

2019 Curry County Gorse Aerial Survey

A brief summary of results



Survey mission: March 13, 2019

ODF Staff on the mission:

Danny Norlander, Forest Health Survey Specialist
Wyatt Williams, Invasive Species Specialist
Dan McCarron, Pilot

ODF aircraft:

Partenavia P.68 Observer

Objectives:

1. To survey for the presence and relative abundance of the invasive plant gorse within pre-determined survey areas Curry County.
2. Summarize findings and deliver GIS data to Curry County

Description of conditions on day of survey:

Skies were mostly sunny. Visibility Winds were out of the north at 10-20mph. Aerial surveyors directed the pilot to first fly over Bandon where the epicenter of gorse occurs in Oregon. It was evident that the signature for gorse (brilliant yellow flowers) was rather weak and hard to detect visually. Despite the fact that gorse was in its peak flowering, unusual winter weather in late December 2018 most likely led to early flowering by some individuals. This was followed by cold weather and snow in February, which may have led to petals falling off and less-than-ideal conditions for aerial survey.

The survey was completed between 0930 and 1545 hours:

0830-1000: Ferry time from Salem to survey area
1000-1130: Surveyed southern area
1130-1230: Lunch break in Gold Beach
1230-1315: Surveyed plots 3, 4 and 5
1315-1545: Ferry time from survey area back to Salem

Results: Acres with gorse in the survey area.

Acres surveyed	370,000
Gorse points detected	1
Gorse points polygons detected	10
Total gorse area detected in survey area	141

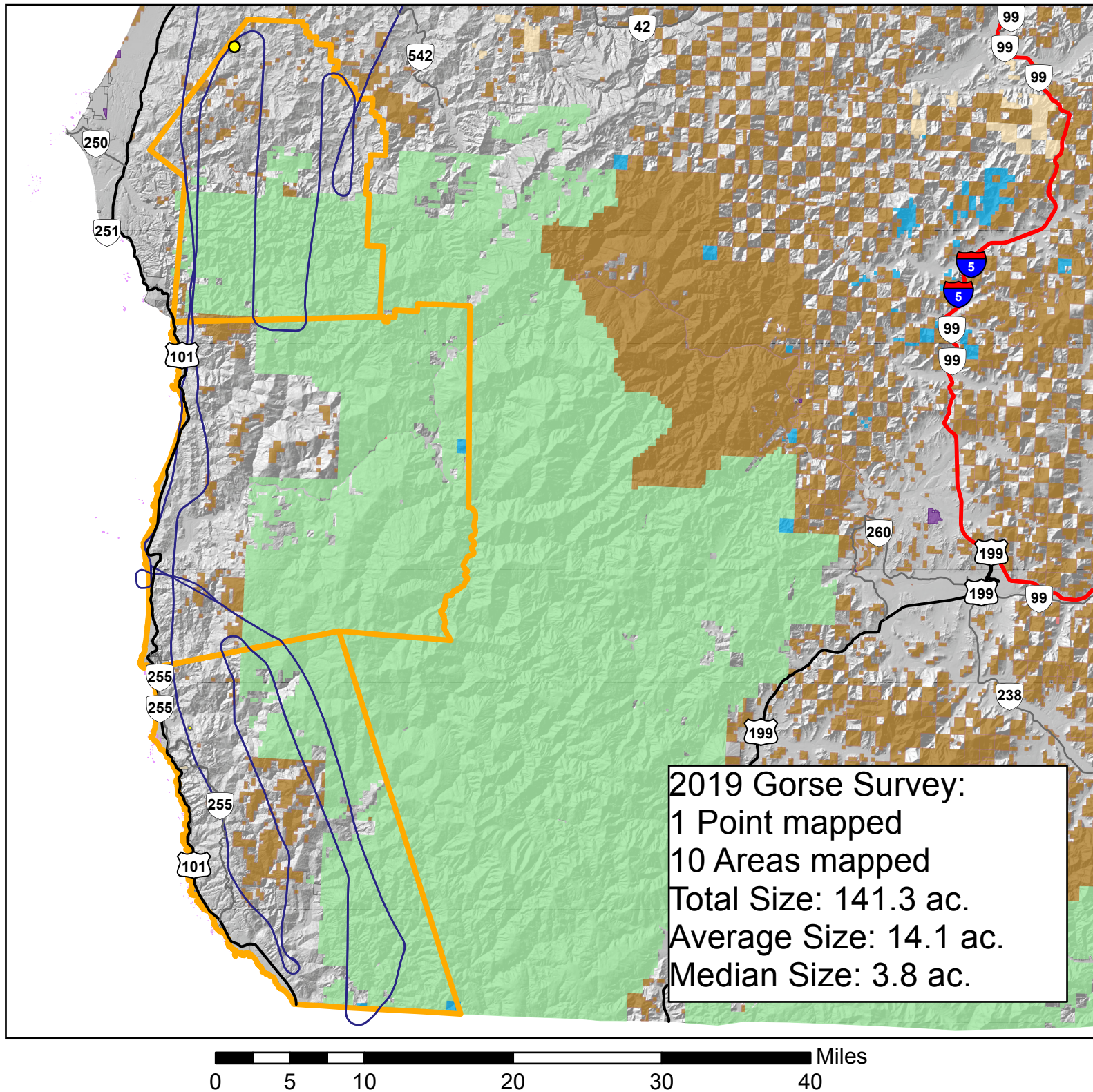
Attachments:

GIS shapefiles

Overview map (pdf)

Curry County Gorse Aerial Detection Survey

Conducted by Oregon Department of Forestry, 2019



- Gorse Points
- Gorse Areas
- SWCD Proposed Survey Blocks
- Oregon Department of Forestry
- Oregon Department of State Lands
- Oregon Department of Transportation
- Oregon Parks and Recreation Department
- Other State of Oregon Lands
- US National Park Service
- US Bureau of Land Management
- US Forest Service
- US Fish and Wildlife Service
- BIA; Tribal Trust or Fee Lands
- Lands within City Limits; Local Government

