

# FLOOD DAMAGE?

## CLAIM IN HALF THE TIME

using GPS enabled cameras & mapping processes.

### The Shepherd Services **Complete Flood Claim Solution**

#### 1. Embedded Flood Damage Details into Picture and export to any Mapping and Microsoft application for processing

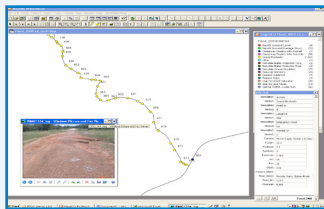


In addition to storing GPS data into the image, the 700SE provides a user defined data dictionary for tagging the flood damage details of activity, width, lengths and depths and other data to this image.

Latitude	Longitude	Date Stamp	File Name	Activity	Width m	Length m	Depth m
N21°40'59"	E148°17'30"	8/02/2010	2010-02-08_08-38-33.jpg	Gravel Resheets	5	300	0.1
N21°33'55"	E148°16'29"	16/02/2010	2010-02-16_10-43-32.jpg	Backfill Scoured Culvert	3	50	0.1
N21°04'37"	E148°55'28"	3/03/2010	2010-03-03_09-27-09.jpg	Backfill	4	30	0.3
N21°11'37"	E148°42'50"	4/03/2010	2010-03-04_10-36-47-2.jpg	Gravel Resheets	4	80	0.2
N21°08'23"	E148°33'25"	4/03/2010	2010-03-04_14-20-38.jpg	Causeway Repairs with Concrete	5	10	0.3
N21°05'19"	E148°37'53"	16/03/2010	2010-03-16_13-28-31.jpg	Causeway Repairs with Concrete	7	10	0.2
N20°44'19"	E148°36'18"	22/03/2010	2010-03-22_12-58-16.jpg	Backfill Scoured Drainage Struct	4	10	0.3

The data becomes the attributes in any GIS system and is exportable to Microsoft excel or access for processing of the claims using the GIS link software.

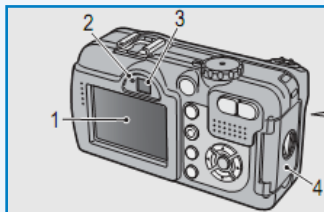
#### 2. Automatic Map Integration – for checking and auditing



Geo-coded images automatically convert into GIS layer files using the GIS link software plug-ins. Hovering over a point displays a thumbnail with the user defined attributes. This now makes it easy to check that all areas have been collected and audited.

#### 3. Simple Use – all level of staff can use this with no problem.

The camera is simple to setup and use by any skill level person. We have successfully used current supervisory staff to complete pickup and therefore saved the need for specialised collection staff.



The collection process.

1. take picture. 2. Select the drop list provided on the camera for data fields of activity, length, width and depth. 3. Go to next site.

Also data is recorded on the image ready for downloading and processing. Asset name and other location information is completed using GIS mapping applications.

#### 4. Claim Process –made simple and easy

Using the standard activities and dimensions collected from the camera and with the exported data in excel or access, develop standard unit rates and apply them to the dimension details to come up with the estimates. The information is then pasted into the standard NDRRA claim templates or if we complete them for you out of our database application.

This solution has been used successfully to complete the Etheridge Shire Council Flood Claim for 2009 and 2010, contact CEO Les Edminstone (07) 40621233 and the Mackay Regional Council flood claim for 2010, contact Bruce Wegner (07) 4961 9444



Ricoh G700SE-W GPS Onboard



The image name is automatically imprinted on the images and is also in the attribute data, so resolving the problem of linking the photo with damage details.

#### NDRRA - PHOTOS and ESTIMATES

Local Government	Etheridge Shire Council
WorkType:	Shire
Disaster Event:	Monsoonal Flooding and Tropical Cyclones Olga and Nellie January-March 2010
Shield	3531
Activity Description:	All-Photo
Road Name	Abrington Downs Road
Road No:	1039
Length:	104
Amount:	\$0
Lat:	143.531
Unit Cost:	1
Long:	-18.2078
Depth m:	0
Chainage:	6.3
City:	
Photo_No:	R0011480_109.jpg
Unit:	
Eng. Bid Adjud:	

Local Government	Etheridge Shire Council
Road Name:	Faringer Station Road
Damage Description:	Formation Damage and/or loss of gravel and pavement
Cause of Damage:	Flood Submergence by weathered flow
Restoration Works:	Unsealed Gravel Roadway
Change Start Date:	11/02/2010
Change End Date:	11/02/2010
Unit Rate Code:	Estimate Formation
Amount:	\$10,000.00
Disaster Event:	Monsoonal Flooding and Tropical Cyclones Olga and Nellie January-March 2010
Category:	Flood Submergence (Damage to the Disaster)

FLOOD DAMAGE CLAIM SYSTEM	
by Shepherd Services	
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Shepherd Services Pty Ltd

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