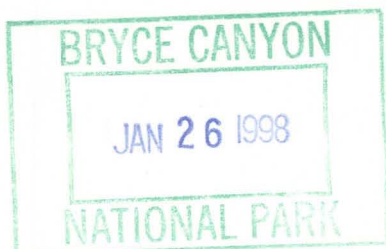




IN REPLY REFER TO:

United States Department of the Interior

FISH AND WILDLIFE SERVICE



JAN 22 1998

On September 29, 1997, the Fish and Wildlife Service published in the *Federal Register* a 90-day finding on a petition to list the Northern Goshawk (*Accipiter gentilis*) in the Western United States under the Endangered Species Act (ESA) (62 FR 50892). That finding initiated a 12 month review of the species' status, which is due to be completed by June 22, 1998. This status review will be used to make a determination as to whether the species should be proposed as threatened or endangered under the ESA.

The Portland Regional Office of the Fish and Wildlife Service has been assigned the lead responsibility for this review. Under the ESA, the Service may determine that a species qualifies for listing based on one or more of the following five factors: 1) the present or threatened destruction, modification or curtailment of its habitat or range; 2) overutilization for commercial, recreational, scientific or educational purposes; 3) disease or predation; 4) the inadequacy of existing regulatory mechanisms; and 5) other natural or man-made factors affecting its continued existence.

Our status review will cover the Northern Goshawk's range in the states of California, Oregon, Washington, Idaho, Montana, Nevada, Utah, Arizona, New Mexico, Colorado, Wyoming, Texas, and South Dakota. The species breeds in most forested habitat types across that area. Thus, the geographic scope of the status review presents an exceptional challenge in gathering and interpreting data on the species' population and habitat trends.

We request your assistance in this effort by providing any information you have regarding the status of the Northern Goshawk in the forested lands west of the 100th meridian. Because our time frames for completing the status review are very short, a response by February 20, 1998, will insure that your information contributes to the Service's deliberations.

The attached form provides a description of the types of data we are specifically seeking on the Northern Goshawk and its habitat, along with a format to use when submitting your data. Use of the attached data format will expedite our collation and synthesis of data from the many respondents to this request.

Please send your response to:

Regional Director, U.S. Fish and Wildlife Service Region 1, 911 11th Avenue, Portland Oregon 97208 (attention: Office of Technical Support - Status Review Team).

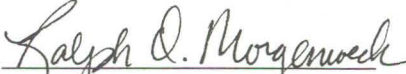
If you have any questions regarding this request or the status review now underway for the Northern Goshawk, please direct them to Mr. David Wesley, Acting Assistant Regional Director, North Pacific Coast Ecoregion at (503) 231-6159.



Regional Director, Region 1



Regional Director, Region 2



Regional Director, Region 6

Attachments



IN REPLY REFER TO:

United States Department of the Interior

FISH AND WILDLIFE SERVICE

911 NE. 11th Avenue
Portland, Oregon 97232-4181

Dear Recipient:

You have received this request because you have been identified as a land manager in the western United States.

The large area covered by our Northern Goshawk Status Review requires us to contact hundreds of individuals, and the short turn-around time required by the court for our petition finding makes personal contact with each of you difficult. However, the quality of our Status Review will be improved with the addition of your response.

For this Review, we are gathering the best information available on goshawk habitat and locations. For this reason, we enclose three information requests that are being sent to many land management entities (Federal, tribal, State, and private). They are intended to provide us with three types of information.

- The first, titled "Goshawk Territory Information" is designed to collect goshawk location information.
- The second, titled "Goshawk Habitat Summary" will provide us with habitat/vegetation information.
- The third is your assessment of the provisions of your land planning document, and how it would provide goshawk habitat in the future. It is titled "Assessment of Land Management Plans."

Each request has instructions to assist you in properly completing the forms. Please follow the data form as closely as possible; however, if you have to provide alternative information, please describe and attach explanatory information to ensure we fully understand your response.

As mentioned in the cover letter to this package, we have a short turn-around time and are requesting your response by February 20, 1998. Any technical questions regarding the information requested on the attached forms can be directed to the Office of Technical Support - Forest Resources: Catrina Martin 503-808-2576 or Cay Ogden 503-808-2577. Thank you for taking the time to assist us in this Status Review process for the Northern Goshawk.



Northern Goshawk
Status Review
Area
1998

Instructions for Goshawk Territory Information Data Form

General Instructions

Before starting - photocopy the blank forms you expect to use (i.e. the number of territories you can report).

The information you report on these forms should be substantiated by documentation in your files. Environmental documents, timber sale plans and records, wildlife inventories and goshawks surveys are potential documentation.

The definition of a goshawk site is:

The actual site center of the territory, based on the latest known nest location, or adult defensive behavior, or observed young. For example, if the nest tree has not been located, but newly fledged young (young of the year, not flying well, tending to stay in tight groups, down feathers visible) are observed in the stand, then consider the location as a nest site. Another example, if adult goshawks display defensive behavior during the breeding season, this should be considered a nest site.

The definition of a goshawk territory is:

A one-mile-radius circle, centered on the goshawk site. For locations with multiple years of data, all sites must be within the 1 mile radius. Nests, adult defensive behavior, and young outside of the 1 mile are to be documented as a separate territory.

The definition of a stand is:

An aggregation of trees occupying a specific area and sufficiently uniform in composition, age, arrangement and condition so that it is distinguishable from the forest in the adjoining areas.

Only goshawk sightings made during the breeding season should be used to identify a site and/or territory.

Instructions for the form fields

Record # _____

Leave blank, this is for our tracking purposes.

Person completing form _____ Phone _____

Representing _____ (land management unit)

In case we need to discuss the data with you, please provide your name, the organization/agency/landowner you are representing, your address and phone number.

Territory Identification Code: _____

If available. Some land managers have developed a tracking system for goshawk nest sites or territories. If this is true for your information, please provide that code. For example, the USDA Forest Service may use: Region, Forest, District, and territory (R03F05D01T02). If a system has not been established for your area, leave this field blank.

Territory Name: _____

Geographic or other descriptor to facilitate future discussions and assist locating the site.

Land ownership(s) of 30 acre 'core area' around the site: _____

Give the land ownership(s) - federal (specify agency), state (specify agency), tribal, private, etc. for the 30 acres immediately around the nest site. When ownership is shared, please estimate the proportion held by each owner. Estimates are acceptable.

Land ownership(s) of the remainder of the 1-mile radius of the territory: _____

Same as above, for the entire 1 mile radius. Estimates are acceptable.

Location: T. R. Sec. 1/4 Of 1/4

Legal location of the goshawk site as specific as possible. For locations with multiple years of data, use the last known nest tree or site of young.

UTM Coordinates - Northing _____ Easting _____

UTM coordinates to 100 meter accuracy.

USGS Quad Name(s): _____

Name of the USGS 7 1/2 minute quad map(s) that shows the acreage of the territory.

Year site was first documented: _____

The year that the site was first located, or the first year when documentation is available.

Summary of documented goshawk use or activity and effort expended at the territory:

1970 _____ effort _____ 1980 _____ effort _____ 1990 _____ effort _____

....

For each year after the 'year first documented', fill in the appropriate code for documented goshawk use of the site during the breeding season -

ND - No Documentation - No records for the site; no information as to whether the site was visited.

NC - Not Checked - Records clearly indicate the site was not visited.

O - Occupied - At least one adult goshawk seen in the area during the nesting season.

NO - Not Occupied - Site was visited in the nesting season, no adult goshawks or young were observed.

For years coded as "O" or "NO", estimate the level of effort expended at the site:

I = brief search of last known site.

II = intensive search of 100 yard radius around last known site.

III = surveyed the entire 1 mile radius around last known site.

IV = no documentation of the level of effort - only the results are documented.

After a determination that the site is occupied, and if your level of effort at the site allows, replace the "O" coding with one of the following.

#- The number of young fledged or seen in the nest.

NB- No Breeding attempt. Subsequent to a determination of "occupied" based on adult goshawk presence, additional monitoring of the site confirmed there was no breeding attempt.

F- Failed. An active nest had been documented, but monitoring of the site confirmed that no young fledged.

Example situations and their appropriate coding:

- A single adult is seen during 2 intensive searches during the nest season, no nest is found = Year Use code - **O** Effort code - **II**
- A single adult is seen during 2 intensive searches during the nest season, later found 1 young = Year Use code - **I** Effort code - **II**
- A pair displays defensive behavior during the nesting/breeding season as you are walking through the stand, nest is not observed Year Use code - **O** Effort code - **I**
- A visit to the area of a previously documented territory finds the previous nest site unoccupied, but surrounding area and within the 1-mile radius is searched and a pair is found along with a new nest containing 3 large young = Year Use code - **3** Effort code - **II**
- Files indicate that a previously documented territory is visited during the nesting season and no goshawks are seen = Year Use code - **NO** Effort code - **IV**

Nest stand description:

size of stand: _____

forest type (tree species composition): _____

tree canopy closure: _____

average tree DBH: _____

Work with a forester or silviculturist to determine the forest type and estimate stand descriptors which characterize the stand(s) of the 30 acre 'core area' around the site.

Overall territory forest type description:

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

Work with a forester or silviculturist to estimate the forest types represented in the territory.

Method used to classify forest types and descriptions:

Because there are a variety of vegetation analysis and inventory methods in use, please describe the methods you used. Did you use aerial photos to estimate the information? Did you conduct a GIS of timber stand data? If you are reporting more than one goshawk territory, but using the same vegetation analysis methods for all, you need only report this once. Do you have timber inventory information shows a correlation between stand DBH and stand age? If so, please attach a copy.

Summary of land management in the territory:

Sample -

Activity	Year	Season	Acres affected
clear cut harvest of mature Doug fir in the territory	1976	unknown	15 acres
selective harvest of larger Ponderosa pine within and adjacent to the nest stand/core area	1989	unknown	30 acres
campground use in the territory; campground built in 1973	all	April - Sept.	3 acres

To the best of your ability, summarize the significant land management activities which occurred in the territory which may have affected goshawk habitat or goshawk use of the territory. Timber harvest of a portion of the territory, road construction, recreation use which may disturb goshawks, etc, should be briefly described.

Notes:

Provide any further explanation needed to accompany your data.

Goshawk Territory Information

(Refer to instructions provided for the Status Review)

(Items shown in **bold** are most important for us to receive)

Record # _____

Person completing form Wanda In the woods Phone 503-555-2755

Representing Snowbush R.A., Ponderosa BLM District (land management unit)

Territory Identification Code: NA - we don't have a system.

Territory Name: Deer Creek pair

Land ownership(s) of 30 acre 'core area' around the site: BLM

Land ownership(s) of remainder of territory: ≈ 20% Forest Service;
≈ 30% private

Location: T. 32S R. 7E Sec. 16 1/4 NE Of NW 1/4

UTM Coordinates - Northing _____ Easting _____

USGS Quad Name(s): Johnson South

SAMPLE

Deer Creek

Year site was first documented: 1986 - timber sale environmental assessment prep.

Summary of documented goshawk use or activity and effort expended at the territory (though this entire block is bold, the recording of the year's activity or use is most important to us):

1970	_____ effort _____	1980	_____ effort _____	1990	<u>NC</u> effort _____
1971	_____ effort _____	1981	_____ effort _____	1991	<u>NC</u> effort _____
1972	_____ effort _____	1982	_____ effort _____	1992	<u>NC</u> effort _____
1973	_____ effort _____	1983	_____ effort _____	1993	<u>NO</u> effort <u>I</u>
1974	_____ effort _____	1984	_____ effort _____	1994	<u>NB</u> effort <u>II</u>
1975	_____ effort _____	1985	_____ effort _____	1995	<u>NC</u> effort _____
1976	_____ effort _____	1986	<u>O</u> effort <u>IV</u>	1996	<u>NC</u> effort _____
1977	_____ effort _____	1987	<u>2</u> effort <u>I</u>	1997	<u>NC</u> effort _____
1978	_____ effort _____	1988	<u>F</u> effort <u>II</u>		
1979	_____ effort _____	1989	<u>NO</u> effort _____		

Nest stand description:

size of stand: 20 acres

forest type (tree species composition): Mixed-conifer

tree canopy closure: 75% by densiometer

average tree DBH: 17 inches

Overall territory forest type description:

forest type	<u>Mixed-conifer</u>	ave. DBH	<u>17"</u>	stand age	<u>120%</u> of 1 mile radius	<u>41%</u>
forest type	<u>mixed-con</u>	ave. DBH	<u>4"</u>	stand age	<u>10%</u> of 1 mile radius	<u>10%</u>
forest type	<u>Aspen</u>	ave. DBH	<u>10</u>	stand age	<u>?</u> % of 1 mile radius	<u>5%</u> 390
forest type	<u>Ponderosa</u>	ave. DBH	<u>24"</u>	stand age	<u>200%</u> of 1 mile radius	<u>46%</u>
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius	_____

Method used to classify forest types and descriptions:

conifer types - ~~forest~~ timber inventory on GIS.
Aspen - ~~estimated~~

Summary of land management in the territory:

Activity	Year	Season	Acres affected
<i>Deer Creek timber sale - clearcut</i>	<i>1987</i>	<i>Fall</i>	<i>16</i>
<i>10 % of the mixed-conifer</i>			

Notes:

SAMPLE

Goshawk Territory Information

(Refer to instructions provided for the Status Review)

(Items shown in **bold** are most important for us to receive)

Record # _____

Person completing form DOUGLAS NEIGHBOR Phone (435) 834-4901

Representing NATIONAL PARK SERVICE (land management unit)

BRYCE CANYON NATIONAL PARK
P.O. Box 170001

BRYCE CANYON, UT 84717

Territory Identification Code: N/A

Territory Name: EAST CREEK

Land ownership(s) of 30 acre 'core area' around the site: NATIONAL PARK SERVICE

Land ownership(s) of remainder of territory: NPS ≈ 30%; DIXIE NATIONAL FOREST ≈ 70%

Location: T. 37S R. 4E Sec. 2 1/4 SE of 1/4 SW

UTM Coordinates - Northing 4163110 Easting 394940

USGS Quad Name(s): BRYCE POINT, UTAH

Year site was first documented: 1991

Summary of documented goshawk use or activity and effort expended at the territory (though this entire block is bold, the recording of the year's activity or use is most important to us):

1970	_____ effort _____	1980	_____ effort _____	1990	_____ effort _____
1971	_____ effort _____	1981	_____ effort _____	1991	<u>0</u> effort <u>IV</u>
1972	_____ effort _____	1982	_____ effort _____	1992	_____ effort _____
1973	_____ effort _____	1983	_____ effort _____	1993	_____ effort _____
1974	_____ effort _____	1984	_____ effort _____	1994	_____ effort _____
1975	_____ effort _____	1985	_____ effort _____	1995	_____ effort _____
1976	_____ effort _____	1986	_____ effort _____	1996	_____ effort _____
1977	_____ effort _____	1987	_____ effort _____	1997	_____ effort _____
1978	_____ effort _____	1988	_____ effort _____		
1979	_____ effort _____	1989	_____ effort _____		

Nest stand description:

size of stand: N/A

forest type (tree species composition): PONDEROSA PINE

tree canopy closure: N/A

average tree DBH: 13.73

Overall territory forest type description:

forest type PONDEROSA PINE ave. DBH 13.7 stand age 120 % of 1 mile radius 30%

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

Method used to classify forest types and descriptions:

Field measurement taken during Insect + Disease Condition's
by Forest Health Protection

Summary of land management in the territory:

Activity	Year	Season	Acres affected
Dirt roads bisect area	1934	Used Year Round	

Notes: No surveys were conducted prior to 1992. Data prior to 1992 was obtained from wildlife observation cards + maps.

Goshawk Territory Information

(Refer to instructions provided for the Status Review)
(Items shown in **bold** are most important for us to receive)

Record # _____

Person completing form DOUGLAS NEIGHBOR Phone (435) 834-4901

Representing NATIONAL PARK SERVICE (land management
unit) BRUCE CANYON NATIONAL PARK

P.O. Box 170001
BRUCE CANYON, UT 84717

Territory Identification Code: N/A

Territory Name: YOVIAPA PASS

Land ownership(s) of 30 acre 'core area' around the site: NATIONAL PARK SERVICE

Land ownership(s) of remainder of territory: NPS $\approx$ 80% ; DIXIE NATIONAL
FOREST $\approx$ 20%

Location: T. 38S. R. 4E Sec. 30 1/4 SE of 1/4 NE

UTM Coordinates - Northing 4147610 Easting 388950

USGS Quad Name(s): PODUNK CREEK, UTAH

Year site was first documented: 1972

Summary of documented goshawk use or activity and effort expended at the territory (though this entire block is bold, the recording of the year's activity or use is most important to us):

1970	_____	effort	_____	1980	_____	effort	_____	1990	_____	effort	_____
1971	_____	effort	_____	1981	_____	effort	_____	1991	_____	effort	_____
1972	<u>ND</u>	effort	<u>IV</u>	1982	_____	effort	_____	1992	_____	effort	_____
1973	_____	effort	_____	1983	_____	effort	_____	1993	_____	effort	_____
1974	_____	effort	_____	1984	_____	effort	_____	1994	<u>0</u>	effort	<u>II</u>
1975	_____	effort	_____	1985	_____	effort	_____	1995	<u>0</u>	effort	<u>II</u>
1976	_____	effort	_____	1986	_____	effort	_____	1996	_____	effort	_____
1977	_____	effort	_____	1987	_____	effort	_____	1997	_____	effort	_____
1978	_____	effort	_____	1988	_____	effort	_____				
1979	_____	effort	_____	1989	_____	effort	_____				

Nest stand description:

size of stand: N/A

forest type (tree species composition): MIXED - CONIFER

tree canopy closure: N/A

average tree DBH: 13.73

Overall territory forest type description:

forest type	<u>Mixed - Conifer</u>	ave. DBH	<u>13.73</u>	stand age	<u>124</u> % of 1 mile radius	<u>90</u> %
forest type	<u>Aspen</u>	ave. DBH	<u>N/A</u>	stand age	<u>N/A</u> % of 1 mile radius	<u>10</u> %
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius	_____
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius	_____
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius	_____

Method used to classify forest types and descriptions:

Field measurements taken during Insect + Disease Conditions
by Forest Health Protection

Summary of land management in the territory:

Activity	Year	Season	Acres affected
Hiking Trails and park road bisect area	1939	Used Year round	

Notes: No surveys were conducted prior to 1992. Data prior to 1992 was obtained from wild life observation cards and maps

Goshawk Territory Information

(Refer to instructions provided for the Status Review)

(Items shown in **bold** are most important for us to receive)

Record # _____

Person completing form DOUGLAS NEIGHBOR Phone (435) 834-4901

Representing NATIONAL PARK SERVICE (land management
unit) BRYCE CANYON NATIONAL PARK

P.O. Box 170001
BRYCE CANYON, UT 87417-0001

Territory Identification Code: N/A

Territory Name: BRYCE CREEK

Land ownership(s) of 30 acre 'core area' around the site: NATIONAL PARK SERVICE

Land ownership(s) of remainder of territory: NPS ≈ 50% ; PRIVATE LAND ≈ 50%

Location: T. 37S R. 3E Sec. 5 1/4 NE of 1/4 SW

UTM Coordinates - Northing 4163620 Easting 399900

USGS Quad Name(s): BRYCE POINT, UTAH

Year site was first documented: 1995

Summary of documented goshawk use or activity and effort expended at the territory (though this entire block is bold, the recording of the year's activity or use is most important to us):

1970	_____	effort	_____	1980	_____	effort	_____	1990	_____	effort	_____
1971	_____	effort	_____	1981	_____	effort	_____	1991	_____	effort	_____
1972	_____	effort	_____	1982	_____	effort	_____	1992	_____	effort	_____
1973	_____	effort	_____	1983	_____	effort	_____	1993	_____	effort	_____
1974	_____	effort	_____	1984	_____	effort	_____	1994	_____	effort	_____
1975	_____	effort	_____	1985	_____	effort	_____	1995	<u>1</u>	effort	<u>II</u>
1976	_____	effort	_____	1986	_____	effort	_____	1996	_____	effort	_____
1977	_____	effort	_____	1987	_____	effort	_____	1997	_____	effort	_____
1978	_____	effort	_____	1988	_____	effort	_____				
1979	_____	effort	_____	1989	_____	effort	_____				

Nest stand description:

size of stand: N/A

forest type (tree species composition): PINYON - JUNIPER / PONDEROSA PINE

tree canopy closure: N/A

average tree DBH: N/A

Overall territory forest type description:

forest type	<u>PONDEROSA</u>	ave. DBH	<u>13.73</u>	stand age	<u>120%</u> of 1 mile radius	<u>30 %</u>
forest type	<u>PINYON/JUNIPER</u>	ave. DBH	<u>N/A</u>	stand age	<u>N/A</u> % of 1 mile radius	<u>30%</u>
forest type	<u>PINE / OAK WOODLAND</u>	ave. DBH	<u>N/A</u>	stand age	<u>NA</u> % of 1 mile radius	<u>40%</u>
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius	_____
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius	_____

Method used to classify forest types and descriptions:

Summary of land management in the territory:

Activity	Year	Season	Acres affected
Hiking trails and dirt road bisect area	1934	Used Year Round	

Notes: No surveys were conducted prior to 1992.

Goshawk Territory Information

(Refer to instructions provided for the Status Review)
(Items shown in **bold** are most important for us to receive)

Record # _____

Person completing form DOUGLAS NEIGHBOR Phone (435) 834-4901

Representing NATIONAL PARK SERVICE (land management
unit) BRYCE CANYON NATIONAL PARK

P.O. Box 170001

BRYCE CANYON, UT 87414-0001

Territory Identification Code: N/A

Territory Name: CAMPBELL CREEK

Land ownership(s) of 30 acre 'core area' around the site: NATIONAL PARK SERVICE

Land ownership(s) of remainder of territory: NATIONAL PARK SERVICE

Location: T. 36S R. 3E Sec. 31 1/4 NW of 1/4 NE

UTM Coordinates - Northing 4165720 Easting 397680

USGS Quad Name(s): BRYCE CANYON, UTAH

Year site was first documented: 1963

Summary of documented goshawk use or activity and effort expended at the territory (though this entire block is bold, the recording of the year's activity or use is most important to us):

1963 <u>0</u> effort <u>IV</u>	1980 <u>0</u> effort <u>IV</u>	1990 <u>0</u> effort <u>IV</u>
1967 <u>ND</u> effort <u>IV</u>	1981 <u>0</u> effort <u>IV</u>	1991 _____ effort _____
1972 _____ effort _____	1982 <u>0</u> effort <u>IV</u>	1992 <u>0</u> effort <u>II</u>
1973 _____ effort _____	1983 _____ effort _____	1993 <u>2</u> effort <u>II</u>
1974 _____ effort _____	1984 _____ effort _____	1994 <u>3</u> effort <u>II</u>
1975 _____ effort _____	1985 <u>ND</u> effort <u>IV</u>	1995 <u>2</u> effort <u>II</u>
1976 _____ effort _____	1986 _____ effort _____	1996 _____ effort _____
1977 _____ effort _____	1987 _____ effort _____	1997 _____ effort _____
1978 _____ effort _____	1988 _____ effort _____	
1979 _____ effort _____	1989 <u>ND</u> effort <u>IV</u>	

Nest stand description:

size of stand: N/A

forest type (tree species composition): PONDEROSA PINE

tree canopy closure: N/A

average tree DBH: 13.73

Overall territory forest type description:

forest type <u>PONDEROSA PINE</u>	ave. DBH <u>13.73</u>	stand age <u>120</u>	% of 1 mile radius <u>100%</u>
forest type _____	ave. DBH _____	stand age _____	% of 1 mile radius _____
forest type _____	ave. DBH _____	stand age _____	% of 1 mile radius _____
forest type _____	ave. DBH _____	stand age _____	% of 1 mile radius _____
forest type _____	ave. DBH _____	stand age _____	% of 1 mile radius _____

Method used to classify forest types and descriptions:

Field measurements taken during insect + disease conditions
by Forest Health Protection

Summary of land management in the territory:

Activity	Year	Season	Acres affected
Developed area of Bryce Canyon N.P. w/			
Lodge, hiking trails, residential area,			
visitor center, etc.	1934	Used Year round	

Notes: No surveys were conducted prior to 1992. Data prior to 1992 was obtained from wildlife observation cards and maps.

Goshawk Territory Information

(Refer to instructions provided for the Status Review)
(Items shown in **bold** are most important for us to receive)

Record # _____

Person completing form DOUGLAS NEIGHBOR Phone (435) 834-4901

Representing NATIONAL PARK SERVICE (land management
unit) BRYCE CANYON NATIONAL PARK

P.O. BOX 170001
BRYCE CANYON, UT 84717-0001

Territory Identification Code: N/A

Territory Name: PARIA

Land ownership(s) of 30 acre 'core area' around the site: NATIONAL PARK SERVICE

Land ownership(s) of remainder of territory: NATIONAL PARK SERVICE

Location: T. 37S R. 4E Sec. NW1/4 Of SW 1/4

UTM Coordinates - Northing 4160720 Easting 395660

USGS Quad Name(s): BRYCE POINT, UTAH

Year site was first documented: 1981

Summary of documented goshawk use or activity and effort expended at the territory (though this entire block is bold, the recording of the year's activity or use is most important to us):

1970	_____ effort _____	1980	_____ effort _____	1990	_____ effort _____
1971	_____ effort _____	1981	<u>ND</u> effort <u>IV</u>	1991	_____ effort _____
1972	_____ effort _____	1982	_____ effort _____	1992	_____ effort _____
1973	_____ effort _____	1983	_____ effort _____	1993	<u>2</u> effort <u>III</u>
1974	_____ effort _____	1984	_____ effort _____	1994	<u>0</u> effort <u>II</u>
1975	_____ effort _____	1985	_____ effort _____	1995	<u>0</u> effort <u>II</u>
1976	_____ effort _____	1986	_____ effort _____	1996	_____ effort _____
1977	_____ effort _____	1987	_____ effort _____	1997	_____ effort _____
1978	_____ effort _____	1988	_____ effort _____		
1979	_____ effort _____	1989	_____ effort _____		

Nest stand description:

size of stand: N/A

forest type (tree species composition): PONDEROSA PINE

tree canopy closure: N/A

average tree DBH: 13.73

Overall territory forest type description:

forest type PONDEROSA PINE ave. DBH 13.73 stand age 120 % of 1 mile radius 100 %

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

forest type _____ ave. DBH _____ stand age _____ % of 1 mile radius _____

Method used to classify forest types and descriptions:

Field measurement taken during Insect + Disease Conditon
by Forest Health Protection

Summary of land management in the territory:

Activity	Year	Season	Acres affected
Hiking trails and main Park road			
bicect area	1934	Used Year Round	

Notes: No surveys were conducted prior to 1992. Data prior to 1992 was obtained from wildlife observation cards and maps.

Goshawk Territory Information

(Refer to instructions provided for the Status Review)
(Items shown in **bold** are most important for us to receive)

Record # _____

Person completing form DOUGLAS NEIGHBOR Phone (435) 834-4901

Representing NATIONAL PARK SERVICE (land management
unit) BRYCE CANYON NATIONAL PARK

P.O. Box 170001
BRYCE CANYON, UT 84717

Territory Identification Code: N/A

Territory Name: SWAMP CANYON

Land ownership(s) of 30 acre 'core area' around the site: NATIONAL PARK SERVICE

Land ownership(s) of remainder of territory: NATIONAL PARK SERVICE

Location: T. 37SR. 4E Sec. 22 1/4 NW of 1/4 NE

UTM Coordinates - Northing 4159630 Easting 393100

USGS Quad Name(s): BRYCE POINT, UTAH

Year site was first documented: 1995

Summary of documented goshawk use or activity and effort expended at the territory (though this entire block is bold, the recording of the year's activity or use is most important to us):

1970	_____ effort _____	1980	_____ effort _____	1990	_____ effort _____
1971	_____ effort _____	1981	_____ effort _____	1991	_____ effort _____
1972	_____ effort _____	1982	_____ effort _____	1992	_____ effort _____
1973	_____ effort _____	1983	_____ effort _____	1993	_____ effort _____
1974	_____ effort _____	1984	_____ effort _____	1994	_____ effort _____
1975	_____ effort _____	1985	_____ effort _____	1995	<u>0</u> effort <u>II</u>
1976	_____ effort _____	1986	_____ effort _____	1996	_____ effort _____
1977	_____ effort _____	1987	_____ effort _____	1997	_____ effort _____
1978	_____ effort _____	1988	_____ effort _____		
1979	_____ effort _____	1989	_____ effort _____		

Nest stand description:

size of stand: N/A

forest type (tree species composition): PONDEROSA PINE

tree canopy closure: N/A

average tree DBH: 13.73

Overall territory forest type description:

forest type	<u>PONDEROSA PINE</u>	ave. DBH	<u>13.73</u>	stand age	<u>120</u> % of 1 mile radius <u>100%</u>
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius _____
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius _____
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius _____
forest type	_____	ave. DBH	_____	stand age	_____ % of 1 mile radius _____

Method used to classify forest types and descriptions:

Field measurements taken during Insect + Disease conditions
by Forest Health Protection

Summary of land management in the territory:

Activity	Year	Season	Acres affected
Hiking trails and park road bisect area	1934	Used year round	

Notes: No surveys were conducted prior to 1992.

Goshawk Habitat Summary

Person(s) completing this form (name and phone number): DOUGLAS NEIGHBOR (435) 834-4901

Land Management Unit Represented: BRUCE CANYON NATIONAL PARK

The forest conditions we will quantify for this review are stands with relatively large DBH and dense tree canopy closure (CC). Because of the wide variability in forest cover types which are used by goshawks in the area of this Review, the size of "large DBH" and "dense tree canopy closure" varies.

This table shows the general forest types which we are interested in. In the table are the stand data which we would like to use for this query. Recognizing that your vegetation inventory may not be capable of breaking the data into these forest types and stand categories, please refer to the table footnotes.

Forest Type*	Stand Descriptors**	1988 acreage***	1998 acreage***	2028 acreage***	Acres capable**** of supporting these Forest conditions	
Pinyon-Juniper	≥ 10" DBH, ≥60% CC	-				
	≥8" + <10" DBH, ≥40% CC	7475	7475	7475	7475	
Ponderosa Pine	≥16" DBH, ≥ 60% CC					
	≥10" + <16" DBH, ≥40% CC	14732	14732	14732	14732	

Forest Type*	Stand Descriptors**	1988 acreage***	1998 acreage***	2028 acreage***	Acres capable**** of supporting this Forest Type	
Mixed Conifer	≥16" DBH, ≥ 60% CC	5110	5110	5110	5110	
	≥10" + <16" DBH, ≥40% CC					
Douglas fir/hemlock	≥16" DBH, ≥ 60% CC	0	0	0	0	
	≥10" + <16" DBH, ≥40% CC					
Douglas fir/hardwood	≥16" DBH, ≥ 60% CC	0	0	0	0	
	≥10" + <16" DBH, ≥40% CC					
Pine/oak woodland	≥12" DBH, ≥ 60% CC					
	≥8" + <12" DBH, ≥40% CC	613	613	613	613	
Aspen	≥12" DBH, ≥ 60% CC					
	≥8" + <12" DBH, ≥40% CC	494	494	494	1853	
Lodgepole pine	≥9" DBH, ≥60% CC	0	0	0	0	
	≥8" + <10" DBH, ≥40% CC					

Forest Type*	Stand Descriptors**	1988 acreage***	1998 acreage***	2028 acreage***	Acres capable**** of supporting this Forest Type	
Redwood/Spruce	≥ 16" DBH, ≥ 60% CC	0	0	0	0	
	≥ 10" + < 16" DBH, ≥ 40% CC					
True Fir	≥ 16" DBH, ≥ 60% CC	N/A	N/A	N/A	0	See Mixed Conifer
	≥ 8" + < 16" DBH, ≥ 40% CC					
Madrean	≥ 10" DBH, ≥ 60% CC	0	0	0	0	
	≥ 8" + < 10" DBH, ≥ 40% CC					

* If you are not able to report information using these forest type descriptions, please attach documentation which clearly explains the definitions of forest types you are using to prepare this report.

** These are provided as the descriptors we prefer to see reported. We understand that your vegetation data may not identify stands using these exact measurements. Please report vegetation using the nearest breakpoint to our preferred, and attach documentation which describes the categories you used, providing the DBH and canopy closure information.

*** These are the years we would prefer to see reported. We understand that your vegetation data may not lend itself to providing acreage estimates for exactly these years. Please report the nearest year's data you have and report to us the year you used.

**** Based on the ecological capability (i.e. potential vegetation mapping), and disregarding natural disturbance factors (we will address the issues of sustainability in a separate manner), how many acres of your reporting area would be capable of supporting this forest type and size/canopy closure? If the forest type does not occur within your area, put "0" here.

Assessment of Land Management Plans

In this request we are trying to understand how the current land management plans direct management of goshawk habitat and nest sites. Some plans have specific goshawk management direction which we'd like to understand. There are also other provisions in plans which are not specifically goshawk-driven, but result in management of habitat in a manner that supports goshawks as well as meeting the first intent. For instance, some National Forest Plans have acreage in management for pine marten, pileated woodpeckers, back country or roadless recreation, etc. These other allocations should be counted in responding to this series of questions if they are judged by a biologist to provide forest habitat of sufficient canopy closure and tree size to be considered goshawk habitat and their management direction could allow goshawk occupancy of this habitat.

We are asking planners and biologists to provide this candid assessment of the documents because we feel you are most familiar with the content and implementation of these plans. To allow us to clearly understand the basis for your conclusions, we're asking that you photocopy and attach the pages from your planning documents which supports your conclusions.

The response to this data request should be prepared jointly by a Planner and a Wildlife Biologist. In case we need to clarify your response, please provide:

	Name	Phone
Planner		
Biologist	DOUGLAS NEIGHBOR	(935) 834-4901
Plan Name	GENERAL MANAGEMENT PLAN / DEVELOPMENT CONCEPT PLAN	
Plan Date	8/31/87	Life of Plan 10-15 years

Dates, purpose and acreage affected of Plan amendments* which are pertinent to the management of goshawk habitat:

(A plan amendment is 'pertinent to goshawk habitat' if it results in forest habitat of sufficient canopy closure and tree size to be considered goshawk habitat and their management direction could allow goshawk occupancy of this habitat.)

Next scheduled Plan revision: _____

As a result of the signed Planning documents, what acreage is being managed in a manner consistent with goshawk nesting on your Forest?

Column 1	Column 2	Column 3	Column 4
Land allocation identification in Plan*	Total acres of that allocation	Estimated Amount of Column 2 which is capable of supporting goshawk nesting habitat	Estimated Amount of Column 2 which is currently goshawk nesting habitat
35836	35836	30000	30000

* Attach photocopy of pages from Planning documents which describe the management of these acres.

Notes and explanations:

GENERAL MANAGEMENT PLAN
BRYCE CANYON NATIONAL PARK
UTAH

Prepared by
Rocky Mountain Regional Office
and
Bryce Canyon National Park

National Park Service
United States Department of the Interior

Lorraine Mintzinger
Regional Director
Rocky Mountain Regional Office

8-31-87
Approved
Date

supports. A comprehensive water resource management plan is needed to analyze problems and assist in making management decisions.

The park has identified the following actions as being necessary to properly comply with legislation concerning management of water resources:

Prepare a comprehensive water resource management plan and conduct research that assesses impacts of water removal and its implications for development limitation and possible impacts on other natural resources.

Maintain all water systems to meet local, State, and Federal standards.

Conduct water resource inventory of park and monitor surface water and tributaries for quality and quantity and erosion, pollution, and possible resource damage.

Pursue and secure water rights for the park through State adjudication process.

Wildlife

General Strategies - Park Service management policies call for the park to perpetuate the native animal life of the park for their essential role in the natural ecosystem. Park wildlife populations are affected to different degrees by man's activities. Some populations appear to be influenced very little by human disturbances while others interact closely with park visitors creating unnatural concentration. Some areas become overpopulated which leads to disease that can effect wildlife populations as well as the safety, health, and well being of visitors.

The following strategies are recommended within the Resource Management Plan to address general wildlife management concerns:

Maintain periodic boundary and poaching patrols, control of visitor-wildlife interactions, wildlife disease control, general wildlife monitoring, and existing wildlife restoration programs.

Monitor and evaluate control of unnatural wildlife concentrations in visitor-use areas and coordinate wildlife programs with other agencies.

Monitor selected species and their habitat, problem rodents, endangered species, and occurrence of unique and common species.

Collect baseline data on wildlife species populations, composition, and trends in relation to habitat.

Conduct research for ways to control unnatural populations of wildlife species in high visitor-use areas.

Peregrine Falcon - An active peregrine eyrie was discovered within Bryce Canyon National Park in July 1982. Since the American peregrine falcon has been identified as an endangered species, the park is required to conduct programs for the conservation of endangered species and insure that actions authorized, funded, or carried out by the park do not jeopardize the continued existence of such endangered species or result in the destruction or modification of habitat of such species.

Strategies necessary to accomplish these responsibilities include the following:

Maintain communication with Peregrine Falcon Recovery Team concerning the park peregrines.

Close nesting site area to visitor use. (This would include climbing, hiking, camping, and so forth.)

Enlist cooperation of all forms of aviation to avoid the eyrie sites.

Monitor eyrie--especially during critical nesting period--and conduct research on the peregrines to determine critical habitat and other parameters needed to support management decisions.

Prairie Dog - Utah prairie dogs (*Cynomys parvidens*) were reintroduced in the park in 1975 as part of the endangered species recovery program. Populations have expanded since the reintroduction. In the summer of 1981, a town of nearly 100 animals was wiped out by bubonic plague.

The park is working with the Utah Division of Wildlife Resources to determine an optimum population for the park. The relationship between fire and prairie dogs also needs to be better understood.