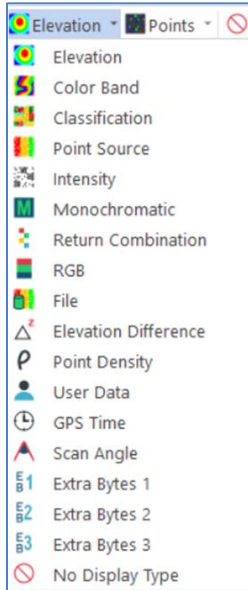
	Identify		Active LAS Layer		Live View		Draw 3D Window Extent
	Center Viewer on Mouse Click		Toggle Profile View		Toggle 3D View		Immersive Window



















## Map Toolbar



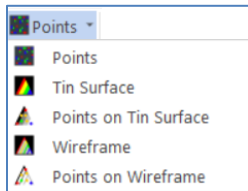
	Zoom In		Previous Extent		Draw Types (Draw Points)		Draw 3D Window Extent
	Zoom Out		Next Extent		Display Contours		Draw Profile Line
	Continuous Zoom & Pan		Active LAS Layer		Toggle Breakline Enforcement		Force 100% Resolution
	Pan		Single LAS Mode		Apply Intensity		Point Information
	Fit World		View Filter		Blend Classification		
	Measure		Legend Types (Elevation)		Toggle Hillshade		

## Legend Types



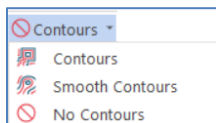
	Elevation		Monochromatic		Point Density		Extra Byte 2
	Color Band		Return Combination		User Data		Extra Byte 3
	Classification		RGB		GPS Time		No Display Type
	Point Source ID		File		Scan Angle		
	Intensity		Elevation Difference (dZ)		Extra Byte 1		




## Draw Types














































	Points		Draw TIN Surface		Draw Points on TIN Surface		Wireframe
	Draw Points on Wireframe						

## Contours





































	Contours		Smooth Contours		No Contours
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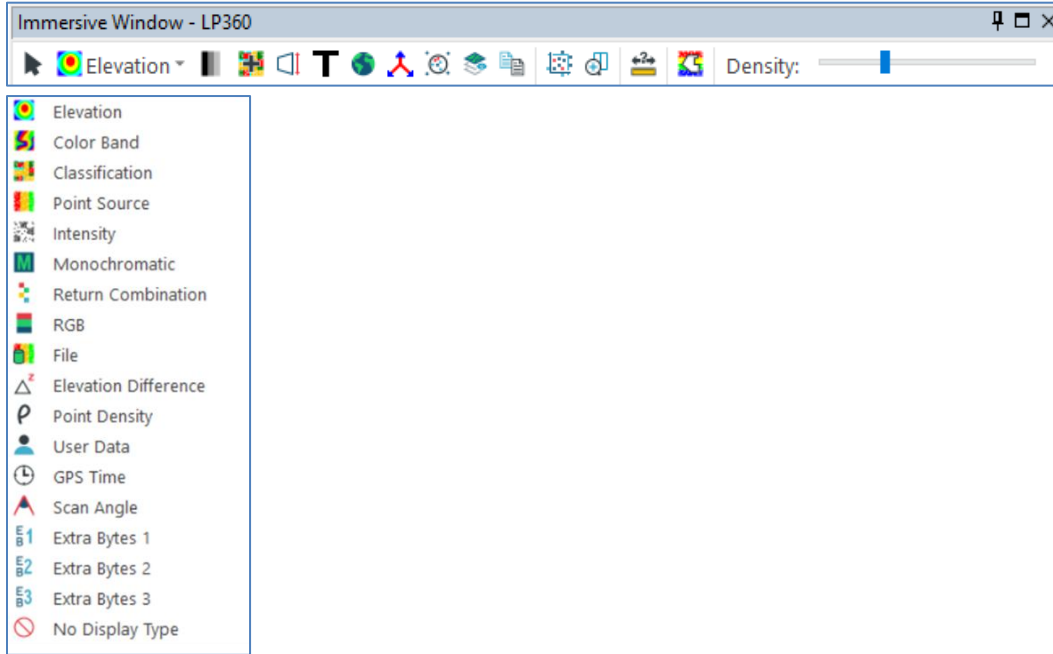
## Profile Window

















Profile Window - LP360							
	<b>Legend Types</b> (Elevation (CTRL+Q))		GPS Time		Display Properties		Source Points Filter
	Color Band (CTRL+A)		Scan Angle		Profile Depth		Classify Above Line (CTRL+G)
	Classification (CTRL+W)		Extra Bytes (1/2/3)		Toggle Breakline Enforcement		Classify Below Line (CTRL+H)
	Intensity (CTRL+E)		Blend Classification		Copy Profile to Clipboard (CTRL+C)		Classify Within a Distance (CTRL+Y)
	Monochromatic		Vertical Exaggeration	<b>Drape Profile Options</b>			Classify within Polygon (CTRL+F)
	Return Combination (CTRL+R)		Re-center Z Extent (CTRL+B)		Drape Profile Line		Small Paintbrush (CTRL+J)
	Point Source ID (CTRL+T)		Graticule On/Off		Drape Profile by Point Source ID		Medium Paintbrush (CTRL+K)
	GIS Fusion (CTRL+U)		Toggle Cursor Crosshair		Profile Export Settings		Large Paintbrush (CTRL+L)
	RGB (CTRL+I)		Continuous Pan & Zoom (CTRL+D)		Export Draped Line		Undo Last Edit
	File (CTRL+X)		Measure (CTRL+M)		View Filter		Redo Last Edit
	User Data		Measure Area		Classify Non-visible Points Toggle		Destination Class & Flags

## 3D Window

3D Window - LP360							
	<b>Legend Types</b>		RGB (CTRL+I)		Draw Points on TIN		Toggle Breakline Enforcement
	Elevation (CTRL+Q)		File (CTRL+X)		Draw Wireframe		Display Properties
	Color Band (CTRL+A)		User Data (CTRL+S)		Draw Points on Wireframe		Top View (CTRL+D)
	Classification (CTRL+W)		GPS Time		Apply Intensity		Fit World (CTRL+F)
	Intensity (CTRL+E)		Scan Angle		Blend Classification		Toggle Axis (CTRL+B)
	Monochromatic		Extra Bytes (1/2/3)		Toggle Hillshade		Force 100% Resolution
	Return Combination (CTRL+R)	<b>Draw Types</b>		<b>Display Contours</b>			Copy 3D Viewer to Clipboard (CTRL+C)
	Point Source ID (CTRL+T)		Draw Points		Display Contours		View Filter
	GIS Fusion (CTRL+U)		Draw TIN		Display Smooth Contours		Vertical Exaggeration

## Immersive Viewer



	Default Navigation Tool		Set to Top View		Copy to Clipboard		Enable/Disable Immersive Image Explorer
	Legend Types		Zoom to Full Extent		Draw Clipping Plane	Density:	Point Density
	Apply Intensity Shading		Toggle Axis Lines		Clip IV to Profile Extent		
	Blend Classification		Toggle Sprite Mode		Measure tool		
	Set Vertical Scale		Show Feature Layers		Classify within a Polygon		






## Draw Clipping Plane



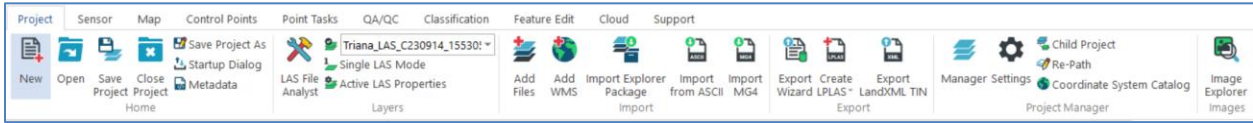
	Start Clipping		Keep Outside		Redo Last Clipping Plane		Stop Clipping
	Keep Inside		Undo Last Clipping Plane		Clear All Clipping Planes		

## Immersive Image Explorer



	Immersive Image Picker		Hide/Show Point Clouds		Geo Images Street View Images		Close Immersive Image Explorer
	Hide/Show Images						

## Project tab



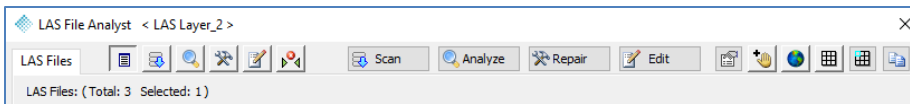
## Home

















	New		Save Project		Save Project As		Metadata
	Open		Close Project		Startup Dialog		

## Layers


	LAS File Analyst		Active LAS Layer		Single LAS Mode		Active LAS Proprieties
---	------------------	---	------------------	---	-----------------	---	------------------------

## LAS File Analyst Dialog









	Show/Hide LAS File Header Columns		Select Display Type for Analyze Columns		LAS File Analyst Options		Copy all rows in list to clipboard
	Show/Hide Scan Columns		Execute Scan		Window Centering		
	Show/Hide Analyze Columns		Execute Analysis		Window Fitting		
	Show/Hide Repair Columns		Execute Repair		Display Boundaries		
	Show/Hide Edit Columns		Execute Edit		Select LAS Files Graphically		

## Import

	Add Files		Add WMS		Import Explorer Package		Import from ASCII
	Import MG4						


## Export

	Export Wizard		Create LPLAS		Export LandXML TIN
	Create LPLAS Dataset		Create LPLAS Layer (Single LPLAS File)		Create LPLAS Layer (Multiple LPLAS Files)

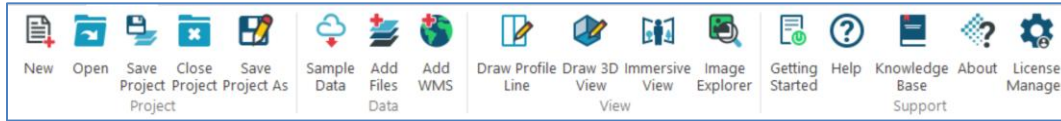
## Project Manager

	Manager		Settings		Child Project		Re-Path
	Coordinate System Catalog						






## Images

	Image Explorer
---	----------------




## Viewer tab







## Home

	New		Save Project		Close Project		Save Project As
	Open						






## Data

	Sample Data		Add Files		Add WMS
---	-------------	---	-----------	---	---------

## View
























	Draw Profile Line		Draw 3D View		Immersive View		Image Explorer
---	-------------------	---	--------------	---	----------------	---	----------------

## Support

	Getting Started		Knowledge Base		About		License Manager
	Help						

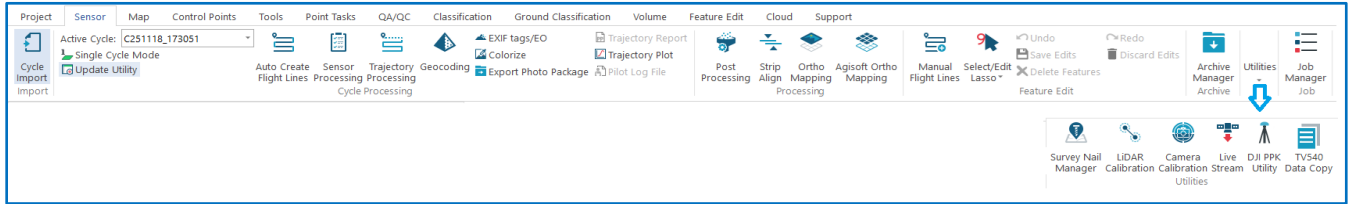
## Image Explorer dialog




	Fit the Image in Primary Windows		Identify Point		Marker Display Toggle		Zoom in All Overview Windows
	Display 1:1 Primary Windows		Set All Image Views to Pan/Zoom Mode		Overview Windows Display Toggle		Zoom Out All Overview Windows
	Display 2:1 Primary Windows		Flash Photo Mode		Undistort Primary Windows Toggle		Pan to Marker in All Overview Windows
	Zoom in Primary Windows		Select Left Primary Image Mode		Fit the Image in Overview Windows		
	Zoom Out Primary Windows		Select Right Primary Image Mode		Display 1:1 Overview Windows		Recompute Photo Drives
	Pan to Marker in Both Primary Windows		Measure Object Point		Display 2:1 Overview Windows		Image Explorer Settings

## Sensor tab














The tools on this tab are exclusively available with an LP360 Drone or LP360 Land license.



### Import

	Cycle Import
---	--------------










### Cycle Processing

Active Cycle:	Active Cycle		Auto Create Flight Lines		EXIF tags/EO		Export photo Package
	Update Utility		Sensor Processing		Colorize		Trajectory Report
	Trajectory Processing		Geocoding		Update Utility		Trajectory Plot
	Pilot Log File		Single Cycle Mode				

### Processing

	Strip Align		Ortho Mapping		Agisoft Ortho Mapping		Post Processing
---	-------------	---	---------------	---	-----------------------	---	-----------------







### Feature Edit

	Manual Flight Lines		Select/Edit Lasso		Delete Features
	Select/Edit Feature		Undo		Redo
	Select/Edit Polygon		Save Edits		Discard Edits


### Archive

	Archive Manager
---	-----------------

### Utilities

	Survey Nail Manager		LiDAR Calibration		Camera Calibration		Live Stream
	DJI PPK Utility		540 Data Copy				

### Job

	Job Manager
---	-------------




## DJI tab








## Import

	Cycle Import
---	--------------










## Cycle Processing

	DJI Cloud Processing		Auto Create Flight Lines		Photo Processing
---	----------------------	---	--------------------------	---	------------------

## Processing

	Post Processing Tool		Ortho Mapping		Agisoft Ortho Mapping		Colorize By Image
	Strip Align						


## Feature Edit

	Manual Flight Lines		Select/Edit Lasso		Delete Features
	Select/Edit Feature		Undo		Redo
	Select/Edit Polygon		Save Edits		Discard Edits


## Utilities

	DJI PPK Utility
---	-----------------

## Job

	Job Manager
---	-------------


## Images

	Image Explorer
---	----------------










## TVGO tab







## Import

	Cycle Import
---	--------------



## Feature Edit

	Manual Flight Lines		Select/Edit Lasso		Delete Features
	Select/Edit Feature		Undo		Redo
	Select/Edit Polygon		Save Feature Edits		Discard Feature Edits


## Processing

	Sensor Processing		SLAM Processing		Post Processing		Modeling
---	-------------------	---	-----------------	---	-----------------	---	----------



## Manual Registration

	LAS to LAS		LAS to Control
---	------------	---	----------------

## Auto Registration

	LAS to LAS
---	------------



## Images

	Immersive View		Image Explorer
---	----------------	---	----------------







## Wingtra/Other tab

	Cycle Import		Add Photo Layer		Auto Create Flight Lines		Post Processing		Strip Align		Ortho Mapping		Agisoft Ortho Mapping		Colorize By Image		Job Manager		Manual Flight Lines		Select/Edit Features		Undo		Save Edits		Discard Edits		Image Explorer
	Import		Import		Processing		Processing		Processing		Processing		Processing		Processing		Job		Feature Edit		Feature Edit		Feature Edit		Feature Edit		Feature Edit		Images


## Import

	Cycle Import		Add Photo Layer
---	--------------	---	-----------------










## Processing

	Auto Create Flight Lines		Strip Align		Agisoft Ortho Mapping
	Post Processing		Ortho Mapping		Colorize by Image

## Job

	Job Manager
---	-------------

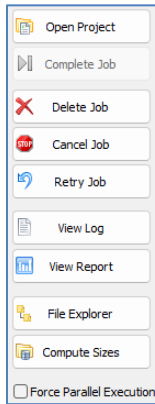
## Feature Edit

	Manual Flight Lines		Select/Edit Lasso		Delete Features
	Select/Edit Feature		Undo		Redo
	Select/Edit Polygon		Save Feature Edits		Discard Feature Edits

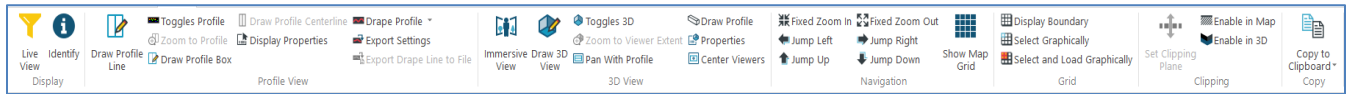
## Images

	Image Explorer
---	----------------



## Job Manager



## Map tab











## Display

	Live View
	Identify








## Profile View

	Draw Profile Line		Draw Profile Box		Drape Profile		Export Drape Line to File
	Toggle Profile		Draw Profile Centerline		Drape by Source Points		
	Zoom to Profile		Display properties		Export Settings		

## 3D View

	Draw 3D Window		Zoom to Viewer Extent		Draw profile		Center Viewers
	Toggles 3D		Pan with Profile		Properties		Immersive Window




## Navigation

	Fixed Zoom In		Jump Up		Jump Right		Show Map Grid
	Jump Left		Fixed Zoom Out		Jump Down		

## Grid

	Display Boundary		Select Graphically		Select and Load Graphically
---	------------------	---	--------------------	---	-----------------------------



## Clipping

	Set Clipping Plane		Enable in Profile		Enable in 3D
---	--------------------	---	-------------------	---	--------------



## Copy to Clipboard

	Map View		Profile View		3D View
---	----------	---	--------------	---	---------

## Control Points tab

Project	Sensor	Map	Control Points	Point Tasks	QA/QC	Classification	Feature Edit	Cloud	Support
			Control Points: <input type="text" value="None"/>		Active LAS Layer: <input type="text" value="Triana_LAS_C230914_155305_12"/>				View Reports: <input type="text"/>
Import	Accuracy Star Utility		Elevation Field: <input type="text"/>		Drive Mode: <input type="text"/>				
			Accuracy Analysis			Accuracy Estimation   Apply Correction		Navigation	

## Control

	Import		Accuracy Star Utility
---	--------	---	-----------------------

## Accuracy Analysis

Control Points:	Control Points Selection	Active LAS Layer:	Active LAS Layer		Accuracy Estimation
Elevation Field:	Elevation Field	Drive Mode:	Drive Mode		Apply Correction





## Navigation

	First		Last		Previous		Next
--	-------	--	------	--	----------	--	------



## Results

View Reports:	View Reports
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## Tools tab

Project	Sensor	Map	Control Points	Tools	Point Tasks	QA/QC	Classification	Feature Edit	Cloud	Support
										
LAS to LAS	LAS to Control	LAS to LAS	Colorize By Image							
Manual Registration			Auto Registration			General				


## Manual Registration

	LAS to LAS		LAS to Control
---	------------	---	----------------

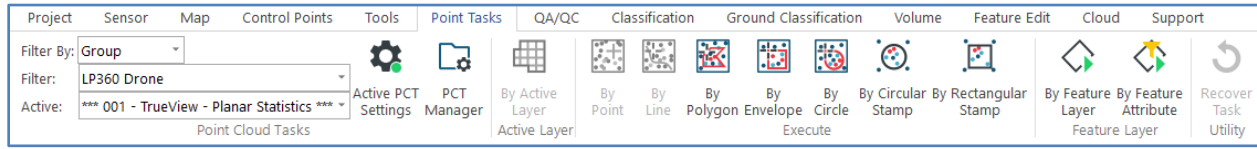
## Auto Registration

	LAS to LAS
---	------------

## General

	Colorize By Image
---	-------------------

## Point Tasks tab



## Point Cloud Tasks

Filter By:	None/Type/Group	Active:	Active Point Cloud Task (PCT) ***denotes favorites		Active PCT Settings		PCT Manager
Filter:	Types or Groups						

## Active Layer

	By Active LAS Layer
--	---------------------

## Execute

	By Point		By Polygon		By Circle		By Rectangular Stamp
	By Line		By Envelope		By Circular Stamp		

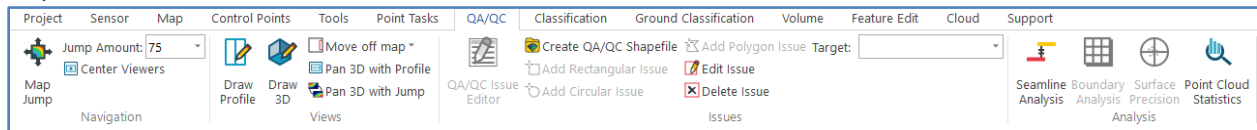
## Feature Layer

	By Feature Layer		By Feature Attribute
--	------------------	--	----------------------

## Utility

	Recover Task
--	--------------

## QA/QC tab



## Navigation

	Map Jump	Jump Amount:	Jump Amount		Center Viewers
--	----------	--------------	-------------	--	----------------

## Views

	Draw Profile		Move off map		Auto pans the map when the profile approaches the edge		Pan 3D with Jump
	Draw 3D		Position in center of map		Pan 3D with Profile		

## Issues














	QA/QC Issue Editor		Add Rectangular Issue		Add Polygon Issue		Delete Issue
--	--------------------	--	-----------------------	--	-------------------	--	--------------

	Create QA/QC Shapefile		Add Circular Issue		Edit Issue	Target:	Target
---	------------------------	---	--------------------	---	------------	---------	--------


## Analysis

	Seamline Analysis		Boundary Analysis		Surface Precision		Point Cloud Statistics
---	-------------------	---	-------------------	---	-------------------	---	------------------------











## Classification tab

Project	Sensor	Map	Control Points	Point Tasks	QA/QC	<b>Classification</b>	Feature Edit	Cloud	Support
Source:	All Points (System)			 Small Rectangle  Medium Rectangle  Large Rectangle	 Small Circle  Medium Circle  Large Circle	 Undo Classification  Redo Classification  Classify Non-Visible Points	 Outliers  Tree Segmentation Auto Classifiers (EXP)		
Destination:	2 Ground		Filters						
	Set Flags		Tools						



## Filters

Source:	Source	Destination:	Destination		Set Flags
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



## Tools

	Classify within Polygon		Large Rectangle		Large Circle		Classify Non-Visible Points
	Small Rectangle		Small Circle		Undo Classification		
	Medium Rectangle		Medium Circle		Redo Classification		


## Auto Classifiers

	Outliers		Tree Segmentation
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## Ground Classification tab

Project	Sensor	Map	Control Points	Tools	Point Tasks	QA/QC	Classification	<b>Ground Classification</b>	Feature Edit	Cloud	Support
											
AI Ground Classification	Cleanup	Reset Classes	Commit Edits	Generate Products	Export LandXML TIN						



## Automated

	AI Ground Classification
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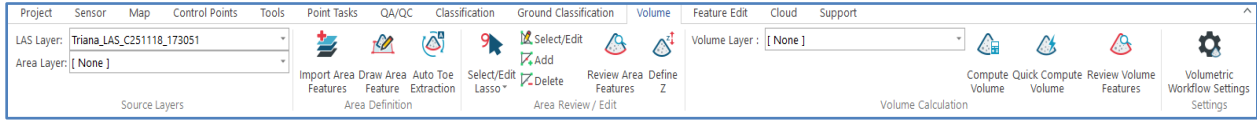
## Cleanup Tools

	Cleanup		Reset Classes		Commit Edits
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## Products

	Generate Products		Export LandXML TIN
---	-------------------	---	--------------------




## Volume tab





## Source Layers

LAS Layer:	Active LAS Layer	Area Layer:	Active Area Layer
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## Area Definition

	Import Area		Draw Area		Auto Toe Extraction
---	-------------	---	-----------	---	---------------------


## Area Review / Edit

	Select/Edit Features		Select/Edit Lasso		Add Vertex		Review Areas
	Select/Edit Polygon		Select/Edit Vertices		Delete Vertex		Define Z

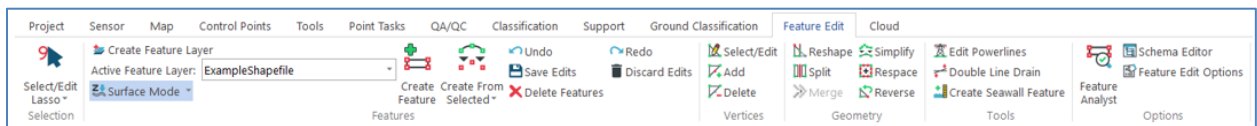
## Volume Calculation

Volumes Layer:	Active Volumes Layer		Compute Volumes		Quick Compute Volume		Review Volumes
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## Settings

	Volumetric Workflow Settings
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## Feature Edit tab

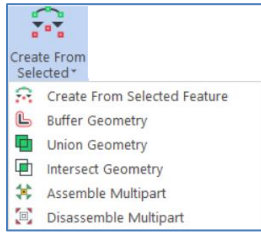








## Selection

	Select/Edit Features		Select/Edit Polygon		Select/Edit Lasso
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## Features

	Create Feature Layer		Enable Auto-Z Constant Mode		Undo		Redo
Active Feature Layer:	Active Feature Layer		Create Feature		Save Edits		Discard Edits
	Enable Auto-Z Surface Mode		Create Feature from Selected		Delete Features		



	Create from Selected Feature		Buffer Geometry		Union Geometry		Intersect Geometry
	Assemble Multipart		Disassemble Geometry				




### Vertices

	Select/Edit		Add		Delete
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### Geometry

	Reshape		Split		Merge		Simplify
	Respace		Reverse				

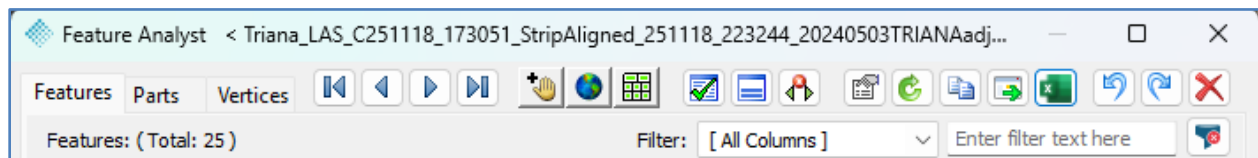
### Tools





















	Edit Powerlines		Double Line Drain		Create Seawall Feature
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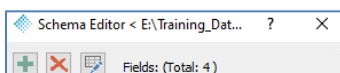
### Options

	Feature Analyst		Schema Editor		Feature Edit Options
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### Feature Analyst Dialog








	View Feature, Parts, or Vertices		Window Centering		Show/Hide Descriptive Headings		Export Feature Analyst Results to CSV File
	Select/Move to 'First' item in list		Window Fitting		Show Feature Analyst Options Dialog		Undo/Redo Most Recent Undone Edit
	Select/Move to 'Previous' item in list		Image Explorer Toggle		Refresh		Delete Selected Items
	Select/Move to 'Next' item in list		Analyze all Features		Copy all rows in list to clipboard		Filter by text in Field
	Select/Move to 'Last' item in list		Enable/Disable Automatic Analyze of Features		Export Feature Analyst Results to Shapefiles		Clear filter text/columns








	Add a New Field		Remove a Field		Modify Field Properties
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### Cloud tab

Project	Sensor	Map	Control Points	Point Tasks	QA/QC	Classification	Feature Edit	Cloud	Support
									
Folders		Power	Upload	Download	Add Cloud				
Search to Cloud		Search to Cloud	from Cloud	Layer					
Data Management									


### Data Management

	Folders		Power Search		Upload to Cloud		Add Cloud Layer
	Download from Cloud						


### Support tab

	License Manager		Check for Updates		Help		Upload To Support		Download from Support		Knowledge Base		User Community		About		Request a Feature		Portal
License		Updates				Help		Help		Base		Community			Contact		Contact		



### License

	License Manager
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### Help

	Check for Updates		Upload to Support		Knowledge Base		About
	Help		Download from Support		User Community		

### Contact

	Request a Feature		Portal
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