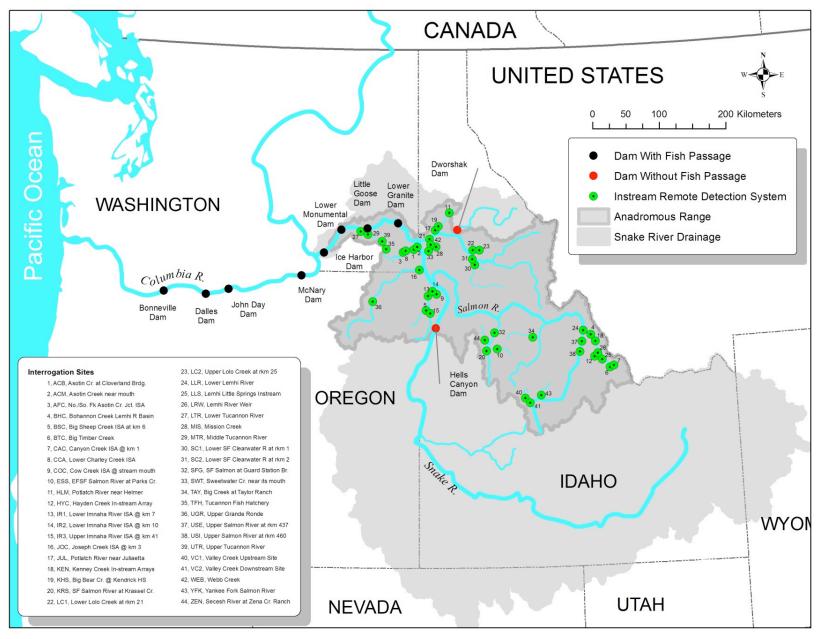
Following F	ishes Work	Sheet	Pit Tag Numb	Pit Tag Number:		
2) Click on the L 3) Enter your fis 4) Click Run Do 5) Click on the L	AGIS website (wo Data tab, then Quant th tag number in the book History Summar	the head of the he	complete Tag History.  ading "Value"  d record your records in the fall the detection locations of yany additional information in	your fish.	ation De	tails column.
Fish Species:		Release Date:	Release Site:	Fish Length:		Fish Weight:
Obs. Date	Event Type	Site Name (detect	ion location)		Obser	vation Details

Name: \_\_\_\_\_\_ Date: \_\_\_\_\_\_ Period: \_\_\_\_\_

7) Plot your fish's migration on the map below. Based on the date of observation, use "1" at the first location, "2" at the second and so on.



8)	Use the table to answer the following questions: a. Did your fish make it to the ocean?					
	b. How long did this trip take?					
	c. Did your fish return from the ocean?					
	d. How long was your fish away from its natal stream?					
	e. Did your fish return to a stream to spawn?					
	f. Did your fish head back out to the ocean after spawning? (hint: compare the dates of juvenile and adult fish					
	passage)					
	g. How do you know?					
Di	rections: Part 2- The Salmon Run					
9)	Now go to age DART database (http://www.cbr.washington.edu/dart).					
10	) Under the <u>Adult Salmon Passage</u> heading click on <i>PIT Tag Adult Returns.</i>					
11	11) Select the <b>year</b> that your fish migrated back from the ocean (You got this from Ptagis). Also select <b>Bonneville Dam</b>					
40	Adult Fishways Columbia Mainstem, All Runs, and All Rear Types					
12	12) Under <u>Include River Environment</u> select <b>Bon-Bonneville, Inflow, and Outflow</b> (you need to hold down the shift button to select multiple criteria).					
13	) Click on <b>Submit Query</b> and <i>print the graph</i> .					
	) Answer the following questions from the Bonneville graph.					
	a. When is the peak water flow at Bonneville Dam?					
	b. When is the peak fish run at Bonneville Dam?					
	c. Are fish moving with the flow of water or against it?					
	d. What conclusions can you draw from this observation?					

,	Repeat steps 15 -21 except Select Lower Granite Dam Adult Fishway, Snake for the observation location and LWG-Lower Granite for River Site					
	Answer the following questions from the Lower Granite graph.					
,						
a.	When is the peak water flow at Lower Granite Dam?					
b.	When is the peak fish run at Lower Granite Dam?					
17) (	Comparing the two graphs answer the following questions.					
,	How long does it take for the peak of the fish run to travel from Bonneville Dam to Lower Granit Dam?					
a.	Thow long does it take for the peak of the high run to traver from Bornieville Barn to Lower Granit Barn:					
b.	How does the pattern of fish migration change from Dam to Dam?					
C.	What is the difference in kcfs (Thousands of Cubic Feet per Second) flow between the two dams at peak migration?					
d.	Create a hypothesis that explains why this flow is different.					
e.	Create a hypothesis that explains why this flow is important.					
f.	Create a hypothesis to predict what would happen if the flows change.					
web 19) ( 20) I	Go to <a href="http://www.nwp.usace.army.mil/Missions/Environment/Fish.aspx">http://www.nwp.usace.army.mil/Missions/Environment/Fish.aspx</a> This is the US Army Corp of Engineers is site for the Portland District.  Click green <i>Fish Cameras</i> button on the right of the page.  If you watch for a few moments you may see fish passing as they climb the fish ladders to cross Bonneville Dam Record the time you watched and the number of fish you saw.					
	Time: Number of Fish:					