



Name(s)	Project Number
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	3110
Project Title	
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Nurdles and Ports	
Objectives/Goals Abstract	
The purpose of my project was to determine if the amount of nur	dles found on the shoreline could be
affected by the distance from a port. Nurdles are the raw form of plastic products and are found in small,	
lightweight pellets. The site closest to the port seems the most likely to have the largest amount of nurdles	
since they could be easily spilled during transportation.	
Methods/Materials	re abasan to conduct number counts in
Three different sites on the south side of the Long Beach port were chosen to conduct nurdles counts in five trials. A measuring tape was used to mark off a 60 centimeter square in the sand. Nurdles were	
collected using a sifter and counted from that square. The average of the trials were taken for each site and	
compared to one another.	
Results	
My results show from the three sites I went to, the site farthest from the three sites I went to, the site farthest from the three sites I went to a site farthest from the three sites I went to be a site for the site farthest from the three sites I went to be a site for the site farthest from the three sites I went to be a site for the site farthest from the three sites I went to be a site for the site farthest from the three sites I went to be a site for the site farthest from the three sites I went to be a site for the site farthest from the three sites I went to be a site for the site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest from the three sites I went to be a site farthest fart	
nurdles. In contrast, the site closest to the port had the least amount of nurdles on the shoreline.	
Conclusions/Discussion The amount of nurdles I found on the shore supports the idea that	t nurdles are not necessarily concentrated
The amount of nurdles I found on the shore supports the idea that nurdles are not necessarily concentrated at ports since there was not a correlation. Ports are protected by a wall to prevent large waves from	
entering the port. The currents may have greater impact on the amount of nurdles which may expain why	
there were more nurdles outside of the protected port. This is important because by knowing ports are not	
a main source of nurdle spills helps to narrow down where the re-	al problems occur during the
transportation of nurdles.	
Summary Statement	
My project addresses the issue of whether or not there is a concer	ntration of manufactured plastic pellets at
ports due to the presence cargo ships that potentially transporting	
Help Received	
Mother drove me to sites.	