



The Palawan Oil Palm Geotagged Report 2013

PART II

(Samples of geotagged photos of oil palm locations and impacted areas)

CALG (Coalition against Land Grabbing)
member of

The ICCA
Consortium



GEO-REFERENCED MISSION'S FINDINGS

In a photographic context, *geotagging* is the process of associating photos with specific geographic locations using GPS coordinates. In this report, geotagging is used as a synonym for geocoding. During ALDAW field research, GPS coordinates were obtained through the use of a professional device connected to the camera's hot shoe. Photos were taken during the entire mission's reconnaissance between 2009 and 2012 in the Municipalities of Sofronio Espanola, Quezon, Aborlan and Rizal, Province of Palawan (the Philippines). The geotagged images were loaded into a geo-aware application and displayed on satellite Google map. The actual 'matching' of GPS data to photographs has revealed that, in specific locations, oil palm plantations are expanding at the expenses of primary and secondary forest and are competing with pre-existing cultivations (coconuts, fruit trees, wet-rice, etc). The conversion of productive paddy land and forest into oil palm plantations is particularly evident in the Municipality of Quezon. Oil palm plantations have also expanded in areas used by local IPs for the cultivation of local varieties of upland rice, root crops and fruit trees.

The fencing of large area of oil palm plantations makes it difficult for local communities to reach their upland fields and forest. Geotagged evidences have also revealed the exact location where commonly used NTFPs such as *huri* palms (*Corypa elata*) and bamboos are being destroyed through massive land conversion for oil palm plantations. Geocoded photos, such as those included in this report, also provide indications on the location of rivers and freshwater sources that are being incorporated into oil palm plantations and that are likely to become polluted through the use of pesticides and fertilizers. These freshwater sources provide potable water for local communities and some of them are essential for the maintenance of community-based dams.

Only a limited selection of geotagged photographs taken during the mission has been included in this report mainly to provide visual evidence on the damages caused by oil palm plantations and also on the participatory geographic information systems and technologies used by ALDAW. Individual photos have been inserted in thematic boxes containing basic descriptions and their positions on Google Earth satellite map.

THEMATIC PHOTOS WITH GPS COORDINATES

Evidences of oil palm encroachment on forest



**Massive forest clearing in barangay Tagusao (Municipality of Quezon)
Note road pushing into a forested hill**

Load GPS Data and Photos Edit Photo Data

Pictures	Latitude
ALDAW-3027	+9.122993 N
ALDAW-3029	
ALDAW-3031	Longitude
ALDAW-3032	+117.863304 E
ALDAW-3053	
ALDAW-3055	Altitude
ALDAW-3068	
ALDAW-3072	
ALDAW-3077	City
ALDAW-3079	Quezon
ALDAW-3081	Province/State
ALDAW-3082	Province of Palawan
ALDAW-3086	Country
ALDAW-3088	Philippines
ALDAW-3090	Description
ALDAW-3125	Oil palm in Palawan;
ALDAW-3128	Comments
ALDAW-3134	Large areas of forested land are cleared illegally by the palm oil company in order to plant oil palms.

Remove Picture

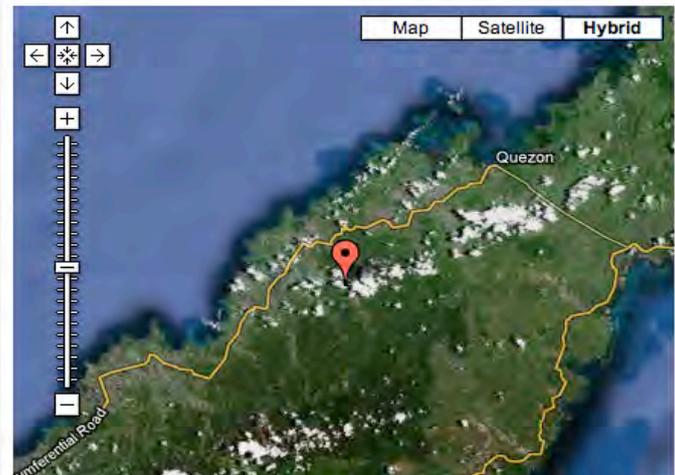
Change file names to:



Full View

ALDAW-3134
Tue 28 Jun 2011 08:18:00

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

- Pictures
- ALDAW-3029
 - ALDAW-3031
 - ALDAW-3032
 - ALDAW-3053
 - ALDAW-3055
 - ALDAW-3068
 - ALDAW-3072
 - ALDAW-3077
 - ALDAW-3079
 - ALDAW-3081
 - ALDAW-3082
 - ALDAW-3086
 - ALDAW-3088
 - ALDAW-3090
 - ALDAW-3125
 - ALDAW-3128
 - ALDAW-3134
 - ALDAW-3137
 - ALDAW-3138
 - ALDAW-3142
 - ALDAW-3143

Latitude
+9.122252 N

Longitude
+117.863739 E

Altitude

City
Quezon

Province/State
Province of Palawan

Country
Philippines

Description
Oil palm in Palawan;

Comments

Despite the moratorium on cutting trees, old trees are felled with no authorization from DENR, so that the area will be converted in oil palms. Note standing forest in the background

Remove Picture

Change file names to:

Change



Full View

ALDAW-3143
Tue 28 Jun 2011 08:23:41

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

- Pictures
- ALDAW-3027
 - ALDAW-3029
 - ALDAW-3031
 - ALDAW-3032
 - ALDAW-3053
 - ALDAW-3055
 - ALDAW-3068
 - ALDAW-3072
 - ALDAW-3077
 - ALDAW-3079
 - ALDAW-3081
 - ALDAW-3082
 - ALDAW-3086
 - ALDAW-3088
 - ALDAW-3090
 - ALDAW-3125
 - ALDAW-3128
 - ALDAW-3134
 - ALDAW-3137

Latitude
+9.123045 N

Longitude
+117.86338 E

Altitude

City
Quezon

Province/State
Province of Palawan

Country
Philippines

Description
Oil palm in Palawan;

Comments

Despite the moratorium on cutting trees, old trees are felled with no authorization from DENR, so that the area will be converted in oil palms. Note felled tree standing on the ground

Remove Picture

Change file names to:

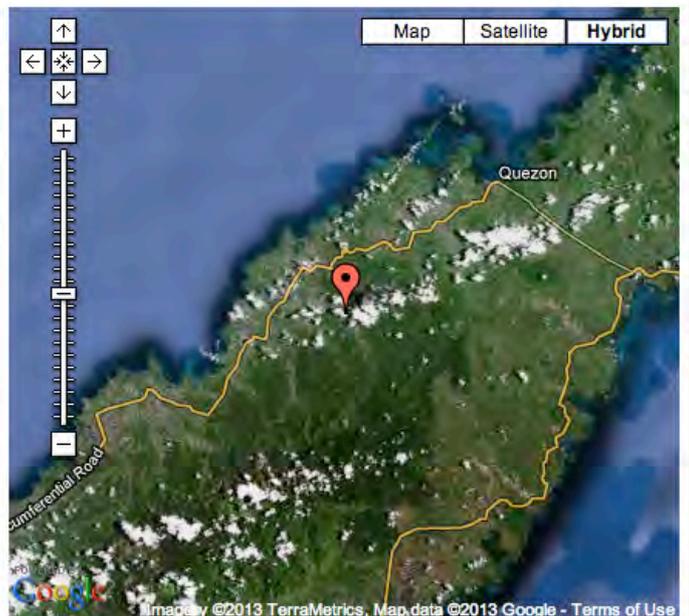
Change



Full View

ALDAW-3137
Tue 28 Jun 2011 08:19:55

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

Pictures	Latitude
ALDAW-3027	+9.122355 N
ALDAW-3029	Longitude
ALDAW-3031	+117.863609 E
ALDAW-3032	Altitude
ALDAW-3053	
ALDAW-3055	City
ALDAW-3068	Quezon
ALDAW-3072	Province/State
ALDAW-3077	Province of Palawan
ALDAW-3079	Country
ALDAW-3081	Philippines
ALDAW-3082	Description
ALDAW-3086	Oil palm in Palawan;
ALDAW-3088	Comments
ALDAW-3090	Despite the moratorium on cutting trees, old trees are felled with no authorization from DENR, so that the area will be converted in oil palms. Note standing forest in the background
ALDAW-3125	
ALDAW-3128	
ALDAW-3134	
ALDAW-3137	
ALDAW-3138	

Remove Picture

Change file names to:

Change



Full View

ALDAW-3138

Tue 28 Jun 2011 08:21:43

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

Pictures	Latitude
IMG_8953	+9.14982219 N
	Longitude
	+117.82957241 E
	Altitude
	16
	City
	Quezon
	Province/State
	Province of Palawan
	Country
	Philippines
	Description
	Comments
	This picture was taken in August 2009, when the forest behind oil palm plantations in Barangay Tagusao was still standing. In July 2011 part of that forest had already been cleared to allow oil palm expansion.

Remove Picture

Change file names to:

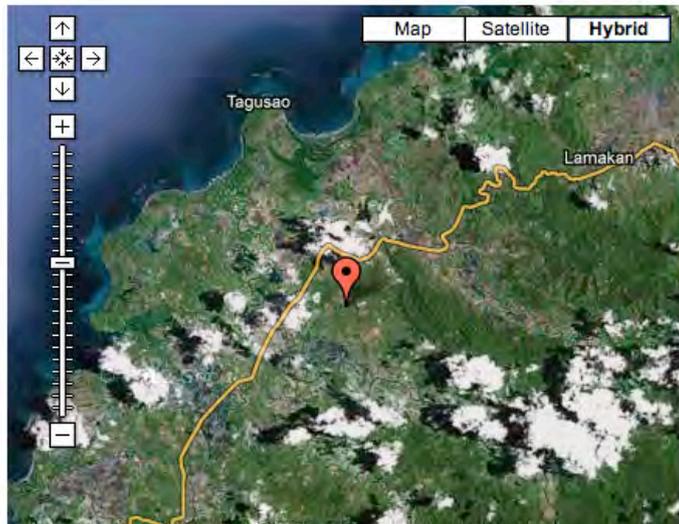


Full View

IMG_8953

Sun 23 Aug 2009 10:01:42

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

- Pictures
- IMG_8953
 - IMG_8959
 - IMG_8968
 - IMG_8965
 - IMG_8972
 - IMG_8980
 - IMG_8987
 - IMG_8990
 - IMG_8994

Latitude
+9.19552862 N

Longitude
+117.9360106 E

Altitude
45

City
Quezon

Province/State
Province of Palawan

Country
Philippines

Description

Comments
Oil palm expansion moving closer and closer to forested areas

Remove Picture

Change file names to:

Change



Full View

IMG_8994
Sun 23 Aug 2009 17:15:04

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

- Pictures
- DSCN4416

Latitude
+8.87289444 N

Longitude
+117.8818755 E

Altitude
46

City
Brooke's Point

Province/State
Province of Palawan

Country
Philippines

Description

Comments
CAVDEAL construction company is also acquiring land to be converted into oil palm plantation, which include Palawan indigenous peoples sacred forest

Remove Picture

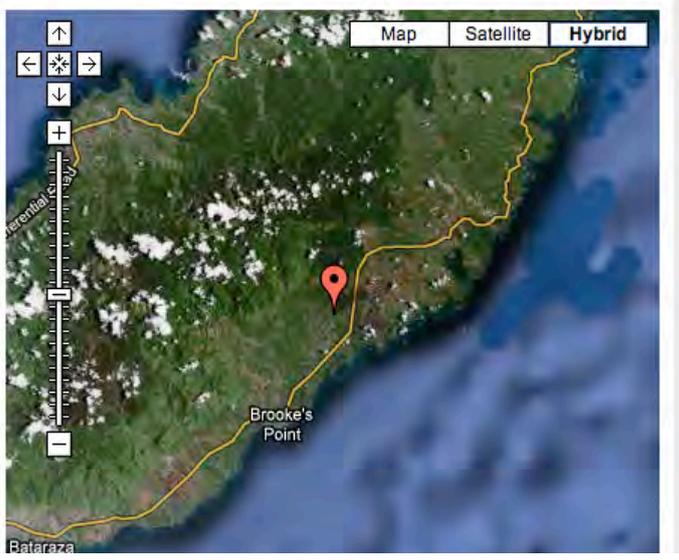
Change file names to:



Full View

DSCN4416
Wed 25 Jul 2012 10:26:34

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

Pictures
DSCN3225

Latitude
+8.88887813 N

Longitude
+117.84322905 E

Altitude
82

City
Brooke's Point

Province/State
Province of Palawan

Country
Philippines

Description

Comments
oil palm plantations taking over forest in Barongbarong interior

Remove Picture

Change file names to:

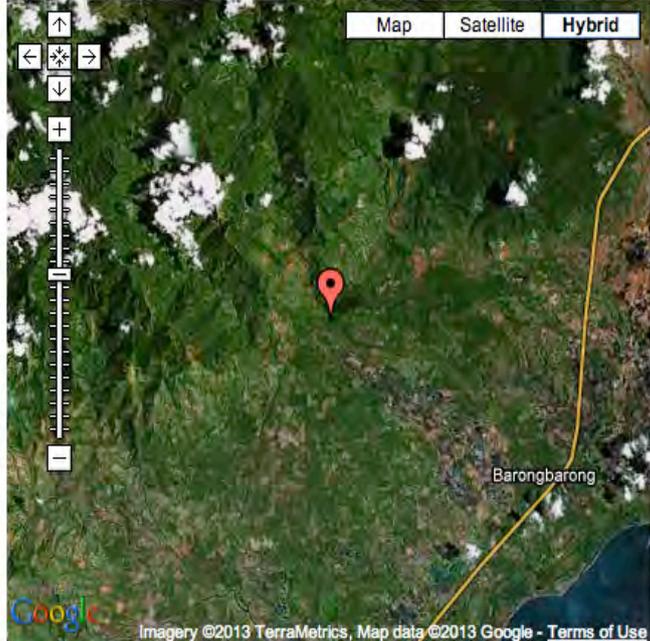
Change

Full View

DSCN3225
Wed 22 Feb 2012 12:17:46

GPS Store Camera Store Prints

Map Satellite Hybrid



Barongbarong

Imagery ©2013 TerraMetrics, Map data ©2013 Google - Terms of Use

Evidences of massive land clearings



Load GPS Data and Photos Edit Photo Data

- Pictures
- IMG_8894
- IMG_8886
- IMG_8875
- IMG_8885
- IMG_8907
- IMG_8879
- IMG_8902
- IMG_8881
- IMG_8876
- IMG_8868
- IMG_8895
- IMG_8877
- IMG_8878
- IMG_8903
- IMG_8888
- IMG_8896
- IMG_8901
- IMG_8889
- IMG_8905
- IMG_8867
- IMG_8880
- IMG_8893

Latitude: +8.99042336 N

Longitude: +118.04118848 E

Altitude: 58

City: Brooke's Point

Province/State: Province of Palawan

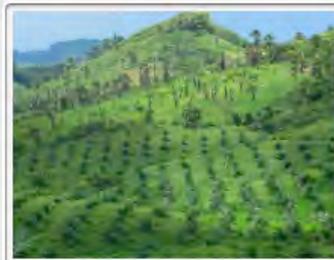
Country: Philippines

Description: massive oil palm expansion

Comments:

Remove Picture

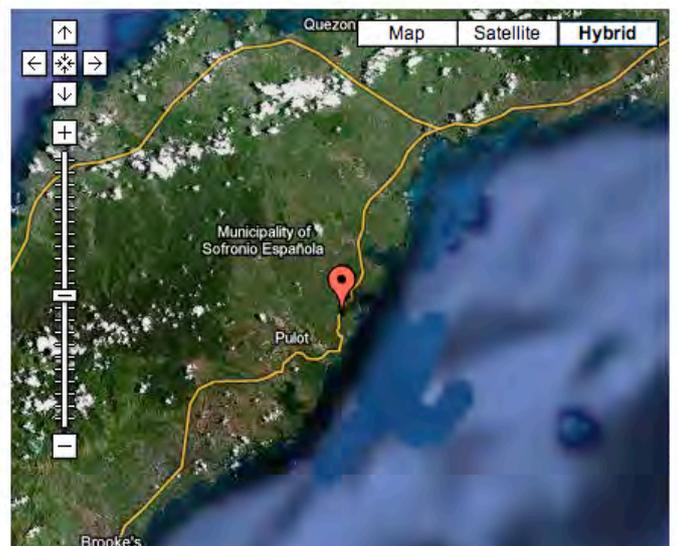
Change file names to:



Full View

IMG_8901
Fri 21 Aug 2009 13:56:41

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

- Pictures
- ALDAW-3027
 - ALDAW-3029
 - ALDAW-3031
 - ALDAW-3032
 - ALDAW-3053
 - ALDAW-3055
 - ALDAW-3068
 - ALDAW-3072
 - ALDAW-3077
 - ALDAW-3079
 - ALDAW-3081
 - ALDAW-3082
 - ALDAW-3086
 - ALDAW-3088
 - ALDAW-3090

Latitude: +8.926084 N

Longitude: +117.970085 E

Altitude: 42

City: Espanola

Province/State: Province of Palawan

Country: Philippines

Description: Oil palm in Palawan; Espanola oil palm plantatio

Comments: Several years already passed since Agumil Philippines Inc. (API) started acquiring large chunks of land to plant oil palms.



Full View

ALDAW-3090

Sun 26 Jun 2011 18:28:54

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

- Pictures
- IMG_9099
 - IMG_9093
 - IMG_9089
 - IMG_9088
 - IMG_9080

Latitude: +8.93025555 N

Longitude: +117.97095328 E

Altitude: 49

City: Brooke's Point

Province/State: Province of Palawan

Country: Philippines

Description:

Comments: Oil palm plantations massive clearing

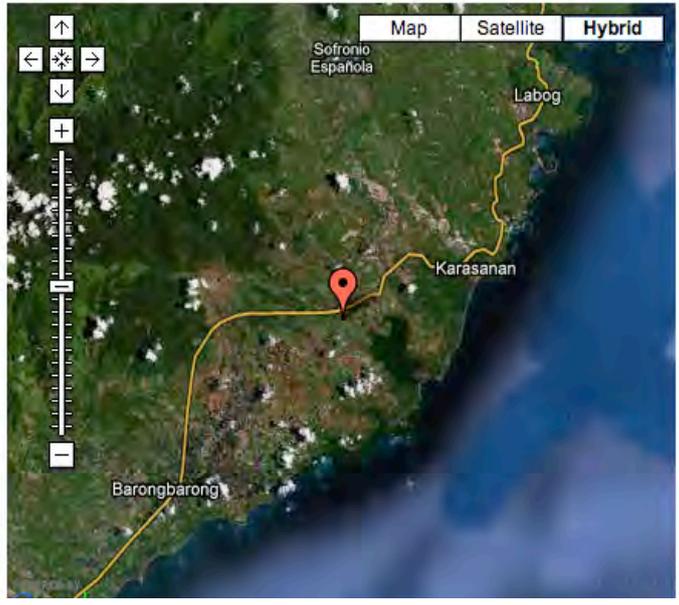


Full View

IMG_9080

Wed 26 Aug 2009 12:50:52

GPS Store Camera Store Prints



Change file names to:

Change

Load GPS Data and Photos Edit Photo Data

Pictures

- ALDAW-3027
- ALDAW-3029
- ALDAW-3031
- ALDAW-3032
- ALDAW-3053
- ALDAW-3055
- ALDAW-3068

Remove Picture

Change file names to:

Change

Latitude: +8.936118 N

Longitude: +117.97654 E

Altitude: 34

City: Espanola

Province/State: Province of Palawan

Country: Philippines

Description: Oil palm in Palawan; Espanola oil palm plantatio

Comments: Agumil Philippines Inc. (API) continues to acquire large chunks of land to plant new oil palm trees.

Full View

ALDAW-3068

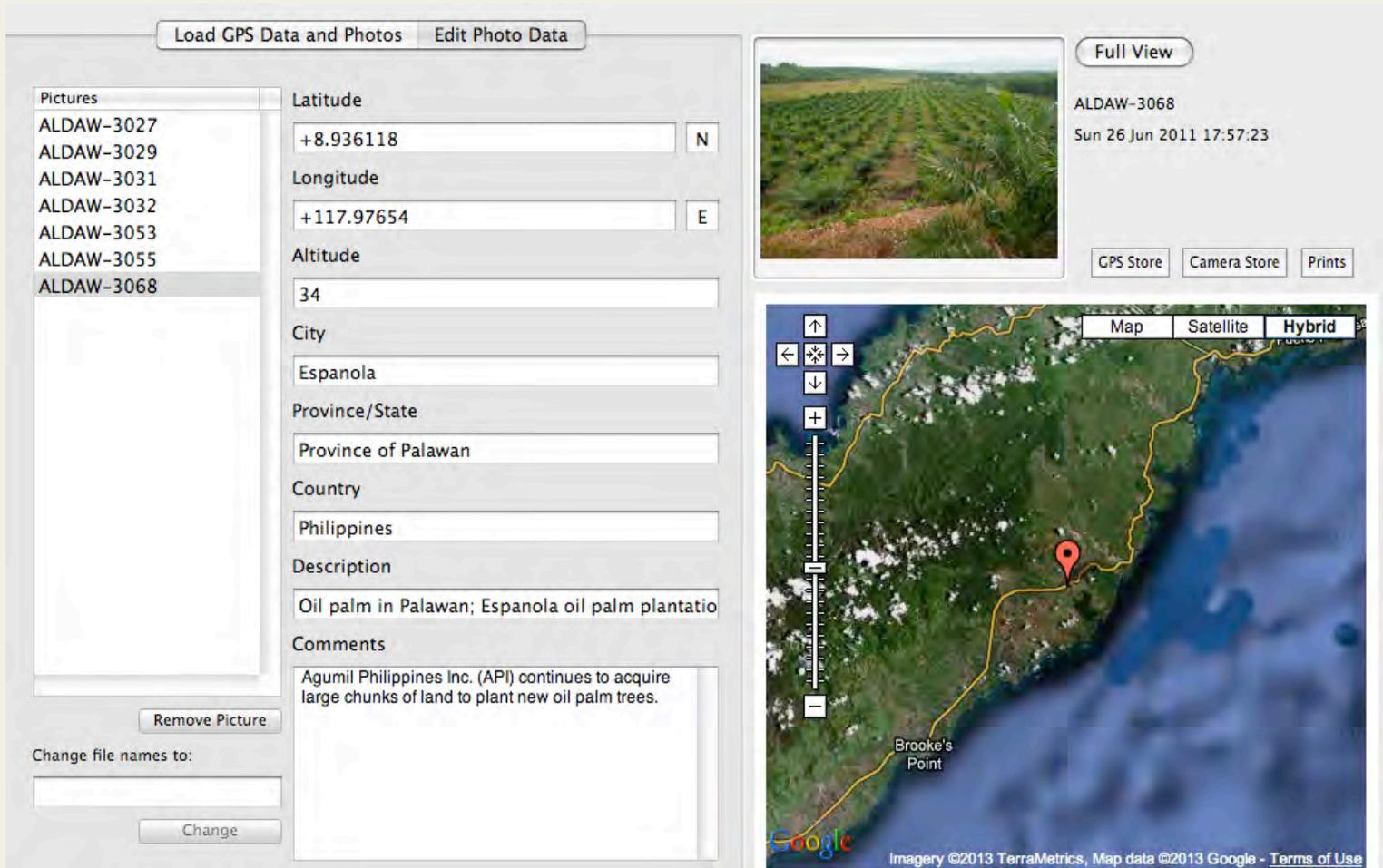
Sun 26 Jun 2011 17:57:23

GPS Store Camera Store Prints

Map Satellite Hybrid

Brooke's Point

Imagery ©2013 TerraMetrics, Map data ©2013 Google - Terms of Use



Evidences of clean freshwater sources being incorporated into oil palm plantations



Load GPS Data and Photos Edit Photo Data

Pictures

- ALDAW-3027
- ALDAW-3029
- ALDAW-3031
- ALDAW-3032
- ALDAW-3053
- ALDAW-3055
- ALDAW-3068
- ALDAW-3072

Remove Picture

Change file names to:

Latitude
+8.933661 N

Longitude
+117.969704 E

Altitude
27

City
Espanola

Province/State
Province of Palawan

Country
Philippines

Description
Oil palm in Palawan; Espanola oil palm plantatio

Comments
Agumil Philippines Inc. (API) continues to acquire large chunks of land to plant new oil palm trees. Included into the plantations' area are fresh water sources providing potable water to local communities.

Full View

ALDAW-3072
Sun 26 Jun 2011 18:03:52

GPS Store Camera Store Prints

Map Satellite Hybrid

PhotoGPSEditor - IMG_9084 - Wed 26 Aug 2009 12:52:40

ata and Photos Edit Photo Data

Latitude
+8.92380517 N

Longitude
+117.96940467 E

Altitude
34

City
Brooke's Point

Province/State
Province of Palawan

Country
Philippines

Description

Comments
Small water sources will be increasingly affected by chemicals used in oil palm plantations

Full View

IMG_9084
Wed 26 Aug 2009 12:52:40

GPS Store Camera Store Prints

Map Satellite Hybrid

Evidences of oil palm encroachment on agricultural land



Load GPS Data and Photos Edit Photo Data

Pictures

IMG_8953
 IMG_8990
 IMG_8959
 IMG_8972
 IMG_8968
 IMG_8980
 IMG_8987
 IMG_8882
 IMG_8882
 IMG_8882

Latitude

+9.02984529 N

Longitude

+118.04407995 E

Altitude

37

City

Municipality of Espanola

Province/State

Province of Palawan

Country

Philippines

Description

Oil Palm Expansion on Agricultural Land

Comments

A Palawan from Punang, showing oil palm encroachment on his farming land

Remove Picture

Change file names to:

Change



Full View

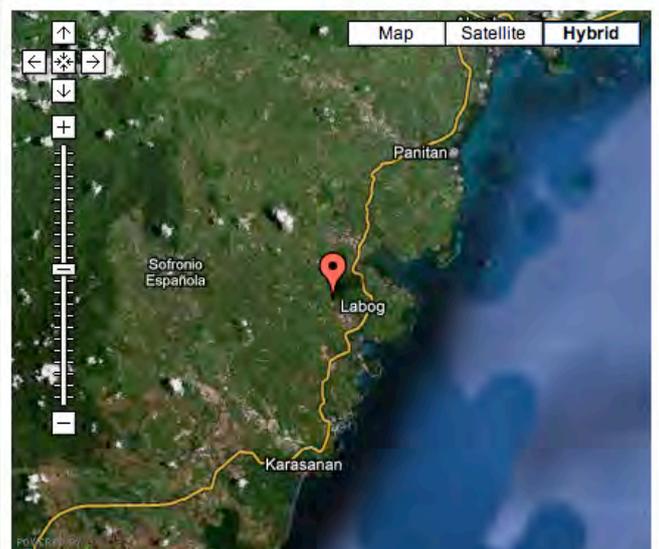
IMG_8882

Fri 21 Aug 2009 11:50:10

GPS Store

Camera Store

Prints



Load GPS Data and Photos Edit Photo Data

Pictures

IMG_9099
 IMG_9093
 IMG_9089
 IMG_9088
 IMG_9080
 IMG_9077

Latitude

+8.93320072 N

Longitude

+117.96970992 E

Altitude

25

City

Brooke's Point

Province/State

Province of Palawan

Country

Philippines

Description

Comments

Oil palm expansion near Karasanan. Note coconut plantations in the background.

Remove Picture

Change file names to:

Change



Full View

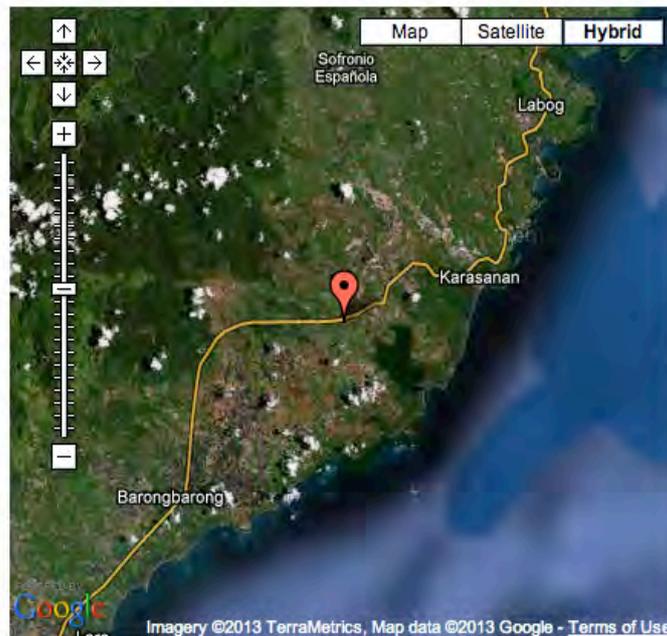
IMG_9077

Wed 26 Aug 2009 12:49:45

GPS Store

Camera Store

Prints



Load GPS Data and Photos Edit Photo Data

Pictures

IMG_9099
 IMG_9093
 IMG_9089

Latitude

+8.92046324 N

Longitude

+117.96866505 E

Altitude

15

City

Brooke's Point

Province/State

Province of Palawan

Country

Philippines

Description

encroachment on cultivated land

Comments

Palm oil plantations encroaching on cultivated land. See mango trees and coconuts in the background

Remove Picture

Change file names to:



Full View

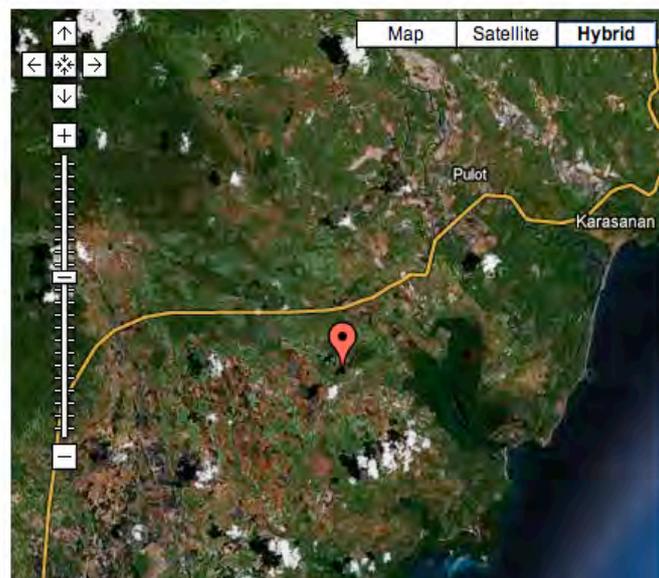
IMG_9089

Wed 26 Aug 2009 12:54:11

GPS Store

Camera Store

Prints



Load GPS Data and Photos Edit Photo Data

- Pictures
- DSCN4441
- DSCN4429

Latitude
+8.89352824 N

Longitude
+117.86978835 E

Altitude
117

City
Brooke's Point

Province/State
Province of Palawan

Country
Philippines

Description

Comments
Old coconut groves sustaining local self-sufficiency are being destroyed by Cavdeal to give space to oil palm plantations

Remove Picture

Change file names to:

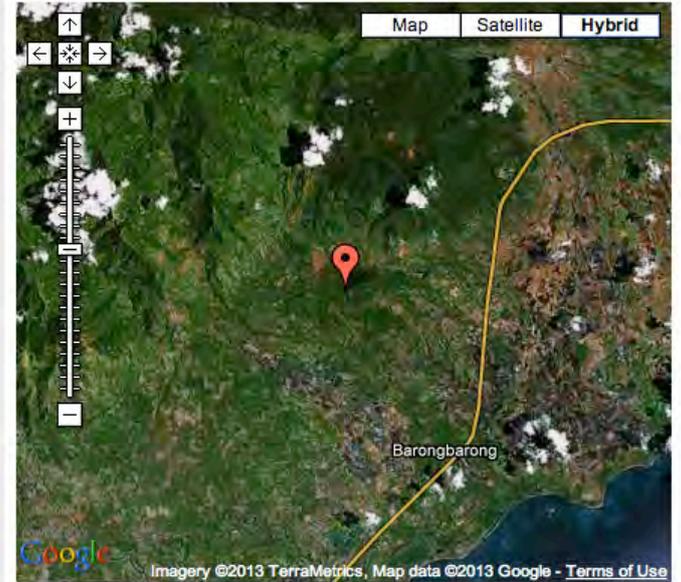
Change



Full View

DSCN4429
Wed 25 Jul 2012 11:31:15

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

- Pictures
- DSCN4441

Latitude
+8.89432445 N

Longitude
+117.87009771 E

Altitude
110

City
Brooke's Point

Province/State
Province of Palawan

Country
Philippines

Description

Comments
Clear evidence of old coconut plantations being destroyed to pave the way for oil palms

Remove Picture

Change file names to:

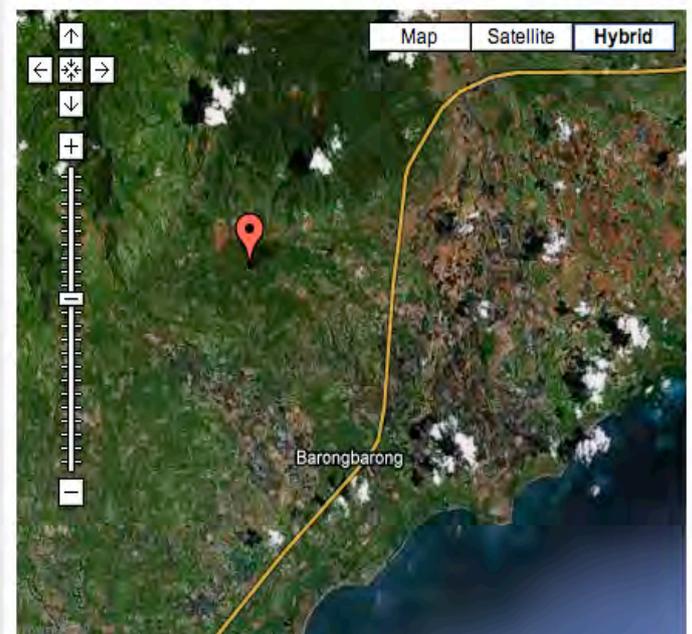
Change



Full View

DSCN4441
Wed 25 Jul 2012 11:35:12

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

Pictures

- IMG_8947
- IMG_8996
- IMG_8950
- IMG_8933
- IMG_8970
- IMG_8966
- IMG_8920
- IMG_8932
- IMG_9012
- IMG_9024
- IMG_8951
- IMG_8957
- IMG_8989
- IMG_8916
- IMG_8941
- IMG_9025
- IMG_8911
- IMG_8997
- IMG_8999
- IMG_8928

Remove Picture

Change file names to:

Change

Latitude: +9.13280746 N

Longitude: +117.84339105 E

Altitude: 15

City: Quezon

Province/State: Province of Palawan

Country: Philippines

Description: Oil Palm Development

Comments: Evidence of oil palm plantations competing with rice cultivation in Quezon Municipality



Full View

IMG_8966

Sun 23 Aug 2009 11:56:34

GPS Store Camera Store Prints



Load GPS Data and Photos Edit Photo Data

Pictures

- IMG_8953
- IMG_8959
- IMG_8968
- IMG_8965
- IMG_8972

Remove Picture

Change file names to:

Change

Latitude: +9.1800111 N

Longitude: +117.88538998 E

Altitude: 34

City: Quezon

Province/State: Province of Palawan

Country: Philippines

Description:

Comments: Areas targeted by Agumil oil palm plantation also include productive paddy land, as it is showed in the picture on the right corner

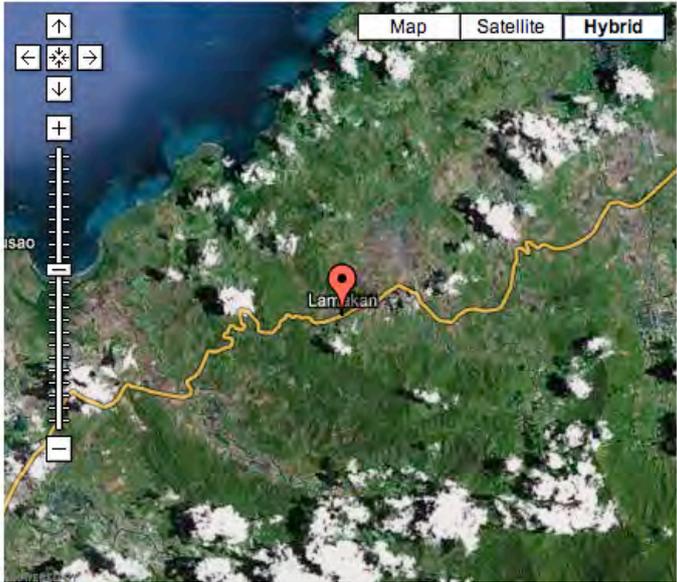


Full View

IMG_8972

Sun 23 Aug 2009 16:57:57

GPS Store Camera Store Prints



Load GPS Data and Photos
Edit Photo Data

Pictures

- IMG_8881
- IMG_8876
- IMG_8868
- IMG_8895
- IMG_8877
- IMG_8878
- IMG_8903
- IMG_8888
- IMG_8896
- IMG_8901
- IMG_8889
- IMG_8905
- IMG_8867
- IMG_8880
- IMG_8893
- IMG_8904
- IMG_8900
- IMG_8899
- IMG_8873
- IMG_8887
- IMG_8891

Remove Picture

Change file names to:

Change

Latitude
+9.02899181 N

Longitude
+118.0441603 E

Altitude
17

City
Brooke's Point

Province/State
Province of Palawan

Country
Philippines

Description
oil palm expansion

Comments
Notice Buri (*Corypha elata*) palms in the background. This endemic species is being threatened due to the expansion of oil palm plantations.

Full View

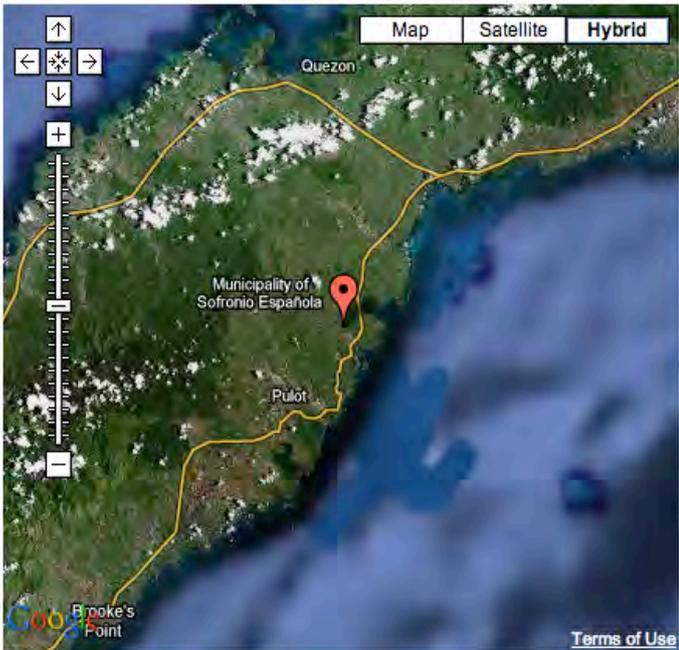


IMG_8891
Fri 21 Aug 2009 11:55:40

GPS Store Camera Store Prints

↑
← →
↓
+
0
-

Map Satellite Hybrid



Terms of Use

Evidences of oil palm plantations limiting freedom of movement



Load GPS Data and Photos Edit Photo Data

Pictures

- DSCN5029
- DSCN5021
- DSCN4323

Latitude

+8.88928457 N

Longitude

+117.84343631 E

Altitude

191

City

Brooke's Point

Province/State

Province of Palawan

Country

Philippines

Description

no trespassing (interior of Barongbarong)

Comments

Oil companies have fenced large tracks of land and this makes impossible for local indigenous communities to reach their upland forest areas

Remove Picture

Change file names to:

Change

Full View

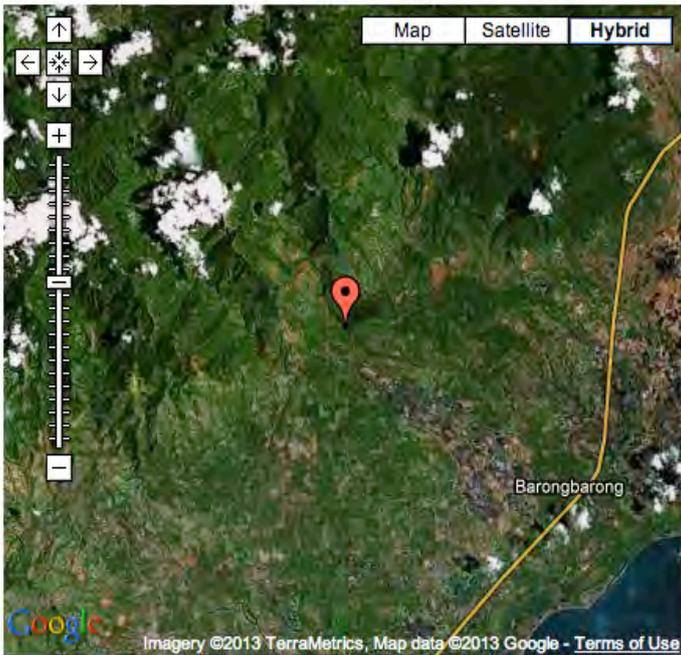
DSCN5029

Wed 29 Aug 2012 12:17:04

GPS Store Camera Store Prints



Map Satellite **Hybrid**



Barongbarong

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