

Name: _____



Stormwater Treatment Areas: The Constructed Wetlands

GUIDED NOTE-TAKING STUDENT WORKSHEET

DIRECTIONS: Read through the questions below before the video begins. Watch the video at <https://www.youtube.com/watch?v=KNOgBQyHDb8&t=3s> and listen for answers to fill in the blanks.

1. A lawsuit filed in 1988 by the federal government against the state of Florida alleged violations of the Federal _____ Act that allowed high levels of total phosphorus to pollute the Everglades.
2. The lawsuit was settled in 1991, and a Consent Decree was issued by the federal court that mandated constructed wetlands, establishment of a total phosphorus water _____, and agricultural best management practices.
3. Today, the vital question is: How can we _____ the flow of enough clean freshwater through the Everglades and down to the Florida Bay?
4. Beginning in the early 1900s and expanded in the 1950s as part of the Central and Southern Florida _____ Project, extensive dredging led to a massive rerouting of water, changing South Florida's waterflow.
5. One of the two large problems created by the channelization of the Everglades is that it prevented enough water from flowing through the _____ to the _____.

6. The Everglades Forever Act of 1994 required the construction of _____ as a part of the Everglades Construction Project.
7. STAs are constructed wetlands that use green technology of plants and algae to _____ and _____ excess nutrients like phosphorus from stormwater before it reaches the Greater Everglades.
8. As water enters an STA, it moves through a series of _____ following a route known as a “flow way”.
9. STAs are living wetlands and, as such, they are affected by _____ .
10. Each cell of STA’s is carefully monitored and maintained by scientists and technicians who collect _____ sent to them remotely from the field.
11. In addition to weather, STA function can also be impacted by plant overgrowth and _____ .
12. An additional effort that increases the effectiveness of STAs is the use of _____ practices for agricultural areas.

