Answers of exercises

The following exercises belong to the EarthWatchers application, part of the DeforestACTION project. These exercises can also be found online at the EarthWatchers Wiki, at shout.tiged.org/dfahq/writing. A short introduction of using the application, can be found at the Getting Started wiki-page: shout.tiged.org/dfahq/writing/?id=34585.

2.0 Introduction to detecting deforested areas

EarthWatchers Wiki > Detecting deforested areas > **Introduction to detecting deforested areas**

No answers available.

2.5 Using SAR images

Q1:

Image A	Land cover label	Number	Color
	Palm oil plantation	4	Pink
	Road	2	Gray
	Forested region	1, 3	Green
	Deforested region	5	Brown

Image B	Land cover label
	Palm oil plantation / Deforested region
	Forested region
	Road
	(Old) Deforested region

Q2: Number 3

Q3: The coordinates of the deforested region that was once forested are (5,2); this is the same location where the yellow number 3 is located in image A.

Q4:

Legend

- Deforested new: 0
- Deforested old: 4, 8, 9, 10, 11
- Forest: 2, 5, 6, 7, 12
- Palm oil plantation: 1
- Road: 3
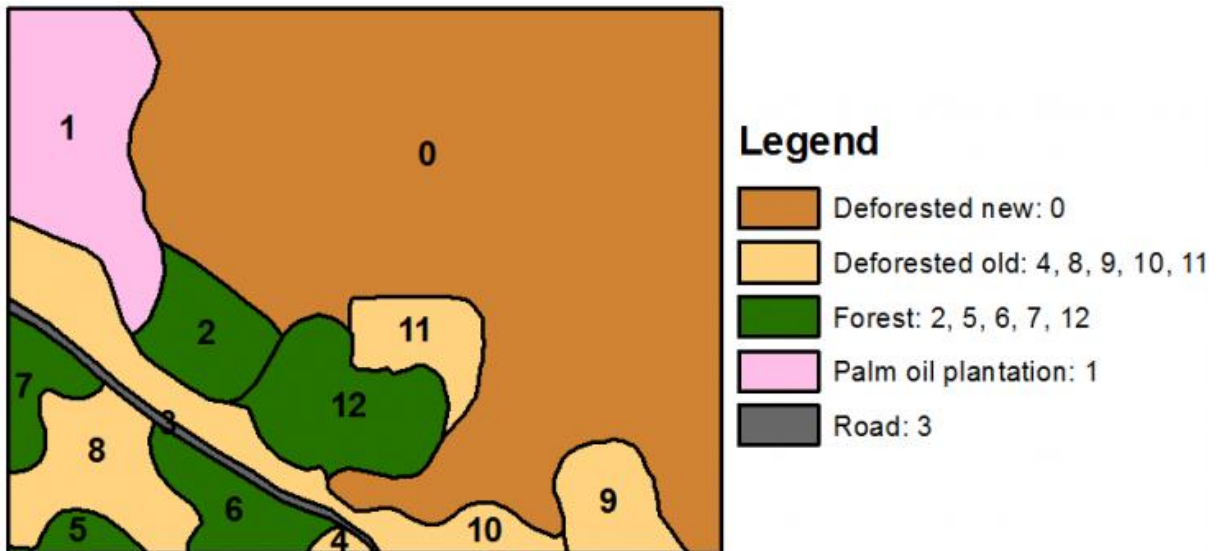
3. Image resolution and size

EarthWatchers Wiki > General information > **Image resolution and size**

Q1:

	pixel-size	columns	size in row direction	rows	size in row direction
A	0.9 m	4778	4300 m	4111	3700 m
B	50 m	86	4300 m	74	3700 m

Q2: Image A has a larger file size, since it has higher resolution, so smaller pixels and thus more pixels.