



**CALIFORNIA STATE SCIENCE FAIR  
2015 PROJECT SUMMARY**

<b>Name(s)</b> <b>Tia N. Salika</b>	<b>Project Number</b> <b>J2112</b>
<b>Project Title</b> <b>The Effects of Salt Intrusion on Plant Growth</b>	
<div><div><b>Objectives/Goals</b> My objective was to see the effect of salt on plant growth.</div><div><b>Methods/Materials</b> I planted 40 snap peas with 10 in each section (in total there were 4 sections). Once a week I measured the height, number of leaves, and coloration. Also once a week I gave each section equal amounts of 1 liter of tap water with salt added (no salt was added to the control group). Two times a week I collected soil samples, let them sit overnight with the lids off to dry, measure out 500 grams of dried soil, then add 100 ml of distilled water and measured the salinity, pH, and temperature.</div><div><b>Results</b> Overall, control had the most leaves, treatment 4 had the highest height, and treatment 4 all had brown leaves at the bottom.</div><div><b>Conclusions/Discussion</b> I noticed that by the end of my experiment all of treatment 4's plants had brown leaves. The conclusion I drew from that was: salt will kill the plants because of buildup of salt in the plant.</div></div>	
<b>Summary Statement</b> The affects of salt on snap peas.	
<b>Help Received</b> Dad found articles online and helped me use Numbers correctly.	