

Assessment MERMS- RS&GIS 2018

Complete the Supervised Classification Practical and write up (word count is guide not limit)

Report must contain

1. Introduction (what is RS, why is it useful) (400words)
2. Materials & Methods (what satellite data are you using- what type of supervised classification and the procedure followed- include examples of your training areas (1200 words)
3. Results- Full accuracy assessment including error matrix and full page map you created(800)
4. Conclusion- what did you find difficult, how could it be improved (400)

Use lots of Images. Don't forget references.

DEADLINE By EMAIL 5pm FRIDAY 23rd NOV

Map of an area in the county of Galway, Ireland

N



Legend :

-  water
-  silt
-  natural vegetation
-  low density improved grassland
-  high density improved grassland
-  forest
-  builtland
-  bare soil

Figure 8: Pivot table

	A	B	C	D	E	F	G	H	I	J	K	L
1	ClassNam	Water	Silt	Natural ve	Low densi	High densi	Forest	Builtland	Bare soil		Percentag	Sum Points
2	Water	1	0	0	0	0	0	0	0		100%	0
3	Silt	0	111	0	0	0	0	0	0		100%	111
4	Natural ve	0	0	0	1	0	0	1	0		0%	2
5	Low densi	0	0	1	19	0	0	1	0		90.4%	21
6	High densi	0	0	0	0	12	3	0	0		80%	15
7	Forest	0	0	0	0	3	6	1	0		60%	10
8	Builtland	0	0	1	1	0	1	3	0		50%	6
9	Bare soil	0	0	0	0	0	0	0	1		100%	1
10										153		166

$(153/167) \times 100 = 91\%$

The pivot table reveals the map created is accurate at 91%.