

# Geography Fieldwork Study

## River Aussonnelle September 2020

IGCSE Geography – Coursework

How does the River Aussonnelle change downstream?

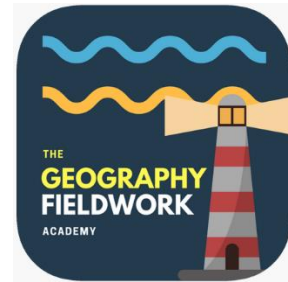
Data Collection Booklet

Name \_\_\_\_\_

## Equipment Needed For Each Group

All the equipment will be provided for you but I highly recommend that you download the GeogIT Fieldwork App as this collates all your data and will save you considerable time. It costs just over €1.00.

- **Stopwatch**
- **Measuring tape**
- **Meter ruler**
- **30 cm ruler**
- **Metal chain**
- **Dog biscuits**
- **Vernier calipers**
- **Clinometer**
- **Ranging Pole**
- **GeogIT, the Geography Fieldwork app (€1) Android or Apple.**



Additionally, please bring with you

- **Pencils & pens**
- **Mobile Phone (with app downloaded and phone fully charged).**
- **Clipboard**
- **plastic wallets**
- **sun cream**
- **mosquito repellent**
- **bin bag**
- **plenty of water to drink**
- **towel**
- **dry shoes & wet shoes (you will be walking in a river)**
- **change of clothing**
- **shorts**

## Groupings for the Fieldwork

You will be working in the following groups during the field visit. They are mixed groups of G10 and G12 students. The G12 students are the team leaders and will ensure that everyone has their own tasks to do (methodology, photography, entering data into app etc).

Team leaders are responsible for getting the data collected in the time we have at each of the seven sites. Please work together to collect as much data as possible.

<b>Group 1</b>			<b>Group 2</b>		
Jack	G12		Mary	G12	
Amelie	G12		James	G12	
Josh	G12		Jose	G12	
Embrun	G10		Clarissa	G10	
Marie S	G10		Advait	G10	
			Christie	G10	
			<b>Group 4</b>		
<b>Group 3</b>			Maddy	G12	
Harry	G12		Kristo	G12	
Zoe	G12		Aksh	G10	
Amelia	G10		Imogen	G10	
Kenzie	G10		Rozenn	G10	
Pablo V	G10				
<b>Group 5</b>			<b>Accompanying teachers:</b>		
Miguel	G12		MPO		
George	G12		JPA		
Pablo G	G10		SMA		
Louella	G10				
Rebecca	G10				
Matias	G10		<b>Emergency Phone:</b>		

<b>Data Collection Sheet</b>		Site No.	
<b>General Observations</b>			
<b>Site Sketch</b>		Look for and label	
		<b>Physical Features</b> <input type="checkbox"/> Meanders <input type="checkbox"/> River cliffs <input type="checkbox"/> Slip off slopes <input type="checkbox"/> V shaped valleys <input type="checkbox"/> Interlocking spurs <input type="checkbox"/> Scree/Boulders <input type="checkbox"/> River Beaches <input type="checkbox"/> Steep valley sides <input type="checkbox"/> Floodplain <input type="checkbox"/> River channel <input type="checkbox"/> Tributaries <input type="checkbox"/> Waterfalls <input type="checkbox"/> Vegetation	
		<b>Human Features</b> <input type="checkbox"/> Paths <input type="checkbox"/> Walls <input type="checkbox"/> Buildings <input type="checkbox"/> Land-use <input type="checkbox"/> Weirs <input type="checkbox"/> Bridges <input type="checkbox"/> Tourism	
		<b>Processes</b> <input type="checkbox"/> Erosion <input type="checkbox"/> Deposition  Other key features	
<b>Site Description</b>		<b>Evidence of Human Impacts</b>	

Measurements - ALL MEASUREMENTS SHOULD BE IN METRES									
Occupied Channel Width			m		Bankfull Width			m	
Wetted Perimeter			m		Gradient			°	
Cross Sectional Profile									
Right bank (RB) as looking downstream					Channel Depth Interval			m	
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
Velocity [metres per second]									
Flowmeter Method					Floating Item Method				
	RB	Centre	LB			Time	Distance	Velocity	
Trial 1					Run 1	sec	m	m/s	
Trial 2					Run 2	sec	m	m/s	
Trail 3					Run 3	sec	m	m/s	
	Average	Average	Average			Average	Average	Average	
Bedload Size									
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
Bedload Shape									
1 [RB]	2	3	4	5	6	7	8	9	10
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average

<b>Data Collection Sheet</b>		<b>Site No.</b>	
<b>General Observations</b>			
<b>Site Sketch</b>		<b>Look for and label</b>	
		<b>Physical Features</b> <input type="checkbox"/> Meanders <input type="checkbox"/> River cliffs <input type="checkbox"/> Slip off slopes <input type="checkbox"/> V shaped valleys <input type="checkbox"/> Interlocking spurs <input type="checkbox"/> Scree/Boulders <input type="checkbox"/> River Beaches <input type="checkbox"/> Steep valley sides <input type="checkbox"/> Floodplain <input type="checkbox"/> River channel <input type="checkbox"/> Tributaries <input type="checkbox"/> Waterfalls <input type="checkbox"/> Vegetation	
		<b>Human Features</b> <input type="checkbox"/> Paths <input type="checkbox"/> Walls <input type="checkbox"/> Buildings <input type="checkbox"/> Land-use <input type="checkbox"/> Weirs <input type="checkbox"/> Bridges <input type="checkbox"/> Tourism	
		<b>Processes</b> <input type="checkbox"/> Erosion <input type="checkbox"/> Deposition  <b>Other key features</b>	
<b>Site Description</b>		<b>Evidence of Human Impacts</b>	

Measurements - ALL MEASUREMENTS SHOULD BE IN METRES									
Occupied Channel Width			m		Bankfull Width			m	
Wetted Perimeter			m		Gradient			°	
Cross Sectional Profile									
Right bank (RB) as looking downstream					Channel Depth Interval			m	
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
Velocity [metres per second]									
Flowmeter Method					Floating Item Method				
	RB	Centre	LB			Time	Distance	Velocity	
Trial 1					Run 1	sec	m	m/s	
Trial 2					Run 2	sec	m	m/s	
Trail 3					Run 3	sec	m	m/s	
	Average	Average	Average			Average	Average	Average	
Bedload Size									
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
Bedload Shape									
1 [RB]	2	3	4	5	6	7	8	9	10
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average

<b>Data Collection Sheet</b>		<b>Site No.</b>	
<b>General Observations</b>			
<b>Site Sketch</b>		<b>Look for and label</b>	
		<b>Physical Features</b> <input type="checkbox"/> Meanders <input type="checkbox"/> River cliffs <input type="checkbox"/> Slip off slopes <input type="checkbox"/> V shaped valleys <input type="checkbox"/> Interlocking spurs <input type="checkbox"/> Scree/Boulders <input type="checkbox"/> River Beaches <input type="checkbox"/> Steep valley sides <input type="checkbox"/> Floodplain <input type="checkbox"/> River channel <input type="checkbox"/> Tributaries <input type="checkbox"/> Waterfalls <input type="checkbox"/> Vegetation	
		<b>Human Features</b> <input type="checkbox"/> Paths <input type="checkbox"/> Walls <input type="checkbox"/> Buildings <input type="checkbox"/> Land-use <input type="checkbox"/> Weirs <input type="checkbox"/> Bridges <input type="checkbox"/> Tourism	
		<b>Processes</b> <input type="checkbox"/> Erosion <input type="checkbox"/> Deposition  Other key features	
<b>Site Description</b>		<b>Evidence of Human Impacts</b>	



Measurements - ALL MEASUREMENTS SHOULD BE IN METRES									
Occupied Channel Width			m		Bankfull Width			m	
Wetted Perimeter			m		Gradient			°	
Cross Sectional Profile									
Right bank (RB) as looking downstream					Channel Depth Interval			m	
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
Velocity [metres per second]									
Flowmeter Method					Floating Item Method				
	RB	Centre	LB			Time	Distance	Velocity	
Trial 1					Run 1	sec	m	m/s	
Trial 2					Run 2	sec	m	m/s	
Trail 3					Run 3	sec	m	m/s	
	Average	Average	Average			Average	Average	Average	
Bedload Size									
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
Bedload Shape									
1 [RB]	2	3	4	5	6	7	8	9	10
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average

<b>Data Collection Sheet</b>		<b>Site No.</b>	
<b>General Observations</b>			
<b>Site Sketch</b>		<b>Look for and label</b>	
		<b>Physical Features</b> <input type="checkbox"/> Meanders <input type="checkbox"/> River cliffs <input type="checkbox"/> Slip off slopes <input type="checkbox"/> V shaped valleys <input type="checkbox"/> Interlocking spurs <input type="checkbox"/> Scree/Boulders <input type="checkbox"/> River Beaches <input type="checkbox"/> Steep valley sides <input type="checkbox"/> Floodplain <input type="checkbox"/> River channel <input type="checkbox"/> Tributaries <input type="checkbox"/> Waterfalls <input type="checkbox"/> Vegetation	
		<b>Human Features</b> <input type="checkbox"/> Paths <input type="checkbox"/> Walls <input type="checkbox"/> Buildings <input type="checkbox"/> Land-use <input type="checkbox"/> Weirs <input type="checkbox"/> Bridges <input type="checkbox"/> Tourism	
		<b>Processes</b> <input type="checkbox"/> Erosion <input type="checkbox"/> Deposition  <b>Other key features</b>	
<b>Site Description</b>		<b>Evidence of Human Impacts</b>	

Measurements - ALL MEASUREMENTS SHOULD BE IN METRES									
Occupied Channel Width			m		Bankfull Width			m	
Wetted Perimeter			m		Gradient			°	
Cross Sectional Profile									
Right bank (RB) as looking downstream					Channel Depth Interval			m	
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
Velocity [metres per second]									
Flowmeter Method					Floating Item Method				
	RB	Centre	LB			Time	Distance	Velocity	
Trial 1					Run 1	sec	m	m/s	
Trial 2					Run 2	sec	m	m/s	
Trail 3					Run 3	sec	m	m/s	
	Average	Average	Average			Average	Average	Average	
Bedload Size									
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
Bedload Shape									
1 [RB]	2	3	4	5	6	7	8	9	10
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average

<b>Data Collection Sheet</b>		<b>Site No.</b>	
<b>General Observations</b>			
<b>Site Sketch</b>		<b>Look for and label</b>	
		<b>Physical Features</b> <input type="checkbox"/> Meanders <input type="checkbox"/> River cliffs <input type="checkbox"/> Slip off slopes <input type="checkbox"/> V shaped valleys <input type="checkbox"/> Interlocking spurs <input type="checkbox"/> Scree/Boulders <input type="checkbox"/> River Beaches <input type="checkbox"/> Steep valley sides <input type="checkbox"/> Floodplain <input type="checkbox"/> River channel <input type="checkbox"/> Tributaries <input type="checkbox"/> Waterfalls <input type="checkbox"/> Vegetation	
		<b>Human Features</b> <input type="checkbox"/> Paths <input type="checkbox"/> Walls <input type="checkbox"/> Buildings <input type="checkbox"/> Land-use <input type="checkbox"/> Weirs <input type="checkbox"/> Bridges <input type="checkbox"/> Tourism	
		<b>Processes</b> <input type="checkbox"/> Erosion <input type="checkbox"/> Deposition  Other key features	
<b>Site Description</b>		<b>Evidence of Human Impacts</b>	

Measurements - ALL MEASUREMENTS SHOULD BE IN METRES									
Occupied Channel Width			m		Bankfull Width			m	
Wetted Perimeter			m		Gradient			°	
Cross Sectional Profile									
Right bank (RB) as looking downstream					Channel Depth Interval			m	
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
Velocity [metres per second]									
Flowmeter Method					Floating Item Method				
	RB	Centre	LB			Time	Distance	Velocity	
Trial 1					Run 1	sec	m	m/s	
Trial 2					Run 2	sec	m	m/s	
Trail 3					Run 3	sec	m	m/s	
	Average	Average	Average			Average	Average	Average	
Bedload Size									
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
Bedload Shape									
1 [RB]	2	3	4	5	6	7	8	9	10
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average

<b>Data Collection Sheet</b>		<b>Site No.</b>	
<b>General Observations</b>			
<b>Site Sketch</b>		<b>Look for and label</b>	
		<b>Physical Features</b> <input type="checkbox"/> Meanders <input type="checkbox"/> River cliffs <input type="checkbox"/> Slip off slopes <input type="checkbox"/> V shaped valleys <input type="checkbox"/> Interlocking spurs <input type="checkbox"/> Scree/Boulders <input type="checkbox"/> River Beaches <input type="checkbox"/> Steep valley sides <input type="checkbox"/> Floodplain <input type="checkbox"/> River channel <input type="checkbox"/> Tributaries <input type="checkbox"/> Waterfalls <input type="checkbox"/> Vegetation	
		<b>Human Features</b> <input type="checkbox"/> Paths <input type="checkbox"/> Walls <input type="checkbox"/> Buildings <input type="checkbox"/> Land-use <input type="checkbox"/> Weirs <input type="checkbox"/> Bridges <input type="checkbox"/> Tourism	
		<b>Processes</b> <input type="checkbox"/> Erosion <input type="checkbox"/> Deposition	
		<b>Other key features</b>	
<b>Site Description</b>		<b>Evidence of Human Impacts</b>	

Measurements - ALL MEASUREMENTS SHOULD BE IN METRES									
Occupied Channel Width			m		Bankfull Width			m	
Wetted Perimeter			m		Gradient			°	
Cross Sectional Profile									
Right bank (RB) as looking downstream					Channel Depth Interval			m	
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
Velocity [metres per second]									
Flowmeter Method					Floating Item Method				
	RB	Centre	LB			Time	Distance	Velocity	
Trial 1					Run 1	sec	m	m/s	
Trial 2					Run 2	sec	m	m/s	
Trail 3					Run 3	sec	m	m/s	
	Average	Average	Average			Average	Average	Average	
Bedload Size									
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
Bedload Shape									
1 [RB]	2	3	4	5	6	7	8	9	10
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average

<b>Data Collection Sheet</b>		<b>Site No.</b>	
<b>General Observations</b>			
<b>Site Sketch</b>		<b>Look for and label</b>	
		<b>Physical Features</b> <input type="checkbox"/> Meanders <input type="checkbox"/> River cliffs <input type="checkbox"/> Slip off slopes <input type="checkbox"/> V shaped valleys <input type="checkbox"/> Interlocking spurs <input type="checkbox"/> Scree/Boulders <input type="checkbox"/> River Beaches <input type="checkbox"/> Steep valley sides <input type="checkbox"/> Floodplain <input type="checkbox"/> River channel <input type="checkbox"/> Tributaries <input type="checkbox"/> Waterfalls <input type="checkbox"/> Vegetation	
		<b>Human Features</b> <input type="checkbox"/> Paths <input type="checkbox"/> Walls <input type="checkbox"/> Buildings <input type="checkbox"/> Land-use <input type="checkbox"/> Weirs <input type="checkbox"/> Bridges <input type="checkbox"/> Tourism	
		<b>Processes</b> <input type="checkbox"/> Erosion <input type="checkbox"/> Deposition  <b>Other key features</b>	
<b>Site Description</b>		<b>Evidence of Human Impacts</b>	



Measurements - ALL MEASUREMENTS SHOULD BE IN METRES									
Occupied Channel Width			m		Bankfull Width			m	
Wetted Perimeter			m		Gradient			°	
Cross Sectional Profile									
Right bank (RB) as looking downstream					Channel Depth Interval			m	
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
Velocity [metres per second]									
Flowmeter Method					Floating Item Method				
	RB	Centre	LB			Time	Distance	Velocity	
Trial 1					Run 1	sec	m	m/s	
Trial 2					Run 2	sec	m	m/s	
Trail 3					Run 3	sec	m	m/s	
	Average	Average	Average			Average	Average	Average	
Bedload Size									
1 [RB]	2	3	4	5	6	7	8	9	10
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
m	m	m	m	m	m	m	m	m	m
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
Bedload Shape									
1 [RB]	2	3	4	5	6	7	8	9	10
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average