

NAME: Aaron Marks

SECTION: 5

Ecosystem Observation Chart – First Visit

1. Make thorough notes about your 3-5 acre tract (see page 5 of instructions)

2. Plot Inventory (10' X 10')

Total number of trees in plot: 19

Tree Species/Type	# dbh <2" (0-5yr)	# dbh 2"-4" (5-10yr)	# dbh 4"-8" (10-25yr)	# dbh 8"- 11.5"(25-50yr)	# dbh >11.5" (>50yr)
Oak				1	1
Elm			3		
Conifer			1		
Unsure	7	6			

Other vegetation	Quantity (not present, sparse, moderate, dense)
Shrubs	Moderate amount of shrubs, not sure which kind. Hard to walk through this area.
Grasses	No apparent grasses present.
Forbs (non-woody, non-grass plants, e.g., wildflowers)	Sparse amount of possibly dead forbs.

Ground cover (describe):

Snow, under the snow is leaves from the Fall season, below that is decomposed leaves and easily dig-able soil.

Canopy cover:

Winter time, only a few dead leaves left on some trees, other than that no leaves.

Soil characteristics:

Loose enough to dig around in with your shoe but hard enough to not leave a footprint. Decayed leaves.

3. Make general notes comparing this 10' x 10' plot to your 3 - 5 acre tract (see page 5 of instructions)

Densities seem to be pretty even as far as I could tell without walking too far into the woods, very difficult to walk through, there is a path used for getting to hunting areas.

Ecosystem Observation Chart – Second Visit

1. Review the chart and notes from your first visit for both the 3-5 acre tract and the 10' X 10' plot.

2. Make detailed notes of any changes. Here are just a few sample questions to ask yourself.

- **Any new growth?**

○ **Trees/Shrubs getting leaves? Buds? Canopy cover % changed?**

Trees has some green to them, leaves are starting to grow in but are not full size yet

Budding on the bushes/shrubs, possible flowers or leaves not sure.

Canopy cover is roughly 25% not including branches during the winter time which I considered 0% and 100% being not able to see the sky thru the trees.

○ **Grasses** – Some sparse patches of some type of grass

○ **Forbs** (non-woody, non-grass plants, e.g., wildflowers)

Some sparse patches of a white flower about 8 inches high. Decent amount of other non tree/grass growth,

- **Any newly dead/dying/missing vegetation?**

A large limb off what seems to be the large oak has come down, the dead forbs are either no longer standing or regrew.

- **New animal and/or insect activity?**

Bugs in the soil, found a woolly bear crawling around under some of the old vegetation. No obvious signs of larger animals other than the increased number of birds.

- **Changes in soil characteristics?**

Dryer, no longer frozen/snow covered. Possibly looser but not sure if that's due to being dryer.

- **Ground cover changed?**

No more snow, less whole leaves under the snow (currently on top).

- **Other changes?**

Overall lots of new growth mainly in forbs and new trees sprouting up.

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SECTION: 5

Weather Observation Chart – Period 1

Day	Date	Time	Cloud Types Observed (Names)	Percent Cloud Cover	Apparent Temp & Humidity	Wind Direction & Speed	Sun position (compass direction & angle above horizon)	Current or recent precipitation (type and intensity: light, moderate, heavy)	General Notes
Day 1	Feb 27, 2010	5 pm	Stratus	50%	26° F 75%	10-15 mph West	240° SW 10°	None today, snow on the ground from past snow storm. Flurries earlier.	Cold cloudy winter day. Light winds no noticeable gusts. Flurries throughout the day.
Day 2	Feb 28, 2010	5 pm	Cirrus/stratus	20%	30° F 75%	10 mph N	240° SW 10°	Snow on the ground from previous storm.	Little more wind than yesterday, little less cloudy, no snow.
Day 3	March ` , 2010	5 pm	Stratus	60%	34° F 75%	10 mph NW	240° SW 10°	Still a couple of inches of snow left, No new snow.	About the same as yesterday. Overcast skys.
Day 4	March 2, 2010	5 pm	Stratus	50%	34° F 50%	5 mph NE	240° SW 10°	Old snow still on the ground, nothing today.	More clouds, less wind. Overcast, no precipitation.
Day 5	March 3, 2010	5 pm	Stratus	80%	36° F 100%	5-10 mph N	240° SW 10°	Snow still present in most areas but melted thru in others. Some Flurries today.	Slightly warmer out, cloudy. Light rain/snow mix

Note: In addition to your own observations don't forget to go online and retrieve the observed weather data for each day (see page 4 of the instructions).

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Weather Observation Chart – Period 2

Day	Date	Time	Cloud Types Observed (Names)	Percent Cloud Cover	Apparent Temp & Humidity	Wind Direction & Speed	Sun position (compass direction & angle above horizon)	Current or recent precipitation (type and intensity: light, moderate, heavy)	General Notes
Day 1	April 3, 2010	5 pm	None	0%	72° F 50%	10 mph S	255° W 20°	Clear, Dry	Ideal Weather
Day 2	April 4, 2010	5 pm	None	0%	68° F 25%	10 mph W	255° W 20°	Clear, Dry	Nice Day overall.
Day 3	April 5, 2010	5 pm	Status	20%	77° F 50%	15 mph W	255° W 20°	Clear, Dry	Scattered Clouds, Gusts of winds often.
Day 4	April 6, 2010	5 pm	None	0%	85° F 25%	20 mph SW	255° W 20°	Clear, Dry	Some clouds earlier, clear now tho.
Day 5	April 7, 2010	5 pm	None	0%	82° F 25%	15 mph W	255° W 20°	Clear, Dry	Ideal Weather.

Note: In addition to your own observations don't forget to go online and retrieve the observed weather data for each day (see page 4 of the instructions).