

Describing and Monitoring Rangelands

Inventory: Record of _____ at one point in time.

Examples of inventory:

Assessment: Evaluation of _____ at one point in time.

Examples of assessments:

Monitoring: Series of measurements _____ time.

- The word “monitor” is rooted in a term meaning “to warn”

Examples of monitoring:

Monitoring: The Main Steps:

1. Complete inventory/set goal(s):

2. Develop SMART objectives:

Specific: objective should specially state what you want to achieve on the land you are managing.

Measurable: It must be possible to measure whether you are meeting the objectives or not.

Achievable: Are the objectives you set, achievable in your current setting?

Realistic: Set objectives that you can realistically achieve given the natural and management context of your situation.

Time: Set a time horizon for management objectives.

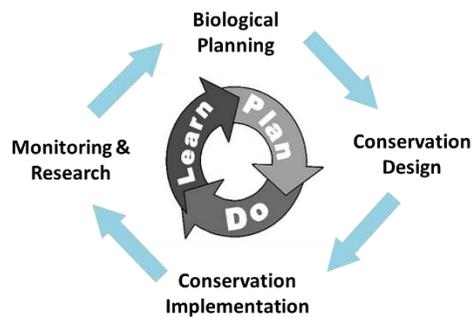
3. Design and implement management:

4. Design the monitoring methodology:

5. Evaluate management actions:

Adaptive Management: Boyd and Svejar paper 2009

- **Plan, Do, Learn, Repeat**



Trend: upward or downward based on conditions measured at least 2 points in time

- Used to evaluate management actions
- Measures change over time
- Best if done frequently

Apparent Trend: attributes measured at one point in time to infer trend

- Often misleading

Factors influencing trend: