

## Timesheet Details by Team

Dugal Harris  
Between December 01, 2017 and March 11, 2018

	Client	Project	Task	Notes	Hours	Billed
<b>Harris, Dugal</b>						
12/09/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Export Dec 2017 sampling data from DGPS	1.00	
12/10/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Further rectification and radiometric correction of NGI aerials for GEF study area.	3.00	
12/11/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Create GEF study area map	2.00	
12/11/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Return DGPS to SU and obtain Trimble software for differential correction. Attempt to work around Trimble bug.	4.00	
12/11/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Work on q4 report	2.00	
12/12/17	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Complete q4 report	2.00	
01/19/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Field work	Updating sampling area bounds with correct farm boundaries. Generating Sewefontein sampling points.	4.00	
01/20/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Generate NDVI variograms for each sampling stratum to check appropriate plot/cluster distances	4.00	
01/20/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Use NGI imagery to check NDVI spread for planned sampling points	2.00	
01/30/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Recommendations for allometric data capture	2.00	
01/30/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Meeting with Cos to discuss field sampling logistics	1.00	
02/07/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Literature survey	Literature survey on structured sparsity regularisation for selecting informative variables	7.00	
02/09/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Meeting with Cos to discuss data capture and processing logistics	1.00	
02/11/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Literature survey	Further research into sparse regularisation including multiviewFS and LASSO for feature selection	7.00	
02/12/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Software development	Implementing LASSO and MultiviewFS feature selection methods	7.00	
02/13/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Meetings, admin & reporting	Outcome 3 SOP meeting and preparation	2.00	
02/13/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Research	Feature selection experiments with new techniques on example data	4.00	
02/16/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Research	Compare accuracy and stability performance of MultiviewFS to clustering and ranking.	5.00	
02/21/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Running differential correction on sampling data captured so far. Experimenting with options and checking results.	4.00	
03/07/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Generate sampling points and stratification maps in various formats for Cos. Work around QGIS bug.	3.00	
03/07/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Determine correct procedure for generating Trimble format data and waypoint files from sampling point shapefile for DGPS.	2.00	
03/08/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Software development	Python script to generate polygon shapefile with available carbon stock from DGPS field data	5.00	
03/09/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Field work	Collect DGPS from SU, setup with GEF waypoints and background files	3.00	

	Client	Project	Task	Notes	Hours	Billed
03/09/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Software development	Start python script to extract image patches corresponding to sampled plots.	2.00	
03/11/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Data analysis	Check and massage Dec 2017 allometric data	2.00	
03/11/18	Rhodes University	GEF5 SLM: Carbon Stock Remote Sensing	Software development	Develop python script to process Dec 2017 allometric data and extract carbon stocks	3.00	
Total					84.00	
ALL TOTAL					84.00	