

## RESOURCE MANAGEMENT GUIDE

Yellowwood State Forest  
Tract acreage: 77 acres  
Forester : L. Burgess

Compartment 7      Tract 8  
Date : 6/22/07

### Location

Sections 17 and 18 Township 9N, Range 2E of Brown County. The tract is located off Dubois Ridge Road. The tract adjoins additional state forest acreage and private property.

### History

June 1975 TSI of 76 acres by CETA forester. December 1986 Tract inventory.  
1989 timber harvest: 103,196 bf. Followed by TSI.  
1990 planted 200 autumn olive and European black alder around log yards

### Topography, Geology and Hydrology

Slopes average 25- 30% are common and steeper grades exist as well. This tract is located within the Yellowwood Lake watershed.

### Soils

Berks-Trevlac-Wellston complex (BgF) 20 – 70 percent slope. Severe limitations noted for logging due to slope. Comprises 40% of tract acreage.  
Wellston-Berks-Gilpin silt loams (WeC2) 6 – 20 percent slope. Slight to moderate limitations. Comprises 40% of tract acreage.  
Tilsit silt loam (TIB) 2 – 6 percent slope. Slight limitations. Comprises 15% of tract acreage, mainly in the pine acreage.  
Beanblossom channery silt loam (Be) nearly level, gently sloping. Slight to moderate limitations due to flooding.

### Access

Access to the tract is good as it lies just off Dubois Ridge Rd.

### Boundary

Boundary marking is up-to-date for this tract. The state-painted boundary lines bordering private property will be honored for this tract's management activities.

### Wildlife

Wildlife resources in this tract are abundant. Common species which are present include: Squirrels, white tailed deer, turkey, various small furbearing animals, and a variety of songbirds. An official wildlife review was completed for the tract. This review focuses on wildlife habitat, looking at what is present in the tract and what can be created through management activities. Snags, commonly known as dead, standing trees, were inventoried as well. This snag information was used to complete a bat management guideline form.

## **Communities**

A Heritage database review was submitted for this tract. No known ETR communities were noted in the report.

## **Exotics**

Autumn olive, multi-flora rose, bush honeysuckle and ailanthus (see map) noted during inventory. The ailanthus has been treated and will require periodic inspections. Eradication of exotics should be scheduled during TSI operations.

## **Volume estimates:**

4,014 bd.ft./acre Harvest

4,723 bd.ft./acre Leave

Present overall = 8,737 bd.ft./acre

## **Recreation**

Hunting and hiking are the major recreations within this tract. A portion of the Tecumseh trail runs through the tract.

## **Cultural**

Cultural resources may be present on the tract but their location is protected. Adverse impacts to significant cultural resources will be avoided during any management or construction projects.

## **Tract Prescription and Proposed Activities**

Tract was inventoried as two stands:

Stand 1: 66 acres of hardwoods

The hardwood acreage is dominated by YEP with a few stands of mixed hardwoods and mixed oak. The SAS and REM are the most numerous in the sapling size class. The most numerous in the pole up to large sawtimber size classes is YEP. Throughout the hardwoods an intermediate harvest utilizing single tree selection is recommended. Shelterwood cuts are also proposed as well. Group selection could also be utilized and will be further determined at time of marking.

**A.** This section of the tract contains large sawtimber YEP and WHA and would benefit from a harvest to reduce the basal area (avg. among 4 inventory plots was 177 sq.ft./ac.) as well as remove declining stems and those with defect. Medium sawtimber YEP and pole SAS, REM would dominate the residual stand. Several oaks were noted to the north of this section with Large sawtimber BLO, YEP and WHA that could be harvested to release these oaks. Also, a potential shelterwood site was noted that would require TSI below would aid the oak component.

**B.** Harvest stems include Medium REM, VIP, and YEP (Med. & Large) with only a few scattered oaks to release. Proximity of property corner and steep terrain will limit some otherwise harvestable stems. An old homesite is located within this acreage as well

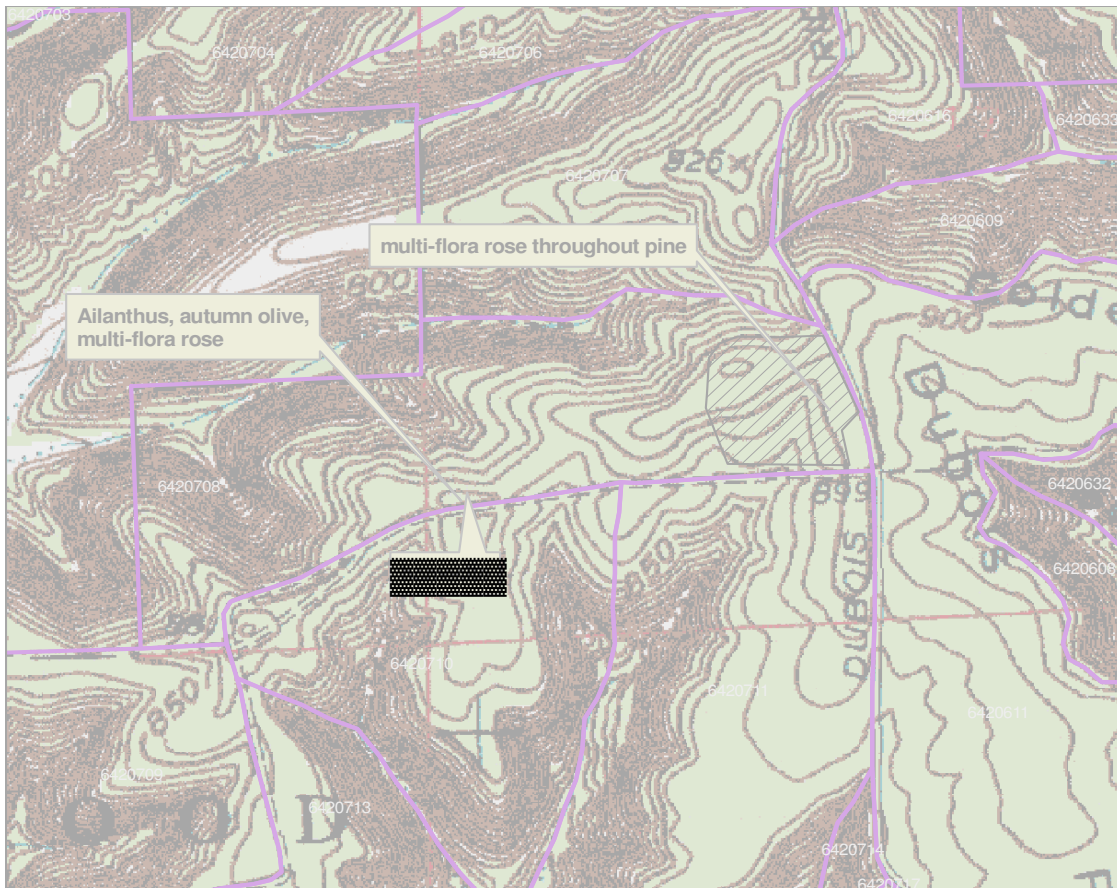
as Ailanthus, multi-flora rose and autumn olive. This area also contains a small (.25+/- acre) former regeneration opening of YEP saplings.

**C.** Harvest stems include YEP. Some pole to small sawtimber BLW for release (would require crossing stream). A light shelterwood should be considered (see location on map) this would require TSI or harvest of some cull AMB. Harvest stems would include large SUM and BLO.

**D.** Several large sawtimber stems for harvest include YEP, BLO due to defect or decline. Heavy AMB understory. Steepness may limit harvesting in one section of this acreage –slope in excess of 50%.

Stand 2: 11 acres of pine

**AA.** The pine planting acreage is comprised of Shortleaf and Virginia pine with YEP established as the initial hardwood component in medium to large sawtimber stems. Those hardwood stems with poor form and general low quality should be taken out with a harvest to improve this stand. The pine stems are primarily post and pole size classes and can be retained to continue through their succession as they die out of the stand.



### **Proposed Activities Listing**

Timber Harvest planned in 2007/2008 in conjunction with adjacent Tract 11

Timber Stand Improvement work during 2007/2008 including treatment of any invasive exotics noted/discovered.

Stand Re-inventory work 2027

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