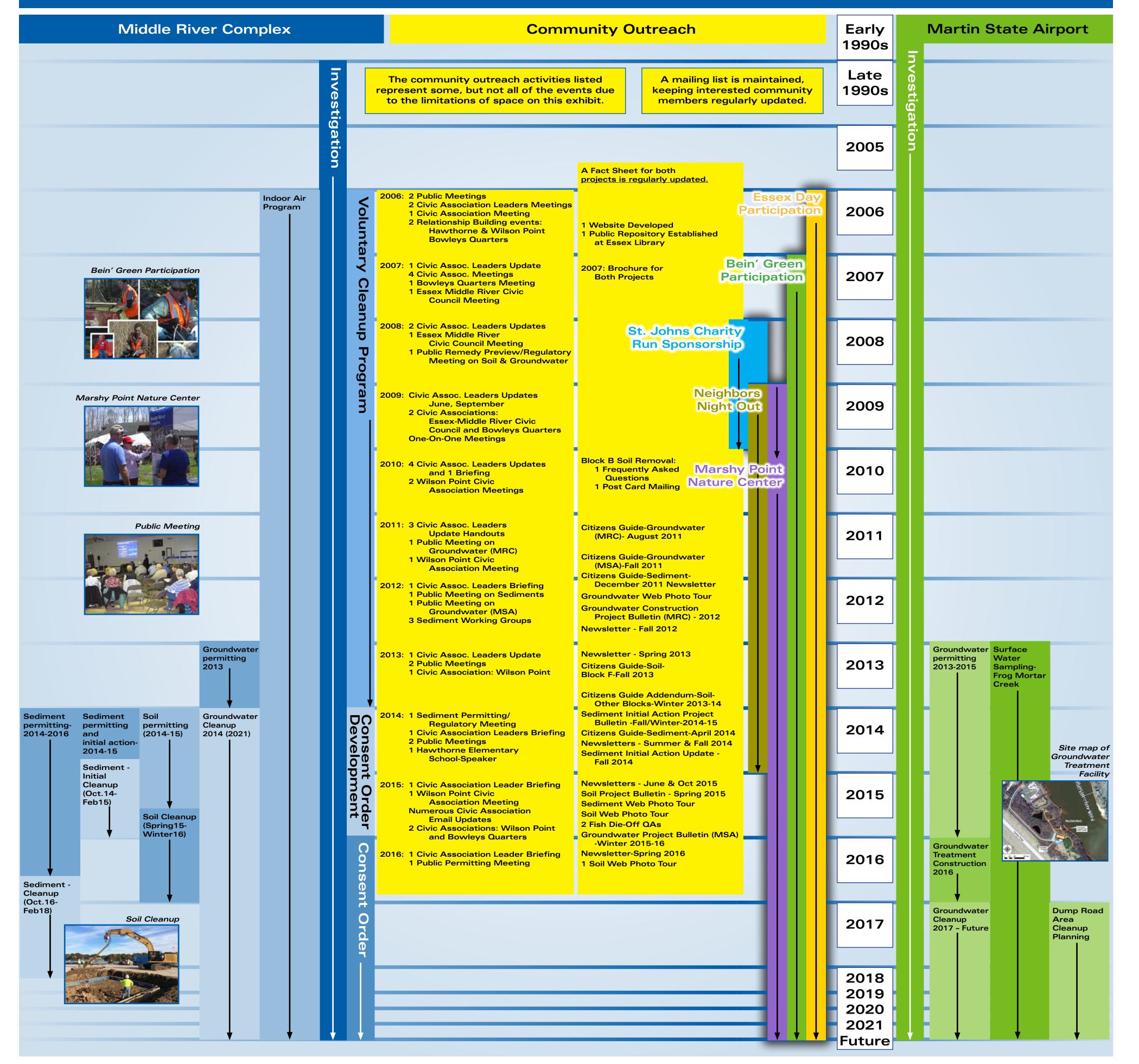
Cleanup and Community Involvement Progress Timeline





Circle all the words

Α	G	D	U	E	N	Α	V		G	Α	T	E
Т	G	R	E	Е	N		N	_	S		T	U
R	A	С	0		V	Α	Т	E	E	S	V	E
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K	N	E	J	A	E	D	R	A	M	E	R	
W	0	K	K	R	R		W	V	E	T	T	R
0	В	0	W	S	L	G	L	A	N	Y	Α	0
C	R	L	S	Р	0	Р	E	Т	Т	L		M
M	A	Q	U	A	T		С	E		E	N	E
P	С	В	M	E	Т	A	L	S	В	T	R	N
Z	С	0	F	F	E	R	D	A	M	G	W	T

groundwater	dig
excavates	in-situ
sediment	green
cove	soil
creek	water
aquatic	carbon

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Α	G	D	U	E	N	Α	V	I	G	Α	Т	E
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Z	C	0	F	F	Е	R	D	Α	M	G	W	T
									ı		1	

MATCH THE WORDS TO THE PICTURES





ADDING CEMENT TO HARDEN DRYING SEDIMENT

AIR MODITORING

BACKHOE ON BARGE BREAKING ICE

BACKHOE ON BARGE INSTALLING SILT CURTAIN

BRUSH CLEARING

EXAMINING SUBAQUATIC VEGETATION

PROTECTIVE BARRIER FOR MODITORING WELL

REMOVING UNDERGROUND STORAGE TANK AND AIR TESTING

> SEDIMENT REMOVALUSING (RANE FROM BARGE

SOIL EXCAVATION AND TRUCK LOADING

SOIL SAMPLING TO CONFRIM CLEAN SIDEWALLS

SUPER SILT FENCE

TEAMS INSTALLING OUTFALL IN WATER

WELL DRILLING



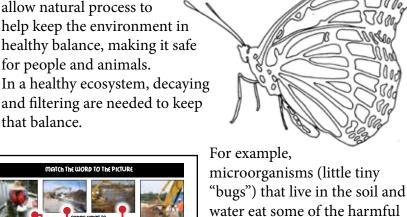












chemicals like oil, then digest them and change them into harmless gases and water. Plants drink and filter the water, helping control contaminated water. They also filter air and lighten the soil, helping oxygen

to enter the ground.

STORM WATER MAT(h ACTIVITY



that goes into the already overcrowdto get into the drain leads to pollution lowing liquids other than storm water roadside ditches, and nearby waterthe soil. Remember, the more that whatever) so others will know that aland later use the compost to fertilize DRAINS TO LAKE" (or river, or to reduce erosion. You can also comalso contain toxic materials that are a source of nutrients for the grass, and harmful to humans, fish, and "good" to reduce erosion. You can also comdrain, onto the soil, or into a watermotor oil or antitreeze down a storm water plants animals. Never pour used

antifreeze can damage or kill underdown the Storm Drain! Motor oil or 7. The Man is Pouring Motor Oil land, and out of the water!. keeping soil where it belongs - on the erosion. Plants prevent erosion by Fertilizers contain large amounts of 4. This Car is Leaking Oil and spruds along a stream dank to reduce

plant trees or leave native grasses and 2. The Woman is Using Fertilizers and the ground, pick it up and toss it in need to grow. Help your community down the storm drain. If you see trash and cut off light that underwater plants

bags, cups, and candy wrappers, often ed because of Improp the Street!! Street litter, such as plastic 3. The Man is Throwing Litter into ed landfill!

plants. When it rains, these toxic mappings and fallen leaves, kill bugs and animals) and herbicides (substances that kill weeds and plants) mowed grass clippings on the lawn as materials that are to breathe. Pesticides (substances that 5. The Man is Raking Grass Clippings ter that fish and other organisms need them fixed soon! plooms use up the oxygen in the wa- er is responsible for the car to have smother other aquatic life). These leaks. If you find any, ask whomev-(overgrowth of aquatic plants that rains. Check your cars for drips and streams, and may cause algal blooms washed into storm drains when it phorous that can wash into lakes and antifreeze that leaks out of cars is nutrients such as nitrogen and phos- Antifreeze into the Street! Oil and

Pesticides for Gardening Improperly! the nearest trashcan.

days, because sprinkles will be blown cans. Never throw trash in the street or smother aquatic life, clog fish gills plants' roots. Do not water on windy ble, and put all other litter in garbage makes the water look muddy and can that sinks into the soil and reaches the cycle as much of your trash as possi- eroding land that washed into steams tion and increase the amount of water and can become tangled up in it. Re- and streams by rain or wind. Soil from in the morning, to reduce evapora- animals can mistake plastics for food be easily washed into nearby lakes coolest part of the day, such as early harmless to the environment. Marine pens, the soil that was underneath can Water the lawn or garden during the of years to break down and become during construction. When this hapof watering the street or sidewalk, up of plastic, which takes hundreds and trees are disturbed or moved ter goes ONLY on the lawn instead es. A great deal of street litter is made tion of dirt to rivers. Sometimes plants walk! Place sprinklers so that the wa- the ocean or washing up on our beach- prevent stream bank erosion and addi-1. The sprinkler is watering the side- storm drains and ends up floating in Proper stabilization techniques can

PLACE THE LETTER NEXT TO EACH TERM DESCRIBED BELOW ONTO THE LOCATION IN THE PICTURE THAT MATCHES IT.

> A) Storm water Ponding Area – During heavy rains, storm water is kept away from an area where contaminated soil is being dug up. By creating a storm water ponding or collection area, rain water can be captured in an area that is clean, and clean water can be moved away from an

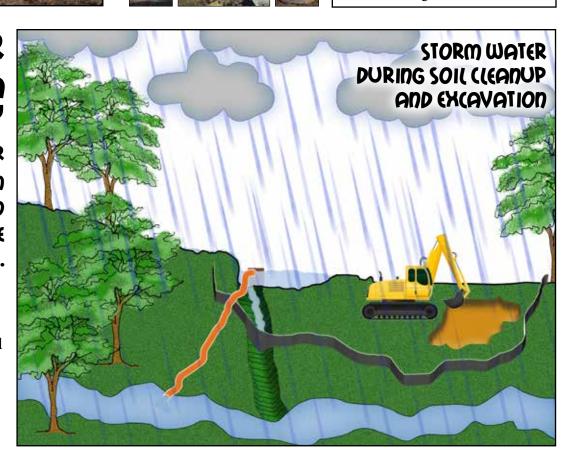
> > area where soil cleanup is underway. This is needed to be sure that any contamination in the excavated area is not accidentally moved offsite by the heavy rain.

B) Silt Fencing – Silt fences are constructed during soil cleanup projects where dirt is dug up and removed from an area and are made from heavy plastic, sometimes mounted on chain link fencing. They are built around the area to keep loose soil from moving into nearby streams; however, they can also become like a dam during heavy rains, since water cannot easily pass through the fence. To keep water from ponding at the fence, pipes can be used to pull storm water away from the area.

C) Excavation Area – When soil is known to contain



dangerous chemicals, that soil can be cleaned up by digging it out - called excavation – and removed to where it can be safely contained, so no one is in danger of touching chemicals.

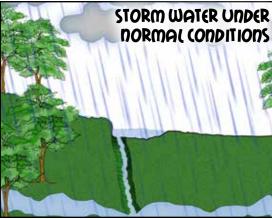


To "remediate" is to correct or remedy a situation. To do so naturally means to

allow natural process to

for people and animals.

- **D)** Temporary Piping During Excavation To keep rain water from flowing into a hole being dug out during a soil cleanup job, the water can be collected and piped through a temporary pipe to the location it would normally flow – such as a nearby creek or stream. This temporary piping keeps water away from the excavated areas.
- E) Water Drainage Storm water normally flows downhill, across areas towards storm drains or watersheds, such as creeks or streams. Storm water can be forced into passages like ditches or valleys that become paths



water bodies like creeks.