Key Topic #5: Understanding how sustainable and best management practices enhance and protect water quality and quantity for humans and wildlife

Objective 1. Understand the importance of moving toward sustainable practices to protect water quality and quantity.

Objective 2. Understand best management practices that improve water quality and quantity such as improved agriculture practices, urban planning and water efficiency.

Objective 3. Understand the role of technology: flow meters, observation wells, Airborne Electromagnetic (AEM) surveys, Unmanned Aerial Vehicles (UAV) (drones, GIS, etc.), precision agriculture, etc.

Resources:

1. North Platte Natural Resource District Flow Meters *(2 pages)* ~~DELETED~~
2. Use of Five Nitrogen Source and Placement Systems for Improved Nitrogen Management of Irrigated Corn *(3 pages)*~~DELETED~~
3. NebGuide: Planning Your Riparian Buffer: Design and Plant Selection *(4 pages)*~~DELETED~~
4. NebGuide: Landscape Plants for Wildlife *(4 pages)*~~DELETED~~
5. Overview of NWQI EQIP Programs *(1 page)*~~*DELETED*~~

1. 2019 Integrated Water Resource Plan Update Broward Co
2. Broward Co Know the Flow
3. Change Detect Urban Effects Segmentation Strategy
4. Combine Hydraulic Head Analysis w/ AEM to detect & map
5. Fractures & Groundwter Pathways by AEM
6. Gardening with wildlife UF-IFAS
7. Geophysical Input to Model Karst Aquifer in Australia
8. Hi Res NDVI Nano Satellites for precision agriculture
9. Integrated Water Resource Plan Summary
10. IWRP Final
11. Plan Landscape to Conserve Water UF-IFAS
12. Scheduling UGV tasks in precision agriculture under human supervision
13. SFWMD Water Wise Planting Guide South Florida
14. UAV route planning
15. Water Advisory Boards Broward County
16. Water and Climate Academy
17. FLFriendly Landscape Brochure