

Beirdneau/Valhalla
Summer Homesite Association

Wildfire Plan

For the Wildland-Urban Interface
Between Wasatch-Cache National Forest and
the Beirdneau/Valhalla Summer Homesite
Association

Protecting Life, Property, and
Community Values
Through
Community-Based Planning



2005

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The description identifies “community” resources that can be used to complete the goals for the plan, and it provides a physical description of the Beirdneau Summer Home Site that can guide wildfire preparation and response decisions.

Section II – Beirdneau/Valhalla Prescription

The prescription includes the plan and the specific actions needed to complete the goals for the plan. For the actions that are identified, responsible parties, resources and priorities are given.

Section III – Wildfire Reference Resources

This section contains a list of wildfire preparation and response resources that have been selected for retention in Beirdneau/Valhalla’s wildfire reference library.

Section IV – Technical Assessments by Fire Officials

This section includes fire officials’ assessments and ratings of the wildfire hazard in Beirdneau/Valhalla and their recommendations for actions to mitigate hazards.

Appendix

The appendix includes emergency contact lists, technical assessments and worksheets, maps, etc.

INTRODUCTION

Within the fire-susceptible Wasatch-Cache National Forest are a number of summer home sites; these areas of wildland-urban interface pose special challenges for fire risk reduction. The protection of the people, homes, and infrastructures of the summer home sites, in addition to the protection of the natural forest resources, is a share responsibility between the people who recreate in the summer home sites and the local, county, state and federal governments. The primary responsibility, however, remains at the citizen/owner and association level.

The homeowners in the Beirdneau/Valhalla Summer Home Site, located in the Logan Ranger District of the Wasatch-Cache National Forest, recognize their individual responsibilities. As a first step in effectively meeting the challenge of their responsibilities, the homeowners are collectively identifying the actions to take before a wildfire occurs to improve the chances of survivability of the Site's people, structures, and natural resources. The result is this document: The Beirdneau/Valhalla Wildfire Plan.

The Beirdneau/Valhalla Wildfire Plan addresses specific aspects of the Beirdneau/Valhalla Summer Home Site which increase the wildfire risk, including:

- Homes are in a secluded area surrounded by natural and introduced vegetation.
- Homes are built of flammable materials.
- Fire equipment will be hampered from protecting the area because of long, narrow, winding, and steep roads.
- Distance from fire departments is fairly far.
- One ingress and egress road exists.
- Misperception that fire protection for the Site is equal to urban fire protection services may exist among homeowners.
- Inadequate water supply will hamper any fire suppression efforts.
- Poor signage and access to homes will delay the delivery of emergency services.
- No hazard planning for evacuation and no early warning systems exist.
- Utility service lines and propane tanks pose risks.

The purpose of the Beirdneau/Valhalla Wildfire Plan is to reduce the potential for and the consequences of wildfires by:

- Empowering individuals to organize, plan, and take action on issues impacting Site safety
 - ✓ Coordination
 - ✓ Education
 - ✓ Training
 - ✓ Fuel modification
 - ✓ Fire Prevention
 - ✓ Public Safety
- Enhancing levels of fire resistance and protection through:
 - ✓ Improved fire prevention and public education
 - ✓ Improved coordination within the Site
 - ✓ Development of long-term strategies
- Identifying the risks of wildland/urban interface fires in the area
- Identifying strategies to reduce the risks to homes and resources during a wildfire.

Utah Community Fire Planning
Beirdneau/Valhalla Fire Planning Checklist

Community: Beirdneau/Valhalla Summer Homesite Assoc. County: Cache

Primary Contact: Paul Puzey Phone: 801-825-9267

Secondary Contact: Sandra Thorne-Brown Phone: 208-234-9970

Section		Completed by Printed Name / Signature	Date
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Section		Completed by Printed Name / Signature	Date
II.	Beirdneau/Valhalla Prescription Goals of Plan Identification of Actions Identification of Responsible Parties, Resources, and Priorities	_____ / _____ _____ / _____ _____ / _____	_____ _____ _____
III.	Wildfire Reference Resources List of resources available in Beirdneau wildfire reference library. The library is maintained and kept by: <u>Sandra Thorne-Brown & Paul Puzey</u> _____	_____ / _____	_____
IV.	Technical Assessments A. Beirdneau/Valhalla Description Area Topography and Vegetation Infrastructure Water Supply Emergency Services / Equipment Capabilities <i>Hazard Evaluation:</i> Area Fire History Beirdneau/Valhalla Hazard Rating Property / Structure Ratings Expected Fire Behavior B. Beirdneau/Valhalla Prescription Fuel Modification Projects Infrastructure Improvements Education Wildfire Response / Pre-Attack Plan Monitoring and Evaluation Evacuation Plan	_____ / _____ _____ / _____ _____ / _____ _____ / _____ _____ / _____ _____ / _____ _____ / _____ _____ / _____ _____ / _____ _____ / _____ _____ / _____ _____ / _____	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
	Appendix Emergency contact lists Technical assessments and worksheets Maps (topography, escape routes, etc.)	_____ / _____ _____ / _____ _____ / _____	_____ _____ _____

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Declaration and Concurrence Page

Name / Affiliation: Kelly Allen / Bear River WUI Coordinator, Utah Div. Of Forestry, Fire and State Lands

Signature: _____ Date: _____

Name / Affiliation: Rob Cruz / Logan District Ranger, Wasatch-Cache National Forest

Signature: _____ Date: _____

Name / Affiliation: Bear River Association of Governments

Signature: _____ Date: _____

Name / Affiliation: Kelly Pitcher / Fire Chief, Cache County Fire District

Signature: _____ Date: _____

Name / Affiliation: Daron Henroe / Cache County Sheriff's Department

Signature: _____ Date: _____

Name / Affiliation: Roxanne King / Cache County Chapter, American Red Cross

Signature: _____ Date: _____

Name / Affiliation: Paul Puzey / President, Beirdneau/Valhalla Association

Signature: _____ Date: _____

Name / Affiliation: Sandra Thorne-Brown / Beirdneau/Valhalla Association

Signature: _____ Date: _____

Name / Affiliation: John Metcalf / Beirdneau/Valhalla Association

Signature: _____ Date: _____

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PART I BEIRDNEAU/VALHALLA DESCRIPTION

1. Planning Committee Members List

<u>Name</u>	<u>Affiliation</u>	<u>Phone Number</u>	<u>E-mail</u>
Jerry Bruner	Wasatch-Cache National Forest	435-755-3620	gbrunner@fs.fed.us
Kelly Allen	Utah Division of Forestry, Fire and State Lands	435-752-8701	kellyallen@utah.gov
Kelly Pitcher	Cache County Fire Dept.	435-716-7299	Kelly@yoda.state.ut.us
Laura Lowe	Beirdneau/Valhalla Association	435-753-7428 435-635-2743	
Don & Joan Fullmer	Beirdneau/Valhalla Association	435-753-2685	
Wayne & Irene Payne	Beirdneau/Valhalla Association	435-257-3998	
Wesley & Merlene Johnson	Beirdneau/Valhalla Association	435-752-6904	
Harold & Marchene Bywater	Beirdneau/Valhalla Association	435-563-3087	
Phil & Linda Leonard	Beirdneau/Valhalla Association	801-451-7905 801-755-7147	
Herb & Rosemary Fullerton	Beirdneau/Valhalla Association	435-752-5218	
Paul & Julie Puzey	Beirdneau/Valhalla Association	801-825-9167	ppuzey@usoe.k12.ut.us
Jay & Lerene Berry	Beirdneau/Valhalla Association	435-753-7646	jayberry@pcu.net
Sandra Thorne-Brown & Bob Brown	Beirdneau/Valhalla Association	208-234-9970	sthorneb@gmail.com
John and Doris Metcalf	Beirdneau/ Valhalla Association	435-753-3755 435-773-8589	gr8met@att.net
Olie & Johnnie Nelson	Beirdneau/ Valhalla Association	435-752-5165	
Doug & Allison VonFelt	Beirdneau/ Valhalla Association	785-841-2534	

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2. Beirdneau/Valhalla Legal Structure

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
Logan Ranger District, Wasatch-Cache National Forest	Jerry Brunner	435-755-3620	gbrunner@fs.fed.us
Cache County Planning Office			
Beirdneau/Valhalla Association	Paul Puzey	801-825-9167	ppuzey@usoe.k12.ut.us

3. Population of Beirdneau/Valhalla

Approximate number of homes: 13

Approximate number of lots: 13

Approx. number of commercial entities: 0

Approximate number of full-time residents: 0

Approximate number of part-time residents: 30

Approx. visitor population during fire season: 50

4. Estimated Values at Risk in Beirdneau/Valhalla

The estimated values at risk of residential property in the year 2005 is approximately \$ 650,000. (Estimated using a value of \$50,000 per summer home.)

5. Natural Resources at Risk in Beirdneau/Valhalla

The Beirdneau/Valhalla Summer Homesite is on land in the Wasatch-Cache National Forest. The Forest is replete with forested lands, wildlife, and recreation and tourism opportunities. In addition, State Highway 89, which runs along-side Beirdneau and Valhalla, has been designated as one of the most scenic byways in Utah and as one of the ten most scenic byways in the National Forest System.

6. Commercial Entities in Beirdneau/Valhalla -- None

7. Formal Associations in Beirdneau/Valhalla

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
Beirdneau/Valhalla Summer Homesite Association	Paul Puzey, President	801-825-9167	ppuzey@usoe.k12.ut.us

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8. Media Support for Beirdneau/Valhalla

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
Logan Herald Journal		435-752-2121	

9. Schools in Beirdneau/Valhalla -- None

10. Transportation in Beirdneau/Valhalla -- None

11. Private Emergency Services and Equipment - none

12. Restricting Covenants, Ordinances, etc.

Because the Beirdneau/Valhalla Summer Homesite is administered by the Wasatch-Cache National Forest, Forest Service rules, regulations and permit stipulations must be followed in any and all fuel management or fire protection projects.

13. Insurance Rating

Fire Insurance Rating: 9

14. PHYSICAL DESCRIPTION

The following are general clearance requirements for emergency equipment.

Road clearance height	≥ 13'6"	Dead end street turnaround	≥ 100' diameter
Road clearance width	≥ 20'	Bridge/culvert weight limit	≥ 20 tons per axle
Driveway clearance height	≥ 13'6"	Driveway turnarounds*	≥ 30' (inside turning radii), 45' (outside)
Driveway clearance width	≥ 12'	Driveway turnouts**	≥ 10' wide and 30' long
			* for driveways in excess of 150' in length
			** for driveways in excess of 200' in length and less than 20' in width

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A. Access to and within Beirdneau and Valhalla

- i. Directions to Beirdneau and Valhalla from the nearest town:

From Logan, UT, go east on State Highway 89, toward Logan Canyon. From the mouth of Logan Canyon, the Beirdneau turnoff is approximately 6 miles and on the north side of the highway just east of the Malibu-Guinavah Campground. The Valhalla turnoff is approximately 6.5 miles from the mouth of Logan Canyon and is on the south side of the Highway 89.

- ii. All-weather access to Beirdneau and Valhalla:

State Highway 89 provides a two lane, all weather access route to the entrances of Beirdneau and Valhalla.

- iii. Seasonal access within Beirdneau and Valhalla:

The access road to Beirdneau is gated and locked. The lock combination has been provided to the Forest Service, Logan City Fire Department, the Cache County Fire Department, Utah Power, and the Cache County Sheriff's Department in addition to the homeowners in Beirdneau.

Access to the summer homes in both areas is on narrow, dirt, and one-lane dead-end roads with limited turnarounds. Winter access may be hampered by snow.

The Forest Service maintains a locked gate near the top of the left hand road in Beirdneau that provides access to the water system for Malibu-Guinavah as well as Beirdneau and Valhalla. No summer homes are located beyond the USFS gate.

B. Roads and Signs in Beirdneau and Valhalla

- i. No road signs are present in Beirdneau or Valhalla. A wooden sign on State Highway 89 marks the area entrances.
- ii. The road into Beirdneau branches at 3 points. The left hand 'main road' heads uphill. The first right hand road is the lower fork. The second right hand road is the middle fork. The third forks off to the upper fork. Continuing uphill on the 'main road' at this point puts one at the USFS locked gate and beyond that, this road is referred to as the upper road. An area road map is found in the Appendix. The road to Valhalla is clear and direct.
- iii. 100 % of the roads are dirt.
- iv. 100 % of the roads are one-lane roads that are narrow, winding, and/or steep in spots.
- v. None of the roads are loop roads.
- vi. All are dead-end roads with limited turnaround space at the end of the road for emergency equipment (based on turning radius listed in front of this section.)

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C. Driveways and House Numbers in Beirdneau and Valhalla

- i. House numbers that are posted on the homes in Beirdneau and Valhalla do not all have firewise characteristics (i.e. they are not, in general, made of fire-resistant, reflective materials, and they are not easily seen from one of the main roads). From the main road there are no signs that show in which direction one must go to reach a home posted with a particular number. Such a sign, made of fire-resistant, reflective materials, would aid drivers of emergency vehicles.

D. Structures

- i. All are of wood-frame construction.
- ii. Some have wood decks or porches.
- iii. Some have wood shake or shingle roofs.
- iv. Some are visible from the main road.

E. Bridges, Gates, Culverts, other

- i. All bridges support emergency equipment.
- ii. The entrance gate provides access to emergency equipment only with knowledge of the combination.
- iii. All culverts are easily crossed by emergency equipment.

F. Utilities

- i. **Telephone service** is above ground.

Provided by: Quest Telephone number: 800-879-4357

- ii. **Electrical service** is above ground.

Provided by: Utah Power Telephone number: 888-221-7070

- iii. **Heating and cooking fuels** used inside and outside the homes:

Three homes use propane or diesel oil.

Three of those propane tanks are above ground. They are at cabin #s 1,4 and 6.

None are marked with a flag or by other highly visible means.

No homes use natural gas. Natural gas is not available in Logan Canyon.

Twelve of the homes have wood-burning fireplaces and two have outside campfire circles.

Some homes have wood-burning stoves for heating and/or cooking.

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iv.. Primary water sources

100% of homes use a central water system.

The Association's President and Water Master is Paul Puzey. Telephone: 801-825-9167

Other potential water sources are the Logan River which runs beside Valhalla and the perennial brook that runs through Beirdneau.

No homes use individual wells.

Water provided by: Logan City Telephone number: 435-716-9620

Water flows to Beirdneau/Valhalla by gravity from a tank above the summer home site and is piped to all the homes in Beirdneau as well as Valhalla. The water supply is Logan City water that is pumped from Dewitt Spring to the tank. Because the water is not designed for winter-use, the Beirdneau/Valhalla Water Master and USFS personnel shut off the water supply from about the end of September to mid-May. Consequently, water to fight fires in Beirdneau/Valhalla is not readily available to homeowners during most of the year. The perennial brook as well as Logan River can provide water for firefighting.

PART II: BEIRDNEAU/VALHALLA PRESCRIPTION

1. Goals of the Beirdneau/Valhalla Wildfire Plan

- A. Beirdneau/Valhalla will decrease fuels to reduce wildfire intensity and impact in and around the site.
- B. Beirdneau/Valhalla will evaluate, upgrade and maintain its wildfire preparation and response facilities and equipment.
- C. Beirdneau/Valhalla will help educate association members to prepare for and respond to wildfire.
- D. Beirdneau/Valhalla will develop and implement a comprehensive emergency response plan.
- E. Beirdneau/Valhalla will actively address identified regulative issues impacting its wildfire prevention and response needs.
- F. Beirdneau/Valhalla will regularly evaluate, update and maintain planning commitments.
- G. Beirdneau/Valhalla will seek grants and other funding sources to support and sustain the plan's projects.

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2. Identification of Actions

Goal A: Beirdneau/Valhalla will decrease fuels to reduce wildfire impact in and around the community.

Action 1: The Fire Committee will implement fuel modification projects.

- Conduct an educational campaign for summer home owners by providing information at association meetings, making brochures and videos available, and risk assessments of homesites by fire experts.
- Encourage homeowners to maintain a defensible space around cabins
- Organize clean-up projects that will make available chipping and hauling services.
- Work with the Logan Ranger District of the Wasatch-Cache National Forest to stress in its annual inspection report of each cabin, defensive measures that homeowners must and/or should take to minimize fire danger in Beirdneau/Valhalla.
- Organize projects to eradicate noxious weeds that contribute to the fuel load within Beirdneau/Valhalla.
- Work with Utah Power, Qwest, Logan Ranger District and Cache County Fire Department to identify and carry out needed tree trimming around utility lines.

Action 2: The Beirdneau/Valhalla Fire Council will work with fire experts to develop and implement a fuel break plan on forestland in and around Beirdneau/Valhalla that is not part of a developed summer home site. (The forestland specified here includes land in Beirdneau/Valhalla that is along roadsides, that is not part of developed homesites, and/or that is bordering the perimeter of Beirdneau/Valhalla.)

- Meet with the Fire Management Officer of the Logan Ranger District and the Cache County Fire Chief to identify at-risk areas, to develop a fuel reduction plan, and to implement the plan.

Goal B: Beirdneau/Valhalla will evaluate, upgrade and maintain wildfire response facilities and equipment.

Action 1: Identify road access problems and implement improvements.

- Solve problems related to gate access, road clearance, road design, and maintenance with the help of the Logan Ranger Districts' FMD and the Cache County Fire Chief.

Action 2: Install road signs in Beirdneau/Valhalla to inform and direct emergency response teams.

- Consideration shall be given to costs, effectiveness and permit stipulations in the design of nonflammable road signs.

Action 3: Encourage homeowners to use nonflammable, highly visible cabin numbers to identify the homes for emergency fire fighting teams.

Action 4: Encourage homeowners to mark above-ground propane and/or diesel tanks.

- Research an efficient, uniform marker system.

Goal C: Beirdneau/Valhalla will help educate the association members to prepare and respond to wildfire.

Action 1: Research available reference materials as to cost and pertinence of information.

- Contact the Cache County Chapter of the American Red Cross, the Logan City Fire Department, the Fire and Sheriff's Departments of Cache County, the Utah Division of Forestry, Fire and State Lands, Federal Government Agencies that deal with fire issues, and Utah Living With Fire.

Action 2: Attend the Beirdneau/Valhalla Association's meetings to seek input and to answer questions.

Action 3: Attend the Beirdneau/Valhalla Association meetings to distribute defensible space and fire preparedness information to homeowners.

Action 4: Encourage homeowners to educate their visitors regarding fire-wise behaviors and fire emergency plans.

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Goal D: Beirdneau/Valhalla will develop and implement a comprehensive emergency response plan.

Action 1: Provide maps to Emergency Response Teams.

- Locate, update, and copy maps.
- Identify map needs of response teams.
- Update the maps as needed.

Action 2: Develop an emergency notification system.

- Identify the methods for notifying 911, the fire departments, and the Forest Service, given the phone and cell phone problems in Beirdneau/Valhalla.
- Investigate systems such as signs, radio, and a Beirdneau/Valhalla bulletin board.
- Implement the best systems.

Action 3: Develop an emergency evacuation plan.

- Consult with emergency services agencies at the county, state, and federal levels to assist with a plan.
- Conduct drills of plan on an annual basis.

Goal E: Beirdneau/Valhalla will address regulative issues impacting wildfire prevention and response needs.

Action 1: Identify rules that impact wildfire safety and make recommendations for improvement.

- Contact homeowners, the Logan Ranger District of the Wasatch-Cache National Forest, the Cache County Sheriff's Department, and the Cache County Fire Department regarding current government obstacles to safety issues.

Goal F: Beirdneau/Valhalla will regularly evaluate and update the Beirdneau/Valhalla Wildfire Plan.

Action 1: The Beirdneau/Valhalla Wildfire Council will evaluate, revise, and update the plan on an annual basis.

Action 2: The Beirdneau/Valhalla Wildfire Council will work with the Logan Ranger District of the Wasatch-Cache National Forest and with the Beirdneau/Valhalla Association to encourage compliance with safety issues and fuel reduction measures in Beirdneau/Valhalla.

Goal G: Beirdneau/Valhalla will seek grants and other funding sources to support and sustain its projects.

Action 1: The Beirdneau/Valhalla Wildfire Council will organize a funding committee for this purpose.

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3. Identification of Responsible Parties, Resources and Priorities for Meeting Goals of Beirdneau/Valhalla Wildfire Plan

Goal	Action	Resources	Responsible Party	Priority
A. Fuel Reduction	1. The Fire Committee will implement fuel modification projects.	<ul style="list-style-type: none"> • www.Firewise.org • Forestry, Fire & State Lands Fire Mgmt Officer • Logan Ranger District FMO • Cache County Fire Chief • Utah Living With Fire • Logan City Fire Dept. • Cache County Ag. Ext. • Utah Power • Qwest • Homeowners 	P. Leonard S. Thorne-Brown	High
	2. Work with fire experts to develop and implement a fuel break plan.	<ul style="list-style-type: none"> • Logan Ranger District FMO • Cache County Fire Chief • Logan City Fire Dept. 	P. Leonard	High
B. Facilities and Equipment	1. Identify road access problems and implement improvements.	<ul style="list-style-type: none"> • Logan Ranger District FMO • Cache County Fire Chief 	Facilities & Equipment Comm.	High
	2. Install Road Signs	<ul style="list-style-type: none"> • Logan Ranger District FMO 	Facilities & Equipment Comm.	
	3. Encourage homeowners to use nonflammable, highly visible numbers to identify their homes.	<ul style="list-style-type: none"> • Logan Ranger District FMO • Beirdneau/Valhalla Association 	S. Thorne-Brown	
	4. Encourage homeowners to mark above-ground fuel tanks.	<ul style="list-style-type: none"> • Logan Ranger District FMO • Utah Division of Forestry, Fire and State Lands • Beirdneau/Valhalla Association 	S. Thorne-Brown	
C. Education	1. Research available information	<ul style="list-style-type: none"> • Red Cross • Federal/state/local agencies • Utah Living With Fire • Firewise Communities 	S. Thorne-Brown	High
	2. Attend Beirdneau/Valhalla Association meetings to seek input	<ul style="list-style-type: none"> • Beirdneau/Valhalla Association 	S. Thorne-Brown	

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	<p>3. Distribute wildfire information</p> <p>4. Encourage homeowners to educate their visitors about firewise practices</p>	<ul style="list-style-type: none"> • Beirdneau/Valhalla Associoaion <p>Beirdneau/Valhalla Association</p>	<p>S. Thorne-Brown</p> <p>S. Thorne-Brown</p>	
D. Emergency Response Plan	<p>1. Provide maps to emergency response teams</p> <p>2. Develop an emergency notification system</p> <p>3. Develop an emergency evacuation plan</p>	<ul style="list-style-type: none"> • Cache County Sheriff's Dept. • Logan City Fire Dept. • Cache County Fire Dist. • Logan Ranger District FMO • Firewise • Utah Living With Fire • Cache County Chapter of the American Red Cross • Utah CEMA • Cache Co. Sheriff's Dept. • Cache County Chapter of the American Red Cross 	<p>Emergency Planning Committee</p> <p>Emergency Planning Committee</p> <p>Emergency Planning Committee</p>	High
E. Regulative Issues	<p>1. Identify rules that impact wildfire safety and make recommendations for improvement.</p>	<ul style="list-style-type: none"> • Beirdneau/Valhalla Association • Utah Division of Forestry, Fire and State Lands • Logan Ranger District FMO • Cache Co. Sheriff's Dept. • Cache Co. Fire Chief • Logan City Fire Dept. 	<p>P. Puzey</p>	
F. Evaluate, Update, and Maintain Plan	<p>1. Evaluate wildfire plan on an annual basis</p> <p>2. Work with Logan Ranger District on compliance and safety issues.</p>	<ul style="list-style-type: none"> • Beirdneau/Valhalla Association • Fire partners to plan <p>Beirdneau/Valhalla Association Logan Ranger District FMO</p>	<p>P. Puzey</p> <p>P. Puzey</p>	
G. Seek grants and other funding sources	<p>1. Funding Committee to be organized</p>	<ul style="list-style-type: none"> • Wildfire Council • Logan Ranger District FMO • Utah Division of Forestry, Fire and State Lands 	<p>J. Berry</p>	

PART III: RESOURCES

Informational Materials

General Fire Prevention

- “Are You Living in the Red?” pamphlet (Utah Fire Assessment Project: Bureau of Land Management et.al.)
- “How to Protect Your Home: It Could Happen to You” (USDA Forest Service)
- “How to Reduce Wildfire Risk” Tree City USA Bulletin (The National Arbor Day Foundation)
- “Living With Fire” video and pamphlet (Utah Living With Fire)
- “Protect Your Hide-away Home” pamphlet (Utah Department of Natural Resources)
- “Protecting Residences from Wildfire” (USDA Forest Service)
- “Protecting Your Home Against Wildfire” video (National Wildfire Coordinating Group)

Landscaping/Building

- “Firewise Plants for Utah Landscapes” Utah Forest Facts newsletter (Utah State University Extension)
- “How to Landscape for Safer Hillside Living” pamphlet (Los Angeles City Fire Department)

Community Planning

- “Community Involvement in Fire Prevention” (Fire Management Notes Vol. 42)
- “Community Planning: An Introduction to the Comprehensive Plan” (Kelly, Becker; Island Press)
- “County Land Use Planning: How Can Planners Help the Fire Services in Protecting Homes from Wildfire” (USDA Forest Service, General Technical Report INT 251)
- “Development Strategies in the Wildland/Urban Interface” (Western Fire Chiefs Association)
- “The Greenbelt Concept: Safeguarding Your Community with Planning Buffer Zones” (American Fire Journal)

Evacuation Planning

- “Fire Alert, Warning and Evacuation” guidance document (Utah Div. of Emergency Services & Homeland Security)

Websites

- FireWise Home Page -- <http://www.firewise.org>
- Forest Service Fire Management Website -- <http://www.fs.fed.us/r3/sfe/fire/index.html>
- Insurance Services Office (town fire ratings) -- <http://www.isomitigation.com/>
- National Fire Protection Association -- <http://www.nfpa.org>
- National Interagency Fire Ctr, Wildland Fire Prevention/Education – <http://www.nifc.gov/preved/rams.html>
- U.S. Department of Agriculture “How to Get Information” (contacts) – <http://www.usda.gov/news/howto/nre.htm>
- Utah BLM Fire Management Website – <http://www.ut.blm.gov/fire/Assessment/assessment.html>
- Utah Twenty-First Century Communities Program - <http://utahreach.usu.edu/comm21/index.htm>

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PART IV: TECHNICAL ASSESSMENTS

A. Community Description

1. Physical Description

a. Area

Legal description:

T12N, R2E, Sec. 23

USGS Map Quadrangle (optional):

VOR RAD distance (optional):

b. Topography and Vegetation

Slope 10

Average 0 % Range 30 % to _____ %

Aspect (predominate) south (Cardinal direction)

Describe the vegetation in the area:

Juniper and sagebrush on dryer slopes, boxelder, chokecherry, elderberry and bigtooth maple predominant around cabins.

c. Water Supply

Ponds / Creeks / other natural water sources:

Type: Pond / Creek	Location / GPS Coordinates	Status: Permanent / Intermittent	Helicopter Access?	Pump Required?	# Gallons or CFS*
Logan River	Logan Canyon along Highway 89	Perm	Yes	Yes	800 cfs
Perennial stream	Begins at a spring above site, flows beside many of the cabins, and then joins Logan River.on the south side of Hwy. 89	Perm	No	Yes	?

** Ponds: measure 1000's of gallons; Creeks: measure in cfs during fire season*

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Hydrants:

<u>Location</u>	<u>Type:</u> <u>Dry / Pressurize</u>	<u>Data:</u> <u>*TP&S</u>	<u>GPM (max.)</u> <u>Output</u>	<u>Comments</u>
N/A				

** Thread Pressure and Size*

Water Tanks / Other available water storage: (underground cisterns, swimming pools, etc.)

<u>Location</u>	<u>Access</u>	<u># of gallons*</u>	<u>Responsible</u> <u>Entity</u>	<u>Phone / E-mail</u>
Water storage tank for Guinavah/Malibu Campgrounds and Beirdneau/Valhalla. northwest of homesite in the meadow.	road	10,000	USFS	435-755-3620

** measure 1000's of gallons*

d. Emergency Services / Equipment Capabilities

Describe the types of emergency services and equipment available from local, county, state and federal resources.

911 Services:	Cache County Dispatch Center
Local:	Logan City Fire Department structure and ambulance service along with Logan Police Dept.
County:	Cache County Fire District structure and wildland fire engines along with Sheriff's Dept.
State:	County Firewarden
Federal:	One Type II wildland engine

2. Hazard Evaluation

a. Area Fire History

<u>Month/Year of fire</u>	<u>Ignition point</u>	<u>Ignition source</u>	<u>Acres burned</u>
Nov. 2001	Structure	Fireplace	None
Last 10 years	5 fires along Hwy. 89	Human caused	Less than 1 acre
Last 10 years	1 fire along Hwy. 89	Lightning	Less than 1 acre

b. Subdivision rating

The subdivision is rated (low / moderate / high / severe / extreme) for wildfire hazard. (See Appendix.)

Utah Community Fire Planning

c. Property / Structure Rating

All lots will be rated for wildfire hazard, as arranged by the Fire Council with fire officials and as permitted by the owners. The estimated time of completion for all ratings is December 31, 2005.

d. Expected Fire Behavior

Fire behavior would consist of creeping and smoldering in the duff layer. Some localized torching could occur under extreme burning conditions.

To be filled out onsite.

INSTRUCTIONS

B. Community Prescription

Based on the information collected, provide recommendations for action under each of the following categories. Fuel modification project plans should include recommendations for ongoing maintenance. **Attach project worksheets for each project, and similar documentation for other goals.**

1. Fuel Modification Projects

<u>Project(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>

2. Infrastructure Improvements (Utilities, Water Developments, Equipment Acquisition / Repair, etc.)

<u>Project(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>

3. Education

Utah Community Fire Planning

<u>Goal(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>

4. Wildfire Response / Pre-Attack Plan

A Pre-Attack Plan should be in place, with a detailed description attached. It should address the following:

- Emergency notification procedures
- Fire protection responsibilities among agencies
(private, state, federal lands; response times)
- Command responsibilities
- Pre-determined locations for...
 - Command Post
 - Staging Areas
 - Safety Zones
 - Helibase / Helispots

- Factors in determining evacuation vs. shelter-in-place
- Traffic Control
- Briefing of personnel on safety and hazards
- Determining Operational Mode
- Determining resource needs
(aircraft, mechanized, hand crews, water /
chemical delivery systems)
- Determining assignments
(reconnaissance, medical suppression, rehab)

<u>Goal(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>

5. Monitoring and Evaluation

<u>Goal(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>

APPENDIX

– Contact Lists

Utah Division of Forestry, Fire and State Lands
USDA Forest Service Districts
Utah Resource & Development Councils
Emergency Management/Fire Agencies
Utah Associations of Government
American Red Cross
Other Planning/Training Resources
Emergency Call-Down List

– Summerhome Site Map

– Assessments / Worksheets

Defensible Space Assessment Worksheets
Wildfire Hazard Rating Form
Wildland Urban Interface Project Sheet (funding)

– Checklists / Homeowner Information
(In Wildfire Defense Library/Tub)

Fire Disaster Potential Checklist for Homeowners
Landscaping and Defensible Space Checklist
Fire Resistant Plants
Emergency Response checklist

Utah Community Fire Planning

AGENCY CONTACT INFORMATION

Utah Department of Natural Resources
Division of Forestry, Fire and State Lands
(updated July 2003)

Bear River Area Office

Craig Pettigrew, Area Manager
Kelly Allen, WUI Coordinator

1780 N. Research Parkway, Ste 104
N. Logan, UT 84341-1940
(435) 752-8701

Wasatch Front Area Office

Barbara Gardner, Area Manager
Keith Crumpton, Acting FMO

1594 W. North Temple, Ste 3520
Salt Lake City, UT 84116
(801) 538-5555

Southwestern Area Office

Ron Wilson, Area Manager
Larry LeForte, FMO

585 North Main
Cedar City, UT 84720-2643
(435) 586-4408

Northeastern Area Office

Dale Jablonski, Area Manager
*Nate Robinson, Acting FMO**

152 East 100 North
Vernal, UT 84078-2126
(435) 781-5463

Central Area Office

Mike Melton, FMO

115 East 900 North
Richfield, UT 84701-1847
(435) 896-5697

Southeastern Area Office

Gary Cornell, Area Manager
James Moutella, WUI Coordinator

1165 S. Highway 191, Suite 6
Moab, UT 84532-3002
(435) 259-3766

* FMO = Fire Management Officer

Utah Resource & Development Councils

Bear River RC&D

1860 N. 100 East
No. Logan, UT 84341
(435) 753-3871

Utah Associations of Government (AOG)

Bear River AOG

170 N. Main
Logan, UT 84321
(435) 752-7242

Utah Community Fire Planning

Other Planning / Training Resources

Community Solutions, Inc.
Kathy Hammons, Janet Johnson
386 East 600 North
Midway, UT 84049
(435) 657-0668

Utah Rural Development Council
351 W. Center Street, Admin 304D
Cedar City, UT 84720
(435) 586-7852

Wasatch Front Regional Council
420 W. 1500 S., Ste 200
Bountiful, UT 84010
(801) 292-4469

American Red Cross

Cache County Chapter
1115 North 200 East, Ste 140
Logan, UT 84341
(435) 752-1125

Emergency Management / Fire Agencies

Federal Emergency Mgmt Agency
Denver Federal Center
Building 710, Box 25267
Denver, CO 80225-0267
(303) 235-4800

**Utah Comprehensive
Emergency Management**
Rm. 1110, State Office Bldg.
Salt Lake City, UT 84114
(801) 538-3400

Utah State Fire Marshal
5272 S. College Dr., Ste 302
Murray, UT 84123-2611
(801) 284-6350

**State of Utah
County Emergency Management Coordinators**

Cache County
Daron Henrie
(435) 750-7406

Utah Soil Conservation Districts

Blacksmith Fork Soil Cons. District
1835 West 3200 South
Logan, UT 84321
(435) 752-7573

Utah Community Fire Planning

Utah Department of Natural Resources

Divisions other than Forestry, Fire and State Lands

Division of Wildlife Resources

1594 W. North Temple
Salt Lake City, UT 84116
(801) 538-4700

Regional Office – Ogden
(801) 476-2740

Division of Water Rights

1594 W. No. Temple, Ste 220
Salt Lake City, UT 84116
(801) 538-7240

Regional Office – Logan
(435) 752-8755

Division of Parks & Recreation

1594 W. No. Temple, Ste 116
Salt Lake City, UT 84116
(801) 538-7220

Northeast Region
(435) 649-9109

Division of Oil, Gas & Mining

1594 W. No. Temple, Ste 1210
Salt Lake City, UT 84116
(801) 538-5340

Division of Water Resources

1594 W. No. Temple, Ste 310
Salt Lake City, UT 84116
(801) 538-7230

Utah Geological Survey

1594 W. No. Temple, Ste 3110
Salt Lake City, UT 84116
(801) 538-3300

U.S. Department of Agriculture
Forest Service – Utah Offices

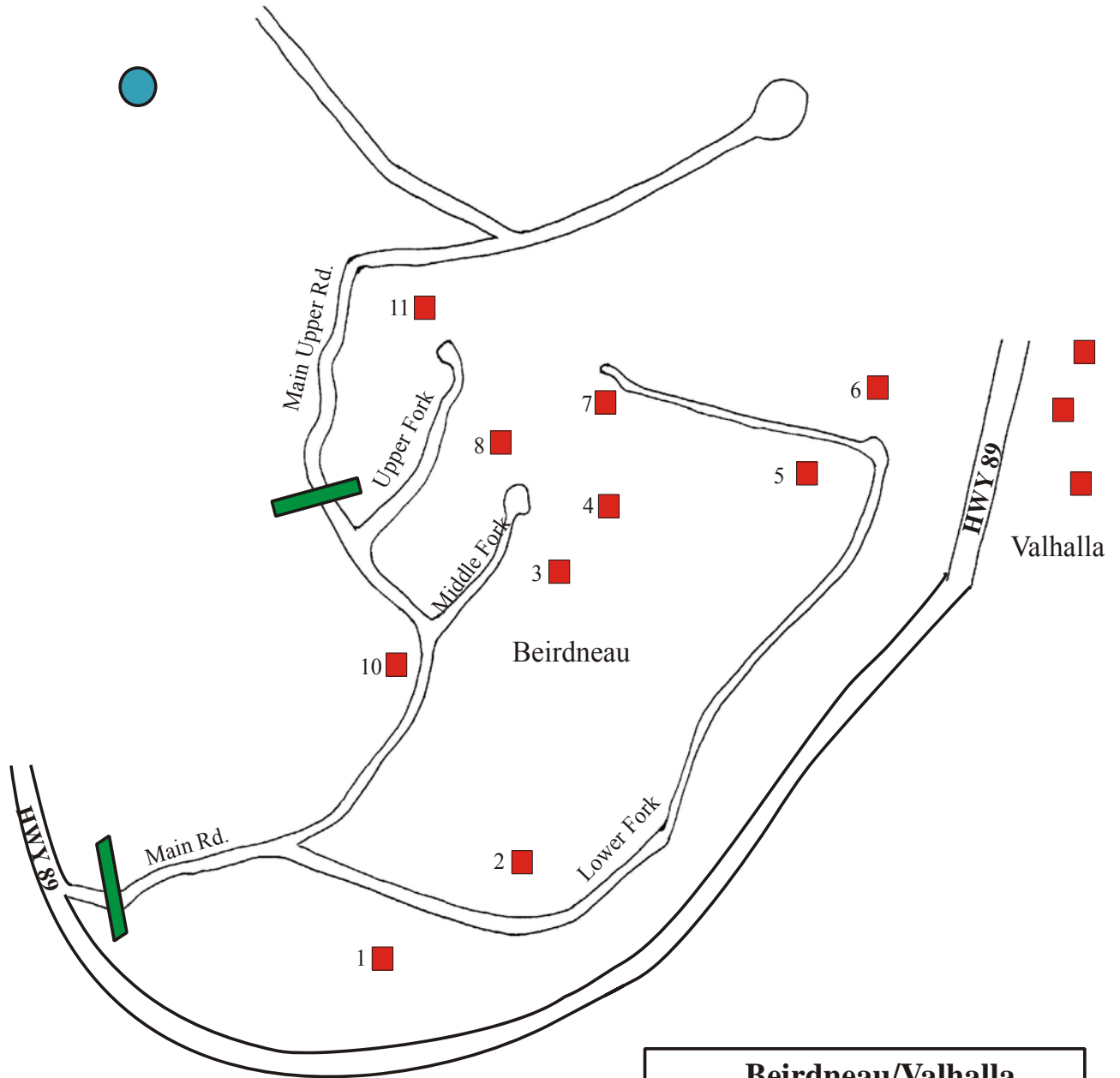
Intermountain Regional Office

Federal Building
324 25th Street
Ogden, UT 84401
(801) 625-5306





Wasatch-Cache


National Forest
8236 Federal Building
125 South State Street
Salt Lake City, UT 84138
(801) 524-3900

Utah Community Fire Planning



**Beirdneau/Valhalla
Summerhome Sites**

-  Cabin
-  Gate
-  Road
-  Water Tank



(Scale and directional arrows are approximations.)

Appendix C

Beirdnew Summer Home sites



WILDFIRE HAZARD RATING FACTORS

<u>Rating Points</u>	<u>Slope</u>	<u>Aspect</u>	<u>Topography</u>	<u>Response Time</u>	<u>Fuel Type</u>	<u>Density</u>
1	< 10%	North	Valley Bottom	< 15 Minutes	Hardwoods	20%
2	20%	East	Low on Slope	30 Minutes	Grass/Sage	40%
3	30%	Flat	Mid Slope	45 Minutes	Pin./Juniper	60%
4	45%	South	Ridge top	60 Minutes	Mtn. Brush	80%
5	> 60%	West	Canyon/Draw	> 60 Minutes	Conifer	100%

TOTAL SCORE = 12 = moderate

RATING INDEX

6 to 12 points = **MODERATE**

13 to 19 points = **HIGH**

20 to 30 points = **EXTREME**

Utah Community Fire Planning

UTAH DIVISION OF FORESTRY, FIRE & STATE LANDS WILDFIRE HAZARD LOT ASSESSMENT

Subdivision Name: <u>Begonia</u>		Lot Number: <u>11</u>	
Name of Lot Owner: <u>Sandra Thorne Brown</u>		Year Round: <u>Y</u> <u>N</u>	
Owner Address: <u>1450 Juniper Hill Rd Poca ID</u>		Owner Phone: <u>208 24234 9970</u>	
UTM Easting: <u>83204</u>		Northing:	
Type of Assessment: <u>Initial</u>		Re-assess:	
Evaluator: <u>KJA</u>		Eval. Date: <u>5/25/05</u>	
Hazard: <u>Moderate (6-12)</u>		High (13-19)	
Extreme (20-30)			
Is Vegetation Clearance Required? <u>Y</u> <u>N</u>			
Is Pruning Required? <u>Y</u> <u>N</u>		If Yes, to what height? <u>5-6 ft</u>	
Is There an Accumulation of Dead Fuel? <u>Y</u> <u>N</u>		Slash Disposal Needed? <u>Y</u> <u>N</u>	
Fire Hydrant / Water Source > 250 Feet? <u>Y</u> <u>N</u>		Type of Disposal: <u>Burn</u> <u>Chip</u>	
Lot size: Acres to be treated / not treated <u>.1</u>			
Are Roads Adequate? <u>Y</u> <u>N</u>		Are Bridges Adequate? <u>Y</u> <u>N</u>	
If No. List Limiting Factors:			
Locked Gates? <u>Y</u> <u>N</u>		<u>need to get combo to fire fighters</u>	
STRUCTURAL DESIGN			
Roof	Wood	Asphalt	<u>Metal</u>
			Tile
			Other
Closed in Floors Eaves Decks Closed		<u>Y</u> <u>N</u>	
Propane Tank?	<u>Y</u> <u>N</u>	Adequate Clearance for Fire Safety?	<u>Y</u> <u>N</u>
Phone Service?	<u>Y</u> <u>N</u>	Electric Service?	<u>Y</u> <u>N</u>

Not many are hooked up
STEP BY STEP PROCESS FROM LIVING WITH FIRE HANDOUT

1. Effective Defensible Space is clearing brush piles from around house
2. Dead Vegetation clean dead down fuels from around cabin to a distance of 35 feet
3. Continuous Dense Cover cut grass
4. Ladder Fuels limb trees to 5-10 ft above ground level
5. Clean, Green & Lean maintain green grass and shrubbery around house according to FS guidelines
6. Maintain & Review Annually Review annually & maintain as needed

Comments: _____

Participation: As the landowner/agent for the above described land parcel I wish to participate in the National Fire Plan fuels reduction program. I understand that this is a partnership with the Wildfire Agencies involved and I must commit in-kind resources such as financial backing and/or labor to match the government funds expended on this project. I also understand that this does not guaranty the survivability of the vegetation and improvements on this parcel in the event of a wildfire.

Refusal: As the landowner/agent for the above described land parcel, I / we **do not** wish to participate in the National Fire Plan fuels reduction program.

Signature of Landowner/Agent Sandra Thorne Brown