



**Team**  
**Purbeck Heaths and Mires SERT**


<b>Team Hours</b>	995
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<b>Team activity overview</b>	<b>Hours</b>
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Lindsey Selleck	119
James Appleby	101
David Povey	107
Victoria Brayford	142
Sophie Emms	109
Charles Alan King	163
Leon Fletcher	150
Adam Pickles	104

	<b>Name:</b>	<b>Lindsey Selleck</b>		<b>Hours completed so far:</b>	<b>119</b>
	<b>Project:</b>	<b>Purbeck Heaths and Mires SERT</b>			
	<b>Role:</b>				
<b>Activity Log</b>					
<b>Date</b>	<b>Work completed</b>	<b>Skills and personal attributes gained or used</b>			<b>Hours worked</b>
13/03/17	Initial introduction into the sert project from Anita	General information on the SERT			1.5
20/03/17	Further introduction from Michelle Brown and discussion of roles	Further in depth information about the SERT and how we will be sampling and collecting the data.			1.5
29/06/17	Meeting to gather the kit required from campus and clarify which roles everyone would be taking on for the next two weeks. This was followed by a brief visit to Studland to look at the heathland there. When arriving at the camp site we were given a short tour of the site and where the facilities were before setting up the tents.	Here I began my role of monitoring the SERT social media pages. I was introduced to the different types of heathland and some types of grasses.			8
30/06/17	Meeting with David Brown to learn more about the 'Land Outdoors and Nature' scheme along with information about habitats within the Isle Purbeck. Followed by a day working on Godlingston Heath using 4 x 4 quadrats to survey the dry heathland areas. In order to survey the areas we looked at species present, abundance and percentage cover, along with whether or not there were signs of grazing.	I learnt more about the ecology of Pubeck and was introduced to how to use 4x4 quadrats to sample within an area. I have gained basic plant identification skills, mainly with different types of heather and gorse. I became aware on how to use the DAFOR scale to assess the species composition. Teamwork skills were improved whilst working in large groups, mainly when discussing the DAFOR scale where disagreements may have occurred. I was introduced to using a GPS tracker.			8
01/07/2017	Began creating my diary on the computer and wrote about the past three days both on camp and exploring the local area.	Gained confidence in writing for an audience. Found it enjoyable to document about my day in an organised but fun way.			1.5
03/07/2017	Firstly we began surveying Aggleston South in Godlingston heath. We were separated into pairs and within the pairs we surveyed 3 4x4 quadrats identifying the species present and determining which type of heathland it was. Then we moved further into the heathlands into Brands Bog heath, here we were mapping 20 x 20 squares to show the type of heath present in that location, for example if it was grass land with heath and then whether the heath was in the pioneering, building, mature or degenerative stage. This was completed by doing a walk over of the site. At the same time we were carrying out the same 4x4 quadrat surveys as previously in Aggleston. We were supposed to complete 10 however managed 6 today due to getting used to the technique.	I developed my plant identification skills further and was able to identify the variations in heathland stages and quickly identify the species, I also began to identify species of grass. Map reading skills were improved and I felt more confident using the GPS to track where we in comparison to the maps we were provided with. I learnt that it can be difficult to work at a high speed, especially when on surveys such as there where it can be very subjective.			9
04/07/2017	This morning we had a training session with Michelle on how to use the living records system, we were all given our own log ins and given time to input the previous few days data. We worked as a team in order to solve any issues we faced when it came to putting in the data onto the system. After we headed out to finish our 4 left over quadrats from yesterday in Aggleston before moving on to map the squares in Western Arne on the Studland Heath Peninsula. Here we completed 5 4x4m quadrats within the area. When returning back to campsite Anita de briefed us about the days work whilst explaining the plan for the following days along with introducing us to the camera traps which we would be using. I then updated my diary from yesterday.	I learnt how to use the living record systems. I contributed in group discussions to show my ideas about easy methods which could be used to input the data. I am becoming more confident in recognising heathland stages and identifying species. I felt more confident with carrying out the quadrats and using the latin names for species.			10
05/07/2017	In the morning we had a brief introduction from Liz teaching us how to identify the bees which we would most likely encounter on Godlingston heath. Then in the central plateau compartment we were given time to allow us to become used to catching the bees before working through a 7m x 7m quadrat in a group before carrying out five of these in our pairs. This sampling method involved counting the bees present in the quadrat in 10 minutes and identifying the key species which would attract the bees to the area. After in our pairs we headed out to Agglestone South and Central Ridge where we had to determine the heather class on a map with 25m square grids. When back on site I spent an hour updating my diary and importing photos.	Today allowed me to gain some bee identification skills and also the technique of how to capture a bee safely. When doing the heather mapping task it allowed me to work on my map skills and made me more confident with identifying heather age classes.			9.5

06/07/2017	<p>Today we were on Slepe Heath learning about how to use the BU SERT squares to conduct the surveys we were doing. Anita demonstrated to us how to use this method to create a 20m by 20m square before allowing us to all work together in our pairs on 2 2m x 2m squares inside the large square focussing on % cover. We then all carried out a DAFOR survey for the whole section. After this we split into our pairs planning to conduct the BU SERT square for our individual compartment however there was a mix up with the GPS co-ordinates which led us to only conducting the 10 NT quadrats within Plantation Heath A. In the evening I added my data to living records.</p>	<p>I learnt how to use a new method of surveying using the BU SERT squares. I improved my teamwork skills by working in a new pair and also problem solving when we were trying to figure out how best to carry on the work without wasting time. I improved my GPS tracking skills.</p>	9
07/07/2017	<p>Today we went back to Slepe Heath to conduct the BU SERT squares on site 78. Here we used the DAFOR scale to look at the overall 20m x 20m area whilst also using 10 2m x 2m quadrats inside this overall site to look at percentage cover. After this we headed to Plantation Heath D where we completed 10 NT quadrats to survey the area. After this we went back to camp and had a debrief from Liz and Anita. We collected in all of the raw data sheets, we were shown how to enter the data collected for the BU squares on an excel spreadsheet as well as discussing how we would go about completing our reports. I then had to upload my data onto the excel spreadsheets and completed my diary for the day.</p>	<p>I felt more confident using the GPS and completing the BU SERT squares to survey the heathlands. I also revisited excel after not using it for a while which helped to improve my IT skills. Problem solving skills were used when we faced issues with the GPS and locating the sites we required. Organisational skills began to be tested as I will be collating all of the data for the BU SERT squares and writing the report for this data.</p>	10
10/07/2017	<p>Today we were based at Godlingston heath. In the morning we looked at the camera traps which had been previously put out by Anita and other members of the team. We learnt how to change the batteries and set them up so that they could be used again. At each of the camera sites we worked in pairs within the team to complete a total of five 2m x 2m quadrats in the area in front of the camera which would have been in the view of the lens. We did this for the first 5 camera locations. Then we headed to the mires where we were introduced to the different types of sphagnum mosses which we would be likely to find. We worked through one 2m x 2m quadrat in a group then within our pairs carried out 3 each for the lower central ridge section. In my pair Adam and I headed to the camera at location W in order to change the batteries and the SD cards whilst completing five 2m x 2m quadrats in the view of the camera lens. When back the camp I collated the data from the BU squares on the Friday and completed my diary for the day.</p>	<p>I became more aware of the types of sphagnum mosses which are present in the mires. I was able to learn about using camera traps. I found it easier to complete the 2m x 2m transects because my identification skills of heather and grasses has improved.</p>	9.5
11/07/2017	<p>Today we headed to Down farm to learn about chalk grasslands. We had a talk from Martin and Peter where we learnt about the area and the landscape. After this we were introduced to identifying species which are key to chalk grasslands along with some helpful key characteristics to look for when trying to determine between the species. We learnt about management strategies and how much of a difference can be made in an area which has been ungrazed for two years. We had a look around the museum on the farm which had local artefacts. After this we headed back to camp where I started on my diary for the day whilst we were waiting for Anita to give us information about the next few days. I discussed with Anita my role within the presentation which we would be doing on Thursday then sorted out the data for the BU SERT squares whilst thinking of ideas of how to incorporate this into the presentation.</p>	<p>I learnt about the various species in chalk grasslands and began to try and identify these. I then improved my edexcel skills by using formulas to work out averages etc.</p>	12

12/07/2017	<p>Today we went back to studland heath where Charles and I finished the work on western arm heath before moving on to plateau heath North to carry out the 10 national trust transects using the DAFOR scale. After this we headed to Hartland to look at pollinators with Liz. Firstly we looked at the bees nest which had been successful before being shown what Dorset heather looked like in the field. Then David and I completed the same surveys as before looking at the number of bees which were present in an area in the space of 10 minutes. When back at camp we spoke to Liz and Vicky to confirm what our roles were within the presentation. This evening I entered the data from this morning onto living records, prepared some of my presentation on the BU SERT SQUARES, wrote today's diary entry as well as preparing part of the presentation to do with the social media which I had been running.</p>	<p>I used the skills which I had learnt over the last two weeks to do with heather identification when carrying out the final National Trust transects. I also revisited the information which we were given to do with bees last week. My knowledge of excel and interpreting data is improving when I have been looking at different maps to do with Slepe heath.</p>	13
13/07/2017	<p>Today we were continuing with our presentation preparation in the morning. I was in charge of making the section to do with the BU SERT squares talking about our method, results and making some maps to show the data we have collected. I also included an extract from my diary into the part about camp life and a few screen shots from the social media pages which I have been running over the last few weeks. I wrote my personal statement which was going on to the co creation website. In the afternoon we presented to Anita and Liz as well as Michelle and David from the National Trust.</p>	<p>This has improved my presentation skills and confidence as I spoke in front of the group for just over 5 minutes using powerpoint slides to assist me. It has helped to improve team work as we all had to do our individual reports then join together in order to ensure the presentation ran smoothly.</p>	8
14/07/2017	<p>This morning I updated my diary from yesterday and wrote the final entry. I wrote a piece for Anita called 'A Students guide to the SERT BU social media pages' to show people who may use these pages in the future on similar projects. I have spoken to Anita about how to write the report about the BU SQUARES. In the afternoon I began writing my report on the BU Squares.</p>	<p>Improved my communication skills and creative writing. The report is helping me to improve my structure for scientific reports.</p>	6
22/07/2017 & 30/07/2017	<p>Finalised my diary about the time at Camp David and completed my report on the Slepe Heath BU SERT squares. The hours have been joined together for these two dates.</p>	<p>Report writing skills have been used and also presentation because my diary had to be clear and easy to read.</p>	2.5
Total hours			119


	<b>Name:</b>	<b>James Appleby</b>		<b>Hours completed so far:</b>	<b>101</b>
	<b>Project:</b>	<b>Purbeck Heaths and Mires SERT</b>			
	<b>Role:</b>				
<b>Activity Log</b>					
<b>Date</b>	<b>Work completed</b>	<b>Skills and personal attributes gained or used</b>			<b>Hours worked</b>
13/03/2017	Overall introduction to the project from Anita	Information			1.5
20/03/2017	Details on research monitoring for the National Trust from Michelle Brown	Information			1.5
29/06/2017	Introduction to methods, first visit to studland	Methods learnt, heather and grass ID skills,			8
30/06/2017	Morning meeting about current National trust Land, outdoors and nature project. Learning quadrat sampling in Godlingston Heath	Quadrat sampling, more plant ID			8
03/07/2017	Three quadrats on Godlingston Heath, Six quadrats and BU squares in the afternoon in a different quadrant	Quadrat sampling, plant ID, land surveying			8
04/07/2017	Living records training in the morning, completing Puckstone Plateau north quadrats in the afternoon. Entered all previous data into living records in the evening	Entering National trust quadrat records into living records, quadrat sampling, plant ID			9
05/07/2017	Bumblebee survey in the morning, started and completed Aggleston ridge quadrats. Entered the days data into Living records in the evening.	Insect ID, Plant ID, Quadrat sampling, entering information into living records			9
06/07/2017	Learned and used the new SERT squares sampling method on Slepe heath, Hartland, which uses 10 2-metre quadrats in a 20 metre square. Methods applied in addition to usual NT quadrants in the afternoon	Quadrat sampling, BU squares, GPS tracking			8
07/07/17	Finished the DAFOR for the whole SERT square (72) at Slepe heath. Did a second SERT square (73) in its entirety. Did 10 National trust quadrats. Uploaded the National trust transects to living records	Quadrat sampling, BU squares, GPS tracking, entering information into living records			9
08/07/17	Entered polinator data into excel for data analysis	Using excel			2
09/07/17	Did some filming on the heath. Started to piece together video	Camera work, presentation skills, script writing, video editing			3
10/07/2017	Checked camera traps and replaced batteries. Recorded 5 quadrats around each. Recorded 10 quadrats on a mire and learned how to identify Mire plants.	Quadrat sampling, Plant ID, using camera traps			9
11/07/2017	Visited Down farm. Learned about the restoration work taking place there and visited some different sites with different plant growth. Learned some new plant species and took some quadrat readings. Visited the museum on the farm. Uploaded the data from excel onto SPSS and began analysis using comparison tables. Continued to put together video	Plant ID, Quadrat sampling, using excel and SPSS, video editing			10
12/07/2017	Did 15 quadrats on Studland, 10 in Plateau Heath South and 5 in Curlew Heath. In the afternoon we visited Hartland to check a bee nest box and take photographs, followed by five pollinator surveys. In the evening I added the new data from the day's pollinator surveys and ran some more statistical analysis on SPSS	Quadrat sampling, Plant and insect ID, photography, using excel and SPSS			8
13/07/2017	Used excel to produce graphs for Bee project. Presented Bee data and photographs to representatives of the National trust	Using excel, Powerpoint, presentation skills			7
				Total hours	101

	<b>Name:</b>	<b>David Povey</b>		<b>Hours completed so far:</b>	<b>107</b>
	<b>Project:</b>	<b>Purbeck Heaths and Mires SERT</b>			
	<b>Role:</b>				
<b>Activity Log</b>					
<b>Date</b>	<b>Work completed</b>	<b>Skills and personal attributes gained or used</b>			<b>Hours worked</b>
13/03/17	Overall introduction to the SERT from Anita	Understanding of what work we will be doing and the role we will have on the SERT			1.5
20/03/17	Introduction from Michelle Brown	A more in depth understanding of the techniques and specific things we will be looking for whilst on the SERT			1.5
29/06/17	Meeting in the morning to check through equipment needed for the SERT and camping i.e. tents also, to go through all the assigned roles. Then visited Studland Heathland area to see basic stages of Heaths aging process. We then went to the campsite and were giving a guided tour of the facilities.	The meeting gave me a better understanding of my role on the SERT in terms of what I would be doing on the camp but, also overall how the SERT would operate. Visiting the Studland Heath area gave me basic skills in identifying the age of a Heath. Whether it be Pioneer, Building, Mature or Degenerate which I would need to be able to do confidently throughout the rest of the SERT.			8.5
30/06/17	Had a meeting with David Brown at the National Trust learning about Land, Outdoors and Nature report (LON) and how our work will help the National Trust. Then went to Godlingston Heath where we had a runthrough of the 4x4m quadrat method of we would be using then were paired off and did 2 quadrats together. In the quadrats we identified the different species in them using the DAFOR rule, we also had to estimate the coverage of the Heaths and the Heather consumption.	In the meeting it gave me a better understanding of what the long term vision of the National Trust was with the data that we were collecting throughout the SERT. It also gave me a better idea of the reasons why this research needs to take place meaning I can become more invested in the research. Going to Godlingston Heath and being taken through the the process for the first time gave me the basic plant identification skills that I would need in order to complete the 4x4m quadrat method and helped me understand the method in general. When paired off to do the 2 sites this help me put the skills into practise for the first time which I feel went well and could confidently identify the species within the area using the DAFOR rule and estimate the coverage and consumption.			8.5
3-7-17	In the morning we had a brief with Anita of what we were going to do throughout the day. Firstly in the morning due to Michelle's car breaking down as a team in pair we completed the Aggleston South compartment of transects with my pair having 2 quadrats to do. After this we went back to camp where Anita had got the documents needed for us from Michelle and then in our pairs we completed a compartment each; ours was Coronella Hill Heath. We transected across this completing 10 quadrats, along with this we also mapped the Heather age class in a 25x25m squares on the map whether it was Pioneer, Building, Mature or Degenerate.	Firstly doing the first compartment of Agglestone South as a team in our pairs only doing two transects gave me a refresh on the identification skills that I gained before the weekend started; This gave me the confidence in my identification skills of certain species of plants and working with Adam my partner also gave me a greater insight to the different heather consumption stages. Then completing our first full compartment by ourselves helped me gain team working skills to work efficiently and effectively as possible in the field and an idea of how things could be done better when continuing doing more compartments. Mapping the 25x25m squares also gave me the skills to work at a larger scale area in the field and gives me confidence to be able to accurately identify this.			9.5
04/07/17	In the morning we had a meeting with Michelle Brown setting us up on living records and teaching us how to submit data gathered through it. We then spent the morning inputting the data that we had gathered other the past few days into living records to get up to date. We then went to the site Studland Peninsula where me and my pair were assigned to Brands Heath compartment, we completed the NT transects with the 4mx4m quadrats and mapped the 25mx25m squares on the age class of the heaths there. We then came back to camp where Anita walked through how to set-up a camera trap and gave us a de-brief. The I spent half an hour inputting the data for Brands Heath into living records.	The talk from Michelle gave me the skills to be able to enter the data collected into living records effectively and efficiently and as we discussed a way of inputting certain data it gave me knowledge of how to make the data usable for the future. As we changed partners for Brands Bog this gave me different skills as I was interacting with my partner differently than before and learning new ways of doing things and also gave me further knowledge on certain plants and being able to identify them. When Anita showed us how to put the camera traps together this gave me the knowledge on how to do this and I believe I could do this independently in the future.			10
05/07/17	We were trained on identifying common Bees by Liz at the camp then taken to Central Plateau compartment in Godlingston Heath where we had brief training on catching bees to be able to identify them and how to do this. As practise for the method we set out a 7m x7m quadrat altogether and worked through the method with Liz as a run through. In our pairs we then completed 5 7m x 7m quadrats to identify bees in the area. After finishing this my pair mapped the heather age class across the Central Ridge and Agglestone South compartments in Godlingston Heath using the 25m grid square map of each compartment. I then spent half an hour finishing inputting all the data that I have collected so far from the compartments.	Today's activities gave me a good understanding of how to identify bees and catch them without distressing them; this also enlightened me on the number of species of bees there actually are. Using the 7m x 7m quadrat helped me to improve my observation skills across an area that size as well. Mapping the heather age classes helped me build on my map using skills that I have gained overtime but, also make me feel more confident and identifying age classes.			9

06/07/2017	<p>We travelled to Slepe Heath on Hartland. We trained with Anita on the BU Squares method of surveying where, we walked through one of these squares altogether. We were then given one BU Square site where we set out the 25m quadrat, did an overall DAFOR for this and then did 10 small 2x2m individual quadrats within these sections being 71 in pairs for this BU Square we took pictures of North South East and West directions and set it up knowing where each direction was pointing. We then completed a compartment along with it where we had to do the NT Transects which were the normal 4mx4m quadrats. There was a mix up with the BU Square site numbers co-ordinates so me and James my pair teamed up with Charles and Adam to finish of the two BU square sites we had to do and the two compartments in which we had to do the NT transects.</p>	<p>This gave me skills in using another method of surveying plant habitats and knowledge on how they could differ; it also enlightened me on how different methods can be used to get the desired results that you want for example in a 2x2m quadrat in the BU squares gives you a greater level of detail on what new species are coming through however, a 4x4m quadrat allows you to generalise to see overall how heathland is fairing. This day also let me use and gain stronger team working and problem solving skills due to the mistake made with co-ordinates we were able to delegate between two pairs to ensure that we got as much of the two compartments as done as possible to ensure that good data was collected. The pairs also switched again enabling me to work with a different type of person meaning that my teamworking skills have again enhanced and I should be able to co-operate with this type of person much more efficiently than before. I was also able to improve my GPS and navigation skills as each site had co-ordinates so entering these into the GPS helped us find our way to the site and also navigation skills were tested as we used the map to keep to footpaths so we could get to the sites to survey as quickly as possible without having to walk across as much heathland.</p>	9
07/07/17	<p>We went back to Slepe Heath on Hartland where me and my pair James finished off the overall DAFOR for site 72 of the BU squares, we then went to site 73 and completed the BU Square for this which was the 25m overall DAFOR quadrat and then the smaller 2mx2m individual quadrats within the four quarters of the 25m quadrat which looked at % coverages. After this we completed compartment Plantation Heath C for the NT Transects which were the 4mx4m quadrats using the DAFOR system and then looking at heather consumption as well. Once we got back to camp we had a brief with Anita and Liz where we collated all of the data sheets where we had the NT transect data sheets being compiled into one being that it had been submitted onto living record then the ones that were yet to be submitted were kept until it was done. Then Anita showed us the excel sheet on which we needed to submit the BU squares data within our pairs that we had collected from Slepe heath and walked us through it; we also organised how the data was going to be compiled and was agreed that everyone would put it on a blank copy and then submit that to Lindsey who would put it onto one excel sheet. We also had a chat about roles and made sure everyone's work load was good and were going to hit the hours we needed. I then spent one hour in the evening submitting my BU square data into the excel sheet.</p>	<p>Going back out onto the heath and using the BU square 25m quadrat method helped me to improve on surveying on a much larger site than the NT transects are surveyed on; this made me much more confident in doing so and I feel I can effectively survey on this size of a site. As the 2x2m quadrats are used for % coverages I feel much more confident in estimating %'s now and feel I can do this effectively. Again, I feel that navigation skills were tested as we had to make our way to each site using GPS and the maps provided to us effectively. Organisation of roles was a skill developed as two different data sets were collected meaning me and my pair organised who was going to submit which data set with James submitting the NT transects and me submitting the BU Squares. Seeing how the data was inputted allowed me to see a different way in which data can be collated to living records and will help me decide on what to do for example in my dissertation. Organisation and communication was used all throughout the day especially when organising roles.</p>	9.5
10/07/17	<p>We were on Godlingston Heath today; firstly we looked at the camera traps together as a group where we went to five of them sites. At the site we watched Anita change the batteries in these and change the SD cards in them. However, the batteries had the camera traps wouldn't take them so Anita said she would go back and do these later on. At each of these camera traps we completed 5 BU style 2mx2m quadrats within the view of the camera which is around 60 degrees FOV and 20 metres out from the camera. After this we started looking at Mires on Godlingston Heath at Central Valley compartment; here we completed 1 2mx2m quadrat altogether to be able to identify the more complex system of wet heaths then as a group in our pairs we all did 3 more 2mx2m quadrats in this compartment to complete it. We then on our way back to camp went to an individual camera trap site and changed it ourselves and did 5 2mx2m quadrats in the FOV of the camera. I then spent sometime submitting the data collected in the evening.</p>	<p>Today I gained the skills to be able to change a camera trap and ensure that it is setup properly in order to start taking pictures in the correct time to make sure that the pictures show the correct dates and times that they were taken. Doing the 2mx2m quadrats in front of these camera traps also, helped develop my observation skills as I feel I was able to detect more signs of grazing on the heath in these areas so in the future I feel I could do it even better in a more complex location. Going onto the Mires helped improve my identification skills as the Mires are a wet heath meaning they are much more complex systems with a lot more species especially with mosses as Sphagnum moss only grows in wet locations and there is a number of different species of these. Working in the Mires have me experience of working in a tougher environment to negotiate and ensure that a site is suitable for identification in the study but, also to be able to actually take a survey.</p>	9

11/07/17	We met with expert Botanist's Pete and Martin at Down Farm where we looked at the complex habitat of Chalk Downland and what they are trying to do, to conserve the habitat and restore the area to this habitat. Martin gave us a brief history of his farm and how it has developed over the years. We then went into the habitat and started looking at the different species that grow there doing 1mx1m quadrats along the way and looking at parts that had been fenced off to stop grazing and others that were grazed. We then spoke to Anita to answer any questions on the presentation and other things that were sorted out.	Listening to the talk Martin gave about the history of the farm it gave me an understanding of how quickly that policies can change and that uses of areas like the farm can change overtime. It also helped me improve my identification skills as Pete and Martin are excellent Botanists meaning they were able to give us advice on how to improve these such as, by distinguishing things with a feature that no other plant has. This experience gave me an in depth understanding of why chalk grasslands are important as they promote a greater biodiversity and how they actually can ensure this habitat can be managed.	10
12/07/17	Me and Sophie completed the Brands Heath compartment in the Studland Peninsula for the NT transects and mapping of heather age class from where we left of, then we moved onto a new compartment in Studland as well. We then helped Leon, Vicky and James complete their compartment. After this we went to Hartland Moor, where we did pollinator surveys with Liz, on this we walked along an assigned route, and then did 5 7mx7m quadrats in which we identified and species of pollinating plants. Then at each of these sites we timed 20 minutes and counted the number of different species of bees that came into the quadrat. When we were back at camp I had a talk with Liz and Vicky about what I was going to speak about in the presentation and how it was going to come across. Then I worked on this developing my points for what I was going to say and consulted with Vicky these final points and then created my slides for the powerpoint. I then inputted the data for the 2 sites that we completed at studland today via Living Records.	Doing the final transects enabled me to bring all the skills I have gained through the last 2 weeks to produce the best data I have from these transects and mapping of heather age classes. Going back out with Liz to do pollinating surveys this helped me develop my identification of the different species of bees and look at identifying plants in a different way as we needed to make sure that they were flowering to count them. I feel that my teamworking skills have improved as I needed to consult with Liz and Vicky to ensure that what I am saying in the presentation was relevant and portrayed the right way.	10
13/07/17	I started preparing notes for what I was going to say in the presentation in the morning, then when Anita arrived I spoke with her about the content that I was going to put into my part of the presentation. After this from the feedback that I had been given I edited my slides to the presentation and wrote up neat note cards for the presentation. I then spoke to Anita about what I needed to included within my report that I am completing about the time on Downs Farm. I then went back through all the maps that other people had done on Godlingston and Studland to check everything was able to be read, leaving out the ones I had done so someone else could cross check them. We then completed the Presentation to the National Trust.	I developed my presentation skills in many ways, one being setting up note cards to be effective to use within the presentation and another being my public speaking skills. Doing the presentation as a group developed them as we all consulted with each other to ensure that everything was done and all fitted together and the presentation had a good flow to it. Speaking to Anita about my report gave me understanding as to what I should write about and the structure it should follow. Checking through the data gave me the skills to ensure that data is usable to anyone that intends to analyse it.	7
14/07/17	In the morning we spent some time sorting through the data that we needed as logistics manager I spent my time trying make sure that the camp was packed fully and the campsite was left as tidy as possible before we left.	I gained organisation from making sure that the camp was tidy before we left.	4
		Total hours	107




	<b>Name:</b>	<b>Charles Alan King</b>		
	<b>Project:</b>	<b>Purbeck Heaths and Mires SERT</b>	<b>Hours completed so far:</b>	<b>163</b>
	<b>Role:</b>			
<b>Activity Log</b>				
<b>Date</b>	<b>Work completed</b>	<b>Skills and personal attributes gained or used</b>	<b>Hours worked</b>	
13/03/17	Introduction to SERT from Anita Diaz.	Intended outcome and method of SERT project clarified.	1.5	
20/03/17	Meeting with Michelle Brown to discuss SERT and allocate leadership roles within the SERT.	Methods of data sampling discussed, and allocation of roles helped the organization of individuals within the SERT.	1.5	
05/04/17	Setting up camera traps ahead of SERT to examine deer and cattle grazing at Godlingston Heath.	I learnt how to operate camera traps as well as where to situate them. I also learnt a lot about the local area and the conservation and management methods used to protect it.	6	
27/06/17	Creating visual documents containing information on ecology at Godlingston Heath, as well as maps which will be used during the Festival of Learning.	I have learnt a lot about the species present on Godlingston Heath as a result my species identification has improved. As well as my organisational and communicational skills.	4	
29/06/17	Meeting in the morning ahead of the SERT. We discussed the roles and the objective for the day and the kit was obtained and checked. We set out to Studland Heath and were shown how to map the heathland into degrees of maturity. Finally, we went to the camp and set up our tents, after receiving a tour from Michelle Brown.	I learnt research skills such as Heathland mapping. I can now confidently distinguish between degenerate, mature, building and pioneering heather and can use this information to map out an area of heathland.	8	
30/06/17	We had a presentation from David Brown regarding the LON project (Land, outdoor and nature). Details of the ecology and wildlife on the Isle of Purbeck were given and previous and upcoming projects to protect and conserve wildlife were discussed. Afterwards, Michelle Brown briefed us on the day's objective. We went to Godlingston Heath and mapped 4x4 metre quadrats in areas of dry heathland. We then observed the percentage cover and abundance of any species we found within the quadrats and whether there were any signs of grazing on the heather.	I learnt a great deal regarding the ecology of both the Isle of Purbeck and, more specifically, the wildlife on Godlingston Heath. On top of this, I can now confidently map an area of Heathland within a 4x4 metre quadrat. I also believe I am getting better at identifying some of the species found on the heathland. Furthermore, I am improving my ability to critically assess methods of collecting data.	8	
01/07/17	I have been working on the 'Captain's log'. So far I am up-to-date on the past three days. Ultimately I am summarising the activities of each day and writing about them at the end of the day. (The hours are accumulative)	I've realised this is a really enjoyable way to keep track of what we've been doing during the days. So this is helping me stay organised. Also, this is improving my writing skills, in a more relaxed manner, but it is relatively informative at the same time. A good way to keep track of days.	10	
03/07/17	Today we continued our Heath condition assessment on Aggleston South in Godlingston Heath. I worked with Lindsey and we assessed 3 sites out of 10. Afterwards we completed 7 sites on Brands Bog Heath as a pair. The other members of the team also did their own sections. Whilst assessing the sites we mapped the area and classified 25 metre squared as either mature, building, pioneering or degenerate. If the area had a mix of 70 to 30 percent of two different classes then both classes were stated and written in each square.	Heathland condition mapping is becoming a quicker process. Species are easier to identify as we have encountered many of them before. A few of the species we saw today were unfamiliar, but we used an identification book; therefore I am steadily improving my species identification. I think everyday will improve my ability to identify wet and dry Heathland species. On top of this, I learnt how to classify areas of Heathland and mark these areas on a map. I used the GPS a lot for this process and so I have become well acquainted with its function (more so than before).	10.5	

04/07/17	In the morning Michelle Brown taught us how to use Living Records after the meeting we used the time available to log some of the data into Living Records. We did this to get some practice and to catch up on the data we hadn't been able to enter previously. Afterwards we went back to Brands Bog Heath to collect the remaining four sites we didn't finish yesterday. Following this, we headed to Studland Heath Peninsula and mapped the entire Western Arm Heath. We also did five quadrats on this site (Heathland Condition Monitoring). After fieldwork I entered data into the Living Records.	I learnt how to enter data into the Living Records system. Furthermore, heathland mapping is becoming a quicker process. And finally, new species appeared on the Western Arm Heath, I have been trying to learn these and improve my species identification.	10.5
5/7/2017	Today we went to Godlingston Heath and conducted a bee pollinator survey with Liz, this consisted of five 7m x 7m quadrats in two separate locations on Puckstone Plateau South. We caught bees and recorded their species and presence as well as any flora within the quadrats that had flowered. Afterwards we replaced the SD cards and batteries in camera trap sites 40 and 41. We conducted heathland condition mapping in the area in which these camera traps were situated (Western Ridge). We also mapped the entire area. Results were recorded in Living Records.	I learnt about different bee species during the pollinator survey. My time management is certainly improving. All tasks were completed in the allocated time and we maintained a high level of accuracy during all the surveys we conducted.	10
6/7/2017	The team went to Slepe Heath on Hartland to collect data today. We conducted 15 NT Transects as a pair on Plantation Heath's F and G. We also did BU Squares on the Heath. We completed a BU square in Plantation Heath F. This continued from the BU Squares work that was conducted previously. A 20m x 20m quadrat was set out; within this quadrat, ten 2m x 2m quadrats were placed within its area and the percentage cover of the species present as well as substrate and structure characteristics of the area within each quadrat was recorded.	I learnt how to conduct the a survey that uses percentage cover as data (BU Squares), whilst I have done so before the set-up process was different and due to its accuracy I think the method is good to remember for future surveys. I believe I am improving my delegation skills. We also worked well as a team to resolve an issue that occurred during the survey. After the working day I entered 20 sites into Living Records.	11
7/7/2017	Remaining BU squares and NT transects were completed on Slepe heath today. I worked with Adam and we collected BU Squares data at sites 77, 81 and 82. As we completed all tasks early we went back to camp; here I entered the BU Squares data into an excel document which will be the document in which all data from each group is collated.	As we had more time to complete the task, we took more time to think and assess what we recorded. We looked closer for species that we may have overlooked on previous squares and although no new species appeared; we were more confident that the data we recorded was accurate. This is probably an indication that we are gaining confidence when doing BU Squares.	8
8/7/2017	I had a stall at Bournemouth University's Festival of Learning. I discussed with the general public the purpose of our research. As well as our methodology of both the BU Squares and NT transects, and what we aim to achieve through our collaboration with the National Trust.	Discussion helped me to assess the research we are doing. Revisiting the methodologies has reminded me of their processes (rather than just conducting them without thinking of the method in detail). Confidence when speaking to the public has improved and perhaps the manner in which I present information.	5
9/7/2017	Completed data entry for BU squares data collected on Friday.	Effective use of time, therefore time management is a skill I believe is improving.	2

10/7/2017	It was good collecting data in front of the camera traps. Doing so gave the context of the area in which each camera was situated. From this data we will be able to interpret what is affecting grazing in these areas. And whether it is down to the flora at all. We also learnt a lot about the species we are likely to found in mires which is a great improvement to species identification.	It was good collecting data in front of the camera traps. Doing so gave the context of the area in which each camera was situated. From this data we will be able to interpret what is affecting grazing in these areas. And whether it is down to the flora at all. We also learnt a lot about the species we are likely to found in mires which is a great improvement to species identification.	10
11/7/2017	Today we worked with David Green and Martin Hawes on Down Farm, we looked at chalk grasslands and observed the succession of the grassland as well as the huge variety of species that are situated there. We did quadrats at various locations in the grasslands and compared areas inside and outside of three fenced-off areas which limited the areas of grazing for two years. At the camp we discussed reports and presentation write-ups with Anita.	I learnt so much about a habitat I was not aware even existed. Further still I learnt a great deal about the species that rely on the area as well as the management methods that are used to preserve it. Although I have not completed it yet, I think it relevant to not that Anita and I evaluated the data recording methods that we have been using and discussed how we can present this data in a presentation. Therefore evaluation skills is an area I am improving as well as data presentation.	10
12/7/2017	We returned to Studland Peninsula and completed quadrats on Western Arm Heath. Afterwards me and Lindsey went to Plateau Heath North and conducted 10 National Trust Quadrats. We also mapped this area. To end the day the team went to Hartland and conducted another pollinator survey. I worked with James. I spent the evening entering data into Living Records and sorting through raw data in preparation for tomorrow's presentation.	Species identification in regards to bee species is improving. I learnt a lot about their ecology through Liz and James. Furthermore, the way in which we conduct NT Transects as well as map the different heathland areas is becoming more efficient. Species are far easier to identify and as I have worked with Lindsey multiple times during this placement we are able to communicate very effectively. It was also great working with James for the first time.	11
13/7/2017	Today we made preparations for the presentation in the morning until the presentation that occurred at 3:00pm. My part of the presentation discussed the data we had collected when conducting National Trust Transects. I displayed this data visually, using a 'traffic light' system. We did the presentation as a team.	Organisational skills were improved as I had to sort through and collect the relevant information from the raw data. Presentation and public speaking skills were also improved. The manner in which I presented the data was a good way to show the average bare ground, dead houter and grazing in each area that we investigated.	8
14/07/17	We sorted through any remaining data and ensured it was all recorded onto the relevant database. Furthermore, the maps were checked and corrections were made to parts that were not labelled clearly.	This improved organisational skills. All raw data has been collected so the data is backed up. It has been seperated into different folders for the different projects. And all of the data has been put onto a database.	2
17/07/17	I typed up my 'captain's log' onto a powerpoint presentation so that it can be posted online. I corrected any faults and errors that were made in the first draft of each log.	I focused on clear presentation and effective time management (these hours are yesterday and today's hours combined).	5
20/07/17	I have begun the report for the NT Transects. I have written the introduction and method for the report. And I have begun creating graphs from the data.	Data presentation as well as report writing are areas I am improving.	3
21/07/17 - 23/07/17	For the past few days I have been creating graphs and tables to present that data from the SERT. This will be used in the report.	Data presentation on Microsoft Excel. As well as analysis of linear regression.	6
24/07/17	More graphs have been created for data collected on Slepe Heath, I have begun to analyse this data.	Data presentation and data analysis.	4

29/07/17 - 03/08/17	In this time I have completed the report; I wrote the discussion, summarising the data; I included specific pieces of data and suggested methods of management for Godlingston, Studland and Slepe. This was to demonstrate how the data can be used when determining management schemes. I spent a lot of this time researching previous field reports that studied similar aspects to the research we conducted so that I could support my discussion.	This has definitely helped with report writing; this is the first full report I have completed. Aspects such as analysis of data and drawing conclusions are skills I have improved. Time management as well. I completed the report with ease (no rushing) and with time to check through and amend some of it. General knowledge of heathland management schemes through reading reports, has improved.	8
			Total hours 163


	<b>Name:</b>	<b>Victoria Brayford</b>		<b>Hours completed so far:</b>	<b>142</b>
	<b>Project:</b>	<b>Purbeck Heaths and Mires SERT</b>			
	<b>Role:</b>	<b>Activity Log</b>			
<b>Date</b>	<b>Work completed</b>	<b>Skills and personal attributes gained or used</b>		<b>Hours worked</b>	
13/03/2017	Today we had a meeting. What was discussed, was a general introduction to the SERT and what well will be doing. We had introductions to our team meets and talked about what job roles needed to be assigned.	Improved speaking and listening skills. Improved note taking skills. Gained confidence when introducing myself to the team and learning about teammates.		1.5	
20/03/2017	Today's meeting involved talking about the SERT in more depth. A member of the National Trust team came to today's meeting to tell us more about the site and what we are expected to do in the field and how to do it. What facilities we will have at the campsite was discussed in more detail today, such as WiFi by the tents and an onsite shower. Job roles were assigned today. I am in charge of vlogging.	Improved speaking and listening skills. I gained more confidence when I put myself forward for taking the vlogging job role.		1.5	
29/06/2017	This morning began with a briefing at Bournemouth University. This included a run down on what we would be doing in the field today. Due to teammates dropping out, we needed to reassign job roles. Whilst this happened it became apparent that new job roles have occurred. I am now in charge of the comparison report and organizing the presentation. Then we gathered equipment from the stores such as cooking equipment. We then packed the mini van and arrived onsite to have a mini brief then progressed further in the field. This was our training day and as such we were briefed on the different age classes of heather. We also did plant identification skills. Next we went to the campsite and we had a briefing and a tour of the site and a run down of what is available to us. Finally we set up the tents and finished our day.	I have gained plant identification skills. I gained confidence when I place myself forward for the new job roles. Improved organization skills when I set up my tent and belongings.		8	
30/06/17	Today we had a meeting and presentation from David Brown. During this presentation what was discussed was some background information on various sites, and what the National Trust has been doing as an organisation. We were informed on the LON scheme by Laura Portman. Then we walked to Gollingston, which is where we would be conducting our surveys. We were introduced to the Here app. Unfortunately my Here did not work. We selected two sites to survey as a team, then we branched off into our pairs. During our time in the Heath, we were introduced to how to use the National Trust survey paper. We looked at how to correctly record data and how to set up the quadrat correctly to conduct a survey. We became acquainted with using GPS today. I am in charge of writing the comparisons, so whilst we were using the National Trust record sheet, I was taking down notes from the group. Once field work was done we reconvened and went back to base for a final run down.	Improved knowledge on how to use a GPS, setting up a quadrat and correctly recording data. Improved constructive thinking whilst making improvement notes. Confidence and speaking skills improved today when I gave suggestions for what the DAFOR score could be.		8	
01/07/2017	Today I wrote down some diary entries, to be added to my IWAS.	Improved writing skills.		1	
02/07/2017	I continued to write diary entries to be added to IWAS when I have the internet.	Improved writing skills.		0.5	
03/07/2017	Morning briefing on what we would be carrying out today. Then we went to Godlingston with our allocated sections to carry out National Trust surveys and heath age class mapping. I was working with Sophie, and we were allocated Puckstone Plateau South. I sat us down and planned out our route, using the map and Sophie's Here app. I worked out a quick and effective route, to ensure that we collected good usable data. Once we finished we returned to base. As we did not have the training on how to input the data, we handed our sheets to Charles for safe keeping.	Greatly improved navigation skills today. I improved my analytical thinking by observing the vegetation in the quadrats and surrounding vegetation for the mapping. I have become quicker at using the GPS. Teamwork skills have improved today, as myself and Sophie worked very hard to keep our motivation up and to ensure that the data we were collecting was usable. Myself and Sophie improved our discussion skills as we would rarely stop, but when we did, we discussed points of view and ensured that we were staying within our section.		8	

04/07/2017	<p>This morning started with a training session on how to use living records. I was not able to bring my laptop, which I see now is more of an issue than I first anticipated. None the less Anita fourtantley let me borrow her old laptop. It was working fine, at time fasters than some of the up to date models, however it just was not goo enough for inputting data on living records. So Sophie and I used her laptop to practice inputting data. Throught the morning I became acquainted with living records. I founf this to be straight forward and easy to use. In the sapre time we had I used my phone and the WIFI to update my IWAZ, however this was a pain, as I would type a passage then it would delete what I had just written. This was frustarting and resulting in myself only completing 3 days of entry. Then myself and Adam completed Spur heath in Studalnd, by maping and carrying out 10 quadrats. When we got back to base we had a briefing and then I started to input the data that I had collected during the day.</p>	<p>I gained new knowledge on how to use living records. On the evening I improved my new found knowdge further by improving how effciently I input the data onto the system cutting down on time spent inputting the data. Carrying out surveys my analytical thinking improved and by working with Adam I gained knowdge on how to collect data for the heath age class maps. I improved my navigational skills today.</p>	11
05/07/2017	<p>Pollinatrs was this mornings task. We had a short traning seassion with Liz and practiced our techniques on how to capture bees.I was then partnered with James and carried out the pollinator survey. To do this we needed to measure out a 7mx7m quadrat and then carry out a score for how many plants had flowers on. Then we set a timer for 10 minutes and we each surveyed the quadrat to find out how many bees and what species they were. All information was then makrked down on the record sheet. We carried this out for 5 sites. Once we had finished with our bee survey, we then moved onto carrying out out 10 National trust quadrats and mapping in our sectoin of Godlingston. Once back at camp I entered in some data.</p>	<p>Gained new knowledge on how to identify bees and how to carry out a method of pollinator surveying. I continue to improve my analytical thinking and navigational skills. Improved team work skills.</p>	10
6/7/2017	<p>We went to a new location today Slepe heath. It was at this site that we learned how to carry out a BU SERT square. This is using 4 canes 1 with a pink string and 3 with green string. I had to find North using the GPS then fully extend the pink string in the direction of North keeping as accurate as possible. Then the remaining strings were to be lead to the othe compas points. Once done myself and Leon carried out a whole site DAFOR score and then 10 2mx2m quadrats but using percentage coverage. When we had finished we the went to carry out 10 National Trust quadrats, however we were unable to complete our 10 due to time restarints, so we helped out Sophie and Lindsey to finish theirs. Once back at camp I entered in more data.</p>	<p>Learned how to carry out and record BU SERT sqaure infomation. Improved navigational skills. I mproved analytical thinking. Improved team work skills.</p>	9
07/07/17	<p>We returned to Slepe heath today myself and Leon finished off our Natiaonal Trust sqaures from yesterday. Then We moved onto a new site, unformatley the new site was dominated by bracken. Despite this Leon and I ventured into the bracken to ensure that we could complete the work to our best standards. We set up the BU SERT square took picturres from each compass point and left. We then carried out 10 National Trust quadrats. Once we finished feildwork we went back to the campsite and entered in data.</p>	<p>Improved team work skills and we had to rely information and triple check that we were in the right place, in the acre of bracken. Improved analytical skills and improved GPS skills.</p>	9
08/07/2017	<p>Today I went offsite and recored some vlog fotage</p>	<p>Improved confidence, as I was vlogging and am shy. I have built more confidence int recording footage.</p>	0.5
10/07/17	<p>We looked at camera trap and bee nestbox's at Godlingston. We learned how and where to take quadrats in front of the camera trap. We worked as a whole group for the first 5 camera traps using a 2mx2m qaudrat to take a DAFOR score. Then we moved onto the mires where we learned some moss identification and about other plants that are to be found in the mires. We did the first 10mx10m quadrat as a whole group then we broke off into our mini groups. Myself Leon and Charles worked together to take 3 10mx10m quadrats. Then once we had finished we then went to a camera trap. Myself and leon caried out the quadrat whilst Charles was retrieving the SD car and replacing batteries, this was done to save time and worked effciently. When we finished with the camera trap we then walked back to base. I Continued my comparrison repot on the evening.</p>	<p>Gained new identification skills for moss and other plants such as bog bean. Improved team work skills as we worked as a 3. Improved analytical thinking on data recording and how to safely navigate through a mire.</p>	10

11/07/2017	Today we went to a new location to learn about chalk grasslands and the type of flowers and grasses that grow there. This talk was given to us by two gentlemen Martin and Peter. We learned how to identify new plants and grasses. We discussed management strategies and how they can affect the vegetation, we also had several examples of the effects of different management strategies to base what we were discussing. We carried out 2mx2m at various sites and compared results. once done in the field we went to the museum the Martin has spent time building.	I have gained new plant identification skills. I have improved my thinking of management strategies. I have broadened my way of thinking.	10
12/07/2017	Myself, Leon and James went to Studland today, and we were given two compartments to complete, as we have finished all of our previous compartments. Once in our compartment I divided the 3 of us into job roles. I was to go around and do the heath age class mapping and then come back to the guys to help once I had finished. I did so and went back to help them carry out the National Trust surveys. We then established that others were finishing, so we waited to meet the teams who had finished, which were just Sophie and David. Ourself and Liz divided the teams, to help us finish our last compartment James and Leon did 5 quadrats on the South side, whereas Sophie and David did 5 in the North region. I however continued my mapping and once I had finished I helped Sophie and David as I had finished mapping from South to North. Once done we rounded the teams and headed to Heatland to do a pollenatir survey. This time I was paired with Sophie and Leon and we got the work done quickly and efficiently, I recorded the results whilst the pair shouted out what specimens they found. We reconvened at the mini van and went back to base. At base myself and Liz went through with the whole team one by one on what they could include and a briefing of the order of who is going up to present. Once this was done I went over my notes for the presentation and entered in data onto living records.	I improved my team and leadership skills by dividing out jobs, also by planning the order of who would be presenting for the presentation. I improved my analytical thinking. I improved my organization skills by organizing details for the presentation. I have gained confidence by being able to ask the others about their thoughts on the presentation.	14
13/07/2017	This was the morning of the presentation. I spent all morning writing my section further and typing up my slides onto powerpoint. I also gathered everyone's powerpoints and combined them onto one powerpoint. I organized the slides and ensured that they were uniformed. Once done I headed into the presentation room and gave the presentation. Once the presentation was myself, Leon, and Liz went for ArcGIS training with Michelle.	I greatly improved my confidence today, as by presenting my slides and leading the presentation it has given me a huge confidence booster. My organization and time keeping skills improved today as I had to gather everyone's powerpoints and combined them to a deadline. I feel that my teamwork skills had improved by talking to everyone about their presentation slides. I gained new knowledge on how to use ArcGIS.	8
14/07/2017	Today was a pack up and get all last bits and pieces done day. Leon and I had a discussion with Anita of what we needed to do for our 5 week placement. Once we had finished I left the site with Sophie.	I improved my listening skills, as I was paying attention to what Anita was saying in regards to what is needed to be done for the 5 week placement.	2
17/07/2017	I entered in some of my IWAZ hours and diary, as I didn't have a laptop to enter this on the campsite.	Improved typing skills	2
18/07/2017	I entered in some of my IWAZ hours and diary, as I	Improved typing skills	2
19/07/2017	I entered in some of my IWAZ hours and diary, as I	Improved typing skills	3
20/07/2017	Today I had a training day with Liz in regards to using ArcGIS. We went over how to use it and I managed to complete one map compartment. I half completed a second compartment, however there were some issues in regards to binding the data, so I will discuss this with Liz on Monday. One final note, some of the maps are missing coordinates, therefore I am unable to complete them. I am disappointed in myself for not noticing this before Liz left, this is also another point that I will bring up on Monday. I then completed my IWAZ for today.	I have greatly improved my knowledge using the ArcGIS and drop box on google. Once I became acquainted with the software I found it to be relatively easy, however it is very time consuming. I do enjoy using this software, as the more I use it the more I understand it; Despite this though, I have encountered some technical difficulties today, which resulted in an uncompleted compartment.	8
24/07/2017	Any issues that I had last week has now been resolved as Liz showed me what to do. Today we went over how to use ArcGIS in more detail and looked at how to upload the files in more detail. Any query was resolved and I have been given my full training on how to produce the heather age class mapping data.	I have greatly improved my knowledge using the ArcGIS and drop box on google. I am more confident with the software and feel that I can train Leon in September. I feel that personal skills have improved such as inputting data into ArcGIS and recognizing data quicker than before.	7
25/07/2017	Today with my new found confidence for the ArcGIS software I completed another Map compartment.	I have improved on my existing knowledge on using ArcGIS. I am confident to deal with the issues that I dealt with today, such as my files in my C drive, users, all files have gone missing, however yesterday I made copies in my personal drive s4921375, so I used these and any that I needed from dropbox. By training with Liz, I can now say that I am competent at using this software as I have followed her instruction and guidance paired with my own initiative.	3


26/07/2017	<p>Today I have almost completed exporting another map compartment, however I have experienced an error whilst trying to export the data and key to my driver, to then upload to google. I have completed the compartments data and joined it. I have tried to work around the error, but have failed. I have emailed Liz a screen shot of the error, hoping she may have a suggestion. The only other thing I can think of is to re-do the entire compartment. Until I hear back from Liz I will complete the other compartments and save today's one until last, to hopefully save myself from repeating the same map again.</p>	<p>I have improved my keyboard skill, such as copying and pasting much more quickly. I continue to expand my knowledge on ArcGIS, however I can not seem to overcome the error I have encountered today.</p>	5
			Total hours 142



	<b>Name:</b>	<b>Leon Fletcher</b>		<b>Hours completed so far:</b>	<b>150</b>
	<b>Project:</b>	<b>Purbeck Heaths and Mires SERT</b>			
	<b>Role:</b>	<b>Activity Log</b>			
<b>Date</b>	<b>Work completed</b>	<b>Skills and personal attributes gained or used</b>		<b>Hours worked</b>	
20/03/17	Initial planning			2	
29/06/17	Helped finalising the roles of the team, had a briefing of the plan for the day, assisted with packing up the field equipment and camping gear into the minibus, travelled from Bournemouth University to Studland, was introduced to the Studland site and briefed on how to identify the age stages of the heathland along with learning about a few heathland species, travelled from the Studland site to the National Trust Purbeck Head Offices where we set up camp and organised the shopping list to last us until Monday.	Identifying some species in the heathland, learnt about the Near Her We Go App, helped to identify the age stage of the heaths, organisation		10	
30/06/17	Attended a briefing for the day ahead, Recieved an introduction lecture about what the Nation Trust does in Purbeck, recieved another short briefing on how to go about today's surveying, walked to the Godlingston site from the campground, got a bit of training on the 4m x 4m quadrats and what data to include (such as DAFOR rating of species, GPS Grid Reference, ground cover, livestock signs etc.), performed two quadrat readings as an entire group, helped come up with ways the datasheet could be more useful/easier to record onto, split into pairs to perform two more quadrat readings, had a ten minute walk around the wet heaths to brush up a bit on plant identification in that particular type of habitat, walked back to the campsite.	More plant IDing, training on the NT Purbeck quadrat recordings, TEAMWORK!		9	
03/07/17	Attended a short briefing for the morning task, and then walked to Central Ridge of Godlingston where the group was split into four sections of the compartment to take 4m x 4m quadrats, recording the DAFOR score and other results (similar to Friday's quadrats) we walked back to the camp for lunch and then received a briefing for the afternoon. Each team had to do ten 4x4 quadrats in a different compartment, my team went to Puckstone Plateau North. As well as doing the same quadrats as before, we also had to map out the Heath age classes of the entire compartment on a 25m x 25m grid map. We then went back to the campsite and sorted out the shopping for the week ahead.	Solidifying plant ID more, working in a team, practicing the heathland age mapping, navigational skills.		8	
04/07/17	started the day with a training session on using Living Records to enter our results. We then spent the entire morning inputting all results we collected from the previous days were entered into the Living Records Database. After the data entry, we went back to Puckstone Plateau North to finish up the last four quadrats we were not able to finish yesterday. When we returned to the campsite, we recieved a little briefing on what's happening tomorrow, a bit regarding camera traps, and then I finished entering all the data from the past week.	Training in inputting data onto the Living Record database		10	
05/07/17	In the morning, we recieved a briefing on how to identify some common bumble bee species such as <i>Bombus terrestris</i> Buff-tailed Bublebee. We also learnt the best way to capture a live specimen in a 50ml centrifuge tube (or any tube really). After we had a closer look at some bees Liz caught, we walked to Goddingston's Central Plateau compartment to catch and identify some bees ourselves. We then split up into new groups, I was with Adam, to do five bee transects (per pair) on Central Plateau. During this we made a 7m x 7m quadrat and recorded an estimate of how many heath plants are flowering, and then a survey of how bees were found within the quadrat. After me an Adam completed our five bee transects, we then went on to do the National Trust Transects and, like before, we also recorded the heath age classes on a 25m x 25m grid map of our compartment, Central Plateau. After we finished out quadrats and walked back to camp, I entered in all the data from the National Trust transects.	I can now almost confidently ID <i>Bombus terrestris</i> and <i>Bombus lapidarius</i> (Buff Tailed and Red-Tailed Bukblebee respectively). Working with someone different also helped me adapt working with different people		8	


06/07/17	In the morning, we drove up to Sleppe Heath in Hartland, where we received a briefing on a new type of transect, SERT Squares. For SERT Squares, we placed a pole at a designated GPS Coordinate, and strung a 10m piece of string from the pole in each main compass direction to create a 20m x 20m quadrat. We then haphazardly chose ten areas within the large quadrat to take a 2m x 2m quadrat where we recorded % cover of different plant species (as well as disturbance and natural litter), presence of animal dung, and minimum/maximum/mean heights of the vegetation. After that, we also had to take DAFORN records of the 20m x 20m square. I also had to take photos of each of the compass directions of the middle of the SERT Square. The first SERT Square was performed by everyone together as training, and then we were split into pairs to do one in each compartment, as well as to take ten NT Quadrats (without the mapping). Today I was paired with Viky and were sent to Plantation Heath E. When we got back to camp, we both entered our data from the NT Quadrats into living record. I also created folders in the SERT's Google Drive so that everyone can upload their SERT Square photos for me to collate. I started to gather the photos for the PPT.	Learnt how to perform SERT Squares, created an area for people to upload their SERT Square photos, developed my IDing skills. Now I feel a lot more confident for identifying recurring dry heath plant species.	11
07/07/17	We drove to Sleppe Heath again in the morning to finish our NT quadrats in Plantation Heath E. After that, me and Vicky then went to Plantation Heath H to carry out a SERT Square at site 76. Afterwards, we went around the compartment to carry out 10 more NT quadrats. When we arrived back at camp, Anita briefed us on how she wants us to electronically record the SERT Square results we had gathered. We also grouped together to discuss our roles to ensure that we were all happy, as well as to collate all the raw data we have already recorded electronically to Charles. After that, I inputted the data from the NT Quadrats (both today's and yesterday's) onto Living Record and gathered more pictures from the SERT Squares.	More planning, IDing, surveying, and data entry	9
08/07/17	This morning I transferred the data gathered from the SERT Squares into the spreadsheets Anita provided	More Data entry	1
09/07/17	I spent a couple hours today organising all the SERT Square photos, and then displaying them on a grid in PowerPoint	File sorting, PowerPoint	2
10/07/17	In the morning, we drove to the other side of Goddington where we stopped by a camera trap to change the SD card and batteries. Unfortunately it turns out that the camera traps will only accept Lithium batteries, and not the rechargeable ones. At the camera trap, each team, I was with Charles and Vicky today, took two quadrats in the direction the camera was facing in the style of the SERT Square random quadrats, I also took a photo in the direction the camera was facing for later reference. We did this with three other camera traps around Goddington. We then went to the Mires to have a little briefing on identifying some bog plant species. We took NT quadrats in the mire. Each team took a further three quadrats in the mire. Me, Vicky, and Charles then went to one more camera trap to change the SD card, take five SERT quadrats, and a photo from the camera's view. We then walked back to camp and recorded the data from today.	mire plant IDing	8
11/07/17	In the morning we drove down to Down Farm where we met with Peter and Martin. They took us on a tour around the sites and taught us about their management techniques for chalk grassland, as well as helping us ID chalk grassland plant species. We put this information into use by taking quadrats around the different sites and to simply find out how many different species of Forbs and grass there are. Later in the afternoon, Peter and Martin were kind enough to let us visit their museum of local artefacts and excavations. After driving back to camp, each of us had a little briefing with Anita to get a bit of guidance on our roles and what we are presenting on Thursday.	Grassland plant IDing	10

12/07/17	Today was our last day of fieldwork for the SERT. We used this opportunity in the morning to finish off surveying the Studland for the National trust. Me, Vicky, and James focused on NT Quadrats and mapping on the Plateau Heath South and Curlew Heath compartments. After that we returned to camp for lunch. In the afternoon, we travelled to Slepe Heath in Hartland to take on a few more pollinator surveys like I did with Adam last week. Today, me, Vicky, and Sophie took five 7m x 7m pollinator quadrats. When we got back to camp, Liz talked to each of us individually to just catch up on everything we are presenting tomorrow. I then spent the evening recording my NT Quadrats data onto Living Record	I can confidently ID buff tailed bees, red tailed bees, and honey bees	11
13/07/17	This morning was spent entirely of finishing up entering any loose ends of data and finishing up our mini projects to present to the National Trust. I put my photos into some powerpoint slides and worked with Lindsey to see what data I can relate to my photos based on the SERT Squares. I also helped Vicky copy over everyones slides into one presentation. At 3pm, we presented our slides. Me, Vicky, and Liz then got a bit of ArcGIS training with Michelle, so that we could fill out the heath stage maps electronically.	Received some ArcGIS training	8
14/07/17	This was the final day at the National Trust Campsite. We all packed away our tents and belongings, as well as ensuring the campsite was exactly how it was before we arrived. We also ensured that we had all files, photos, and other bits and pieces compiled together. We then drove back to Bournemouth University	Organisation	4
31/07/17	Spent an hour filling in any gaps in my IWAS, and also completed my personal statement		1
28/09/17	Started to transfer the heath stage maps to GIS. Received help from Vicky, and Liz's training document on creating fishnets and exporting data.	Started to develop some skills on ArcGIS	9
29/09/17	Continued to create more heath stage maps onto GIS		9
13/12/17	Continued to create more heath stage maps onto GIS. Encountered a permission error which prevented me from saving my maps so I needed to start some of them again. IT were able to help me diagnose what was causing the error		10
14/12/17	Finished creating heath stage maps on GIS		10
		Total hours	150

	<b>Name:</b>	<b>Sophie Emms</b>		<b>Hours completed so far:</b>	<b>109</b>
	<b>Project:</b>	<b>Purbeck Heaths and Mires SERT</b>			
	<b>Role:</b>				
<b>Activity Log</b>					
<b>Date</b>	<b>Work completed</b>	<b>Skills and personal attributes gained or used</b>			<b>Hours worked</b>
13/03/17	Introduction to the SERT by Anita. We discussed the aim of the project and how it has worked in previous years and that we would gain over the two weeks. There was also lots of discussion on what roles would be available.	I gained knowledge on what is involved in research and the scope of the experience i could gain from getting involved.			1.5
20/03/17	Meeting with Michelle Brown from the NT				1.5
05/04/17					8
					8
29/06/17	Meeting in the morning in preparation for the SERT. Roles within the team were clarified and kit collected for the two weeks ahead. Afternoon we headed to the heathland at Studland, for a briefing on the methods that we will be using while out surveying the field. A brief introduction to plant identification in heathlands and a walk around to learn how to classify the different heather age classes.	Addition to plant ID skills			8
30/06/17	Introduction meeting by the National Trust including information about the Isle of Purbeck and Goldingston Heath which are to be our areas of study for the project. Brief history on the National Trust Strategy; giving reference to 'The State of Nature report.' We were also informed of the main objectives of the program designated to Purbeck; a 'Nature Improvement area'. Starting in 2017 contributing research is to be part of a long-term monitoring program for priority habitats across the Isle of Purbeck. The new National Trust method of surveying is to be rolled out across the board in order for more uniform data collection which can be used as part of the management plans. We were provided with satellite maps with all the compartment boundaries. General information about the different zonations across the habitat e.g the whereabouts of the chalk ridge was included in the discussion. On this project, our research concentrates primarily on Dry Heathland, there are however areas across Purbeck that are Myers.	Learnt how to classify heather age and added to my base knowledge on Ecology of Myers; Sphagmen moss (Peat moss) as an ecological engineer.			8
03/01/17	We headed out to Godlingston Heath to complete the first surveying of compartment – 'Agglestone South'. Initially we started as a group of 8 to complete two 4x4m quadrats. We then completed three more quadrats in pairs. Each time we filled in the National Trust (NT) survey form, noting down the GPS point. The survey form included classifying the species present under the 'DAFOR' scale, heather age class, and percentages of grasses, lichens, mosses, Bracken, Gorse, dead Heather and Bare ground.	Note: there was no Bare ground included on the survey sheet, this was noted as an improvement to relay back to Michelle at the NT for improvement of the survey form. During the first two quadrats as the group of eight there was a lot of bartering to reach agreed percentages and classification under DAFOR. This required my personal attributes such as communication skills, honesty, flexibility and my ability to work as part of a team and keep good moral within the team. Technical skills with using a GPS and map reading skills were used today.			8
04/07/17	The morning started with a training session on how to enter data into 'Living record'. We then added the data that we had collected over the last few days. Heading to Studland Peninsular in our new assigned pairs we completed NT transects (compartment: Brands Heath with David) as well as mapping the heath age class in 25x25m squares as we went. David and I realised that the compartment was quite a distance in length, we completed six out of 10 quadrats. Back at camp Davis entered the data in living records to which we had agreed I would enter the next four lots of data once they were completed. The team was also given a run down on how to setup camera traps, of which I have come very familiar with in months previous, having set them up over Studland I have been assigned leader for the camera trap project.	Having used Living Records on my previous work placement at Hengistbury Head I was familiar with the process. It was enlightening to learn that this data system is used far and wide across different organisations. This has inspired me to go out and do my own data collection having seen how this data can contribute greatly to conservation plans. Anita had advised that we switch pairs for data collection today as it is always good to work with new people both for practical aspects of team work (speed of teams differ so switching partners can help with time management) and personal skills such as communication. From my previous career in retail I am very familiar with working and communicating with people from different walks of life and I find it very enjoyable. Being in a field however is quite a different setting, one which I welcome very much.			10

05/07/17	<p>Today we surveyed for Bees, it was not only inspiring but rewarding also. The morning started with Liz ('The bee expert') introducing us to different species of Bee which she had collected in specimen pots early on the heath. We were given handouts and ID cards and headed to Central Plateau compartment of Godlingston Heath. The method used was a 7x7m quadrat and a given time of 10 minutes to count and ID bees within the quadrat. The survey sheet included ranking the number of flower heads. First, we completed one as a group where Liz showed us how to harmlessly capture a bee using a specimen pot. In new assigned pairs we were given the area on which to complete five quadrats. During these quadrats that I completed with Charles I managed to capture a bee species that I had not seen before. Having taken a photo to help with ID, Liz managed to identify it as being a <i>Bombus humilis</i> (Brown-banded Carder Bee). A species that is not common it was a special find. The task for the afternoon was to head out to camera traps 40 and 41 to change the batteries and SD cards in the camera traps. We mapped the area of heath age class using the gridded map with the 25x25m squares and conducted 5 quadrats.</p>	<p>Today I have seen much improvement of my ID skills, both of plants and bees. I am now much more familiar with heathland plants which enables me to carry out quadrats much quicker with good accuracy. From, my experience today and previous advice from experts I have learnt that noticing the differences between species is an effective way to enhance my ID skills. Today this technique has proved effective in finding an uncommon species of Bumble bee.</p>	9
06/07/17	<p>Today we headed to Slepe Heath to conduct BU SERT squares, a technique of surveying that has been used 2 previous years running to monitor the changes across the heath. Anita introduced us to the method- a 20x20m transect on the GPS points of the previous surveys. This was set out using canes and string and each species present within this square were classified under DAFOR (although we found it easier to do this after the ten 2x2m quads). Then Ten 2x2m transects were conducted within this area. We were sent off in pairs to different compartments with the given GPS points which unfortunately we later realised were incorrect. Instead we completed ten NT transects within plantation Heath A. Data was entered when we got back to camp.</p>	<p>Today required map reading skills when it was realised the GPS points were incorrect. Despite this mishap, I adapted to changing situations and quickly, and we formulated a plan B with the help of Liz. With a little help from other members of the team, Lindsey and I managed to finish our 10 NT quadrats, despite losing a lot of time trying to locate the area in which we were supposed to be conducting the BU SERT squares.</p>	9
07/07/17	<p>Today we returned to Slepe Heath with correct GPS points to complete the BU SERT squares. This method of surveying with the 2x2's was much more in depth than the NT survey technique as classified species within them were recorded as % cover. We were also required to take photographs of from the middle of the 20x20m square in directions North, South, East and West to record the structure of the landscape and vegetation. In addition, we conducted ten more NT quadrats across our compartment (78). Back at camp data was entered into Living Record and data from the BU SERT squares into an excel document.</p>	<p>The BU SERT survey technique used today required more in depth and careful logical thinking. All species present inside the quadrat had to equal 100%, unlike the NT squares where % cover of different species, are recorded independently of each other (therefore added up they can go over 100%) It required honest and good communication skills between Lindsey and I to achieve this. Critical thinking was needed throughout as we quite often realised our recordings weren't going to equal 100% if we didn't adjust accordingly.</p>	8



	<b>Name:</b>	<b>Adam Pickles</b>		<b>Hours completed so far:</b>	<b>104</b>
	<b>Project:</b>	<b>Purbeck Heaths and Mires SERT</b>			
	<b>Role:</b>				
<b>Activity Log</b>					
<b>Date</b>	<b>Work completed</b>	<b>Skills and personal attributes gained or used</b>		<b>Hours worked</b>	
18/05/2017	Meeting with Anita. Discuss the practicalities of the work that we were about to carry out.			2	
26/06/2017	Surveying heather growth stage of Studland. Using observational survey techniques to accurately map the growth stages of heather across the studland peninsula. By conducting this early reserch it allowed for me to evaluate the practicalities of the method and equipment used, I could then raise these issues and attempt to account for these.			6	
27/06/2017	Compiling data; ensuring data set was correct and complete.	Organisation skills and data handling skills to ensure that no data was missing and that the previous days survey sites had been completed. Evaluation of methods was still being carried out.		3	
28/06/2017	Surveying heather growth stage of Studland. As with 26th. Using observational survey skills to accurately map the heather growth stage of Studland peninsula			7	
29/06/2017	The first day of the formal SERT placement. Briefing, driving, introduction to heather stage mapping, introduction to camp and setup. The first day of the SERT was dedicated to the organisation and introduction to the work that we were about to be carrying out. During the mornings presentation the aims of the forthcoming weeks. By doing this we can ensure that everybody was on the same level of understanding, this would later help the SERT run smoothly. Following the survey, I drove the group for an hour to our survey site at Studland. I elivered an introduction to the group about what I had been oing on the days prior to the formal commencement of the SERT. Following this introduction, I believe that the group had a better understanding of how, as a group, we would be surveying heather growth stages. Using interpersonal skills to ensure that I was delivering information clearly and to ensure that each individual within the group was confident of reasons we weree surveying this area and the practicalities of the method that was currently being used. Following the introductio to our survey area and techniques we then proceeded to our campsite and recieved a safety briefing for the duration of stay at the site. The camp was later set up. At the end of this day we had decided that there were som flaws with our methodology that could be adressed.	Interpersonal skill, plant identification skills, data handling and organisational skills, evaluative skills.		10.5	
30/06/2017	A presentation was presented by the National Trust addressing their current aims within the isle of Purbeck and how our efforts duing the SERT project are part of these. Following the presentation we discussed the methods that we would be implementing in order to collect data. we adressed the issues that were present with the heather growth stage mapping. After this discussion we then headed out to Godlingston heath to conduct habitat compartment mapping.	Observational skills, plant identification skills, interpersonal skills, data handling and interpretation skills.		8	
03/07//2017	This day was comitted to carrying out compartment habitat mapping. with each group being given different compartments within the Godlingston heath area. Time was aso dedicated to logistic activities, ensuring that the group had all the reseources required.	Timekeeping skills, teamwork skills, plant identification, data handling and organisational skills.		9.45	
04/07/2017	In the morning a presentation was given on the use of the living records database. this is where we would be inputing our data. time was then taken to record the data that had been recorded so far. The afternoon was then dedicated to conducting compartment habitat mapping.	Data entry skills, teamwork, plant identification, data handling.		10	
05/07/2017	The day consisted of pollinator surveying. carrying out more compartment mapping with a focus upon flower presence and the number of bumble bees in the immediate area.	Bumble Bee identification, timekeeping, data handling, teamwork skills.		9	
06/07/2017	The surveying of Slepe. A former plantation which is being restored to heathland. A combination of BU squares and National Trust transects were conducted.	Timekeeping, data handling, teamwork skills. Method problem solving.		9	

07/07/2017	Continuation and conclusion of surveying slepe. Using BU squares and National Trust transects.	Timekeeping, data handling, teamwork skills.	10
10/07/2017	Based at Godlingston Heath, surveying the mires as opposed to heathland habitats.later on carrying out checks on the camera traps, ensuring that they were still in place and functional whilst also changing the SD cards.	Timekeeping, data handling, teamwork skills, camera servicing skills. plant identification skills.	9.5
11/07/2017	Down Farm- A visit to the chalk grasslands of Down Farm. familiarisng ourselves with the different species and processes that are in place within the chalk grassland habitats as well as the threats and issues related to the conservation of chalk grasslands within in a griculatural setting. Carrying out basic observational surveys.	Plant identification skills.	10
		Total hours	104