

## Heritage Rank Status Factors

**Elcode** NFSM000184  
**Gname** THAXTEROGASTER PAVELEKII

**Gcomname**

### Number of Occurrences

B = 6 - 20

**Comments** 10 known sites.

### Number of Occurrences with Good Viability

C = Few (4-12) occurrences with good viability

**Comments** My experience with this species is that it can be found in the same locale year after year.

### Population Size

A = 1-50 individuals

B = 50-250 individuals

**Comments**

### Range Extent

C = 250-1,000 km<sup>2</sup> (about 100-400 square miles)

**Comments** Along the Oregon and Washington coast.

### Area of Occupancy

B = 0.4-4 km<sup>2</sup> (about 100-1,000 acres)

LB = 4-40 km (about 2.5-25 miles)

**Comments**

### Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Long-term trend in population, range, area occupied, or number or condition of occurrences unknown

**Comments**

### Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Short-term trend in population, range, area occupied, and number and condition of occurrences unknown.

**Comments**

## Threats

A = Substantial, imminent threat. Threat is moderate to severe and imminent for most (> 60%) of the population, occurrences, or area. Ecological community occurrences are directly impacted over a widespread area, either causing irreversible damage or requiring long term recovery

**Scope** High

**Severity** Moderate

**Immediacy** Moderate

**Comments** This is a mycorrhizal species; it is dependent on a host tree for its carbohydrates. Studies have shown that if the tree is killed the mycorrhizal fungi die shortly after. The one possibly saving feature of this species is the spore bank. However, nothing is known about the spore bank of this species.

## Number of Appropriately Protected and Managed Occurrences

B = Few (1-3) occurrences appropriately protected and managed

**Comments**

## Intrinsic Vulnerability

U = Unknown

**Comments**

## Environmental Specificity

B = Narrow. Specialist or community with key requirements common.

**Comments** Only near the coast.

## Other Considerations

Nrank - N2

**Edition** 11/17/2002

**Edauthor** Francisco J. Camacho

**Grank** G2

**Grank Date** 11/17/2002

## Reasons

Known along the Oregon and Washington coast. Although, I have spent several years collecting along the central Oregon coast, I have only found this species in one locale. This species often breaks the surface of the soil/duff and is relatively easily found. If it is only found in 6 locations along the Oregon coast it is a rare fungus. This is an area that is well-studied for truffle like fungi.

## BCD Sources

## New Sources

Trappe, J.M., and Castellano, M.A. 2000. New sequestrate Ascomycota and Basidiomycota covered by the Northwest Forest Plan. Mycotaxon 75:153-179.