Team

Purbeck Heath 16 SERT

Team activity overview	Hours
Laura Hewett	178.5
Alex Harvey	178
David Stanley	119
David Taylor	119
Miriam Treadway	118
Alice Todd	121
Emily Ford	105
George Cartwright	108
Samuel Leak	114

Name: **Laura Hewett**

Project: **Purbeck Heath 16 SERT**

Role:

Hours completed so far: **178.5**

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	19th May 2016	Viewed a site at Arne Nature reserve with Toby Branston (Dorset ecology manager) to discuss the site in which a vegetation survey will be carried out before some pigs will be allowed onto the site to graze it.	Building up contact with people at work in the real world. Understanding how to carry out a vegetation survey and its requirements. Listening skills enhanced. Team skills developed.	1
2	26th May 2016	Carried out a vegetation survey at Arne Hill situated at Arne Nature Reserve before some pigs are released onto the Arne Hill site. The survey was done to see the impacts the pigs have on the vegetation before and after their presence.	Team work skills, communication skills and Identification skills all used and put to the test whilst carrying out the vegetation survey. ID skills thoroughly extended as each individual different vegetation had to be accurately and correctly ID. Setting up the survey was critical and learning how to use a GPS correctly was gained.	8
3	1st August 2016	First day of the SERT project took place at the National Trust Currendon Hill where the base of the project will take place. Today was a detailed introduction of the procedure that will be carried out, including daily schedules, the aims, objectives and methods of the heathland surveys and woodland surveys which will be done throughout the placement. The day also allowed a general fill of what the project will in-tale, such as the importance of ID skills as part of the day involved collecting samples from both dry and wet heathland sites allowing knowledge of new species, previously not identified to be ID correctly this time.	Crucial Identification skills were enhanced and knowledge extended in learning the different forb, grasses/rushes, shrubs and mosses/lichen species that will be found upon woodlands, wet/dry heathland and mire habitats, all of which will provide a strong ability to do a vegetation survey. Listening skills used throughout to understand the quantity of information being given, whilst confident skills were gained by asking questions when not clear on the information. The importance keeping to the daily schedule will develop time keeping skills and punctuality whilst carrying out the data collection and also inputting the data. The introduction allowed new skills to be developed such as the importance of building contacts and trust with different organisations	7

4	2nd August 2016	Today included having a meeting with the team to ensure the heathland survey co-ordinates were ccorrectly put into the GPS so that everyone could find their survey points that was allocated to each team. The rest of the day was spent doing data collection on vegetation on 4 wet heathland sites and 4 dry heathland sites at Studland. This involved setting up a 20m x 20m quadrat (which crossed over at the centre point) using bamboo canes and 20m long pieces of rope attached. A separate bamboo cane was used with a flag on so that other teams surveying the site could easily find the 20m x 20m point. Within the area 5 random quadrat surveys were done on the vegetation, which included recording vegetation min, max and mean height, forb species, grasses/rushes, % flowers only, litter, dead wood, bare ground, water and the different levels of the vegetation such as less than 10cm or 30cm-1m etc. This was repeated for each 8 GPS sites.	Team work skills used to ensure the vegetation surveys were done sufficiently which was combined with Identification skills, working with a member and putting both knowledge together to correctly ID the vegetation. Ensuring other colleagues were ok out in the field. Motivation and self-esteem was required to ensure all 8 areas were completed and done to a high standard. Finally decision making skills were developed as deciding the order to do the 8 would be important in terms of efficiencywhilst being out in the field.	10
5	3rd August 2016	The day started with a brief introduction to ensure we were happy with the surveys that we had to do. This included a DAFORN scale on the vegetation of the whole site (20m x 20m) of the area plot that we were given and also a pollinator survey (walking along a transect line fo 10mins). With the pollinator surveys 4 pan traps had to be set up at each location. This involved having four different coloured plates, as insects are attracted to different colours, and then pouring a mixture of water and propylene glycol onto the plates (acts as a preserver and removes the wax layer so the insects can't get out). Most of the day consisted of being out in the field and completing the surveys. In the late afternoon a talk was given by David Brown (Head ecologist) about how the National Trust are trying to enhance wildlife conservation by creating corridors for species, i.e. connecting habitat together so species can move from one area to another, and working with farmers. The evening was spent entering the data that was recorded in the field into an excel recording sheet.	Decision skills were developed further to ensure all appropriate surveys were done in the most efficient way. (doing the locations in the most appropriate order). Communication skills, communicatingwith other team members on the SERT. Time keeping skills extended, ensuring all data is up-to-date.	11

6	4th August 2016	First task of the day was for me and a team member to take lead and distribute the site locations out evenly and in the most sufficient way, so when the SERT supervisor arrived all of the teams were ready to get on with the surveys. The role involved organising each 5 teams equally so that they had the same amount random quadrats, whole site surveys and pollinator surveys to do. Then the role was to ensure all members were happy and understood what the task in hand was. Out in the field it consisted of doing 20 random quadrat surveys, two whole site surveys, two pollinator surveys and one pan trap setup. This was conducted over 4 site locations. The day concluded with an interesting arachnid talk in the evening where we learnt about spiders, tarantulas, harvestman etc.	Problem solving skills was gained along with trust to do an important job within of the SERT placement. Identification skills were enhanced even more on the wet heathland. Organisation skills ensuring that each team had a set amount of surveys to do. Communication skills used.	10.5
7	5th August 2016	Before the main task of the day started me and a team member had the role of organising and distributing out the next load of locations for heathland surveys at Arne and Heartland. Once complete, the entire team met up with Michelle who gave an introduction on how to do deer monitoring. This included the type of signs to look out for and the method in order to complete the survey. To ensure we all understood we went down to the discovery centre where we had a mini trail of performing a deer survey. The actual deer survey done today by myself and two other team members occurred in 12 and 3 acre woodland (Studland). The day concluded on having a training session with Chris (Entomologist) on how to use sweep nets and how to successfully transfer an insect from the net to a tube and letting the other insects, not of interest, go with no harm.	Leadership skills further developed and used. Developing new skills such as the ability to do a different type of survey and to the style that the survey requires e.g. vegetation survey needs to be meticulous and thorough, whereas deer monitoring need a representation of whole site and therefore have to be less thorough. New skills of finding the right balance was required.	8.5
8	7th August 2016	Read through and checked the data collected on the Heathland vegetation survey, done during the week, for any errors, which were highlighted and corrected. Few hours were spent re arranging previous allocated site locations for Hartland.	Responsibility skills were developed in ensuring that all individual quadrats were correct. Leadership skills also further developed when sorting out site locations at Hartland. In general being sensible and when couldn't solve the problem with having several teams crossing over two sections at Hartland (this couldn't happen due to a ditch between two of the site points), waited and asked for help by the main leader the next day.	3

9	8th August 2016	A meeting with all the team was done at the start of the day to go through our individual quadrats done at studland to ensure they were all fine and if needed, corrected. Pan trap collecting and sweep net survey was then done at each of our allocated sites for studland, plus photos from North, East, South and West points from each site. We then all learnt how to set up a moth trap with Michelle Brown ready for the trap to attract the moths, so by morning we can analysis the species of moths caught. Me and two team members set of to do a deer survey on Studland Woods, monitoring the levels of impacts by deers in the wood. Once done me and my team member went out to Godlingston to do sweep net surveys and pick up pan traps/top them up. This was followed by having to re-do an individual quadrat down in Studland.	Refining skills so that during the deer survey not to much time is spent in one area of the woodland as the whole woodland site needs to be surveyed. Participation skills used in helping to sort out a slight problem with the moth trap equipment. Precision skills combined with team work skills essential when performing the sweep net survey, in order to ensure the hover flies/ other flies, were moved from the net into the tubes safely.	12
10	9th August 2016	Michelle Brown from the National Trust helped us with collecting the moths from the moth trap this morning. This involved carefully fishing out each individual moths from the trap, photographing them, Identifying them and then releasing them back into the wild. Moths are photographed first which is highly important in case they fly away, so that a record of them can still be made. Afterwards the final deer surveys were done at Langton Westwood which consisted of three separate compartments. The rest of the day was spent allocating teams to collect the pan traps at the Studland/Godlingston sites, entering the deer data survey onto an excel file and planning the deer report.	Moth Identification skills gained, learning how to ID moth species.	10

11	10th August 2016	Arriving on site, the first task was to handout the new printed sheets of which team would be doing which site and the type of surveys they would be doing. This was followed by ensuring all teams had correctly input their GPS locations. All the locations at Hartland Moor Nature Reserve were completed throughout the day, which involved each team doing 5 individual quadrats, photos of North, East, South and West, either Pollinator survey or whole site survey and sweep net surveys were done. The evening was spent entering data collected in the field into an excel file and report work done.	Leadership skills used and further enhanced by organising the site locations for the day and ensuring all teams had input their GPS locations for each site. Logisitic skills further developed. Communication skills, arranging and making sure that all teams are safe and not leaving anyone out in the field.	11
12	11th August 2016	Preparations were done as soon as arriving on site This involved re-arranging one site location and allocating it to another team that was in a more suitable position to take the location. This was done to accommodate for a new site location that needed to be surveyed. The surveys completed were at Arne Nature Reserve which included carrying out the final heathland survey (sweep nett, pollinator, individual random quadrats, whole site surveys and photos). In the evening the whole team went down to Winspit do have an induction on bat surveys where we learnt the different types of bats, the different bat echolocation sounds they make and the ecology of the bat species etc. Some of the bat species that are found in the old quarry caves in Winspit included barbastelle, Common pipistrelle, Daubenton's bat, Greater horseshoe bat etc. (19 species in total). In order to hear the bats echolocate a bat detector is used.	New terminology skills were gained in learning the new different types of Bat species.	11

13	12th August 2016	The day consisted of collecting a pan trap left out at site 21 which is based on Godlingston Heath. On arrival all the insects were extracted from the pan plates and put into a sterilin tube which had IMS preserver in. The rest of the day was spent writing up the deer woodland report on Studland woods, located near a popular tourist attraction. I later gave a couple of minutes presentation in front of the team, Anita Diaz and Michelle Brown on a brief overview of Studland woods. This included talking about the location, activity and impact of deer, the type of vegetation there, signs of human disturbance and comparing this year's results to 2013 results and stating whether the woodland had increased, decreased or stayed the same in terms of deer activity and impacts.	Presentation skills, confidence skills, speaking and listening skills were all required and used throughout the day. Also facilitation skills were enhanced (previously gained by doing PAL), helping other team members when they needed guidance or unsure on something i.e. to do with the reports.	9
14	15th August 2016	Checked through and discussed with a team member the random quadrat recording form for the next part of the placement on doing random vegetation surveys across Arne Nature Reserve. Finalised and completed the Deer activity and impact monitoring report on Studland Woods.	Professional skills were required to ensure that the random quadrat survey recording form was sent in time to the appropriate candidates and that the recording sheet was understood as important and efficient work will be carried out. Writing skills used when finishing the deer report.	5

15	16th August 2016	This afternoon I met with Andy Ford at Arne Nature Reserve to have a demonstration on how to use a Global Navigation Satellite System (GNSS) which is a piece of high technology equipment. He taught me how to use this expensive piece of equipment and went through a step by step guide. He even said what to do if the GNSS wasn't very accurate. This involves using a mobile phone that has 3G signal and that signal sends an RTK signal to the GNSS and it makes the GNSS even more accurate down to cm in accuracy. Andy showed me on a map of where the 58 points are distributed. These points have been randomly generated by using pseudo random generate. The aim of using the GNSS to accurately locate each point is to record the maximum height of the vegetation and the type of vegetation at each point. The machine is able to record elevation, northing and easting etc. He later went on to discuss about a drone that is being used to survey the vegetation from a vertical view. This will get a representation of the vegetation of the whole area and should generate the different heights of vegetation the same as the GNSS. The GNSS is only surveying a small bit of the vegetation around the point not an area. The area i being covered by the drone. Andy concluded his demonstration by allowing me to have a go at using the GNSS machine to ensure all was well.	Learning how to use new technology by using the GNSS equipment. By using this equipment it improved navigation skills and how to precisely locate random points down to within cm. Also skills were gained on how to solve the GNSS if something wasn't quite right, along with new terminology skills gained. Surveying skills were enhanced by knowing how to use the GNSS equipment.	2.5

16	18th August 2016	The day was dedicated to starting the heathland report. In the report each team had been delegated a section of the report to do, in this instance myself and my team member had the job of doing the results and discussion section for all of the individual quadrats. This includes analysing 64 sites in total across 4 site locations. A few hours were spent putting all of the averages from the sites (Each site has 10 random quadrat data so for each site an average has been done on the 10 quadrats) onto one excel file. This will allow for an easier analysis and interpretation. A plan was also created on the discussion section of the relevant points that will be discussed and also points on what the results will include e.g. comparison between 2015 and 2016 dead heather total. The day concluded by submitting the Deer activity and impact assessment evaluation 2016 on Studland Woods . This was submitted to a team member who's role it is to collect all of the deer reports and file them into one final document.	Accuracy skills improved ensuring that all of the data was in order and precision skills developed ensuring that the data was correct across all of the sites and that none were missing. IT skills further used when using Microsoft Excel.	2.5
17	22nd August 2016	This evening was spent analysing the dead heather total across all of the sites and comparing it with 2015 results.	IT skills further developed. Writing skills.	0.5
18	23rd August 2016	This morning was spent at Arne using the GNSS machine to do some random survey points. However the machine didn't connect to the RTK initialising which meant that the accuracy of the machine was only working to 4m at best instead of 2cm. After trying to get the machine to work, it was decided that the problem maybe due to the mobile phone being out of credit. The best use of time was to try again tomorrow when the phone was topped up. Therefore the rest of the day was spent doing the heathland report. This involved analysing through the data and extracting the relevant information e.g. dead heather total of 2016 and comparing it with dead heather total 2015. Once the various data was extracted it was converted into various graphs such as a scatter plot. These were then exported into a document where they were described in the results section.	Problem solving skills were used in order to resolve the issue that was occurring with the GNSS machine. Using initiative to not waste the day and be efficient by using the rest of the day to tackle the report that was due in.	11

19	24th August 2016	The morning was spent back out at Arne to try and do the random point surveys using the GNSS machine. Thankfully this time the machine was working and the RTK was initialising. At each point the GNSS machine would be accurate down to within of 2cm accuracy which is very precise. Whilst at each point the maximum height of vegetation was recorded onto a data recording sheet along with the species of vegetation that the maximum height came from. This was repeated for all of the points. However, due to the phone running out of charge only 32 points were done. After the field work the rest of the day was spent completing the Heathland Report. This involved finishing the results which included creating 5 graphs and the writing a description about each one. Next the discussion section was completed and backed up using academic journals. After the report was read through it was submitted to a team member and also upload onto the SERT BU google drive.	Identification skills further developed when ID the plant species at each of the points. Precision and accuracy skills gained when using the GNSS machine to get it down to within of 2cm. Time and patient was needed as the machine took getting use to and using the knowledge learn in the training was put to the test.	10
20	25th August 2016	The final random survey points were finished today at Arne using the GNSS machine. The maximum height and type of vegetation was recorded as don on the previous day.	Navigation skills were further enhanced on ensuring me and another member were heading in the right direction. Surveying skills used.	4
21	26th August 2016	The final part of using the GNSS machine was done today. This involved exporting the relevant data from the GNSS onto a USB. This was done by loading the machine, going to jobs & data and then selecting "Export Custom Data" .The relevant options were selected and the data was successfully exported across. The data collected in the field was transferred onto an excel file (the site number, the type of species and the maximum height of the vegetation).	Refining skills were gained on how to carefully extract the data from the GNSS machine and ensuring that the process had worked. Time management skills were used to ensure the machine was handed back in on time.	2

22	30th August 2016	During the morning random vegetation surveys were conducted at Arne Heath, using a 2m x2m quadrat, a GPS garmin 64s, a 1m ruler and recording sheets. At each random quadrat important factors like heather management/stage, % of dead ericoids total, minimum, maximum and mean height of all vegetation were recorded. Also the recording sheet included a new way to record the vegetation in the quardat. This was done by looking at the vegetation structure at various heights suchas 40-60cm. The afternoon was spent at the National Trust Purbeck office with Michelle Brown who gave me training on how to upload data from the SERT placement onto living records.	New skills gained on how to record vegetation structure at different heights to understand the area as a whole and more in depth by looking at the layers and amount of coverage. Also new skills were developed like computer skills and data entry skills on living records.	5
23	31st August 2016	Continuation of random quadrats at Arne Heath took place today where the same methods as before were repeated at each random site. The sites are random and will be distributed across the whole of Arne Heath. Some time was also allocated into organising and allocating a list of sites to each colleague on the SERT placement so that the data from each of the sites can be uploaded onto living records.	Leadership skills used and ID skills put to the test/further developed. Plant ID skills used	4
24	4th September 2016	The data collected out on Arne heath for the random survyes were entered onto a data recording sheet.Also time was allocated to entering living records data onto the living records database of the data collected at the Studland sites during the SERT placement.	Navigation skills were further enhanced on ensuring me and another member were heading in the right direction. Surveying skills used. IT skills used when using living records and skills used for following a method.	2
25	6th September 2016	More random quadrats were done which involved walking around the Arne Heath in an even as possible distribution, ensuring all areas of the heath were survyed. For example some random surveys were done at one far end by the water and others were done in the dense vegetation and then in the middle of the heathland.	Navigation skills used and also using a compass as the GPS was only accurate to 3m at best so a compass was used to ensuring all areas of the heath were covered and not just one direction.	4
26	13th September 2016	Final random quadrats were carried out at Arne Heath which completed the area being covered and survyed.	Confident skills developed in being certain at this point that the surveys were carried out accurately and precisely.	6

27	14th September 2016	Final data entry of the randnom qudrats at arne were entered onto execl along with typing up the GPS coordinates onto a word document which allowed a map of all the points to be created, to show the distribution across Arne Heath.	Accuracy skills improved ensuring that all of the data was in order and precision skills developed ensuring that the data was correct. IT skills further used when using Microsoft Excel. Map skills	5
28	2nd October 2016	The final data for my allocated sites were uploaded onto living records which included the DAFOR data and average of the individual quadrat data.	Following a guide was required and accuracy skills in ensuring the data was uploaded correctly.	3
			Total hours	178.5

Name: **Alex Harvey**

Project: **Purbeck Heath 16 SERT**

Role:

Hours completed so far: **178**

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	19th May 2016	I met with Toby Branson (Dorset Ecology Manager to view and discuss a survey I will be helping to carrying out, of an area at Arne before some pigs are released onto the proposed site.	New contacts were made at Arne Nature reserve and good communication skills were vital in the meeting, so that future work carried out is correct and to the standard they require.	1
2	26th May 2016	I helped carry out a vegetation survey at Arne RSPB reserve, within a large fenced area prior to the release of some pigs.	Identification skills were required to accurately survey the different plants present, which was tricky at times with the new spring shoots. Good teamwork and clear communication was also required, as well as an understanding of how to use a GPS.	8
3	1st August 2016	Today I attended an introduction to the SERT explaining the aims, objectives and methods, which will be carried out throughout the placement. There was also time taken to building on and refreshing my identification skills of dry and wet heathland plants as well as some marsh species.	Further knowledge of relevant plants and their ecology was learnt, enhancing the accuracy of future vegetation surveys across the wet and dry heathlands. Also good communication and listening skills were required, as a large volume of information was discussed regarding the method of data collection and the schedule of the placement over the coming weeks.	7
4	2nd August 2016	A meeting was held first thing to establish each teams vegetation survey location, and the logistics of the day's surveys. I Also programed the GPS with the coordinates for the vegetation survey locations; of which there were eight for each team four wet sites and four dry. I then drove to the survey site at Studland where we started to carry out the vegetation surveys, they consisted of five random quadrats within a 20x20 meter area, recording the percentage cover of flora species present, as well as some other key characteristics present within of the 2x2 meter quadrat.	Plant identification skills were key for todays work in order to carry out the surveys to a high standard. Clear communication and teamwork skills were also vital to work efficiently and record accurate observation. Good morale and motivation was required towards the end of the day, as completion of all eight sites took longer than expected and the time allocated, however my team continued and completed all required locations.	10

5	3rd August 2016	In the morning their was a brief introduction and discussion about the days surveying tasks, and preparations were made with equipment for the pa traps so each team had a sufficient quantity of solution (water and propylene glycol) and the correct coloured plates. Today's surveys for my team included the assessment of three wet and three dry sites using the DAFORN scale assessing a variety of key environmental characteristics. Great care had to be taken at two of the sites in order to not disturb two Nightjar nests. My team were also tasked with completing two pollinator surveys, involving a 10min count of observed pollinators along two intersecting 20 meters transects. Four pan traps of varying colours were also set up at these two locations. Once these surveys were completed I drove a few colleagues t collect food and provisions, and attended a talk by David Brown (Head Ecologist for Purbeck National Trust) about the current and future work of the national trust and how this will affect the local wildlife.	Communication and listening skills was key throughout the day in order to be understood, and clearly understand the days surveying strategies. Efficient and productive work was needed to complete the surveys in a respectable time, as a talk was scheduled for the afternoon. Time keeping was also key to be sure we were back from the shops before the talk by David Brown began. Identification of flora and pollinator species was important today to achieve a high level of accuracy.	11
6	4th August 2016	Preparations for the days surveying was the first job undertaken, this involved myself and a team mate sorting out the groups site locations so they were even and fair in opportunities and work load. also lead the group in advising on what other job were required, to make the morning productive. Th surveys carried out today consisted of five individual quadrats at four locations, two whole site surveys and two pollinator surveys. Once the surveys were completed we had an informative talk on arachnids found in the UK.	Leadership skills were required for the start of the day, in organizing the group on what tasks were required to be completed. As well as problem solving skills in order to distribute and allocate the surveying sites in the most efficient way. I also built upon my identification and recognition skills of Purbeck heathland flora, pollinators and arachnid's species.	10.5

7	5th August 2016	The start of the day involved organizing which groups in the coming week will be surveying the different sites at Arne and Hartland. We were then briefed on how to conduct a deer survey explaining what signs of deer should be recorded. I then drove my team down to the discovery centre at Studland for a brief lesson on identification of woodland plants and Sika deer activity, before we started on the actual survey, which took place in a large woodland allocated to our team. Once we completed the deer survey we were taught how to uses a sweep net properly and identify hoverflies.	I learnt how to pick up on signs of deer activity and put them into practice in the field. Navigational skills were also used, so to cover the deer surveying woodland in an efficient but detailed manor without loosing track of the direction we came from. Plant and hoverfly identification skills were improved upon as well as my technique for sweep netting.	8.5
8	7th August 2016	Today I checked all individual quadrats were correct in % cover and started to sort out the teams allocated to Hartland survey's, which will start on Wednesday.	Computing skills in excel were used and problem solving with the allocation of sites.	3
9	8th August 2016	I Finished sorting teams for Hartland and collected invertebrates and pollinators from pan traps as well as sweep netting at eight sites in Studland. Later in the afternoon I carried out a deer survey in Studland woods recording any signs of impact or activity. The evening was then spent collected more pan trap insects and sweep netted at Godlingston heath.	Teamwork and problem solving skills were used to finish allocating the sites at Hartland. Sweep netting and deer survey skills were later improved upon.	12
10	9th August 2016	This morning I helped out with the collection and identification of moths by photographing and documenting each individual found, due to the breezy conditions only a small handful were trapped. After moth-trapping information was gathered on which pan traps each team had left out in the field, this information was later used to allocate and organize the future collection which will happen on Friday. The main survey undertaken today was at Langton Westwood, surveying the impact and activity of Deer, this information was also later put onto an excel file, along with a description of the woodland surveyed.	Navigational skills were important when surveying the impacts of deer so we kept within our allocated area, Identification of moths were improved in the morning as well as flora species in the evening on the deer survey.	10

11	10th August 2016	In the morning planning was required to coordinate drop off points for each team and their allocated site, I drove some team members to one drop off site in order to make the most efficient use of the time available. Hartland was surveyed today which consisted of six locations for my team. Pan traps were not set up as we would only visit Hartland once, however we did have to carry out a pollinator transect count, recording any pollinators present within of ten minutes. We also carried out vegetation surveys of the whole site and five individual 2x2 meter quadrats. Our days data was then inputted onto excel in the evening.	Communication and listening were key to clearly understand and be understood on where the locations will be for the days surveys. Excel skills were used to input data, and accurate plant identification was important for the most reliable data collection.	11
12	11th August 2016	This morning preparations were made for the days survey's at Arne nature reserve, which included programing the GPS with the days site locations & coordinating the teams with their allocated locations. Five 2x2 meter metre individual quadrat vegetation surveys, pollinator counts, sweep netting and whole site vegetation surveys were carried out at six different sites. Planning and draft presentations were made on the Deer impact and assessment surveys at Langton Westwood for Friday.	Leadership skills were used to inform and coordinate each team on which locations they would be surveying on the day. Flora identification skills were also used during the surveys, as well as data analysis finding patterns and reasoning behind the results of the Deer impact and activity assessment.	11
13	12th August 2016	In the morning I drove to collect the last pan trap set up on Godlingston heath, which require preserving any invertebrates trapped. Once back at base I began writing up the report on Langton Westwood on the impact and activity recorded there by Deer. I later gave a presentation on the Deer assessment at Langton Westwood to my colleagues as well as the SERT supervisor Anita Diaz and Michelle Brown from the National Trust Purbeck Offices. Future work was then planned out and discussed in order to complete the contract and present the Data collected with discussions in a report, which is to be completed for the 19th August.	Careful and reliable work was required to gather any trappe invertebrates in the morning. Report writing skills were also needed along with confident presentation skills when talkin about the Deer survey at Langton Westwood. Throughout the SERT Placement Professional working practise has been required, in order to complete any tasks to a high standard and in an efficient manner.	9
14	15th August 2016	Write up of Langton Westwood Deer report was continued with analysis of data collected.	Data interpretation and analysis was improved, as well as report writing style. Also knowledge of Deer activity and surveying methods were increased through research of academic hours.	5

15	16th August 2016	Today I had a tutorial by Andy Ford on how to operate a Leica Viva Global Navigation Satellite System (GNSS), with the aim of surveying 58 pseudo random locations at Arne, recording the maximum vegetation height and species while the GNSS system records elevation and the exact location within of 2cm. We also discussed the aims of the survey, and how our work with the GNSS random locations fit in with areal photographs taken by Andy to assess vegetation height and structure.	I have learnt how to navigate and record locations and elevations with a Leica Viva GNSS, as well as increase the precision of the device from around 6m to 2cm by pairing with a mobile to receive Real Time Kinematic (RTK). My surveying skills and understanding of high spec GNSS technology have been improved with the knowledge of how to use a Leica Viva. As well as terminology and surveying strategy.	2.5
16	18th August 2016	The Langton Westwood deer reports discussion and conclusion was completed and checked over before sending to the appropriate colleague who is tasked with collating the reports within one document.	Knowledge of deer ecology was improved by reviewing online academic journals, as well as report writing skills.	2.5
17	23rd August 2016	Analysis of Individual quadrats, was carried out on excel with the creation of five graphs indicating specific talking point and trends found in the data. While journals were researched for points to talk about in the discussion for the SERT heathland report. This morning work was carried out at Arne with a GNSS surveying device, however technical issues were incurred shortening the days surveying time.	Excel skills and data analysis was used to find discussion points. While the training with the GNSS Leica Viva was used, however issues were incurred halting progress.	11
18	24th August 2016	The morning was spent at Arne using a GNSS machine recording the elevation of 32 out of 58 set locations, within of an accuracy of 2cm at each point the maximum vegetation and species name was recorded at each location. The afternoon was spent using academic journals to back up and strengthen any points discussed about the individual quadrats data from the Purbeck Heathland SERT. Conclusions were also made from the interpreted data, and the final draft was uploaded online and emailed to the relevant colleague who is tasked with collated all reports.	Technical issues were resolved with the GNSS machine, and my training and knowledge was put to uses surveying as many points as possible to a high accuracy, while plant identification skills were also used to record the species with the maximum height. Microsoft Word and Excel skills were used to complete the report on the individual quadrats data.	10
19	25th August 2016	The final 26 GNSS sites at Arne were surveyed an maximum vegetation heights were recorded.	Map reading skills were needed to complete all points in an efficient and effective way, while surveying skills with a Leica Viva GNSS machine was built upon.	4

20	26th August 2016	Today the data from the GNSS machine was extracted and returned to the Field store room, while the recorded vegetation species and heights were inputted onto Excel.	New skills were used extracting data from a Leica Viva GNSS, while basic Excel techniques were used.	2
21	30th August 2016	In the morning I began carrying out random vegetation surveys at Arne heath, using a 2x2 meter quadrat and recording the position with a GPS in British national grid. I was recording not only species but the maximum, minimum and mean height of the vegetation present, also the percentage of vegetation present at varying heights for example between 10-20cm and 20-30cm. The afternoon was spent being trained by Michelle Brown from the National Trust's Purbeck Offices or how to use their Living record database, and uploa the Purbeck heathland SERT data.	With the vegetation's surveys at Arne a new style of recording the vegetation structure was carried out assessing the different densities of vegetation at varying heights. New skills were gained learning how to use an online database called living records. While time keeping was important not to over run at Arne and be late for the living records training.	5
22	31st August 2016	I continued to survey Arne, using a 2x2 meter quadrat placed in a random location. Vegetation species present were identified ad percentage cover recorded. I also helped to allocate colleagues to Purbeck Heathland SERT sites for uploading our recorded data onto Living Records	Plant Identification skills were required.	4
23	4th September 2016	Inputted random quadrat data from Arne Nature reserve onto excel. As well as plotting the GPS coordinates onto a map, so that an even distribution could be achieved. A couple of sites data were also added to Living Records.	Various computing skills were required not only with excel but also the hand held GPS and Living Records database.	2
24	6th September 2016	More random quadrat surveys carried out at Arne Nature Reserve	Plant Identification skills and accurate judgement of percentage coverage were required.	4
25	13th September 201	Last random quadrat surveys carried out at Arne Nature Reserve completing a full coverage of the heathland.	Plant Identification skills and accurate judgement of percentage coverage were required.	6
	14th September 201	Data entered onto an excel file and coordinates logged onto a map of the random quadrats.	Various computing skills were required not only with excel but also the hand held GPS.	5
26	31st September 201	Complete my allocated sites and data on Living Records		3
			Total hours	178

Name: David Stanley

Project: Purbeck Heath 16 SERT

Role:

Hours completed so far: 119

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	01/08/2016	Introduction, training and plant collection/identication	Learnt further information on flora identification (heathers, grasses, sedges etc.) and heathland ecology - listening skills and communication was put into use during a discussion on species identification. Camp preparation also had to be carried out, requiring teamwork skills.	10
2	02/08/2016	Heathland surveying - individual quadrats and GPS mapping	New quadratting techinques were learnt - a 20x20 metre quadrat was set up and assessment skills such as estimation of percentage covers were used and developed. New species were introduced such as different heathers, helping develop identification skills. GPS usage was also a new skill developed. along with orienteering through tough terrain. Organisation and teamwork also had to be used	12
3	03/08/2016	Heathland surveying - individual quadrats, whole site and pollinator transects along with a talk given by the National Trust about the work they carry out. Data entry and collation	More ways of habitat surveying were introduced and practiced. Pollinator identification skills were also taught (e. g. differences between hoverflies and bees). Useful skills continued to develop, such as organisation and teamwork. Knowledge on current conservation projects was gained along with computer skills and data entry using excel.	14
4	04/08/2016	Heathland surveying - random quadrats, overall sites and pollinator surveys along with a talk by Geeta about spiders in the UK	Skills in habitat surverying in heathlands were furtherly refined and practised. An interesting talk on arachnids was also delivered, learning about their biology and ecology.	12
5	05/08/2016	Deer impact survey in Studland, sweepnet training for invertebate collection and overall data collation	Techniques on deer tracking were taught, enabling us to assess their impact on Pipen woods by looking for signs such as browsing, bark stripping and racks. This taught us a new way of surveying along with new plant species to identify. We were also trained on effective and ethical sweepnet use when collecting insects for habitat assessments/studies. Data collection and excel skills were furtherly developed	12
6	06/08/2016	Data collation and discussion planning	No field work today - opportunity to continue collating all the groups data into singular files, helping develop leadership skills and responsibilty. Started planning discussion section of final report.	5

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8	08/08	Data entry and project organisation	Helped make important desicions such as job allocations/graph production etc. with project leaders - helping me with organisational and managment skills. I also continued to input data and set up new files for the following week.	6
9	9/8	Moth traps and deer impact surveys	Learnt how to set up moth traps and began to use moth identification skills. Conitued to use skills in deer tracking and impact assessments across multiple sites. Continued to co-operate in team and build up team-work skills.	10
10	10/8	Heathland surveys - random quadrats, DAFORN and pollinator transects		12
11	11/8	Heathland surveys - random quadrats, DAFORN and pollinator transects - Bat survey - data input		14
12	12/8	Final data collation and woodland presentations		10
13	01/08/2016	Living Records entry		2
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			Total hours	119

Name: **David Taylor**

Project: **Purbeck Heath 16 SERT**

Role:

Hours completed so far: **119**

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	01/08/16	Training and orientation	gaining a better understanding of plant identification and learning how the sert is going to run as well as learning new survey techniques	10
2	02/08/16	individuel quadrats for sites 1 to 20, data entry	working as a team, using a gps and gaining a better understanding of heath ecosystems	11
3	03/08/16	morning prep. whole site quadrats and pollinator quadrats. data entry,	Teamwork and data entry as well as better understanding of pollinators	11
4	04/08/16	surveying data entry and spider talk	being able to work independantly and prioritising.	10
5	05/08/16	surveying data entry and started the deer survey introduction into deer surveying techniques	learning deer surveying techinques as well as forming a better understanding of the problems of deer across purbeck.	9
6	07/08/16	data entry and camping blog	prioritising written work	6
7	08/08/16	heath survey taking photos of sites and resetting pan traps. follow by second deer survey. and then stting up of moth traps and entering corrections	understanding pan traps, and learning how to set up a moth trap.	10
8	09/08/16	moth identification and deer survey. followed up by camp blog deer surveying data entry and moth report	learning to id moths follwed by advancing deer surveying techinques	11
9	10/08/16	heathland surveys and data entry	witing skills and teamwork as well as learning more about heath ecosytems	12
10	11/08/16	heathland surveys and data entry	improving surveying techinques and report writing	16
11	12/08/16	collecting pan traps and presentations	working as part of a team and improving prensentation skills	9
12	15/08/16	report writing	improving report writing skills.	4
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			Total hours	119

Name: **Miriam Treadway**

Project: **Purbeck Heath 16 SERT**

Role:

Hours completed so far: **118**

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	1/8/2016	Orientation for project and flora idenitification.	Have better knowlodge of local flowers,grasses,sedges, trees and mosses. Working in difficult weather. Skills attributed were organizational,cooridation and managemen skills.	11
2	2/8/2016	Heathland surveys	Working in difficult environments. Used newly aquired knowledge of flora identification. Time management was also as a skill used.	12
3	3/8/2016	Heathland surveys,Pollinator surveys and pan traps	Whole site heathland surveys, Pollinator transects and pan traps skills. Also, team work, data entry skills. Tiime mangement.	14
4	4/8/2016	Heathland random surveys, whole site surveys, pollinator surveys. Data collection and input.	New survey skills and insect identification skills. Also being a coordinator for information/data/ general everyday, between the Project and lead and the students. Data entry skills of data.	12
5	5/8/2016	Deer impact surveys in Pipen woods	Gained knowledge on how to look for deer signs such as browsing signs, racks and slots. Also essential sweep netting skills.	12
6	7/8/2016	Data entry and Blog writing	Writing skills, such as report writting and daily bloging. Also coordinator skills.	6
7	9/8/2016	Moth ID, Woodland surveys	Plant identification skills, Moth idenitification knowledge and skills,and woodlans survey skills (signs of deer impact).	10
8	10/8/2016	Heathland surveys, data entry	Team work (working for long hours, does become stressful), writing skills(report writing and daily blogging) and leadership roles (for being a camp coordinator and coordinator between the project lead and the rest of the team.)	13
9	11/8/2016	Heathland surveys, data entry	writing skills for report writing and darling blogging. Also daily data input abilities. Surveying and quadrating skills.	16
10	12/8/2016	Data entry and report presentation	writing skills and public speaking skills	8
11	15/8/2016	Blog writing and report writing	writing skills for daily blog, coordinator and editor for data and reports	4

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			Total hours	118

Name: **Alice Todd**

Project: **Purbeck Heath 16 SERT**

Role:

Hours completed so far: **121**

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	1/8/16	Travelled to the site and set up camp with the other team members. Spent the afternoon collecting plants at both wet and dry heathlands and took them back to base camp for identification.	Increased my knowledge of identifying heathland flora.	11
2	02/08/2016	Heathland surveys of five individual quadrats in 20mx20m sites.	Further increased my knowledge of identifying heathland flora and learnt how to correctly use a GPS whilst out in the field conducting surveys. I also improved my orienteering, time keeping and teamwork skills.	11
3	03/08/2016	Heathland surveys of the whole 20mx20m sites. Also completed pollinator surveys and placed down pan traps at each site. Data entry.	Increased my knowledge of identifying pollinators and completed a pollinator survey for the first time. Organizing and teamwork was needed for efficient data entry.	13
4	04/08/2016	Heathland surveys of the whole 20mx20m sites along with pollinator surveys and pan traps. Listened to a spider talk in the afternoon.	Improved my skill of surveying heathlands.	12
5	05/08/2016	Deer impact surveys in Pipley Woods. Listened to a talk about correct sweep netting technique and indentifying hoverflies.	Learnt the signs to look for which indicate deer activity and impact. Time keeping and organization was also important to ensure each wood compartment was represented correctly.	11
6	07/08/2016	Data entry	Time keeping, team work and organization skills.	5
7	08/08/2016	Deer impact surveys.	Further increasing deer surveying skills.	10
8	09/08/2016	Moth trap. Deer impact survey	Increased my knowledge of moth species and how to correctly trap moths.	10
9	10/08/2016	Heathland survey. Gained responsibility for organizing the data for all individual quadrats from sites 1 - 101.	Time keeping, team work and organization skills.	13
10	11/08/2016	Heathland survey		14
11	12/08/2016	Data entry of the individual quadrats from sites 1 - 101, making sure the layout of the data was uniform and easy to take information from.	Leadership and team work were both skills needed to ensure that all data was collected and correct.	11
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			Total hours	121

Name: **Emily Ford**

Project: **Purbeck Heath 16 SERT**

Role:

Hours completed so far: **105**

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	01/08/16	Coordination of groups and training for plant identification by picking of diffrent types of vegetation on studland heath for identification back at base camp	Identification of heathland plants, such as ling, bell heather and multiple forbs and grass species	6.75
2	02/08/16	2x2m quadrating of studland sites at each site 5 random quadrats were taken, quadrats of site 1, 3 and 20 were completed more were not done due to the large walking distance between sites 1 and 3 as they were on other sides of the site.	Refining of ID skills while in the feild and use of a GPS	7
3	03/08/16	Completing of random quadrats at remaining sites and walking of a pollinator transect at sites 1,2,14, and 15 and whole site surveys at 9 and 20as well as setting out of pan traps at the sites that i did pollinators at. Followed by data entry and a talk about conservation managment in the evening.	Use of plant ID skills as well as navigational skill. experince of putting out pan traps.	10.75
4	04/08/16	Data entry in the morning followed by quadrating at godstone with 2 whole site and 2 pollinator surveys conducted. spider talk in the evening.	Refining of ID skills and use of a GPS in tandem with map reading so as to avoid going into myers. learning of diffrent spider types and behaviours as well as key identification for spiders an harvestmen and the diffrences between them	8
5	05/08/16	Deer impact surveys at studland woods, walking along a rough transect and noting of any signs of deer or grazing impact. As well as a sweep net tutorial in the evening.	Learning how to spot grazing signs as well as signs of deer precence over than seeing the deer such as slots and dung and the use of a sweep net andhow to capture of flies from the sweep net. as well as use of woodland plant ID skills	8
6	07/08/16	Data entry and creation of a camping guide		6
7	08/08/16	Sweep netting at godlingston and studland sites as well as collecting of pan traps that were put out in the week before. Followed by deer impact surveys at king's wood	Use of a sweep net and collection of insects for identifiation. As well as refining of deer signs identification skills.	7
8	09/0816	Moth trap collection and id and relese of moths from the trap followed by deer impact surveying at talbot woods and data entry in the evening. as well as setting out of moth trap for the next day	How to release moths and general id of moths. use of nivigational skills and grazing signs identification skills. Learning of how to set up a moth trap.	12.5

9	10/8/16	Pollinator, random quadrats and whole site surveys at arne as well as sweep netting on each site seven sites site 65,68,94,95,96,97 and 99 with 3 sites whole site and 4 pollinators. and setting out a moth trap for the next day.	The initial moth trap from the night brefore couldnt be used as it had become unplugged during the night so the skill of setting it out the next day was refined so as to make sure all leads were as close to the ground as possible . Also refining of sweep netting skills and the use of gps naigation were used this day	8
10	11/8/16	iding of moths from the night befores trap i was acting as a scribe. then out to arne to do more random quadrats sweep netting whole site and pollinator surveys at five sites	sweep netting and gps skills as well as plant id skills	12
11	12/8/16	report writting for deer surveys and data entry. presentations for each deer site	presentation skills and report writting skills	7
12	16/08/16	report writting for deer surveys	report writting skills	2.5
13	23/08/16	Editing of the heathland data report through formating of text and graphs	report writting skills	3.5
14	24/08/16	Editing of the heathland data report through formating of text and graphsas well as adding to the pollinators disscusion by finding an article that backs up diffrent effects of weather to pollinators.	report writting skills	3.5
15	31/08/16	editing of the heathland data report, inserting graphs and acis titles for some which were missing them	report writting skills	2.5
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			Total hours	105

Name: **Archie Neale**

Project: **Purbeck Heath 16 SERT**

Role:

Hours completed so far: **125**

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	1/8	I began the first day by coordinating with another SERT team member to travel from Wiltshire to the Purbeck National Trust site to meet with our team leader. I then had to set up the camp site with my team member, this involved pitching tents, allocating food stores, and storage for hard copy work and laptops. After this me and the rest of the team headed to the neighbouring heathlands, out here we discussed the identification of species and how they differ between dry and wet heath. During the identification process we also collected samples to bring back to the National Trust site for further overview of the plant species and why they inhabited different spaces.	Developed further knowledge of heathland plant species, and how wet and dry heath are favoured differently by these plants. I also gained better team coordination skills and used my organisational skills to allocate food and equipment.	12
2	2/8	The second day we discussed team roles and site locations where the tasks would be completed. After the sites were distributed amongst the groups, me and my team member used a handheld GPS to input the sites coordinates which we then used later on to find the exact locations. At each individual site I would make a transect using 20 meter sting attached to poles, these were paced in the ground and the string would be pointed in cardinal directions with one string in a separate colour pointing North. In these transects, me and my team member randomnly placed down five 2m quadrats and then determined the % cover within each quadrat. This was carried out over eight different locations.	First hand use of GPS techniques and orienteering skills. Futher use of quadrating and plant identification skills.	11

3	3/8	Day three we again discussed team roles and locations, my team had one less site to work on due to nightjars nesting. At the sites we did revisit, me and my team mate used transects, but instead of quadrats we carried out pollinator surveys which also involved placing down pan traps (four pan trap per site, each a different colour for attracting pollinators) which would later be observed. The other job we had to carry out was whole site surveys, which covered the entire transect instead of just small patches. In the evening I inputed the information from the day before into an excel forma and then transferred this information onto a larger file used by the whole team.	Further use of transects and developed knowledge of site analysis. Use of pollinators from a previous SERT in Bournemouth helped me identify the different species. I also used pan traps fro the first time instead of pitfall traps which I have more experience with, this gave me greater knowledge on techniques of capturing insects.	12
4	4/8	Day four we conviened to the meeting room and discussed the new sites we would be visiting. These sites are relatively close to where we are living and meeting, so instead of taking a vehicle the decision to walk to these places was made. Because of this me and my team member inputted the correct coordinates for the GPS, and as this was travelling across fields and marsh orientation was crucial. At the sites we continued with transects, quadrats, whole site surveys, and pollinators surveys. This was carried out across four sites. In the evening I again inputted the data onto excel and transferred this to the teams external drive. After this we had an arachnid specialist come in and discuss different speceis of spider found in the UK.	Pollinator, quadrat, and whole site surveys were again used. My orienteering skills were improved aswell as we had to direct ourselves away from any obstacles such as marshland and dense areas of European Gorse. Because o the areas we were surveying there were some species which had gone unseen during the beginning of the week, such as White Beak Sedge. Finding these species has helped improve my knowledge of wild flower species in the UK.	12
5	5/8	Deer surveys were carried out on the Friday. We started by heading to the Studland Beach and Nature Reserve, once there we were given a talk o how to identify if sikadeer have recently been within the vicinity. After this we moved on to our groups allocated sections of the reserve to survey evidenc of deer, such as droppings, tracks, and forraging. In the evening we met with an entimologist who informed us on sweep net techniques and hoverfly species identification.	Through the deer survey I developed new terminology and methods of collecting information on woodland species, and more specifically sika deer. From the afternoons talk I furthered my knowledge of hoverflys and how to properly capture insects using a sweepnet.	12

6	8/8	The second set of deer surveys were completed on the first day of the second week. The site me and my group surveyed was located in the woodland adjacent to the camp site. This survey was by far the most physically challenging as the distance our group had to cover was roughly 3 times the length of any of the other sites, it was also on a slope which meant traversing across a difficult landscape. During this Sika Deer survey we spotted what appeared to be couches in the grass within the woodland, we also spotted 14 deer running into the woods as we appraoched and found them again as we made our way through. Because of this our group had to make a more in depth analysis of the data and provide further research into the maximum numer of deer in the woodland and if our evidence was accurate.	Analysis of Kingswood Sika Deer populations and other evidence was made to validate our findings. Good communication was needed between each group member as we were spread out in the woodland and had no phone reception.	12
7	9/8	Moth identification was carried out in the morning, this involved capturing the moths from the trap and then using a guide to identify the species. After observing moths me and my group completed the final dear survey, we did this at Langton Westwood. Once completed, my group split the three site between each of us to write up and discuss how the results compared to 2013's deer surveys.	Trapping and identifying moths is something I have never had to do before so doing this has definitely helped me learn more about insects and how to differentiate moth species.	12
8	10/8	New coordinates inputted into the GPS for seven extra survey sites, this included pollinator, whole site, hoverfly, and quadrat surveys. In the evening we added the extra data to the excel format and transferred that information to the external hard drive.	Increased us of GPS and hoverly identification.	12
9	11/8	Final surveys were made today which again involved all the tasks we have previously made, minus deer and pan trap surveys. We spent the evening combining all of the information and writing up our deer surveys for the following day.	Collation of data and improvement of writing reports.	14

10	12/8	For the final day in Pureck I had to create the final touches to my deer presentation and follow up with research for an extra presentation on the Heather Beetle. The heather presentation was both a combination of background research and creating graphs using the data we had collected from the quadrat surveys.	Presentation and graph formatting was vastly improved.	10
11	17/8	Overall method of results was completed and forwarded to the report editor for finalisation.	Improvement of writing report methodology.	6
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			Total hours	125

Name: George Cartwright

Project: Purbeck Heath 16 SERT

Role:

Hours completed so far: 108

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	08/01/2016	The day began with travelling from Dorchester to the Purbeck National trust site. Once everyone on the team had arrived I began pitching a 2 man tent with a team member. Once tents were pitched we preceeded to allocate storage areas for personal belongings and food reserves. After this was completed we all went to an area in Studland heathland to identify species which are found in the heathlands that we were to be visiting in the coming days. samples were also collected and brought back to the base camp for inspection.	Gained experience in the identification of heathland plant species and how species in wet heathland habitats differ from those in dry heathland.	10
2	08/02/2016	discussed extensively how the day would be carried out and equipment was allocated to each of the team members. Used GPS to find sites. Used 20 metre string attached to poles. poles were placed in the ground and the string was walked out 20 metres in North, East, South and west directions from the centre pole to allow us to allocate our site area transect. team member and I then randomly placed 5 2M quadrats within the transect and determined percentage cover in this area. This was completed at 8 different locations.	GPS use for orientation and mapping of area. use of transects and quadratting combined with further knowledge of plant identification. Time management skills were also used.	10
3	08/03/2016	had one less site to work on due to the discovery of a nightjar next on one of our sites on the previous day. we revisited all other sites and placed down four pan traps per site, carried out pollinator surveys and whole site surveys. the evening consisted of inputting data onto an excel document.	developed a more in depth knowledge on pollinators. using pan traps. site analysis in whole site format was used.	11

4	08/04/2016	had new sites to visit and so discussed duties and information regarding the new locations we'd be visiting. we then walked to the nearby sites and navigated our way to them using GPS device. There were a number of dangerous myres on route so it was essential that we kept our wits about us. we did our transect quadratting, whole sites and pollinators surveys over four sites. I then inputted data onto excel and then we then had an arachnid expert discuss the species found in the UK	wide range of survey experience was yet again gained. orientation skills were thoroughly tested also. we also managed to identify and species which were not registered on previous days. which helped with the identification of new species and helped with knowledge on the habitat that certain species are found in	12
5	08/05/2016	Deer surveys. took the minibus to Knoll Beach car park near the village of Studland. we then had a briefing on how to determine whether or not sika deer have been present in the area and ways of telling how large an impact on the forest they are having. me and my team then travelled through our section of the forest and noted down all the evidence of deer that we found. Deer evidence noted included droppings, tracks and evidence of foraging on plants and trees. in the early evening we met with an entimologist who showed us techniques for sweep netting.	new terminology used for deers. learned more about how to identify plants and trees in British woodland. we also learned a lot about hoverflies, and other pollinators from the expert entimologist who we met.	10
6	08/08/2016	Deer survey on the site which was very near to the national trust purbeck camping site where we stayed which was called Kingswood. during this survey many sika deer were spotted. we used all o the techniques used on Friday the 5th of August to allow us to make an estimate on the impact of the deer in this stretch of woodland.	good communication was key due to the splitting of the group which was necessary in order to cover the land befor it got too dark in the forest and no group member had phone signal. Also once agin used our knowledge learned on the previous day of analysing deer impact in the area.	12
7	08/09/2016	Moth identification was carried out first thing in the morning which included getting moths out of a trap which was left overnight near to the campsite. Once the moths were out of the trap the group worked together to identify each species of moth. The team then competed it's final deer survey at Langton Westwood using surveying techniques previously mentioned. once back at camp the team discussed results from the deer surveys.	moth trapping and identification skills gained, further navigatinal skills tested and more knowledge gained on deers and how to determine their presence	10

8	08/10/2016	The team then ventured over to Hartland Heath for work on seven survey sites. we coducted pollinator whole site, trabsect quadratting and hoverfly surveys at these seven sites. In the evening data was added to the excel document and transferred to another hard drive.	GPS used again, further knowledge on heathland plants tested.	11
9	08/11/2016	Final surveys were made at Arne RSPB reserve. Pollinator, Quadratting, whole site and hoverfly surveys were carried out. The evening was spent typing up all outstanding data onto excel document and preparing a short presentation on our deer surveys for the next day.	data collection, GPS and data analysis	13
10	08/12/2016	topping up on the deer presentation, work on creating graphs for the different pollinator findings at the differing locations visited and the preparation of a short presentation using these graphs.	Presentation skills, graph formatting on excel, orgaisation skills tested.	9
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			Total hours	108

Name: **Samuel Leak**

Project: **Purbeck Heath 16 SERT**

Role:

Hours completed so far: **114**

Activity Log

	Date	Work completed	Skills and personal attributes gained or used	Hours worked
1	08/01	I attended and completed a introduction to the SERT. The indroduction included aims, objective and method of both the heathland and woodland surveys for the SERT as well as a detailed description of the activitys to be carried out on the SERT, The indroduction also included a flora identification activity aimed at improving identification skills for the heathland survey. I then helped with the logistics of the SERT by driving my colleagues to buy previsions.	I used timekeeping/ organisation skills to be punctual to the indroduction. I also improved my identification skills in the flora identification activity undertaken and after some independant study. Finally, I used my listerning/ communication skills to understand and take onboard a large amount of information given to us throughout the day.	8.5
2	08/02	I attended a further introdction with regards to general information about the Heathland survey an how it will be carry out. This also included a basic intro to using a GPS device so we can use them on the survey. Then I drove my collegues to local shops to pick up needed supplys, before driving back to the studland area to carry out the first part of the heathland survey. the survey was done by using my newly gained skills to first find (using the GPS) sites and them using random quadrting access (using identification skills) the flora in five areas of the site. finally I drove my collegues back to the camp site.	I used my organisation skills to arrive on time for the day, I also used my improved identification skills to carry out the survey. finally i used my communication skills to learn how to use a GPS device and work in a team to collect useful data.	9.5
3	08/03	Today I continued random quadrating, completed pollinator surveys and whole site surveys. |Later we began data entry and concluded day with talk on the importance of conservation and of the different uses of the data we have collected.	Continued developing identification skills as well as organisation skill as my team had many sites to visit in a short amount of time. Also used communication/ listerning skills to understand the information given to use in the talk. Finally showed good work ethic to visit and survey 7 sites ir the limited amount of time we had.	9.5

4	08/04	Complete the last of the heathland surveys in the Studland and Godlingston area by visiting 5 site where we carried out random quadrating, some whole site surveys and some pollinator surveys. After this I entered all the data collected on the day and attended a spider talk about the common spiders found in the UK and some basic spider morphology.	Further improved identification, organisation , communication and team work skills whilst collecting data.	11
5	08/05	Attended an introduction to the deer impact survey which included a further species identification activity as wel as a demonstration showing the key signs of deer activity. We then conducted a deer impact survey in small teams. Later we attended a sweep netting and basic entomology introduction on studland in which we where given a sweepnetting demonstrations a shown basic insect identification skills.	Learned new sampling technique and improved both my flora and insect identification skills. Also used my organisation, communication and team work skills.	9
6	08/07	Entered and double checked data collected earlier in the week		2
7	08/08	At the start of the day we attended a meeting where data entry, further surveying and the activities we would be doing throughout the week where discussed. I then drove to studland to conclude the sampling of the sites, I then drove us back to the base are where we attended an indroduction to moth trappping before heading out to complete another deer impact survey in studland wood.	Learned the basics of moth trapping as well as improving deer impact identification skills and organisation skills	10
8	08/09	We first attended a moth trapping and identification activity in which we identified a number of species. Later I drove us out to the site of the final deer impact survey. I then drove us back to the basr area where we continued data entre and I started t write a report on one of the woodland we had visited for the deer impact survey.	learned more about moth trapping as well as basic moth identification skills. further improved communication and organisation skills	10
9	08/10	We first found out the site we would be surveying ir the second part of the heathland surveys. So i started to prepare for the day by entering GPS coordinates and checking kit. I then drove out to the site and completed the surveying before heading back to base to begin entering the data collected throughout the day.	organisation skills to prepare for the day, team work and comunication skills to visit all the sites with a single day.	10

10	08/11	We first found out and prepared for anther day of visiting lots of site. I then drove us out to the site where we began data collection. Once data collection had been completed I then drove use back to base where I continued data entry before attending a visit to a bat roost where we here given a talk about bat species within the UK. I then drove us back to the base where I completed all the data entry	showed a good work ethic to complete a lot of work in a short amount of time. used my organisation skills to prepare for the day. Used comunication and team work skills to survey a large number of sites	16
11	08/12	began the day by helping colleagues with transport to the base area, then provided data to appropriate colleague. Next completed equippment check and general tidy of base area. finally gave presentation of deer inpact survey report.	Public speaking, communication, organisation and good time keeping,	9.5
12	24/08	began to write part of the report on pollinators. whilst writing the report i also made some graphs to illustrate the points i waas making as well as find refrences to support my points.	improved my written communication skills.	6
13	10/03	Began and completed the entry of six of the visited sits onto LivingRecords, the national trusts data collection site.This includes DAFOR scale and average percentage cover of each species.	used the National trust guide to be abale to corectly enter the data.	3
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