CALRoads View™

Traffic Air Dispersion Models – CALINE4, CAL3QHC, CAL3QHCR

Release Notes

Version 6.5



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CALRoads View[™] Version 6.5

Release Notes

October 5, 2016

New Features

Торіс	Feature De	scriptior	ı								
Tier II Approach	Import / Export ETS Patterns Data from Excel										
	CALRoads View now features the ability to import from and export to Excel spreadsheet the Emissions, Traffic, and Signalization (ETS) Patterns Data called when using the Tier II approach.										
	The Pattern all 24 hours Excel templa the ETS grid	without ite, are a for easy	scro Iso d refer	lling. ispla rence	Para yed ur	mete	ers k	eywor	ds, p	oresent ach colu	in the
	1 New 🗙 🗈 💼	Pattern ID:	PT_1		Description:	Pattern 1					
	Available Patterns:	Week Day: M		s						Background Cone	centration
	····◆ Link_1 ····◆ Link_2 ····◆ Link_3	Link ID: Description:	Link_2			М	ain St.NB Qu		rpe: (Queue Link	Active
		Ending Signal Cycle Hour Length [s] (CAVG)	Average Red Time Length [s] (RAVG)	Clearance Lost Time [s] (YFAC)	Approach Traffic Volume [vph] (VPHL)	Idle Emission Factor [g/v-hr] (EFLQ)	Saturation Flow rate [v/hr/lane] (SFR)	Signal Type (ST)		Arrival Type (AT)	^
		1 90 2 90 3 90	40 40	3 3 3	300 270 225	735 735 735	1600 1600	Pretimed (1) Pretimed (1) Pretimed (1)	Average Average	e Progressing (3) e Progressing (3) e Progressing (3)	
		4 90 5 90 6 90	40	3	239 450 1349	735 735 735	1600	Pretimed (1) Pretimed (1) Pretimed (1)	Average	Progressing (3) Progressing (3) Progressing (3)	
		7 90 8 90		3 3	1650 1574	735 735	1600 1600	Pretimed (1) Pretimed (1)	Average	e Progressing (3) e Progressing (3)	
		▶ 9 90 10 90 11 90	40	3	1349 1275 1125	735 735 735	1600	Pretimed (1) Pretimed (1) Pretimed (1)	Average	e Progressing (3) e Progressing (3) e Progressing (3)	
		11 90 12 90 13 90	40 40 40	3	1125	735	1600	Pretimed (1) Pretimed (1) Pretimed (1)	Average	Progressing (3) Progressing (3) Progressing (3)	
		14 90 15 90		3 3	1349 1500	735 735	1600 1600	Pretimed (1) Pretimed (1)	Average	e Progressing (3) e Progressing (3)	
		16 90 17 90	40	3	1650 1574	735	1600	Pretimed (1) Pretimed (1)	Average	Progressing (3) Progressing (3)	
		18 90 19 90 20 90	40 40 40	3	1500 1200 900	735 735 735	1600	Pretimed (1) Pretimed (1) Pretimed (1)	Average	e Progressing (3) e Progressing (3) e Progressing (3)	
		21 90 22 90	40	3	825 750	735 735	1600 1600	Pretimed (1) Pretimed (1)	Average Average	e Progressing (3) e Progressing (3)	
		23 90 24 90	40 40	3	674 450	735 735		Pretimed (1) Pretimed (1)		Progressing (3) Progressing (3)	
					★ (《	<	2 9	> > 1	B		
	Help									Cancel	ОК



Торіс	Feature Description								
Tier II Approach	Import / Export ETS Patterns Data from Excel - Cont.Users will find a template spreadsheet in the program's Templates sub-folder (C:\Lakes\CALRoads View\Templates)								
	Bit Parameter Type Units Description 0 Link Type Cheatter - Files Flow of Queue Link - 0 Hour Integer - Files Flow of Queue Link - - 0 Hour Integer - Files Flow of Queue Link - - 0 VPHL Real webclochour Trafic volume for free fow links and approach trafic volume for gueue links - - 0 EFL Real gramwebelch-hour Link Type - - 10 EFL Real gramwebelch-mout Link Type - - 11 EFL Real gramwebelch-mout Link Type - - 12 FFL Real seconds Clearance loat time (ortin struct more traffic loage the due to not used by motion) -								
Tier II Approach	Import / Export Background Concentration Data from Excel CALRoads View now features the ability to import from and export to Excel spreadsheet Background Concentrations. The Background Concentration option is only available for the Tier II approach. The Background Concentrations windows was expanded in order to display all 24 hours without scrolling.								
	Available Patterns: PT_1 M T W T F S S PT_2 Pattern 1 PT_3 Ending Background ^ Value: 492 4 494 5 498 6 499 10 500 7 497 8 498 9 499 10 500 11 501 12 502 13 503 14 504 15 506 16 508 19 509 20 5.10 21 5.11 22 5.12 23 5.13 24 5.14 Value: Apply Hep Ques								



Торіс	Feature Description
Tile Maps	New Map Server – Lakes Satellite CALRoads View now provides a new tile map server featuring aerial photography from satellite. This new Lakes Satellite map server has more spatial coverage and higher resolution than the MapQuest Satellite and MapQuest Aerial options that were previously available in CALRoads View (see Fixed Issues). Select Import Tile Maps menu option to access this new option.
	<pre>import ile dags import il</pre>



Торіс	Feature Description	
Tile Maps	New Map Server – Lakes Satellite Below you will see a comparison of new higher resolution Lakes Satellin	the previous satellite map and the
	Previous maps on those few areas with coverage at maximum resolution.	Maximum resolution of new map system is 4 times higher.
	Note: Due to the high acquisition a satellite maps, Lakes Satellite Tile users with a current paid ma maintenance has expired, or you are please contact our sales departmupgrade your license.	Maps service is only available to intenance agreement. If your enot eligible for this map service,
Tile Maps	Open Street Map Optimization	
	The Open Street Map tile maps se faster downloads. This option is o maintenance.	



Торіс	Feature Description
Met Options	Revised Layout of CAL3QHCR Met Options Window
	The CAL3QHCR Met Options window has been reconfigured to more clearly display file parameters and required user inputs.
	Options X Model: CALINE4 CAL3QHC CAL3QHCR MET OPTIONS
	Job Options Met Options Meteorological Data File for CAL3QHCR
	Start Date: 86 01 01 01 End Date: 90 12 31 24 WebMet Met Data File: Met'tutorial.met Image: Compare the second sec
	Year: 1989 V (CAL3QHCR Only Allows 1 Single Year per Run)
	Specify a Date Range • Yes • No Image: Start Date Image: Jan
	Tip The met data are read by the model using the fixed format (please check the Help file for the right format). The CAL3QHCR model is capable of being run for any given day, consecutive days, or season of a year. The Start Date and End Date should be for the same year.
	Help <u>Next S</u> <u>Cancel</u> <u>O</u> K
Graphical Options	Save Graphical Options to a Layout The Graphical Options window now contains Import Layout and Export Layout buttons. The following Graphical Options will be saved to the layout.
	Contours: Levels, Smoothing, Labeling, and Color Ramp
	Posting
	Graphical Options X Contour Level Options X Contours Shade Style: Transparent X Labeling X X Color Ramp X X Posting X X Wind Arrow X X Ruler Options X X Labelis X X



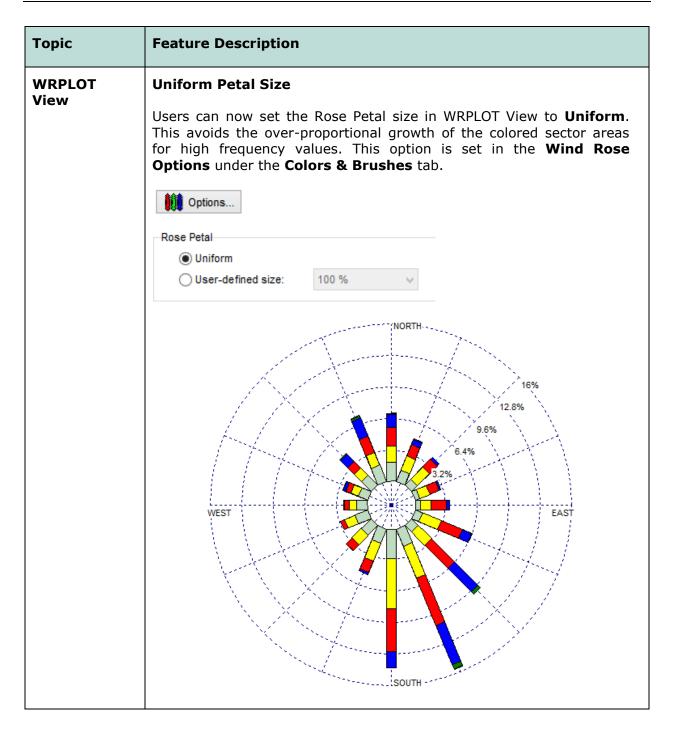
Торіс	Feature Description	
Base Maps	Quality Selector for Printing and Exporting Tile Ma Users can now select the quality level for imported T are included in Print displays. Higher quality levels re- downloading and processing time.	ïle Maps which
	This feature is available in the File Preferences World Map Settings.	Settings
	World Map Options	
	Quality in Print & 3D View: Ultra v (affects downloading/processing time) Low Medium High Very High Ultra	
	Print To PDF File	– 🗆 X
	Tite	User Defined Scale
	EXAMPLE - TWO WAY INTERSECTION	1:67,938 V
		Apply
	Preview	Orientation Portrait Landscape Comments Project / Plot No.
	Link 7 Rep 1 Grid 1 Help Preferences PDF Setup	Imagin: 100 [%] Print Close



Торіс	Feature Description
Overlays	Hide All/Show All Layers Buttons in Overlays Tab
	Two new buttons are now available under the Overlay tab allowing for easy manipulation of the visibility status of layers:
	1. Hide All Layers
	2. Show All Layers
	CALRoads View 6.5.0 - [C:\Lakes\CALF File Model Edit View Import Expo New Open Print Run
	Model: CALINE4 CAL3QHC CAL3QI
	Input Overlays Labels



Торіс	Feature Description
Met View	New Time Series Graph Display
	A new Graph option is available for all variables of a meteorological data file opened with the Met View utility. Enabling the check box for variables under the Table tab will create a time series line graph in the Graph tab. The graph can be customized and exported to Bitmap or PNG image. Access to these new options are shown images below:
	Job Options Met Options Output Options Meteorological Data File for CAL3QHCR
	Start Date: 86 01 01 01 End Date: 90 12 31 24 WebMet Met Data File: Mettutorial.met Image: Start Date: Image: Start Da
	Year: 1986 (CAL3UHCR Only Allows 1 Single Year per Run) Grid
	Met View [Pre-Processed ISC Met Data File] — X File Header Data
	Filter Year: All Year: All Day: All Show All Table Graph
	Year Month Day Hour Direction Speed [deg] [m/s] Ambient Temperature [K] Stability Rural Urban [K] Height [m] Height [m]
	Min. 1986 Jan 1 1.0000 0.0000 247.6 1 0.0 0.0 Max. 1990 Dec 31 24 360.0000 18.0054 309.3 7 5432.0 5432.0 Graph Image: Complex Structure Image: Complex Structure
	2 1986 Jan 1 2 308.0000 1.5433 265.9 4 270.4 270.4 3 1986 Jan ₩ Met View [Pre-Processed ISC Met Data File] - - ×
	4 1986 Jan 5 1986 Jan 5 1986 Jan Surface Station ID: 24157 Mixing Height Station ID: 24157 B6 Mixing Height Data Year: 86
	Year: 1996 V Month: January V Day: All V Show All C Table Graph
	Help
LARES E-mai	Environmental Software 9 of 12 il: support@webLakes.com www.webLakes.com





Торіс	Feature Description									
Printouts	Maximum Value Decimal Places The maximum value field, shown in the Printout, is now controlled by									
	the "No. Decimal Places Color Ramp settings. T still displayed in the Cor	he full maxir	num value to 5 d							
	Contours 8.220	9.000	9.560	ppm						
	COMMENTS: MODEL: CAL3Q	HCR CO	COMPANY NAME:							
	MAX: 9.56	UNITS: ppm	MODELER:							
	LINKS: 9	RECEPTORS: 8								
	SCALE:	1:14,081	DATE: 9/29/2016	PROJECT / PLOT NO.:						
	CALRoads View - Lakes Environmental Software		: C:\Lakes\CA	Roads View\Examples\CAL3QHCR\Example4.clv						

Fixed Issues

Торіс	Issue Description
Contours	CALINE4 Contour Display with Large Background Concentrations Fixed an issue where contours could not be displayed if the background concentration was greater than or equal to 100 ppm (CO, NO2, Inert Gas) or 100 ug/m ³ (Particulates). Projects that encountered this problem previously will need to be re-run in order for contours to appear.
Tile Maps	MapQuest Servers Removed On July 11, 2016, MapQuest announced they were discontinuing access to their map servers. This policy change means that the MapQuest Streets, MapQuest Satellite, and MapQuest Aerial tile maps are no longer available for display in our software and they have been removed from the list.



	Issu	Issue Description										
Import	Impo	Importing Links from Excel										
		mpor	-				•	readshee the des			-	
Export	Expo	Exporting Colored Contour Lines to Google Earth										
		incor						contour evels wh				
Export	Expo	ort Fa	ilure	for S	pecifi	c Link	IDs					
Met View	value forma	e, wer at ass	e imp ignme	roperl	y expo such v	orted t values.	o Exc	where # el forma has beer	t due t	to Excel		
	(Job/ four o	Met colum imple	Met	Option ders v	ns N	1et Da	ta Fil	eorologica e View e correc	File -	- Grid),	, the fi	rst
	Table	Graph										
	Table	Graph			F							^
	Table	Year	Month	Day	Hour	Wind Direction [deg]	Wind Speed [m/s]	Ambient Temperature [K]	Stability Category	Rural Mixing Height [m]	Urban Mixing Height [m]	^
	Table		Month Jan	Day	Hour	Direction	Speed	Temperature		Mixing	Mixing	^
		Year		-	1	Direction [deg]	Speed [m/s] 1.0000 1.0000	Temperature [K] 285.5 285.5		Mixing Height [m] 1000.0	Mixing Height (m)	
	Min.	Year 1999 1999	Jan	1	1	Direction [deg] 10.0000 360.0000	Speed [m/s] 1.0000 1.0000	Temperature [K] 285.5 285.5 V	Category 4 4	Mixing Height [m] 1000.0 1000.0	Mixing Height [m] 1000.0 1000.0	^
	Min. Max. Graph 1	Year 1999 1999 1999	Jan Jan Jan	1 2 1	1 24	Direction [deg] 10.0000 360.0000 180.0000	Speed [m/s] 1.0000 1.0000 1.0000	Temperature [K] 285.5 285.5 285.5 285.5	Category 4 4	Mixing Height [m] 1000.0 1000.0 1000.0	Mixing Height [m] 1000.0 1000.0 1000.0	
	Min. Max. Graph	Year 1999 1999	Jan Jan	1	1 24	Direction [deg] 10.0000 360.0000	Speed [m/s] 1.0000 1.0000	Temperature [K] 285.5 285.5 V	Category 4 4	Mixing Height [m] 1000.0 1000.0 1000.0 1000.0	Mixing Height [m] 1000.0 1000.0	
	Min. Max. Graph 1 2	Year 1999 1999 1999 1999	Jan Jan Jan Jan	1 2 1 1	1 24 1 2	Direction [deg] 10.0000 360.0000 180.0000 190.0000	Speed [m/s] 1.0000 1.0000 1.0000 1.0000	Temperature [K] 285.5 285.5 IV 285.5 285.5 285.5	Category 4 4 4 4 4 4	Mixing Height [m] 1000.0 1000.0 1000.0 1000.0 1000.0	Mixing Height [m] 1000.0 1000.0 1000.0 1000.0	^
	Min. Max. Graph 1 2 3	Year 1999 1999 1999 1999 1999	Jan Jan Jan Jan Jan	1 2 1 1 1	1 24 1 2 3	Direction [deg] 10.0000 360.0000 180.0000 190.0000 200.0000	Speed [m/s] 1.0000 1.0000 1.0000 1.0000 1.0000	Temperature [K] 285.5 285.5 285.5 285.5 285.5 285.5	Category 4 4 4 4 4 4 4	Mixing Height [m] 1000.0 1000.0 1000.0 1000.0 1000.0 1000.0	Mixing Height [m] 1000.0 1000.0 1000.0 1000.0 1000.0	*

