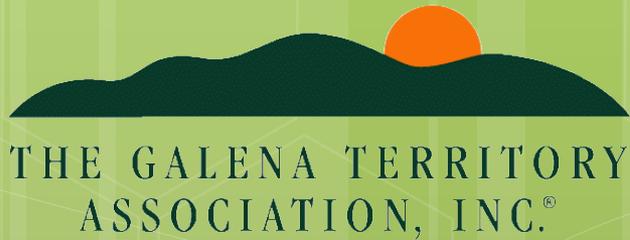




PSCC Annual Meeting
March 3 and 4, 2016
Starved Rock State Park

Evolution of Land Management Co-ops in NW IL.

Steve Barg
Executive Director
Jo Daviess Conservation Fnd.



NW Illinois Prescribed Fire Co-op

Who

- Cooperatively managed by:
 - Galena Territory Association
 - The Northern Illinois Prairie Enthusiasts
 - Jo Daviess Conservation Foundation

What

- Formed 20 years ago
- Consists of conservation org land managers and 30 volunteer crew members
- Conduct Rx Burning on conservation org lands, and volunteer crew member lands

How

- Solicit volunteers from local community
 - Core group of volunteers that come back every year
 - Friends groups
 - Mostly 65 years and older
 - Volunteers have to ACTIVELY participate in burning for one year before their own property becomes eligible to burn.

How

- Managing organizations provide training
 - Burn School once a year (three hours)
 - Abbreviated S-130, S-190 courses
 - Required in order to participate as a crew member



How

- Landowners have to complete a Prescribed Burn Plan
 - Follows Illinois IDNR Prescribed Burn Plan format
 - Managers assist with technical knowledge
 - Lays out actions the landowners have to complete before day of burn (firebreaks, sensitive structures, etc.)

Equipment



Equipment

- Three managing agencies pool resources and share equipment
- Nomex and PPE, back pack sprayers, hand tools, radios
- Tanker vehicles
 - NIPE – two atvs with 50 gallon pumper
 - JDCF – 250 gallon slide in pumper unit
 - UTV with 50 gallon pumper



Mop Up



Looking to the Future

- Attract more volunteers to build capacity
- Find new grants to pay for equipment
- Start hosting S-130, S-190 training courses for local students and community members



Northwest Illinois Strike Team



Strike Team

15 Natural Areas in 6 Counties

Invasive Species Strike Team

- Control exotic invasive species on a landscape level in 6 NW Illinois counties
- Work primarily in state natural areas, land and water reserves, nature preserves, JDCF lands, as well as adjacent properties
- Map invasive species using STRIKE program
- Provide early detection and rapid response of new infestations
- Treat invasive species using integrated control tactics
- Prepare annual report of Strike Team activities

Work Priorities

Priorities are based on the following factors:

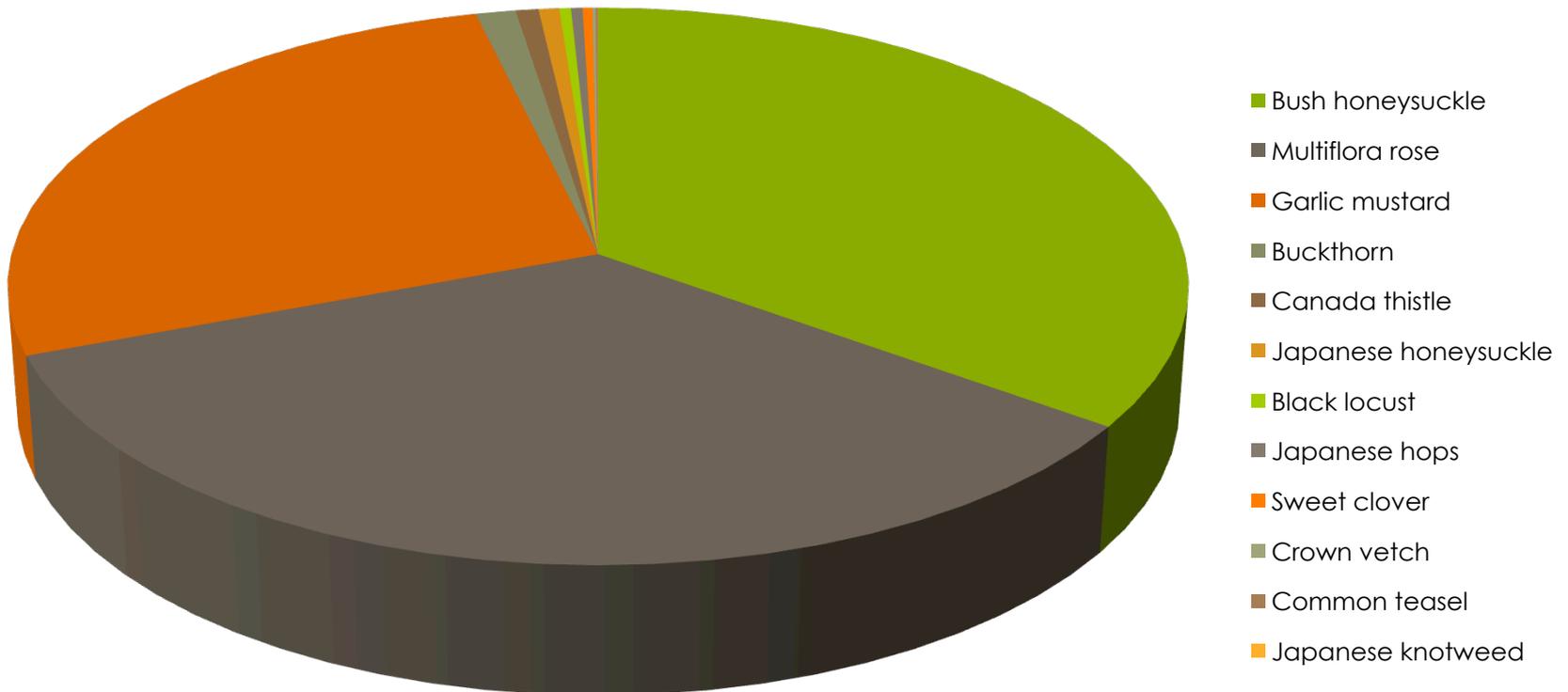
- Severity of threat to high-quality natural areas and rare species
- Extent of infestation
- Probability of successful control and potential for restoration
- Park/preserve commitment to follow-up monitoring and treatment

Strike Team Procedures



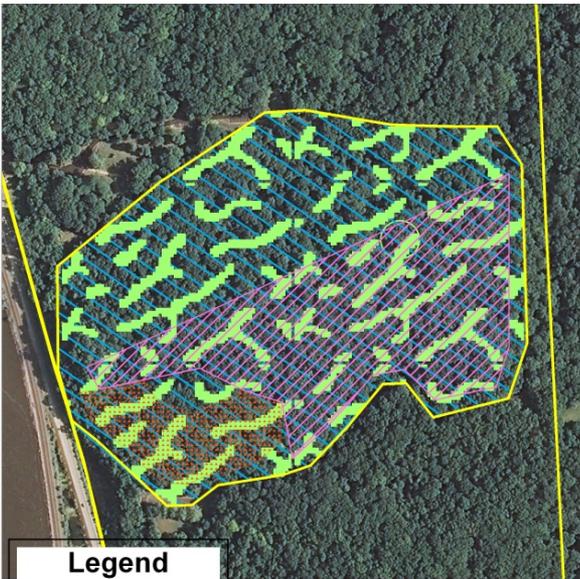
- **Work Orders**
 - DNR Natural Heritage
 - JDCF

Acreage Treated Per Species



Pre Treatment

**Mississippi Palisades State Park:
Sentinel Nature Preserve**



Legend

WEED

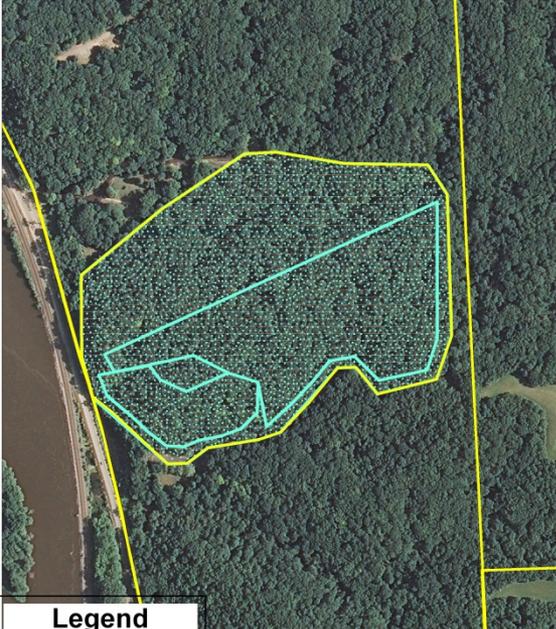
-  Glossy Buckthorn
-  Multiflora Rose
-  Bush Honeysuckle
-  Garlic Mustard
-  Property Boundary




Northwest Illinois Strike Team
NAD_1983_UTM_Zone_15N
2012 Aerial Imagery

Post Treatment

**Mississippi Palisades State Park:
Sentinel Nature Preserve**



Legend

METHOD

-  Hand Pulling
-  Chemical
-  Property Boundary




Northwest Illinois Strike Team
NAD_1983_UTM_Zone_15N
2012 Aerial Imagery

Table



STRIKE

| OBJECTID | SHAPE | LOCATIONS | METHOD | CHEMICAL | DATE | WEED | PRESERVE_OWNER | weed2 | weed3 | weed4 | DATA_TYPE | SHAPE_Length | SHAPE_Area | weed5 | Weed6 | Weed7 |
|----------|---------|-----------------|-------------|-------------|---------|----------------|----------------|----------------------|--------------|----------------|------------|--------------|---------------|---------------|-------------|----------|
| 1 | Polygon | Casper Bluff | Chemical | Garlon 3A | 6/14/20 | Multiflora Ros | JDCF | Bush Honeysuckle | Canada Thi | Black Locust | Treatment | 797.991267 | 17773.53651 | Common Mul | Yellow Swee | White Sw |
| 2 | Polygon | Casper Bluff | <Null> | <Null> | 2/15/20 | Multiflora Ros | JDCF | Japanese Barberry | Bush Hone | <Null> | Occurrence | 26.806064 | 57.181591 | <Null> | <Null> | <Null> |
| 3 | Polygon | Casper Bluff | Mowing | <Null> | 2/15/20 | Multiflora Ros | JDCF | Japanese Barberry | Bush Hone | <Null> | Treatment | 336.980136 | 3465.90673 | <Null> | <Null> | <Null> |
| 4 | Polygon | Casper Bluff | Chemical | Garlon 3A | 6/11/20 | Multiflora Ros | JDCF | Japanese Barberry | Bush Hone | <Null> | Treatment | 336.980136 | 3465.90673 | <Null> | <Null> | <Null> |
| 5 | Polygon | Casper Bluff | <Null> | <Null> | 4/24/20 | Canada Thistl | JDCF | <Null> | <Null> | <Null> | Occurrence | 24.936468 | 49.483456 | <Null> | <Null> | <Null> |
| 8 | Polygon | Casper Bluff | Prescribed | <Null> | 4/24/20 | Canada Thistl | JDCF | <Null> | <Null> | <Null> | Treatment | 575.263854 | 19207.142081 | <Null> | <Null> | <Null> |
| 9 | Polygon | Casper Bluff | Chemical | Garlon 3A | 6/14/20 | Canada Thistl | JDCF | Common Mullein | <Null> | <Null> | Treatment | 430.89285 | 8465.604536 | <Null> | <Null> | <Null> |
| 10 | Polygon | Casper Bluff | <Null> | <Null> | 6/14/20 | Bush Honeys | JDCF | Multiflora Rose | Japanese B | Garlic Mustard | Occurrence | 33.248607 | 87.970499 | <Null> | <Null> | <Null> |
| 11 | Polygon | Casper Bluff | Chemical | Roundup Pro | 2/15/20 | Bush Honeys | JDCF | Multiflora Rose | <Null> | <Null> | Treatment | 797.982053 | 17884.109921 | <Null> | <Null> | <Null> |
| 12 | Polygon | Casper Bluff | <Null> | <Null> | 2/15/20 | Bush Honeys | JDCF | Multiflora Rose | Garlic Must | <Null> | Occurrence | 47.020307 | 175.938573 | <Null> | <Null> | <Null> |
| 13 | Polygon | Casper Bluff | Chemical | Garlon 3A | 2/15/20 | Bush Honeys | JDCF | Multiflora Rose | Japanese B | <Null> | Treatment | 448.725822 | 9904.890974 | <Null> | <Null> | <Null> |
| 14 | Polygon | Casper Bluff | Hand Pullin | <Null> | 5/21/20 | Garlic Mustar | JDCF | Garlic Mustard | Multiflora R | <Null> | Treatment | 448.528214 | 9867.279291 | <Null> | <Null> | <Null> |
| 16 | Polygon | Casper Bluff | Prescribed | <Null> | 4/24/20 | Garlic Mustar | JDCF | Bush Honeysuckle | Multiflora R | Canada Thistle | Treatment | 1610.553002 | 89538.266111 | Common Mul | Japanese Ho | Yellow S |
| 17 | Polygon | Casper Bluff | <Null> | <Null> | 5/21/20 | Garlic Mustar | JDCF | Celandine | <Null> | <Null> | Occurrence | 22.68599 | 40.954874 | <Null> | <Null> | <Null> |
| 18 | Polygon | Casper Bluff | Hand Pullin | <Null> | 5/21/20 | Garlic Mustar | JDCF | Celandine | Multiflora R | <Null> | Treatment | 729.304726 | 19205.192647 | <Null> | <Null> | <Null> |
| 19 | Polygon | Casper Bluff | <Null> | <Null> | 6/11/20 | Multiflora Ros | JDCF | Bush Honeysuckle | Celandine | <Null> | Occurrence | 38.774261 | 119.640218 | <Null> | <Null> | <Null> |
| 20 | Polygon | Casper Bluff | Chemical | Garlon 3A | 6/11/20 | Multiflora Ros | JDCF | Bush Honeysuckle | Celandine | <Null> | Treatment | 2725.600902 | 82160.981258 | <Null> | <Null> | <Null> |
| 22 | Polygon | Casper Bluff | <Null> | <Null> | 6/19/20 | Yellow Swee | JDCF | White Sweet Clover | Canada Thi | <Null> | Occurrence | 77.54812 | 476.555915 | <Null> | <Null> | <Null> |
| 23 | Polygon | Casper Bluff | Mowing | <Null> | 6/19/20 | Yellow Swee | JDCF | White Sweet Clover | Canada Thi | <Null> | Treatment | 2884.298275 | 88337.232885 | <Null> | <Null> | <Null> |
| 24 | Polygon | Casper Bluff | Hand Pullin | <Null> | 5/22/20 | Garlic Mustar | JDCF | Celandine | <Null> | <Null> | Treatment | 811.053203 | 20615.712712 | <Null> | <Null> | <Null> |
| 25 | Polygon | Buehler Preser | <Null> | <Null> | 2/13/20 | Garlic Mustar | JDCF | Bush Honeysuckle | Glossy Buc | Japanese Barb | Occurrence | 26.611948 | 56.356429 | Multiflora Ro | <Null> | <Null> |
| 26 | Polygon | Buehler Preser | Chemical | Garlon 3A | 6/13/20 | Garlic Mustar | JDCF | Bush Honeysuckle | Glossy Buc | Japanese Barb | Treatment | 876.554475 | 19836.655632 | Multiflora Ro | <Null> | <Null> |
| 30 | Polygon | Sentinel Nature | <Null> | <Null> | 2/18/20 | Garlic Mustar | IDNR | Glossy Buckthorn | Bush Hone | Japanese Hon | Occurrence | 149.618787 | 1781.403878 | Multiflora Ro | Japanese Ba | <Null> |
| 31 | Polygon | Sentinel Nature | Chemical | Roundup Pro | 2/20/20 | Bush Honeys | IDNR | Bush Honeysuckle | Glossy Buc | <Null> | Treatment | 1818.611914 | 210389.342276 | <Null> | <Null> | <Null> |
| 32 | Polygon | Sentinel Nature | Hand Pullin | <Null> | 5/21/20 | Garlic Mustar | IDNR | Japanese Barberry | Bush Hone | <Null> | Treatment | 1818.216088 | 210245.217403 | <Null> | <Null> | <Null> |
| 33 | Polygon | Mississippi Pal | Chemical | Garlon 3A | 2/8/20 | Bush Honeys | IDNR | Glossy Buckthorn | Japanese H | Common Buckt | Treatment | 1395.579775 | 121811.153788 | <Null> | <Null> | <Null> |
| 34 | Polygon | Mississippi Pal | <Null> | <Null> | 2/8/20 | Japanese Ho | IDNR | Bush Honeysuckle | Common Bu | Glossy Buckth | Occurrence | 83.121357 | 549.813481 | <Null> | <Null> | <Null> |
| 35 | Polygon | Wapello Land | <Null> | <Null> | 2/27/20 | Garlic Mustar | JDCF | Japanese Honeysuckle | Bush Hone | <Null> | Occurrence | 74.277411 | 439.039553 | <Null> | <Null> | <Null> |
| 36 | Polygon | Wapello Land | Hand Pullin | <Null> | 4/30/20 | Garlic Mustar | JDCF | Bush Honeysuckle | Japanese B | <Null> | Treatment | 869.635327 | 19261.430382 | <Null> | <Null> | <Null> |
| 37 | Polygon | Apple River Ca | Chemical | Garlon 3A | 7/3/20 | Teasel | IDNR | Autumn Olive | Multiflora R | <Null> | Treatment | 982.224685 | 22687.8496 | <Null> | <Null> | <Null> |
| 38 | Polygon | Apple River Ca | Chemical | Garlon 3A | 7/22/20 | Teasel | IDNR | Canada Thistle | <Null> | <Null> | Treatment | 173.955738 | 674.806896 | <Null> | <Null> | <Null> |
| 40 | Polygon | Apple River Ca | Chemical | Garlon 3A | 7/22/20 | Multiflora Ros | IDNR | Bush Honeysuckle | Canada Thi | <Null> | Treatment | 739.019965 | 7266.972707 | <Null> | <Null> | <Null> |
| 41 | Polygon | Apple River Ca | Hand Pullin | <Null> | 7/3/20 | Bush Honeys | IDNR | Multiflora Rose | <Null> | <Null> | Treatment | 506.632763 | 15520.841051 | <Null> | <Null> | <Null> |
| 42 | Polygon | Apple River Ca | Chemical | Stinger | 7/3/20 | Bush Honeys | IDNR | Multiflora Rose | Common Mu | Canada Thistle | Treatment | 780.406835 | 17827.665834 | <Null> | <Null> | <Null> |
| 43 | Polygon | Schurmeier Te | Chemical | Roundup Pro | 7/3/20 | Garlic Mustar | JDCF | <Null> | <Null> | <Null> | Treatment | 78.984649 | 384.197554 | <Null> | <Null> | <Null> |
| 44 | Polygon | Hanover Bluff | Prescribed | <Null> | 4/5/20 | Garlic Mustar | IDNR | <Null> | <Null> | <Null> | Treatment | 3550.603073 | 422555.070379 | <Null> | <Null> | <Null> |
| 45 | Polygon | Keough Effigy | Hand Pullin | <Null> | 5/13/20 | Garlic Mustar | JDCF | <Null> | <Null> | <Null> | Treatment | 69.117825 | 219.369818 | <Null> | <Null> | <Null> |
| 46 | Polygon | Keough Effigy | Hand Pullin | <Null> | 5/13/20 | Garlic Mustar | JDCF | <Null> | <Null> | <Null> | Treatment | 95.34921 | 301.578724 | <Null> | <Null> | <Null> |
| 47 | Polygon | Keough Effigy | Hand Pullin | <Null> | 5/13/20 | Garlic Mustar | JDCF | <Null> | <Null> | <Null> | Treatment | 77.59189 | 304.082 | <Null> | <Null> | <Null> |
| 48 | Polygon | Keough Effigy | Chemical | Garlon 4 | 3/25/20 | Black Locust | JDCF | <Null> | <Null> | <Null> | Treatment | 1045.119373 | 40353.861178 | <Null> | <Null> | <Null> |
| 49 | Polygon | Keough Effigy | Chemical | Roundup Pro | 4/19/20 | Garlic Mustar | JDCF | <Null> | <Null> | <Null> | Treatment | 476.415609 | 9363.449637 | <Null> | <Null> | <Null> |
| 53 | Polygon | Keough Effigy | Prescribed | Garlon 4 | 7/24/20 | Black Locust | JDCF | <Null> | <Null> | <Null> | Treatment | 180.289808 | 1959.023871 | <Null> | <Null> | <Null> |
| 54 | Polygon | Hanover Bluff | Chemical | Stinger | 7/11/20 | Yellow Swee | IDNR | Bush Honeysuckle | <Null> | <Null> | Treatment | 274.286772 | 5986.87047 | <Null> | <Null> | <Null> |
| 55 | Polygon | Hanover Bluff | Chemical | Stinger | 7/11/20 | Yellow Swee | IDNR | Bush Honeysuckle | <Null> | <Null> | Treatment | 312.735258 | 7782.942627 | <Null> | <Null> | <Null> |
| 56 | Polygon | Hanover Bluff | Chemical | Garlon 3A | 7/23/20 | Yellow Swee | IDNR | Bush Honeysuckle | <Null> | <Null> | Treatment | 232.740156 | 4310.550888 | <Null> | <Null> | <Null> |
| 57 | Polygon | Hanover Bluff | Chemical | Stinger | 6/26/20 | Crown Vetch | IDNR | <Null> | <Null> | <Null> | Treatment | 453.814672 | 16343.057059 | <Null> | <Null> | <Null> |
| 59 | Polygon | Hanover Bluff | Chemical | Stinger | 6/26/20 | Crown Vetch | IDNR | <Null> | <Null> | <Null> | Treatment | 599.788618 | 20093.539253 | <Null> | <Null> | <Null> |
| 61 | Polygon | Eades Nest La | Chemical | 2-4D Amine | 8/7/20 | Japanese Ho | JDCF | <Null> | <Null> | <Null> | Treatment | 526.13802 | 14257.367261 | <Null> | <Null> | <Null> |

6 (0 out of 82 Selected)

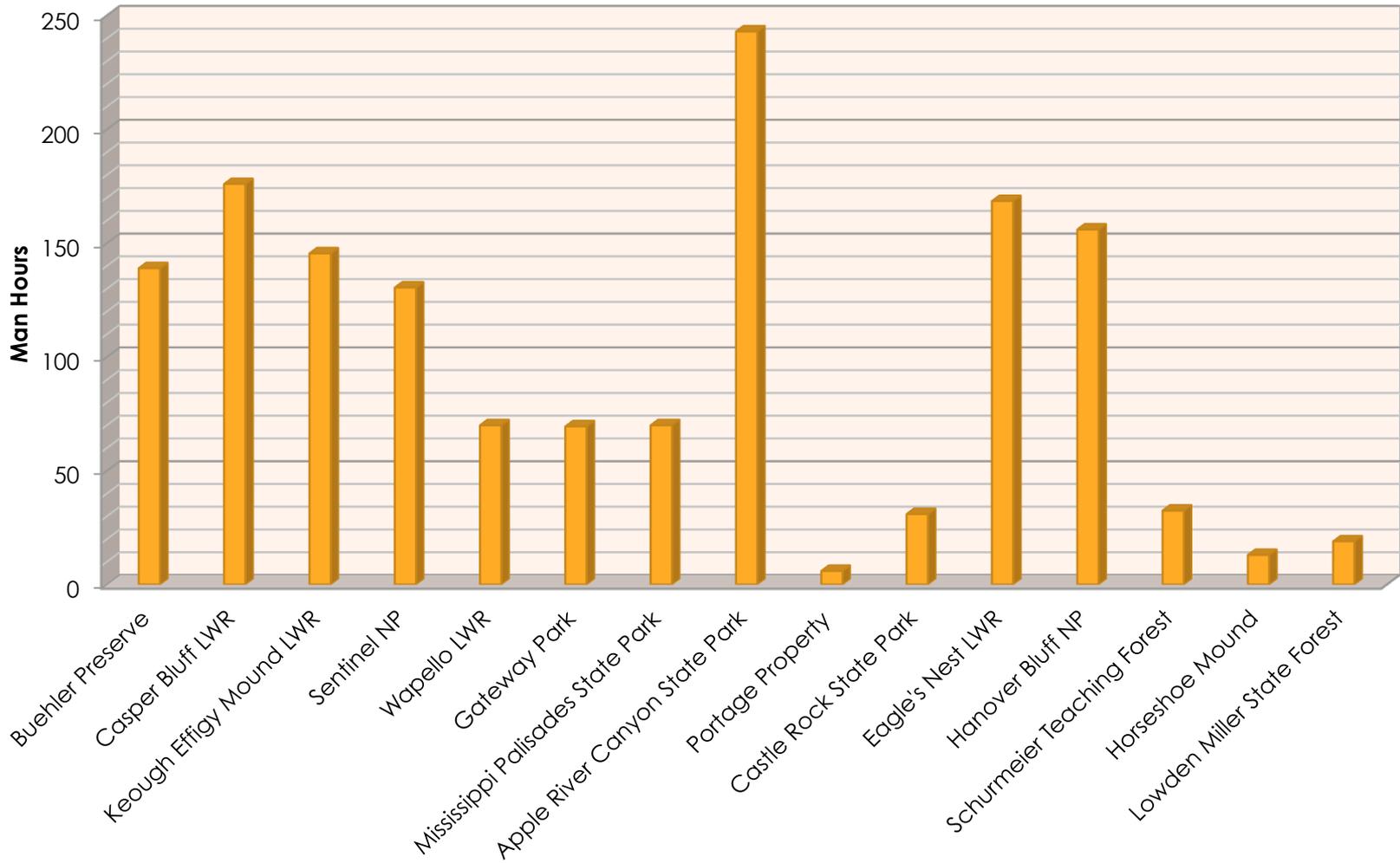
STRIKE

Total Acres Treated Year 1

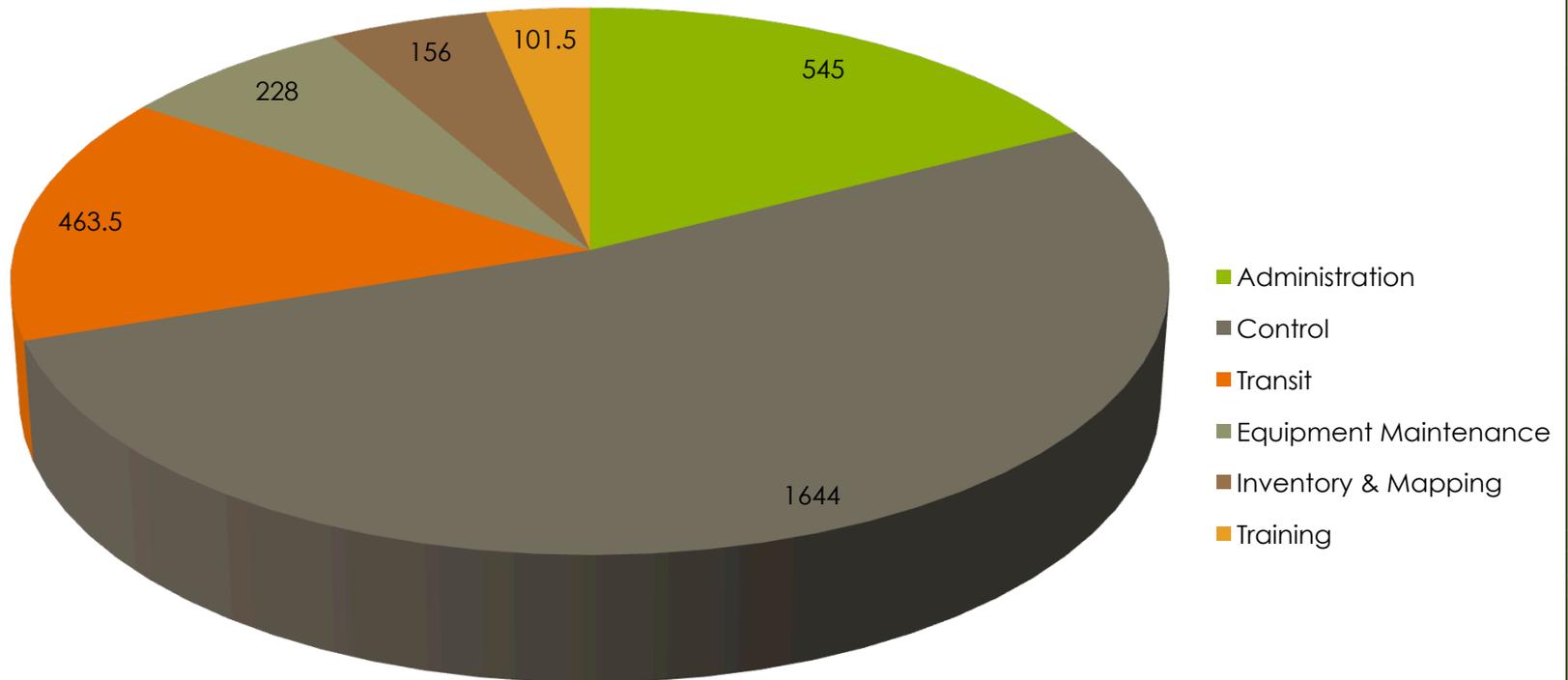
- Chemical:
360.92 Acres
- Mechanical:
148.84 Acres
- Prescribed Fire:
148.24 Acres
- **Total:**
658.00 Acres



Time Allocation Per Area



Time Allocation in Work Categories



Early Detection, Rapid Response



Example:

Japanese Knotweed

- New Infestations Reported
- Infestations are quickly mapped and treated

Public Outreach





NW IL
Cooperative
Weed
Management
Area

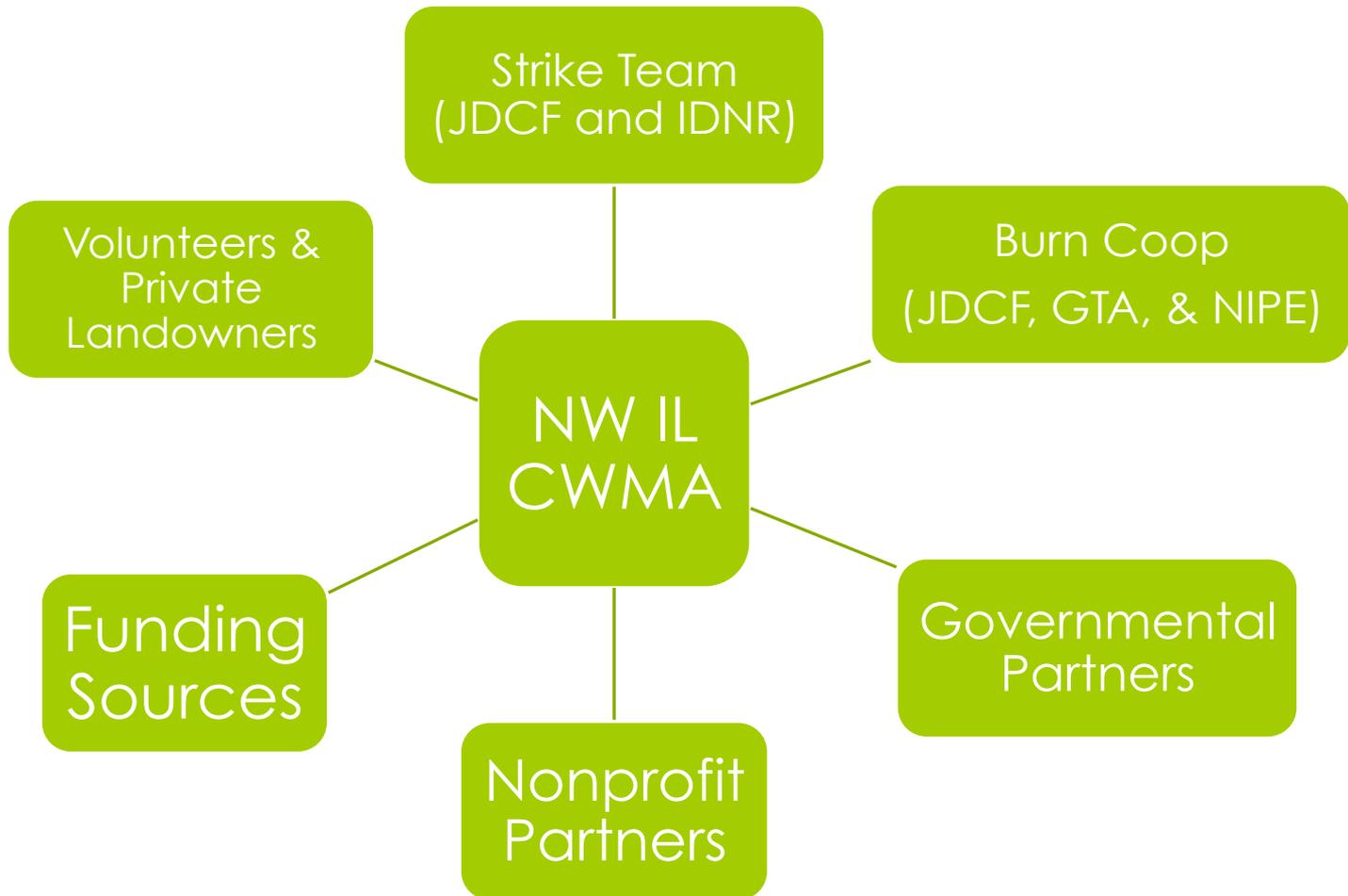
What is a CWMA?

- Cooperative Weed Management Areas, or CWMA's, are partnerships of federal, state, and local government agencies, tribes, individuals, and other interested groups that manage noxious weeds or invasive plants in a specific area.
- CWMA's may have different names in different parts of the country, for example, Partnerships for Regional Invasive Species Management (PRISM's), Cooperative Invasive Species Management Areas (CISMA's), or Invasive Species Teams or Partnerships.

Why Form a CWMA?

- Stewardship/Management Staff at conservation agencies
 - Staff is limited
 - Often rely heavily on volunteer labor
- NW IL Invasive Species Strike Team
 - Founded in 2013
 - Over 1500 acres managed
- NW IL Burn Co-op
 - Founded in mid 90s
 - Over 250 burns conducted
- For-profit land management contractors

NW IL CWMA Model



Next Steps?

Organization and Capacity Building

- Form an action committee who will work over the next 12 months to establish the CWMA.
- Adopt a 5-year strategic plan
- Partners ratify a memorandum of understanding (governing document for the CWMA)

Education and Awareness

- Outreach and education workshops

Next Steps?

Implementation of Cooperative Stewardship Efforts

- Seek additional funding
- Continue Strike Team after the expiration of the current grant in spring 2017
- Expand the capacity of the burn coop.



Steve Barg
Executive Director
Director@jdcf.org

Evolution of Land Management Co-ops in NW IL.