**Springfield Plateau Master Naturalist Training Schedule**

 **Fall 2015**

**During-the-Week Classes: 6:00-9:30 pm, 5:30 pm potluck supper**

**Week 1- \_\_September 10\_\_\_\_\_\_\_\_\_\_\_\_\_** Host: **Jay, Barbara, and Sharon and Shae\_**

* Welcome, Introduction and Hand out Field Guides—30 minutes **Jay**
* Introduction to the program and what the upcoming training will encompass; expectations for volunteer service and keeping of hours, Capstone Project— 35 minutes – **Barbara and Jay**
* Introduction of the 4 key ecological principles and Conservation Principals—30 minutes - **Jay**
* Introduction to Conservation and conservation ethic—Hand out *Sand County Almanac*, will read portions of book and discuss at each weekly training session 20 minutes – **Jay**
* The title, role, and skills of a naturalist – (‘Interpretive’ Naturalist versus ‘Field’ Naturalist)

20 minutes – **Jay**

* Insect Taxonomy and ID, including Singing --50 minutes **Jay**

 **25 minutes for breaks and overages**

By the end of this session participants will understand:

1. Be able to explain that the reasons for conservation are economic, political, aesthetic, scientific and

moral.

2. Understand the concepts of preservation, restoration and management.

3. Understand the role naturalists have played in our knowledge of Missouri’s plants, animals, and

 natural communities and in conserving natural resources.

4. Understand the concept of a land ethic that lies behind a naturalist.

5. Introduce Capstone Project Expectations.

6. Understand the breadth and depth of resource management.

7. Establish foundation for plant/animal taxonomy and field identification skills.

**Field Session I. Aquatic Systems; September 12 Hosts: \_Jay, Bob Korpella, Alane Roy**

**Location: Watershed Center Time: 9am-4 pm**

**🕮**Review of past week’s reading of Sand County Almanac: August – 15 minutes

Three sites: Lake/pond, stream corridor investigations, and stream ecology.

Streams Ecology: aquatic life and their adaptations, in-stream habitats, riparian corridor, foundation of energy foundations, do macroinvertebrate survey with Stream Team monitoring.  **Bob Korpella**

Lakes/ponds: basic lake/pond limnology such as summer oxygen cycle, stratification, biological zones such as pelagic, littoral, etc, aquatic life found in ponds/lakes compare/contrast with streams. **Jay**

Stream Corridor Investigations: Focus on Stream Team evaluations of stream corridor, substrate, channel characteristics, etc. **Alane Roy**