

On the edge

LATEST NEWS

**HORSHAM RURAL CITY
COUNCIL COMES
ONBOARD**

**WHITSUNDAY REGIONAL
COUNCIL COMES
ONBOARD**

**BEGA ISN'T ALL CHEESE &
BISCUITS**

**THE ERA OF BIG DATA—
ANALYTICS IS HERE**

**WE ARE LOOKING FOR
NEW STAFF**

**SIGNUM PRO
AVAILABLE NOW!**

**REFLECT LINK TO
GOOGLE EARTH!**

It's Christmas!

Hard to believe but Christmas is just around the corner. Looking back I can see this year has contained a number of challenges for all of us. We have made some significant enhancements to the Reflect software and have managed to embed the Recover software as the leading disaster management system. NSW amalgamations are settling down and we have done our best to try and accommodate the new structures and personnel.

Queensland continues to dominate the growth states when it comes to implementing the Reflect software. With the Whitsundays Regional Council being the most recent council to come on board. It's a tough job but somebody has head up there for implementation and training.



Check out the article on linking Reflect with Google Earth. It's a great article and applies not just to Google Earth but your own internal GIS. It's possible in a few easy steps to create a real-time link to a specific filtered set of data to external mapping systems.

We would also like to take this opportunity to thank all of those out there who have contributed to the ongoing improvement processes of our software. We have always looked upon the software, training and ongoing support that we provide as a 'cooperative'. We are all in this together. This approach seems to be working and has helped reap benefits for all of us involved. Remember, if you need anything do not hesitate to give us a call.

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- from the team @ asset edge.

Bega Valley Shire Council



Bega Valley recently underwent a bit of an internal restructure, resulting in a fresh look at their use of the Reflect software. This has given Jason

Herrernan an opportunity to introduce some newer technology and improved methodologies and procedures. Bega have been long term users of the windows version of Reflect and have now adopted the android version. Nineteen team members were trained on the new Samsung Galaxy Tab S2's (definitely our suggested hardware platform). There was a great deal of enthusiasm shared by all with the introduction of these devices.



Victorian News

The growth of the Reflect software through Victoria continues at a slow, organic rate. We still have considerable work to do in both Queensland and Tasmania before we can truly concentrate activities in the garden state. However, there are a number of councils currently evaluating the software with Horsham Rural City Council the most recent to take up not just Reflect, but Nemus & Signum also.



Horsham have jumped in with both feet, seeing the advantages of adopting a number of software packages from Asset Edge. Rob Moir (Operations Manager) is keen to improve scheduling and communications

and Reflect fits the bill perfectly. Training starts next week with implementation starting with roads to be followed up later with other asset classes.



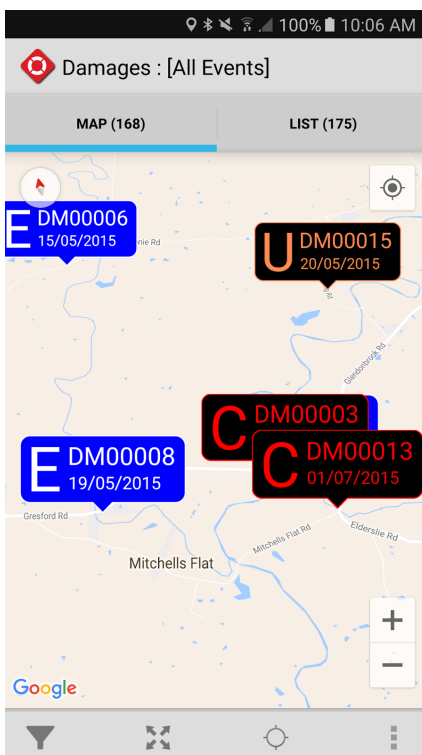
Anne Hassel out at Loddon continues to drive Reflect in more productive and efficient ways. Loddon are using the Reflect System to manage Local Roads, Regional Roads & State Roads. This includes an automated notification system that emails VicRoads personnel when specific Defects are identified. Continued reduction of these sorts of mundane time consuming tasks saves time, effort & money.

For more information on how you can get more out of the Reflect System in similar ways simply call us on 1300 219 552.



They breed 'em big in the garden state

Recover Update — New Symbols



Coming soon to Recover are improvements to the map symbols for Damages. The new symbols are larger, more colourful and easier to read. They also more accurately show exactly where the damage is located on the map with the bottom of the speech "bubble" pointing to the damage's exact location.

With the improvements to the map symbol, we are also able to display additional information, such as the Date Raised, or the number of restoration works completed for the Damage (this will be shown in the Restoration Works screen, which is also coming soon to Recover).

These improvements will also be added to Reflect in a version in the near future. Stay tuned!

Adrian Wheat
Lead Android Developer
Asset Edge

WANTED — Solutions Consultant

Software Solutions Consultant RMCC and Reflect based at Newcastle, NSW

Start Date Feb-Mar 2017



Asset Edge is Australia's leading provider of mobile software solutions to State and Local Government. We are seeking a suitable applicant to join the team in our Heatherbrae Office to support clients of our Reflect, Vigil and Recover applications.

Required Skills Excellent communicator, deliver projects for councils and authorities on time, training of groups and enjoys working in a flexible and rewarding environment.

Desirable Experience Maintenance Management Software, Asset Management, GIS , RMCC knowledge, Data analysis and reporting, 5 years minimum Highway Maintenance or Local Government technical experience.

Base Salary \$75,000 - \$100,000 + *private car use + super* with additional performance bonus paid after 12 months service.

How to enquire or apply:

Call Brett Ennever on 0427 050 105

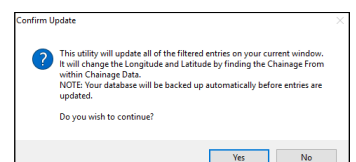
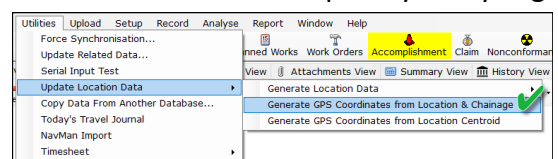


Reflect Tip - Generating GPS Coords from Location & Chainage

This tip is for intermediate / advanced users of Reflect with Administrator Access. It is extremely important to understand the process so you do not mess up the information in the database. This utility is used to generate a Latitude and Longitude for those points without a GPS position. It relies on Chainage Points in the database and references this table using the Chainage From and Location value input in the office. The advantages of having all records mapped is obvious - as we are more frequently analysing information in map view.

Steps:

1. **Create a new Filter to find points without Lat/Long** (*this can be used in Defects, Planned Works or Accomplishment*)
2. **Select from the Utilities menu**
 - Update Location Data -> Generate GPS Coordinates from Location and Chainage
 - Press **Yes** to proceed
3. **Check the Results** - you should have no points left in your filter result. If you do, it probably means that there is a missing Chainage From or Location value in the record.



Remember this is an advanced feature and please understand the process before you proceed. Asset Edge support can assist you with the process if required. Please call 1300 219 552

Weather Worries—How to RECOVER

Recent wet weather across Australia has seen major flooding, with some areas suffering repeated flooding and storm events. May to September 2016 was recorded as Australia's wettest period on record (source BOM). Although many regions have gained water storage benefits for their communities for the summer, the severe wet weather has caused costly damages to much of our road network, community facilities, homes and businesses. Funding for damages and having available manpower are the key components to restoring essential damaged assets.

With preparations for the fire and cyclone seasons of summer underway – many councils and agencies will undoubtedly encounter stretched resources and finances over the next several months.

FACTS & FIGURES:

From July 2011 to 10 November 2016:

NDRRA DECLARED EVENTS					
	New South Wales	Queensland	Victoria	Tasmania	TOTAL YR
2011-2012	8	9	9	0	26
2012-2013	29	6	10	0	45
2013-2014	19	9	6	3	37
2014-2015	12	9	9	0	30
2015-2016	9	10	10	2	31
2016-2017 (@ 10/11/2016)	2	2	3	1	8
TOTAL	79	45	47	6	177
FIRE TYPE EVENTS	45	5	12	4	66
RAIN/STORM TYPE	34	40	35	2	111

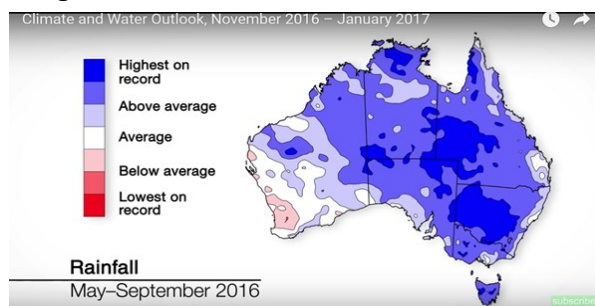
Based on the data sourced from our State Emergency related websites - and averages: 2016/2017 financial year has **approximately 25 more NDRRA events** yet to be declared across the eastern states....lets hope not!

WHAT'S AHEAD?

With water catchment areas and rivers at capacity and soil moisture levels at extreme levels summer storms and tropical cyclones will only add to the devastation.

The Bureau of Meteorology are predicting a 67% chance of more Tropical Cyclones this summer.

Australia is usually threatened by around 11 Tropical Cyclones per season, with 4 crossing the coast.



Natural Disaster Damages—NDRRA Claims

HOW ASSET EDGE CAN HELP YOU RECOVER!

Natural disasters such as floods, fires, storms and cyclones devastate regions of Australia regularly. **RECOVER** Natural Disaster Management Software is FREE to all Councils.



Upon signing our RECOVER Maintenance Agreement—Asset Edge will create council's RECOVER database using location and GIS information provided by your council. Your council will be ready to collect data for any damages relating to a natural disaster!

So what's free? There are no annual device charges, support charges or licence fees - IT'S ALL FREE!

What's the catch? Should your council area be Declared for NDRRA, a fee of \$5000 (ex gst) is payable to Asset Edge should you use RECOVER to collect event damages and to submit your claim.

Why RECOVER? Why not. It's FREE to setup with no annual charges. Your location information is pre-installed ready to use. GPS location information is recorded against the record and also embedded into any photos taken. Filtering of data and customised reporting functionality. All data and images are held on the one database and not numerous council network files. All new version upgrades to WEB and Android platforms are FREE. Latest version includes the new Restoration Module. All relevant State Authority Claim Forms such as **Form306 (NSW)** and **Form4 (QLD)** are built within RECOVER (web platform) eliminating the need for numerous spreadsheets, making the claim process an absolute ease. Photos may be downloaded and provided to State Authorities if requested.

AND....RECOVER can be installed on any Android device!

Over 50 councils across NSW,QLD and VIC have already signed up to use RECOVER.

CALL ASSET EDGE SUPPORT on 1300 219 552 for more information on RECOVER or visit our website www.assetedge.com.au



**New Addition to RECOVER
DAMAGE RESTORATION
MODULE**

Flood, Storm and Bushfire Damage Restoration Proposal									
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Recover — New Report Wizard

The Report Wizard within the Recover Software has been upgraded to include much of the functionality found within the Reflect software. This includes:

- Custom report field sequence
- Set grouping, totals and/or suppress detail lines
- Option to include Related Data
- Option to make available to everyone (“Global” checkbox)
- Output exactly the same as Window’s output (e.g. cell value formatting)

To utilise click on the ‘Reports’ menu and select ‘Create Custom Report’. Drag and drop items from ‘Available Fields’ section across to the ‘Report Fields’ section. To reorder fields simply drag and drop items inside the ‘Report Fields’.

User Defined Report

Report Name
Some Random Events

☐ Suppress Detail
☐ Include Related Data
☐ Global

Report Fields

Event Number
☐ Group ☐ Total

Event Name
☐ Group ☐ Total

Event Date
☐ Group ☐ Total

Available Fields

Contact Officer
Contact Officer Signature
Contact Officer Signature Date
Contract Terms
Cost
CreatedBy
CreatedOn
Estimated Restoration Cost
Event Description
Event End Date
Event Start Date
Event Type
ID
Latitude
Local Industry Participation
Locked
Longitude

Remove All Add All

Save Close

(continued over page)

Recover — New Report Wizard (cont.)

After clicking Save, the report name will now appear on the list of reports.



Please select from the following options

Create Custom Report

Upload Report Template

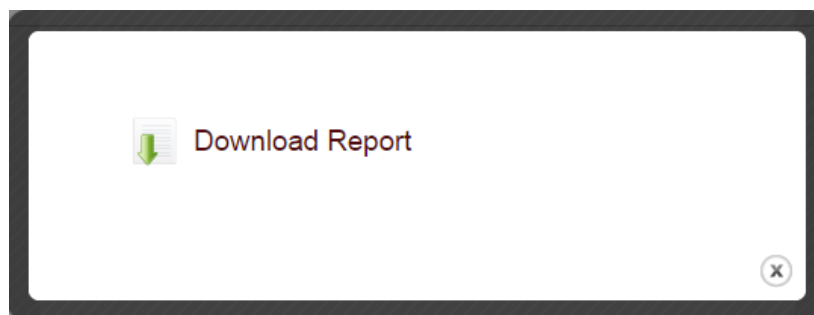
Recover_NDRRA_QLD_FORM6

Some Random Events



Click on the name of the report to generate it, then after a few seconds this message (below) will appear. Click the 'Download Report' to retrieve the report.



Signum—Your Complete Temporary Sign Management Solution

New and more powerful Signum provides the following benefits:

- Strong legal defence
- Collect all information in seconds on your smartphone
- Paperless system that logs GPS Location, images and date/time
- Efficient deployment and collection of all types of temporary signs
- Easily locate signs on the road network using council's Signum website
- Public Webpage to view Traffic Events and Road Closures
- User definable field attributes for your council
- Google address mapping tools
- Road Chainage display and auto—record



A Signum licence will cost \$2,500 (excl GST) per annum for your council and includes the use of unlimited number of devices in the field or office for recording signs. Then simply access to your council's secure Signum webpage where information on the signs can be viewed, analysed and reported.

Call the Support Desk on 1300 219 552 for more information.

Showing Planned Works in real time with Google Earth

Publishing KML with Photos in Reflect Web

- To publish KML with photos, login to Reflect Web at <http://reflect.assetedge.com.au>
- Go to OTHER -> PUBLISH KML
- Click the Add button or Edit an existing Published KML entry

Kml Settings

Table Name

Defects

Criteria List

(Note: exclude WHERE or AND; exclude criteria for SiteName; enclose all fields with square brackets, e.g., [FieldName])

[Defect Type]='B1' - GuardrailPoorCond

[Latitude]<>0

[Longitude]<>0

☒ Show Images

KML URL:







http://api.assetedge.com.au/Kml2?
p=MWU2YzY2NTYtYmJlE3NS00ZWQyLWl3NTItNjg5YzA0NTJmMzQw&id=NTEwZGFkMjktZWNmNC00ODkyLW
lwMjYlZWY5YzRkZjgzMTg2

Save

Test

Cancel

- Choose the Table Name and enter the Criteria in the Criteria List
- Click the Show Images as shown in image above
- Click Test to validate and click Save to Save the entry
- After saving Click Copy URL under the KML URL text box to copy the URL

PUBLISHED KML LIST VIEW			
Showing 1-3 of 3			
Table Name	Criteria	KmlUrl	Show Images
Defects	[Defect Type]='B1 - GuardrailPoorCond' [Latitude]<0 [Longitude]<0	http://api.assetedge.com.au/Kml?2 p=WWU2yZu2NTYtMjE3NS00ZWQyLWlWizNtItNg5YzAONTJmMzQw&id=NTEwZGFiMjktZWNmNc00ODkyLWlWmYtZWY5YzRkZjgzMTg2	Yes  
		Copy URL	
Accomplishment	[Accomplishment Number] LIKE '%0001%'	http://api.assetedge.com.au/Kml?7 p=WWU2yZu2NTYtMjE3NS00ZWQyLWlWizNtItNg5YzAONTJmMzQw&id=NzQzZGFIMjUtODAyYy00ZDI5LWlWYjQlZWtM3MGRkZjM5MjQy	No  
		Copy URL	
Incidents	[Latitude]<0 [Longitude]<0	http://api.assetedge.com.au/Kml?7 p=WWU2yZu2NTYtMjE3NS00ZWQyLWlWizNtItNg5YzAONTJmMzQw&id=ZDU5YjhZDQnDIINS00MWRhTikZDMmMjNiODgxMDIjY2Vm	No  
		Copy URL	

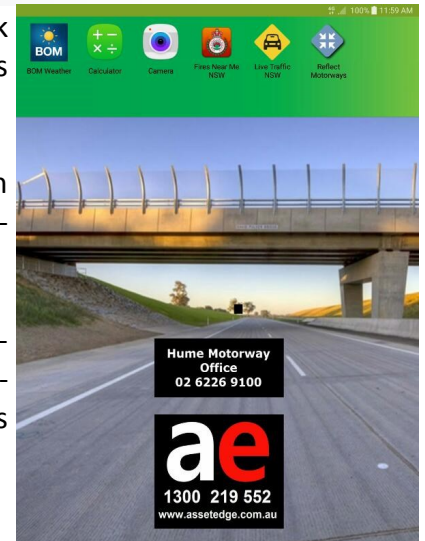
- Use the copied URL into your GIS system to download or link to the published KML
- You can also use this to upload to **Google Earth** (Add->Network Link)
- You can click on the image to show a larger scale gallery of all images

Remote Connect & Control Your Android Devices

Asset Edge has been using a 3rd party software named SureMDM/Surelock for the Hume Motorway Pilot as a way of locking down Android devices and deploying approved updates/applications.

This software would be useful for organisations worried about security on their devices and preventing the user from installing applications not approved for use by the council/organisation.

In addition to locking down applications and functionality the software allows an administrator to remotely log into a device (similar to TeamViewer) and take control of the device to help resolve any support issues. It is also possible to locate one or many devices via their GPS.



For more information see <https://www.42gears.com/products/surelock/>

The screenshot displays the Asset Edge SureMDM/Surelock web interface. The top navigation bar includes links for Home, Dashboard, Inbox, Jobs, Reports, EMM, and App Store. The main dashboard features a table of managed devices with columns for Device, Status, Battery, Last Connected, Signal, SureLock Version, Knox Status, and Data Usage. Below the table is a map of Australia showing the locations of the managed devices. On the right side, there is a detailed view of a specific device, including its name, operating system, agent version, last device time, security policy, location tracking, telecom management, and network information.

Device	Status	Battery	Last Connected	Signal	SureLock Version	Knox Status	Data Usage
rm0026	Online	100%	5 Dec 2016 11:53:37 AM	22	6.30	Yes	45,814 MB
rm0091	Online	100%	5 Dec 2016 11:49:40 AM	16	6.30	Yes	37,102 MB
rm0222	Online	63%	5 Dec 2016 11:49:09 AM	3	6.30	Yes	150,366 MB
rm0203	Online	100%	5 Dec 2016 11:49:00 AM	3	6.30	Yes	100,606 MB
rm0199	Online	100%	5 Dec 2016 11:48:35 AM	3	6.30	Yes	68,721 MB
rm0089	Online	100%	5 Dec 2016 11:47:29 AM	9	6.30	Yes	70,598 MB
rm0111	Online	21%	5 Dec 2016 11:41:44 AM	34	6.30	Yes	69,222 MB
rm0207	Online	100%	5 Dec 2016 11:33:38 AM	16	6.30	Yes	45,413 MB
rm0211	Online	100%	5 Dec 2016 11:32:15 AM	9	6.30	Yes	83,272 MB
rm0203	Offline	85%	5 Dec 2016 10:50:57 AM	28	6.30	Yes	34,531 MB
rm0007	Offline	94%	5 Dec 2016 9:18:31 AM	34	6.30	Yes	43,475 MB
rm0008	Offline	62%	5 Dec 2016 8:57:12 AM	22	6.30	Yes	1,611 MB
rm0114	Offline	7%	5 Dec 2016 6:30:34 AM	16	6.30	Yes	100,150 MB
rm0117	Offline	95%	5 Dec 2016 6:26:43 AM	16	6.30	Yes	16,343 MB
rm0112	Offline	97%	2 Dec 2016 3:26:03 PM	34	6.30	Yes	4,496 MB
rm0116	Offline	92%	2 Dec 2016 1:59:54 PM	16	6.30	Yes	1,627 MB
rm0113	Offline	22%	2 Dec 2016 1:48:05 PM	0	6.30	Yes	10,803 MB
rm0204	Offline	8%	2 Dec 2016 6:50:17 AM	3	6.30	Yes	1,084 MB
rm0003	Offline	1%	1 Dec 2016 6:52:16 AM	19	6.30	Yes	505,176 MB

Device Info

- Device Model: SM-T715Y
- Operating System: MARSHMALLOW [Android]
- Device Name: rtm006
- Agent Version: 8.59
- Last Device Time: 5 Dec 2016 11:49:31 AM
- Notes: Add notes here
- Security Policy: Not Applied
- Location Tracking: ON [Every 5 ...]
- Telecom Management: ON
- Android For Work: Not Enrolled

Network

- MAC Address: 34:14:5F:FF:6D:19
- IP Address: 1.129.97.16
- Local IP Address: 10.175.93.250
- Connection: Secured
- Wi-Fi Signal: 0%
- Mobile Signal: 16%

Annual User Group Conference — AUGC 2017

We have started planning the Annual User Group Conference for 2017 already. It is always a jam packed couple of days and we try to ensure you get as much out of it as possible. Next years format will be the same as this year; a full day, dinner, then a half day.

Tentative dates thus far are tabled below—keep them free for the conference—we would love to see you there and we are sure we can make it worth your while.

Location	Day 1	Day 2
Townsville, QLD	Full Day- Thu 27/4	Half Day - Fri 28/4
Maroochydore, QLD	Full Day - Tue 2/5	Half Day - Wed 3/5
Emerald, QLD	Full Day - Thu 4/5	Half Day - Fri 5/5
Wagga, NSW	Full Day - Tue 9/5	Half Day - Wed 10/5
Dubbo, NSW	Full Day - Thu 11/5	Half Day - Fri 12/5
Bendigo, VIC	Full Day - Tue 16/5	Half Day - Wed 17/5
Coffs Harbour, NSW	Full Day - Tue 23/5	Half Day - Wed 24/5

RMCC Training



Councils are able to request specific training at any time. If your council requires Inspector/Crew or supervisor training and has sufficient numbers we can hold a specific session at your council.

Alternatively, if we can get the numbers, we are looking at holding some regional sessions throughout February/ March.

The training will be broken into Inspector/Crew training covering the use of the Windows and Android versions of the Reflect System and adhering specifically to the specifications recording requirements.

A second stream of training is for Supervisor/manager covering an understanding of the requirements for the Inspector/Crew but greater detail on requirements of the specifications, managing the data/database, electronic forms and reporting. For councils sending staff to this stream of training, Asset Edge will also perform an audit of the current data and provide a detailed report outlining any deficiencies to assist council get the database up to par.

Darren Simpson
Solutions Consultant
Asset Edge