

Site Risk Assessment

<p>Team Name / No.: Year 3, Group 2</p> <p>Project Name: Year 3 Scenario Week Surveying Project</p> <p>Produced by: T. CAMPBELL, M. CHOURFI, S. MOTWANI, G. NYCZ, N. ORTEGA POBLETE, J. SAKAMOTO</p> <p>Checked by: _____</p> <p>Approved by: _____</p> <p>Date Approved: _____</p> <p>Version / Doc Ref: Group2HereEastSurvey Version 1</p>	<p style="color: blue;">Likelihood of Arising</p> <p>0 = Negligible 1 = Very Unlikely 2 = Unlikely 3 = Likely 4 = Very Likely 5 = Almost Certain</p>	<p style="color: blue;">Severity of Impact</p> <p>0 = No injury or Illness 1 = First aid injury or illness 2 = Minor injury or illness 3 = <3 day lost time incident 4 = >3 day lost time incident 5 = Fatality, disabling injury, etc</p>	<p style="color: blue;">Risk Matrix</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tr> <td colspan="2"></td> <td colspan="5">Risk = Severity x Likelihood</td> </tr> <tr> <td rowspan="6" style="writing-mode: vertical-rl; transform: rotate(180deg);">Severity</td> <td>5</td> <td>0</td> <td>5</td> <td>10</td> <td>15</td> <td>20</td> <td>25</td> </tr> <tr> <td>4</td> <td>0</td> <td>4</td> <td>8</td> <td>12</td> <td>16</td> <td>20</td> </tr> <tr> <td>3</td> <td>0</td> <td>3</td> <td>6</td> <td>9</td> <td>12</td> <td>15</td> </tr> <tr> <td>2</td> <td>0</td> <td>2</td> <td>4</td> <td>6</td> <td>8</td> <td>10</td> </tr> <tr> <td>1</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td colspan="2"></td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td colspan="2"></td> <td colspan="5">Likelihood</td> </tr> </table>			Risk = Severity x Likelihood					Severity	5	0	5	10	15	20	25	4	0	4	8	12	16	20	3	0	3	6	9	12	15	2	0	2	4	6	8	10	1	0	1	2	3	4	5	0	0	0	0	0	0	0			0	1	2	3	4	5			Likelihood				
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Hazard Ref	Pre-Control Measure						Control Measure	Post-Control Measure		
	Hazard	Person(s) at risk	Description of Risk	Likelihood of arising	Severity of Impact	Risk		Residual Likelihood	Residual Severity	Residual Risk
HEREE001	Cold Temperatures	Team Members carrying out survey work	Risk of illness – hypothermia, colds, flu, respiratory issues – from working outside in the cold weather.	3	3	9	All participants will wear adequate clothing – including gloves, hats, winter coats, winter socks and thick waterproof shoes (Wellington boots or Hiking boots etc). Participants will take regular breaks to head inside and warm up. If the temperature drops too low participants will head inside indefinitely until weather or temperature improves.	1	3	3
HEREE002	Ice, Snow, Rainfall	Team Members carrying out survey work	Risk of slips and falls due to surfaces becoming slippery under snow or rainfall. In cold temperatures this can be further compounded by wet surfaces becoming coated in ice.	4	3	12	Adequate footwear with proper grip to be worn at all times. All footwear must be high sided to avoid sprained/twisted ankles. Where possible snow and ice should be cleared or coated in salt to improve ground conditions.	2	2	4
HEREE003	Poor Visibility	Team Members carrying out survey work	Difficulty identifying other hazards – vehicles, equipment, trip hazards, other persons – when working in poor visibility – fog, mist, snowfall.	2	5	10	Participants should wear high-visibility jackets at all times. If visibility becomes too low participants should head inside indefinitely until conditions improve. If visibility drops too low working will become impossible anyway, as visibility up to around 30 – 50m is required for the exterior levelling practical – this range is also enough to clearly see any dangers, such that working will become impossible well before conditions become dangerous.	0	5	0

HEREE004	Vehicles, Working Near Roads	Team Members carrying out survey work	Risk of injury from collision with vehicles whilst working near, and crossing, roads.	1	4	4	Participants should wear high-visibility jackets at all times. Participants should always work far away from the road. There is little to no traffic in the area, and a low speed-limit, such that there is already minimal risk.	0	4	4
HEREE005	Working Near Water	Team Members carrying out survey work	Risk of drowning, or injury from impacts and cuts due to sharp objects submerged beneath water surface	2	5	10	Lone working near water is not allowed. Students will be told to work at a safe distance from the water and not to spend any unnecessary time near the canal.	0	5	0
HEREE006	Dealing with the Public	Team Members carrying out survey work	Risk of injury from confrontation with member of the public	1	5	5	Act with civility and politeness at all times. Participants will carry their UCL ID cards with them at all times, and in difficult situations can call a supervisor. Do not wear clothes that may cause offence/attract unwanted attention.	0	5	0
HEREE007	Environment/ Topography Exterior	Team Members carrying out survey work	Risk of injury from falling from heights or tripping – Exterior setting	1	2	2	All exterior sites that participants are working on are stable, with minimum elevation change.	1	2	2
HEREE008	Environment/ Topography Interior	Team Members carrying out survey work	Risk of injury from falling from heights or tripping	1	3	3	All high places in the main auditorium are properly fitted with railings, where possible participants will also be instructed to select points away from the edge when performing surveying tasks.	1	3	3
HEREE009	Interior - Fire	Team Members carrying out survey work	Risk of death and injury from fire in building	1	5	5	All participants know and will be reminded of fire safety procedures and locations of fire exits. The equipment used for surveying poses no risk of causing fires in itself.	1	5	5
HEREE010	Lone Working	Team Members carrying out survey work	Difficulty in summoning help in event of other hazard/accident occurring	1	3	3	All work is already planned to be conducted in groups. Each person has a way of contacting help (mobile phone) on them. Site is managed by Here East and UCL, and a supervisor is always on site.	0	3	0
HEREE011	Catching Covid-19 or other illness	Team Members, supervisors, members of the public	Risk of spreading/catching illness – in particular Covid-19 – whilst working with other persons	2	4	8	Participants will adhere to the building covid regulations and UCL guidance Wherever possible contact between people will be reduced, cohort split into groups Only one type of space is used per day, outdoor teaching taking place where possible. Hand sanitiser will be made available, supervisors will encourage everyone to follow hand hygiene procedures. Students will be reminded to stay at home if they feel unwell, get tested for COVID-19 twice a week even if they don't have symptoms and wash their hands frequently. Shared items and areas must be sprayed/wiped down with standard disinfectants between contact by users. Participants with prescribed or essential medication should always keep it on them.	1	4	4

HEREE012	Survey Peg	Team Members carrying out survey work	Risk of injury from tripping over survey pegs not installed flush with ground	3	3	9	Team members to be briefed on importance of installing survey pegs as flush to ground as possible. Where survey pegs cannot be installed flush, they will be highlighted to team members and warning marked for others. All team members to wear appropriate footwear (safety boots) at all times.	1	3	3
HEREE013	Levelling Staff	Team Members carrying out survey work	Risk of electrocution if metal staff collides with power lines, or if staff is carried outside during a storm.	2	5	10	Do not use a staff near overhead electricity cables. Do not use staff during thunderstorms.	0	5	0
HEREE014	Levelling Staff	Team Members carrying out survey work	Risk of injury from careless handling of staff through impact with other team members	4	2	8	Carry the staff upright and be mindful of surroundings so as not to hit anything or anyone. Place staff down in clean area when not in use or transporting.	2	2	4
HEREE015	Tripods, Total Stations	Team Members carrying out survey work	Risk of tripping over tripods or other equipment. Risk of injury from dropping heavy equipment, or collision with other person(s) whilst carrying equipment	3	3	9	All participants will be made aware of the location and setup of tripods – though these will already be clearly visible. When carrying equipment, a second participant will be present to open doors and provide assistance if needed. All kit is less than 10kg, such that carrying and dropping it is unlikely. Where cases and straps are provided these should be used to minimise risk of dropping. Participants should wear steel toed or solid boots to avoid injuries from dropping heavy equipment. The equipment should provide no danger – all internal electronics are secured away from participants and equipment will be checked for damage prior to use.	1	2	2
HEREE016	Musculo-skeletal injury from push, pull, lift load	Team Members carrying out survey work	Risk of injury resulting from incorrect handling and moving of equipment and loads	2	3	6	All kit is less than 10kg. All tasks are within reason limits, persons physically unsuited for MH are prohibited from doing so. Students will use handles and support straps were provided and will be advised not to overestimate their own strength and to strain themselves. Students will be advised not to exert themselves when cold; warm clothing should be worn. Repetitive tasks should be shared around the group to avoid repetitive strain. Persons should balance loads and switch carrying on their LHS and RHS.	1	3	3