

<b>PRODUCER</b>	KAYLA WEBBER	<b>PROJECT</b>	ISB FEBRUARY 2013
<b>TITLE</b>	LOCAL WATER QUALITY MONITORING	<b>VERSION</b>	FEBRUARY 26, 2013
<b>TARGET TRT</b>		<b>FINAL TRT</b>	5:31
<b>NOTES TO EDITOR</b>			

<b>VIDEO</b>	<b>AUDIO</b>
<p><b>HOST: ON-CAMERA BECKY DAVIS</b></p>	<p>IN NOVEMBER 2000, SANTA BARBARA VOTERS APPROVED MEASURE B TO IMPROVE CREEK AND OCEAN WATER QUALITY. IN OUR NEXT SEGMENT KAYLA WEBBER SHOWS US THE TESTING PROCESSES, FUNDED BY THAT MEASURE, AND HOW INTEGRAL THEY ARE TO ACHIEVING THAT GOAL.</p>
<p>RUNNING WATER</p>	<p>NATS</p>
<p>B-ROLL: OCEAN APPROACHING SB MISSION CREEK BEAUTY 01</p>	<p>VO 1: SANTA BARBARA'S CREEKS DIVISION IS A DRIVING FORCE BEHIND MAINTAINING THE HEALTH OF SOME OF OUR MOST PRECIOUS NATURAL RESOURCES. THEIR MISSION IS TO IMPROVE CREEK AND OCEAN WATER QUALITY, AS WELL AS RESTORE CREEKS TO A MORE NATURAL STATE.</p>
<p><b>CG – LOWER THIRD CAMERON BENSON CREEKS MANAGER</b> <i>RESTORATION OF CREEKS AREAS IMPORTANT</i> 2:02:24:04</p>	<p>SOT: CAMERON BENSON "THE CREEKS DIVISION STAFF COMES TO WORK EVERY DAY TO TRY TO IMPROVE CREEK AND OCEAN WATER QUALITY IN THE CITY OF SANTA BARBARA. WATER QUALITY MONITORING IS A VERY IMPORTANT TOOL FOR US TO DETERMINE HOW SUCCESSFUL WE ARE WITH OUR PROJECTS AND PROGRAMS."</p>
<p>B-ROLL: TESTING WATER</p>	<p>VO 2: FOR 10 YEARS THE CREEKS DIVISION HAS BEEN MONITORING THE PHYSICAL, BIOLOGICAL AND CHEMICAL COMPOSITION OF THE WATER TO IDENTIFY SOURCES OF POLLUTION AND ELIMINATE THEM.</p>
<p>CAMERON BENSON <i>IMPORTANCE OF MONITORING</i> 02:01:10:07</p>	<p>SOT: CAMERON BENSON "WE USE OUR WATER QUALITY MONITORING TO IDENTIFY THE LOCATION THAT THE POLLUTION IS COMING FROM SO THAT WE CAN GO AND ELIMINATE THOSE SOURCES OF POLLUTION"</p>
<p>B-ROLL:</p>	<p>VO 3: IT'S IMPORTANT TO ADDRESS POLLUTANTS</p>

CREEKS TO OCEAN	BEFORE THEY REACH WHERE ALL URBAN RUNOFF AND CREEK WATER ENDS UP...THE OCEAN.
<p>CG – LOWER THIRD  JILL MURRAY  CREEKS RESEARCH COORDINATOR  KEEPING DEBRIS OUT OF DRAINS  08:06:56:22</p>	<p>SOT: JILL MURRAY  “IT’S REALLY IMPORTANT TO REMEMBER THAT ANYTHING YOU PUT DOWN THAT DRAIN OR EVEN IN THE GUTTER NEAR THAT DRAIN, WHETHER THAT’S SOAP SUDS FROM YOUR CAR WASHING, THAT’S GOING INTO A PIPE THAT’S GOING STRAIGHT TO THE CREEK, THE AQUADIC ORGANISMS, THE FISH, THE INVERTEBRETS, AND THE INSECTS HAVE TO SWIM AND BREATHE AND LIVE IN WHATEVER YOU ARE PUTTING INTO THAT STORM DRAIN. AND THEN THAT WATER IS GOING TO GET TO THE OCEAN WHERE SANTA BARBARA RESIDENTS AND VISITORS ARE GOING TO SWIM. SO WE DON’T WANT TO PUT ANYTHING IN THERE THAT YOU WOULDN’T WANT TO PUT IN YOUR AQUARIUM OR IN YOUR OWN SWIMMING POOL.”</p>
<p>STAND UP  CG – LOWER THIRD  KAYLA WEBBER  PRODUCER</p>	<p>SOT: KAYLA WEBBER  “EACH WEEK LOCAL CREEK WATER SAMPLES ARE TAKEN HERE, TO THE WATER RESOURCES LABERTORY, WHERE THEY WILL BE TESTED FOR BACTERIA, SUCH AS COLIFORM AND E-COLI.”</p>
<p>B-ROLL:  TAKING SAMPLES  TESTING SAMPLES</p>	<p>VO 4: WATER SAMPLES ARE MIXED WITH A REAGENT, WHICH ENCOURAGES ANY PRESENT INDICATOR BACTERIATO GROW. 24 HOURS LATER, IF INDICATOR BACTERIA ARE PRESENT, IT WILL SHOW UP UNDER UV LIGHT. LAB ANALYSTS RECORD THE DATA AND SEND IT TO THE CREEKS DIVISION WHERE THEY DETERMINE IF ACTION NEEDS TO BE TAKEN.</p>
<p>CAMERON BENSON  IMPORTANCE OF MONITORING  02:01:25:13</p>	<p>SOT: CAMERON BENSON  “WHEN WE FIND A PLACE WHERE WE’VE GOT SOME POLLUTION SOURCE BUT WE CAN’T PINPOINT THE EXACT SOURCE OF THE LOCATION WE WILL CONSTRUCT A CAPITAL PROJECT TO CAPTURE AND TREAT THAT POLLUTED WATER BEFORE IT GETS INTO THE CREEKS AND OCEAN.”</p>
<p>B-ROLL:  DEBRIS SCREENS</p>	<p>VO 5: THE CREEKS DIVISION ADMINISTERS A WIDE VARIETY OF WATER QUALITY IMPROVEMENT</p>

<p>CREEK RESTORATION</p>	<p>PROJECTS TO ADDRESS AREAS OF CONCERN. SOMETIMES SIMPLY INSTALLING DEBRIS SCREENS ON STORM DRAINS WILL GET THE JOB DONE. OTHER TIMES COMPLETE CREEK RESTORATION IS THE BEST OPTION.</p>
<p>JILL MURRAY <i>MESA CREEK</i> 08:09:05:21</p> <p>B-ROLL: MESA CREEK BEFORE AND AFTER</p>	<p>SOT: JILL MURRAY “THE MESA CREEK DAYLIGHTING PROJECT IS PART OF THE ARROYO BURROW ESTUARY RESTORATION PROJECT. SO THE MESA CREEK DAYLIGHTING TOOK A SECTION OF WHAT HAD BEEN A CREEK MANY YEARS IN THE PAST, THAT HAD BEEN BURIED AND A STORM DRAIN HAD BEEN PUT IN TO CONVEY THE WATER AND THAT LED TO ARROYO BURROW ESTUARY. THE DAYLIGHTING PROJECT TOOK THAT STORM DRAIN BACK OUT AND TRIED TO RESTORE THE CREEK TO ITS PREVIOUS NATURAL STATE AS MUCH AS POSSIBLE.”</p>
<p>B-ROLL: RAIN, URBAN RUNOFF</p>	<p>VO 6: THOUGH MANY FACTORS CONTRIBUTE TO WATER POLLUTION, ONE ISSUE IS ALWAYS AT THE TOP OF THE LIST.</p>
<p>CAMERON BENSON <i>URBAN RUNOFF</i> 02:03:02:11</p> <p>B-ROLL: URBAN RUNOFF</p>	<p>SOT: CAMERON BENSON “ONE OF THE MAJOR SOURCES OF WATER POLLUTION IN THE CITY, LIKE MOST URBAN AREAS, IS NON-POINT SOURCE POLLUTION, OR URBAN RUNOFF. ONE OF THE PLACES WHERE WE HAVE POLLUTED WATER RUNNING OFF ALL THE TIME IS PARKING LOTS AND STREEKS. THE CREEKS DIVISION HAS INITIATED SEVERAL PROJECTS WHERE WE ARE GOING INTO SOME CITY PARKING LOTS AND PUTTING PERMEABLE PAVERS IN TO ALLOW THAT POLLUTED WATER TO PASS THROUGH THE PARKING LOT SURFACE AND INTO THE SOIL WHERE THOSE POLLUTANTS WILL BE TREATED NATURALLY.”</p>
<p>B-ROLL: STORM AND URBAN RUNOFF</p>	<p>VO 7: THE IMPACT OF URBAN RUNOFF IS ESPECIALLY CRITICAL DURING THE FIRST MAJOR STORM OF THE SEASON.</p>
<p>JILL MURRAY <i>FIRST FLUSH</i> 08:11:50:23</p>	<p>SOT: JILL MURRAY “THE HIGHEST POLLUTANT CONCENTRATIONS ARE GENERALLY FOUND DURING THE FIRST FLUSH. THIS INCLUDES THE FIRST PART OF ANY STORM, BUT EVEN</p>

	<p>MORE SO THE FIRST STORM OF THE YEAR AND THE FIRST PART OF THAT STORM. THIS IS WHEN THE RAIN CAN WASH OFF ALL THE POLLUTANTS THAT HAVE ACCUMULATED ON OUR SURFACES. THIS INCLUDES OIL AND GREASE THAT HAVE BEEN DEPOSITED ON ROADWAYS, SOME PESTICIDES THAT MIGHT BE SPRAYED IN GARDENS. GENERALLY THE FIRST RAIN STORM ISN'T HUGE SO WE GET ALL OF THIS MATERIAL WASHED OFF BY A MODERATE AMOUNT OF WATER. SO THEN YOU CAN SEE THE CONCENTRATION OF POLLUTENTS IN THE CREEKS THAT ARE AT THEIR HIGHEST.”</p>
<p>B-ROLL: PROJECTS</p>	<p>VO 8: THE CREEKS DIVISION HAS A NUMBER OF PROJECTS THEY WILL BE FOCUSING ON THIS YEAR, INCLUDING THE MISSION LAGOON RESTORATION PROJECT.</p>
<p>JILL MURRAY <i>FUTURE PROJECTS</i> 08:14:19:17</p>	<p>SOT: JILL MURRAY “THIS INVOLVES MORE THAN JUST WATER QUALITY. FOR THIS ONE WE ARE ALSO COLLECTING INFORMATION ABOUT WHAT ORGANISMS ARE PRESENT IN THE LAGOON. AND WE’RE HOPING TO SEE A RESTORATION OF AQUADIC ORGANISMS THAT ARE MORE INDICITIVE OF IMPROVED WATER QUALITY AND IMPROVED HABITAT.”</p>
<p>B-ROLL: CREEKS, PEOPLE IN OCEAN</p>	<p>VO 9: THROUGH TESTING PROCESSES AND IMPROVEMENT PROJECTS, SANTA BARBARA’S CREEKS DIVISION HAS SUCCEEDED IN IMPROVING THE WATER QUALITY OF OUR CREEKS AND OCEAN. THEIR EFFORTS WILL CONTINUE TO BE ESSENTIAL TO OUR LOCAL WATER’S HEALTH GOING FORWARD.</p>
<p>BUMP OUT: BECKY  CG: CREEKS DIVISION 897-2658</p>	<p>TO TRACK THE PROGRESS OF THE CREEKS DIVISION’S WATER MONITORING, PLEASE CALL 897-2658</p>