Washington Invasive Ranking System

Washington Natural Heritage Program

Rosa multiflora (Multiflora Rose)

Assessed by
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Ecological Impact Rank: **Moderate** (69) Confidence: **High** (67)

Management Difficulty Rank: Low (35)	Confidence: Moderate (50)
Biological Characteristics of Invasiveness: Moderate (70)	Confidence: High (83)
Concern Related to Distribution and Abundance: High (64)	Confidence: Moderate (50)

Photo Credit: David Giblin 2020, used under Creative Commons license (Burke Herbarium, University of Washington, 2024).

Ranking Notes

Rapid assessment only, based primarily on professional expertise.

Legal Listings

Washington State Weed Board: Monitor list

Washington Invasive Species Council: No

Section 1: Distribution and Abundance

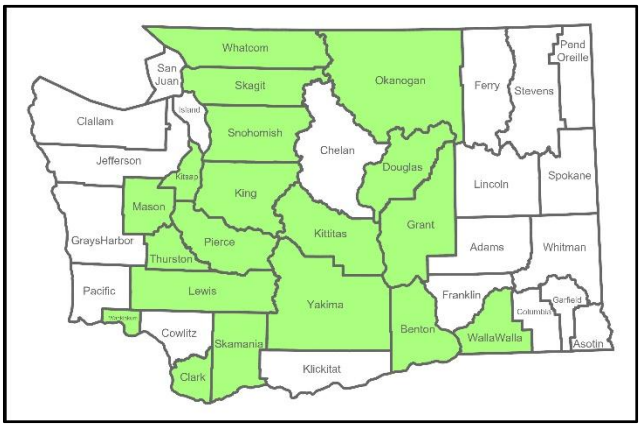

Figure 1. Distribution of counties where *Rosa multiflora* has been documented in Washington State (CPNWH, 2023; EDDMapS, 2023; iNaturalist Contributors, 2023).

Q1: Current Range Size in Washington

Rating: Moderate

Confidence: Moderate

Rosa multiflora is documented from 49% of counties in Washington State (CPNWH, 2023; EDDMapS, 2023; iNaturalist Contributors, 2023).

Source: Professional expertise, Herbarium records and other observations

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

Q2: Current Trend in Total Range

Rating: Moderate

Confidence: Moderate

Source: Professional expertise

Q3: Proportion of Potential Range Currently Unoccupied

Rating: Moderate

Confidence: Moderate

Source: Professional expertise

Q4: Local Range Expansion or Change in Abundance

Rating: Moderate

Confidence: Moderate

Source: Professional expertise

Q5: Diversity of Ecosystems Invaded

Ecosystem types: Forest & Woodland, Grassland & Shrubland

Rating: Low

Confidence: Moderate

Source: Professional expertise

Section 2: Biological Characteristics

Q6: Aggressive Mode of Reproduction

Rating: Yes

Confidence: Moderate

A single plant can produce up to 500,000 seeds in a single year (Hoffman & Kearns, 1997).

Source: Informal publication

Q7: Innate Potential for Long-Distance Dispersal

Rating: Yes

Confidence: High

Source: Professional expertise

Q8: Potential to be Spread by Human Activities

Rating: Yes

Confidence: High

Source: Professional expertise

Q9: Allelopathy

Rating: No

Confidence: High

Source: Professional expertise

Q10: Competitive for Limiting Abiotic Factors

Rating: No

Confidence: High

Source: Professional expertise

Q11: Growth Form

Rating: Yes

Confidence: High

Source: Professional expertise

Q12: Germination Requirements

Rating: Yes

Confidence: Moderate

Source: Professional expertise

Q13: Invasiveness of Other Plants in Genus

Rating: Yes

Confidence: High

Source: Professional expertise

Q14: Shade Tolerance

Rating: Low/Insignificant

Confidence: Moderate

Source: Professional expertise

Q15: Disturbance Tolerance

Rating: Yes

Confidence: High

Source: Professional expertise

Q16: Propagule Persistence

Rating: Unknown

Confidence: Not Rated

Source:

Q17: Palatability

Rating: No

Confidence: High

Deer and elk prefer many rose species, including *Rosa multiflora*, in spite of the thorns. However, browsing pressure does not appear to be enough to control this species.

Source: Professional Expertise

Section 3: Ecological Impact

Q18: Impact on Ecosystem Abiotic Processes

Abiotic Processes: Light availability

Rating: Moderate

Confidence: High

Source: Professional expertise

Q19: Impact on Ecosystem Structure

Rating: Moderate

Confidence: High

Source: Professional expertise

Q20: Impact on Ecosystem Composition

Rating: Moderate

Confidence: High

Source: Professional expertise

Q21: Impact on Particular Native Species

Rating: Not Rated

Confidence: Not Rated

Source:

Q22: Observed Ability to Invade Undisturbed Ecosystems

Rating: Moderate

Confidence: Moderate

Source: Professional expertise

Q23: Observed Ability to Invade Naturally Disturbed Ecosystems

Rating: Yes

Confidence: Moderate

Source: Professional expertise

Section 4: Management Difficulty

Q24: General Management Difficulty

Rating: Low

Confidence: Moderate

Source: Professional expertise

Q25: Minimum Time Commitment

Rating: Low

Confidence: Moderate

Source: Professional expertise

Q26: Impacts of Management on Native Species

Rating: Low

Confidence: Moderate

Source: Professional expertise

Q27: Inaccessibility of Invaded Areas

Rating: Low

Confidence: Moderate

Source: Professional expertise

Q28: Sociopolitical Implications of Management

Rating: Moderate/Low

Confidence: Moderate

Source: Professional expertise

Additional Comments

The Fire Effects Information System provides an excellent synthesis of the state of knowledge for *Rosa multiflora*, although only as of 2002 (Munger, 2002).

References

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