Red-Cockaded Woodpecker HSI

V3	V4	V6
Enter dbh data in Basal Area tab then link ave B.A. to Column M inputs	Enter dbh data in Basal Area tab then link ave B.A. to Column O inputs	Enter dbh data in Basal Area tab then link ave # trees to Column P inputs

FWOP

TY	V1 Landform Cover Age	V2 Forest Size (ha)

Landform	Landcover Type
Floodplain-valle	Low-density residential
	Transitional-shrubland
	Deciduous
	Evergreen
	Mixed
	Orchard-vineyard
	Woody wetlands
Terrace-mesic	Low-density residential
	Transitional-shrubland
	Deciduous
	Evergreen
	Mixed
	Orchard-vineyard
	Woody wetlands
Xeric-ridge	Low-density residential
	Transitional-shrubland

Deciduous
Evergreen

Mixed
Orchard-vineyard
Woody wetlands

V2 SI	V3 Pine Basal A. (m^2/ha)	V3 SI	V4 Hardwood Basal A. (m^2/ha)	V4 SI	V5 Nearest Habitat (m)	V5 SI

V_1 = Landform, landcover type, and successional age class

Successional age class			
Grass-forb	Shrub-seedling	Sapling	Pole
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0.2	0.6
0	0	0.2	0.4
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0.2	0.6
0	0	0.2	0.4
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

0	0	0	0
0	0	0.2	0.6
			0.7
0	0	0.2	0.4
0	0	0	0
0	0	0	0

V6 Density L. Pines (trees/ha)	V6 SI	**FWOP HSI**

FWP

TY	V1 Landform Cover Age	V2 Forest Size (ha)	V2 SI

Saw
0
0
0
0.8
0.4
0
0
0
0
0
0.8
0.4
0
0
0
0

0

0.8

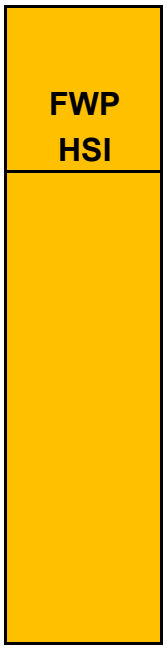
1

0.4

0

0

V3 Pine Basal A. (m^2/ha)	V3 SI	V4 Hardwood Basal A. (m^2/ha)	V4 SI	V5 Nearest Habitat (m)	V5 SI	V6 Density L. Pines (trees/ha)	V6 SI


FWP
HSI

HEP Calc

Project:

Species:

FWOP	TY	Acres	x HSI
	Max=	0.00	

FWP	TY	Acres	x HSI

	Max=	0.00	

NET CHANGE IN AAHUs DUE TO PROJECT

A. Future With Project Pine Savannah AAHUs	=
B. Future Without Project Pine Savannah AAHUs	=
Net Change (FWP - FWOP) =	

FWOP	Future Without Project
FWP	Future With Project
dbh	Diameter at Breast Height
HEP	Habitat Evaluation Procedure
RCW	Red Cockaded Woodpecker
HSI	Habitat Suitability Index
m	meter
ha	hectare
B.A.	Basal Area
ave	average
#	number
L.	Large
SI	Suitability Index
AAHU	Average Annual Habitat Unit
TY	Target Year
HU	Habitat Unit
Cum.	Cumulative

Original RCW HSI Date 8/8/22

Version 2: Revised based on ECO-PCX comments 5/8/2023 P. Smith

Worksheet has been password protected to avoid the accidental modification of reviewed equations. The password is provided below to enable users to make formatting changes. To unlock cells go to the Review tab, select Unprotect Sheet, and enter the password. Any errors in HSI calculations should be reported to the US Army Corps of Engineers - Ecosystem Restoration Planning Center of Expertise (ECO-PCX).

Password: rcw