Activity 5 DVHS campus through time

Using South Tucson aerial (DOQQ)
1. Label DVHS campus and the gully. Label the Santa Cruz.
2. Mark with an arrow the direction of water flow in the DVHS wash flow.
3. Where does the water go once it passes DVHS? Trace the wash until it meets up to another drainage and then to the big river.
4. Are you having trouble tracing the wash? Why? List what’s in the way:
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   •
   •
5. How do the features listed above affect water flow? What would speed it up? How might it slow it down? Make water collect in places? Have our flooding problems become better or worse with development? Why?

Using DVHS aerials
1. Look at the six aerial photographs of the DVHS campus that were taken at approximately 10 year intervals between 1953 and 2000. List 3 ways that the campus has changed:
   a.
   b.
   c.
2. What are the dark zones on the 1953 map? Why are they dark?
3. Using tracing paper (or transparencies), outline the water ways/drainages that are visible in each photograph. Your group is responsible for outlining the waterways in each of the 6 photographs. Depending on the many of people in your group some or all of you might need to do two tracings, but regardless everyone is responsible for at least one photograph. Make sure you mark a uniform spot on the traces from different time slices so you can compare them.
4. Mark the direction of flow of the wash with an arrow.
5. Compare the tracings of the DVHS wash from the different aerial photographs. Between each time interval note how the wash has changed:
   1953 – 1960:
   1960 – 1967:
   1967 – 1979:
   1979 – 1988:
   1988 – 2000:
6. Can you recognize the DVHS wash in the 2000 photograph? What distinguishes it?
7. Using the scale on the map determine the wash’s width in 1953 and the in 2000. How much has the width changed over this time interval? What is responsible for this change?
8. What now exists where the wash once was? Would you by a house there? Explain your answer.
9. List changes that you would see in a photograph taken today and mark them on the 2000 photograph.
10. List changes that you would see in a photograph taken 10 years from now.