

Island Salpex

Site Grotto's Bike Trail

GPS N 15° 15.120'

E 145° 49.212'

Distance 300m

Date 30 June 2012

Time 2:30 pm

Weather Sunny

Wind 1-2

Duration 1:01

Width 2.5m

Temp 30°C

Euphorbia

Euphorbia

Euphorbia

Euphorbia

Euphorbia

Euphorbia

Euphorbia

Euphorbia

Euphorbia

Euphorbia

Euphorbia

Euphorbia

Total = 40

Vegetation

- Leucaena (dominant)

- Various herbaceous

- weeds (mimosa)

- Cyrtandra

- Clerodendron

- papaya

- Mangroves

Notes

- 50' down here off

- Rufus fruit

- No + to abandoned

- Farm w/ banana

- Cacti

- LADT trail - Distributed
 - saw quite a few different butterflies
 - many were nesting on trees
 - how far off trail should we record?
 3m? 5m?
 - Tangatangata, pumua, grom, papaya
 papai

- 6/20/13 Butterfly Surveys
 Site: LADT Old forest Road (300m)
 LADT: Distributed
 GPS: N 15° 15.137'
 Start E 145° 47.834'
 Main plants: 0-1 m from road
 Mainly Urticaceae
 - Papaya
 - Leucaena
 - orchid
 - Moringa Paul OR albizia (?)
 - Agave
 - Maranta
 - Euphorbia
 - Melastomaceae

12 LADT Disturbed
6/28 11:04

(59)

Eupha curicea
Eurema blanda
Papilio polytes
Hypolygmus belina
Hypolygmus anomala
Carpilia poma
Melanitis leda
Unidentified

Trail 1

VOID

Length 300m
Duration - 1:42
Weather - Partly cloudy, Sunny
Vegetation - (Already have it)
Beaufort Scale - (1)

-5 m box
-hd butterflies

Trail 11

(54)

Eupha curicea
Eurema blanda
Papilio polytes
Hypolygmus belina
Hypolygmus anomala
Carpilia poma
Melanitis leda
Unidentified

VOID

Trail 111

notes
no hat
golden white-eyes, rufous fairails, possible bridled white eye

(62)

LADT Disturbed 6/28/2013
Duration 7:25
Time 11:21

Site name LADT trail limestone

GPS Start Point N 15° 15' 123' E 145° 48' 29

Distance 300 m

Duration 1 minutes 23 Seconds

Date 28 June 13

Weather Sunny

Wind 1 on Beaufort Scale

Temp 29°C

Total count

Empidonax

Empidonax

Papilio Polytes

Hypopygus Bolina

Hypopygus Ananoides

Carpodacus

Melospiza

Unidentified

Plants

- Ficus poliocha
- guava
- cyrtandra
- agave
- albizia (mimosa)
- maytenus
- pistia grandis
- eugenia
- schreberia
- ardisia

Notes

- White fairy tern trail is ~ 1-2
- only 2 butterflies seen near trail before survey (eugenia, pomona)

Total count = 0

Island Saipan

Site name Mafran

Point disturbed

GPS start point

N 15° 06' 18" E 145° 45' 14"

Distance 300 m

Duration 5:45

Date 6/29/2013

Time Started 10:31 am

Weather Sunny, hot

Temp 87°F

Wind 1

Euphorbia

Euphorbia

Papilio Polynes

Hypolychnis Polyn III

Hypolychnis Anomala

Carpodacus Pomona

Melospiza Leda

Unidentified

total: 4

Plants

Papaya

Leucaena (Leucaena)

Guamix

Morinda

Citrus (?)

Aidia

Melaleuca (Leucaena)

Albizia (Leucaena)

Canavalia torrens

Cynodora

Albizia (?)

Marsippos

Notes

Island Saipan

Site Name: Naftan Point Disturbed II

GPS: N $15^{\circ} 06.344'$

E $145^{\circ} 44.942'$

Distance - 300 m

Duration 6:13

Date 6/29/2013

Time Started: 11:58 pm

Weather: hot, Sunny

Temp 87°F

Wind: 1

Eupha Eunica

Eurema Blanda

Papilio Polytes

Hypolymnas Bolina

Hypolymnas Anamola

Catopsilia Pomona

Melantis Leda

Unidentified

Total Count = 0

Klan) Sappan

Site Name Kaguman

GPS N 15° 18' 14.79 8'

E 145° 47.267'

Distance 300m

Duration 10:02

Date 29 June 13

Time Started

Weather Sunny

Temp 87°F

Wind 0

Grass cover? Yes

Euphorbia corollata III

Euphorbia corollata

Hypolepis corollata

Hypolepis corollata

Catopsis pinnatifida

Melastoma malabale

unidentifical

Swollen

Vegetation

1. Melastoma
2. Catopsis (dominant)
3. Euphorbia (both)
4. Aitida
5. Pandanus
6. Hypolepis (dominant)
7. Pisonia grandis
8. Euphorbia
9. Ficus
10. Lantana
11. Euphorbia
12. Distichlis
13. Agave

Notes

Island Saipan

Site Marpi Native Limestone
GPS N 15° 16.14' E 145° 48.703'

Distance 310 meters

Duration 15:24 seconds

Date June 30, 2013

Time 11:25 am

Weather Sunny

Temp 80° → feels like

Wind 0

Crown cover - Starting (60-70%)

Euplia Eumia

Eumia Blanda 1

Hypolyminas Ammola

Hypolyminas Polina

Catopsilia Pomona

Melanitis Leda

Unidentified

Smalltail (10 Nests)

Total = 1

Vegetation

Agave

Euphorbia

Pigeon

Pineapple

Ficus

Pandanus

Albizia lebeck

Delonixia

Leucaena

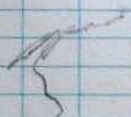
Morinda

Neosporium

Papaya

Guamnia domuncula

Golden white eye
Chung



Island Seapen

Site Bird Island Lane 1

GPS N 15° 15.673'

E 145° 48.669

Distance 300m

Duration 7:21

Date 30 June 2013

Time 2:13 pm

Weather Sunny

Temp 86°F 30°C

Wind 1

Cloud Cover

Wt. < 1 meter

Euploea Eumice

Eurema Blandia

Hypolympas Anomala

Hypolympas Polina

Pteropsila Pomona

Melanitis Leda

Unidentified

Swallow 11

Pigeon 1

Vegetation

- Leucaena

- Crinum

- Hibiscus unidentif.

- Albizia

- Bignonia

- Cydonia

- A. d. a

- Mimosa

- Eugenia

- Papaya

- Melaleuca

- Mayte

Island Seaplan

Site Bird Island Lane 2 Disturbed
 GPS N 15° 15.699' E 145° 47.058'

Distance 300m

Duration 6:55

Date 30 June 2013

Time 1:48

Weather Sunny

Temp 86°F / 30°

Wind 1

Clouds

Euphaea Lanius

Euphaea Blandia

Hypopynaea Pinnata

Hypopynaea Pinnata 1

Carpodacus Pinnata

Melospiza baya

Unidentified

Swallowtail

Vegetation

Same as BIL 1

Island Saipan

Site Bird Island Open Road

GPS N $15^{\circ}15.161$ E $145^{\circ}48.859'$

Distance

Date 30 June 2013

Time 2:04

Weather

Wind

Duration

Width $\rightarrow 1$

VOID : TOO SHORT

Euploea Eumice

Eurema Blandi 1

Hypolymnus Ananula

Hypolymnus Boliha 1

Catopsilia Pannonea

Melantis Leda

Unidentified

Swallow Tail

Date: 10 Jul 13 Island: Rota Site: GRP Nat

Time start: 12:36 Time end: 12:44 Total

GPS coordinates N 14° 09.385' E 145° 14.312' End: at A2

Weather: Sunny Wind: 1

Temp. Length: 300m

Duration 8:25

Butterflies Seen

Total = 0

Vegetation

Ficus poluxa (dominant large tree)

Guania

Leguminosa

Pandanus

Psychotria

Eugenia

Moranga

Thyrsia

Nerispermia

Date July 10, 2013 Island: Rota Site: Sane

Time start 2:05 PM

GPS: N 14° 09.447' E 145° 16.176'

Weather: Sunny Wind: 1

Length: 300m

Duration 8:11

Butterflies Seen

Total 0

Vegetation

Ficus poluxa (dominant large tree) papaya

Guania (dominant)

Pisonia

Dendrocalis

Hibiscus tiliaceae

Eugenia

Moranga

Nerispermia

Pisonia

Butterfly Survey Date July 20¹⁴ 2013

17

Island: Rota

Site: Palii

Time Start: 12:30

Time end:

GPS coordinates

N

14° 08.239'

Start

E

145° 13.386'

Weather: Sunny

Wind: 1

Length 300 m

Duration 7:43

Butterflies Seen

11 Papilio Poll

Total 2

Butterfly Survey July 11, 2013
Weather: cloudy
Wind: 0
Time: 10:08
GPS:
Island: Rota
Site: Inlets
Length: 219 m
Duration: 41:50

Butterflies seen

- Vegetation
- Leucaena
 - Triplasia
 - Melanolepis
 - Papaya
 - Dalmanella
 - Cocos nucifera

Total: 0

Butterfly Survey
Island: Rota
GPS: N14° 57.700' E 145° 07.167'
Weather: Sunny
Length: 250
Duration: 5:26
Time: 11:20
Site: Wedding Lake
Disturbed

Butterflies
Seen

- Vegetation
- Leucaena
 - Pisonia
 - Fig
 - Dalmanella
 - Triplasia
 - Banksia
 - Papaya
 - Andromeda

Total: 0

Butterfly Survey

July 11, 2013

Weather: Cloudy

Wind: 0

Time: 10:08

GPS:

Island: Rota

Site: Tracks

Length: 219 m

Duration: 41:50

Butterflies Seen

- Vegetation
- Leucaena
 - Triphasia
 - Melantheris
 - Papaya
 - Dalmanella
 - Cocos nucifera

Total: 0

Butterfly Survey

Island: Rota

GPS N 14° 07.700'

E 145° 07.967'

Weather: Sunny

Length: 250

Duration: 5:26

Time: 11:20

Butterflies Seen

Vegetation

- Leucaena
- Pineapple
- Fig
- Dodder
- Triphasia
- Baccharis
- Papaya
- Cardinalis

Total: 0

July 17, 2013

Butterfly Survey

- Native

Island Rota

Site: Isang

Weather: Sunny

Length: 250 m

Time: 1:55 pm

Duration: 7:02

GPS: 14° 08.937

E 145° 09.314'

Butterflies Seen

Total 0

Vegetation

- ~~B~~ Guamia
- Pandanus dubus & tectorius
- Agave
- Ficus prolixa
- Artocarpus marianensis

Tuphonia

Butterfly Survey

Island: Roka

Site: Calve Bird

Time: 10:30 pm

Weather: Sunny

Wind: 0-1

GPS N 14° 09.112'

E 145° 15.812'

Butterflies Seen

Length: 30km

Duration 6:12.

Total Seen 0

Butterfly Survey

Date 22 Jul 13

N 13° 39.013'

E 144° 51.662'

Time 12:03 pm

Weather: Sunny

Wind: 1

Duration 7:50

Refidian

Island: Guam

Vegetation

- Nerisspenn

- Cydonia

- Cycad

- Triplaris

- Aglaia

- Guadua

- Ficus

- Ochrosia

- M. amara

Butterflies Seen

Papilio IIII

Euploea IIII

Orange 1

Anorthia 1

Total

10

Butterfly Survey

Date 22 July

N 13° 32.20'

E 144° 48.38'

Time 2:35 pm

Weather Sunny

Wind 1

Site: Two Lovers
Point

Duration 6:01

Island Guam

Vegetation

- Leucaena
- African tulip
- Freziera
- Morinda
- Tephrosia
- Passiflora
- Pandanus
- Nerds perma
- 1 Xona trichanthus
- Eugenia

Butterflies Seen

Papilio MH 11

Euphydryas bolina 11
Euploea eueis 1

Total

110

Butterfly Survey

Island: Guam

Site: Ritidian Island

July 23, 2013

Weather Sunny

Wind 0-1

N 13° 38.868'

E 144° 52.220'

Time: 11:36 am

Duration 8:13

July 23 W/ Stopwatch 35

Meters: 218

or

w/ satellite 303

map

Butterflies Seen

Euploea MH 11

Papilio MH 11

July 23

Butterfly Survey

Island: Guam

Site: GCE / Mestizo

Time: 2:13 pm

Weather: silvery

Wind: 0-1

GPS N 13° 26.302'

E 144° 48.513'

Duration: 10:29

Butterflies Seen

Eurema blanda 1*papilio* 11

July 24

Butterfly Survey

Island: Guam

Site: Pagat

Time: 9:40 am

Weather: sunny

Wind: 0-1

GPS N 13° 29.815'

E 144° 52.642'

Duration: 7:30

Butterflies Seen

Eurema blanda 11 11 1*hypolymanis anomala* 11 11*Eulipha carice* 1

King crow 1

Vegetation

- *Leucaena* ①- *Morinda*- *Pago* (H. *Talassia*) ①- *B. dens, alba*- *Triplaris*- *Kanabaike*- *Alseis black*- *Freuwa*

Total 17

Butterfly Survey

Island: Eran

Site: Anao Native

Time: 11:03 am

Weather: Sunny

GPS coordinates:

N 13°32.658'

E 144°55.724

Wind: 0-1

Duration: 1:35

300 m² July 24

Vegetation

- Pandanus
- Agave
- Propolisia
- Ficus
- Guava
- Manuca
- Nerospina
- Wild Pickle
- Premna
- Cyperus
- Cordia alliodora

Butterflies Seen

eurema blanda 11

papilio 11

Total 5

July 24

Butterfly Survey

Island: Eran

Site: Anao Disturbed

Time: 11:17

Weather: Sunny / partly cloudy

GPS N 13°32.689'

E 144°55.629'

Wind: 0-1

Duration: 8:41

Notes

papilio on
partana

Butterflies Seen

eurema blanda 1

hypolygus anomala 1

papilio 111

Total 1

Butterfly Survey July 24, 2013

Island: Guam

Time: 12:15 pm

Site: S Blas Native

weather: sunny

GPS: coordinates

N $13^{\circ} 32:228'$

E $144^{\circ} 55.533'$

wind: 0-1

Duration 9:41

Vegetation

-Mammea

-Papai (Dom.)

-Ochrosia

-Cycad

-Pandanus

-Ficus polixa

-Eugenia thausarii

-Nerospoma

-Pisonia grandis

Butterflies Seen

euploa eunice

papilio

Total 2

Clay Model - Trail	Marker #	Time Out	Time In	# Predated
Anao Focus 1 meter up	1	11:03 am 6/14/13		
Anao Ficus tinctoria ~1m up	2	11:30 6/14/13		
Anao Cinometra Paniflora	3	11:51 6/14/13		
Anao Yucca ~2m up	4	12:15 pm 6/14/13		
Anao Nucleospora ~2m up	5	12:36 6/14/13		

on left
up tree, 2 on leaves exposed
295m - lots of ants
on right lower - 1 on leaf
1m 1 on ~~stem~~ stem

all 1m up
Facing in to trail:
2 on 1st big branch
1 on 2nd big branch
2 on 5th big branch
1 on stem 1st on leaf

2 metres up - all Reached
1 above yellow tape
Standing on karst, 1 on stem
2 on leaf to left of tape
1 in middle on leaf

Facing tree from trail, progressing from trail
1. stem, practically on trail
2. leaf
3. stem
4. stem (a little covered by bird's nest fern)
5. tip of leaf, 1st branch on tree.
2 metres up - toward stem
4 on leaf. Far right
back on stem

Site Name	Distance	Notes
Andy South	3-8 miles 650 meters from bend	- Secondary forest, close to primary forest - ≥ 10 meters wide
Two Lover's Point	.5 miles	- trail good - <i>Lucaena</i> - african tulip - <i>premnia</i> - introduced ornamentals - herbaceous weeds - 3-4 meters wide - <i>Sparrow</i> presence
GLC limestone	< .25 miles	- < 3 meters wide - curved - short, maybe, 25 miles - limestone - primary forest invaded species - <u><i>triphasia trifolia</i></u> - possibly good place for clay capillars

Site	Distance	Notes
Anao	500 meters 3-5 meters wide.	- start from beginning to get 500 meters
Anao Disturbed	2 1/2 meters wide	mostly pago, pandana, rems bad too open. in fig ends at 369 meters grass - 453 meters Straight back
south blas	1 meter wide 500 meters long	- 17 butterflies in - 10 on way out w/rain - all swallow tail, or Euploea eunice - fig trees present 2 E. eunice like to stay - not much triphasia.

Butterfly Identification

Family	Identification	Species
Hesperiidae		1. <i>Badamia exclamationis</i> 2. <i>Erionota thrax</i> 3. <i>Hasora chromus</i> 4. <i>Parnara naso</i> 5. <i>Taractrocer ziclea</i>
Papilionidae		1. <i>Trichoptera</i> 2. <i>Papilio polytes</i> 3. <i>Papilio xuthus</i>
Pieridae		1. <i>Appias ada</i> 2. <i>Appias paulina</i> 3. <i>Catopsilia pyranthe</i> 4. <i>Catopsilia pomona</i> 5. <i>Eurema bland</i> 6. <i>Eurema bangiti</i> 7. <i>Eurema hecabe</i>

Clay caterpillars →

Family	Identification	Species
Lycaenidae		1. Lampides boeticus 2. Zizula hylax 3. Chilades pandora 4. Zizina otis

Danaidae		Danais Plexippus Euploea Eleuthero Euploea Eunice
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Nymphalidae		Hypolimnas Anomala Hypolimnas bolina Hypolimnas Sooty Vagrans Egistina
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Satyridae		Melanitis leda
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