


How, When and Why of Forest Farming

SITE ASSESSMENT WORKBOOK

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Contact Information

| | |
|----------------------|--|
| Site Location | |
| Ownership | |
| Address1 | |
| Address2 | |
| City | |
| State | |
| Zip | |
| County | |



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Contact Information

| | |
|--|--|
| Cooperative Extension | |
| USDA-Natural Resource Conservation Service (NRCS) | |
| Soil and Water Conservation District (SWCD) | |
| US Geological Survey (USGS) | |
| US Geological Survey (USGS) | |
| Forest Owners Association | |
| Chamber of Commerce | |
| County Clerk (Property deeds) | |
| Additional Contacts | |

How, When and Why of Forest Farming

SITE ASSESSMENT WORKBOOK Base Map and Supporting Documents

| | Map Checklist | Source | Date |
|----------|-----------------------------|--------|------|
| A | Base Map¹ | | |
| | Property Map | | |
| | Road Map | | |
| | Topographic Map | | |
| | Soil Survey Map | | |
| | | | |
| | | | |
| | | | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| | Photograph Checklist | Source | Date |
|----------|--------------------------|--------|------|
| A | Aerial Photograph | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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Land Use Worksheet

| Resources | |
|-----------------|--|
| Online | |
| Print | |
| Human Resources | |

Make additional copies to include all zones. Indicate location on Base Map¹.

| Zone | Historical Land Use |
|------|---------------------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|--------|----------------|
| Map A | Base Map |
| | |
| | |

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Land Use Worksheet

Make additional copies to include all zones. Indicate location on Base Map¹.

| Zone | Current Land Use | Obstructions |
|------|------------------|--------------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|--------|----------------|
| Map A | Base Map |
| | |
| | |

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Climate Worksheet

| Resources | |
|-----------------|--|
| Online | |
| Print | |
| Human Resources | |

| | Historical Summaries | | | | | | | | | | | | |
|-----------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Avg |
| Minimum Temperature | | | | | | | | | | | | | |
| Number of Cloudy Days | | | | | | | | | | | | | |
| Relative Humidity | | | | | | | | | | | | | |
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
| Precipitation | | | | | | | | | | | | | |

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Climate Worksheet

| Resources | |
|-----------------|---|
| Online | http://www.usna.usda.gov/Hardzone/ushzmap.html |
| Print | |
| Human Resources | |

| Regional Climatic Data | |
|---|--|
| Average Number of Frost Free Days (Length of growing season) | |
| Average Date of Last Spring Freeze | |
| Average Date of First Fall Freeze | |
| USDA Plant Hardiness Zone | |

| Growing Degree Days | | | | | | |
|-------------------------|---------|-----------------------------|------|------|------|------|
| Current Year to Date | Average | Last Five Years (year: GDD) | | | | |
| | | 1999 | 2000 | 2001 | 2002 | 2003 |
| | | | | | | |

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Microclimate Worksheet

Make additional copies to include all zones. Indicate location on Base Map¹.

| Map Location | Slope (%) | Aspect | Exposure | Frost Pocket | Canopy Cover (%) |
|---------------|-----------|--------|----------|--------------|------------------|
| Zone 1 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 2 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 3 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 4 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|--------|----------------|
| Map A | Base Map |
| | |

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Soils Worksheet

| Resources | |
|-----------------|--|
| Online | |
| Print | |
| Human Resources | |

Make additional copies to include all soil units. Indicate location on Base Map¹

| NRCS / SCS Soil Survey | | | |
|------------------------|----------------|----------------------|-------------|
| County | | | |
| Map Symbol | Base Map Zones | Soil Type (Map Unit) | Description |
| | | | |
| | | | |
| | | | |
| | | | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|---------|-----------------------|
| Map A | Base Map |
| Map D | Soil Survey Map |
| Soils A | Map Unit Descriptions |
| | |

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Soils Worksheet

Make additional copies to include all zones. Indicate location on Base Map¹.

| Nutrient Analysis | | | |
|--------------------------|-----------|-----------------------|-------------------------|
| Map Location | pH | Organic Matter | Mineral Analysis |
| Zone 1 | | | |
| Point 1 | | | |
| Point 2 | | | |
| Point 3 | | | |
| Zone 2 | | | |
| Point 1 | | | |
| Point 2 | | | |
| Point 3 | | | |
| Zone 3 | | | |
| Point 1 | | | |
| Point 2 | | | |
| Point 3 | | | |
| Zone 4 | | | |
| Point 1 | | | |
| Point 2 | | | |
| Point 3 | | | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|----------------|--------------------------------|
| Map A | Base Map |
| Soils B | Soil Nutrient Analysis Results |

How, When and Why of Forest Farming

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Soils Worksheet

Make additional copies to include all zones. Indicate location on Base Map¹.

| Physical Properties | | | | | |
|---------------------|-------|---------|----------|----------|------------|
| Map Location | Depth | Texture | Moisture | Drainage | Compaction |
| Zone 1 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 2 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 3 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 4 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|---------|--------------------------------|
| Map A | Base Map |
| Soils B | Soil Nutrient Analysis Results |

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Vegetation Worksheet

Make additional copies to include all zones. Indicate location on Base Map¹.

| Tree & Shrub Inventory | | | | | |
|------------------------|-------------|------------|--------|------|-----------|
| Map Location | Common Name | Latin Name | Number | Size | Condition |
| Zone 1 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 2 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 3 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 4 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|--------|----------------|
| Map A | Base Map |
| | |

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Vegetation Worksheet

Make additional copies to include all zones. Indicate location on Base Map¹.

| Understory Inventory | | | | | |
|----------------------|-------------|------------|---------|------|-----------|
| Map Location | Common Name | Latin Name | % Cover | Size | Condition |
| Zone 1 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 2 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 3 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |
| Zone 4 | | | | | |
| Point 1 | | | | | |
| Point 2 | | | | | |
| Point 3 | | | | | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|--------|----------------|
| Map A | Base Map |
| | |

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Assessment Map

| Assessment Map Checklist | | |
|-------------------------------------|---------------------------------|----------------|
| <input checked="" type="checkbox"/> | Map Component | Reference Page |
| | Base Map¹ | Map A |
| Land Use | | |
| | Historic Land Use | |
| | Current Land Use | |
| Climate | | |
| | Microclimate data | |
| Soils | | |
| | Soil Map Unit | |
| | Nutrient Analysis | |
| | Physical Soil Properties | |
| Vegetation | | |
| | Tree Inventory | |
| | Non-Tree Inventory | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|--------------|----------------|
| Map A | Base Map |
| | |
| | |



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Crops Worksheet

| Resources | |
|------------------------|--|
| Online | |
| Print | |
| Human Resources | |

| Insert | Reference Page |
|-----------------|-----------------------|
| Map A | Base Map |
| Assess A | Site Assessment Map |
| Crop A | Crop Selection Matrix |
| Crop B | Crop Fact Sheets |
| Crop C | Catalogs |
| | |

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Forest Farm Plan

| Farm Plan Checklist | | |
|-------------------------------------|-----------------------|----------------|
| <input checked="" type="checkbox"/> | Plan Component | Reference Page |
| | Base Map ¹ | A |
| | Assessment Map | |
| Crops | | |
| | Crop Selection | |
| | Crop Pricing | |
| | Crop Budget | |
| | Marketing | |

¹ Keep a master copy of the Base Map. Make any changes to paper or digital copies.

| Insert | Reference Page |
|----------|---------------------|
| Map A | Base Map |
| Assess A | Site Assessment Map |
| | |

