

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
WATER RESOURCES DIVISION
WATER RIGHTS BUREAU

ENVIRONMENTAL ASSESSMENT

PART I. PROPOSED ACTION DESCRIPTION

1. **Type of action:** WATER RIGHT PERMIT APPLICATION NO.
112450-41F
2. **Applicant/Contact name and address:**
Robert L. & Karen L. Furu
1145 S. Cedarview
Bozeman, Mt. 59715
3. **Water source name:** Well
4. **Location affected by action:** SESWNESW Sec 17 T12S R05E, Gallatin County.
5. **Narrative summary of the proposed project and action to be taken:** This application is to appropriate groundwater within the Yellowstone Controlled Groundwater Area. The applicant proposes to pump 15 gpm up to 2 acre foot for Domestic and Lawn & garden use from January 1 to December 31 . The water will be used on Lot 9, Block 4 Beartrap Subd. # 2..
6. **Agencies consulted during preparation of the environmental assessment:**
National Park Service

PART II. ENVIRONMENTAL REVIEW

1. Environmental Impact Checklist:

PHYSICAL ENVIRONMENT

Soils/Geologic Features:

Degradation of soil quality or alteration of soil stability, moisture content, geologic substructure, unique geologic features, archeological sites?

NO

Erosion:

Alteration of erosion or siltation patterns which modify stream beds or lake shores?

NO

Vegetation/Noxious weeds:

Change in or adverse affect on diversity and production of local plant species including any unique or endangered species (including trees, shrubs, grass, and aquatic plants)? Establishment or spread of noxious weeds?

NO

Air:

Deterioration of air quality, or adverse effects on vegetation due to increased air pollutants.

NO

Water:

Alteration of surface water or groundwater quality including but not limited to temperature, dissolved oxygen or turbidity or quantity or distribution?

Yes, An additional 15 GPM, up to 2.0 acre/feet will be removed from this aquifer.

Floodplain:

Changes in drainage patterns, course or magnitude of flood flows, or exposure of people/property to hazards (flood)?

NO

Wildlife Habitat/Migration:

Deterioration of critical fish or wildlife habitat? Creation of a barrier to the migration or movement of fish or wildlife?

Yes, This subdivision is located in elk & bison winter range. Migration may be impeded as more homes are constructed.

Endangered Species:

Adverse effects on any unique or endangered species?

Yes, This subdivision is located in an area where grizzly bears and lynx may be found.

HUMAN ENVIRONMENT

Existing Land Use:

Alteration of or interference with the productivity or profitability of the existing land use of an area?

Yes, A new home will replace the existing open space. This is an approved subdivision.

Historical Significance:

Destruction or alteration of a natural area of scientific or educational value or prehistoric or paleontological importance?

NO

Populace:

Alteration of the location, distribution, density, or growth rate of the human population of an area? Alteration of social structure of community?

Yes, This new house will disperse some of the existing, or new population. No known change in the social structure.

Transportation:

Increased traffic hazards or effects on existing transportation facilities or patterns of movement of people and goods?

Yes, Additional increase of traffic may increase hazards.

Safety:

Creation of any health hazard or affect on existing emergency response or evacuation plans?

NO

Public Services:

Have an effect upon or result in a need for new or altered governmental services in any of the following areas: fire or police protection, schools, parks/recreational facilities, roads or other public maintenance, water supply, sewer or septic systems, solid waste disposal, health, or other governmental services? Have an effect upon local or state tax base?

Yes, This new house will add additional demands on governmental services.

Utilities:

Creates need for new or altered facilities for any of the following utilities: electric power, natural gas, other fuel supply or distribution systems, or communications?

Yes, A new house will require new utility demands.

Aesthetics:

Alteration of any scenic vista or recreation opportunity or creation of an aesthetically offensive site to the public?

Yes, This new house may be offensive to some people.

Other:

NO

2. **Secondary and cumulative impacts: NONE**
3. **Reasonable alternatives to the proposed action, including the no action alternative . No impacts have been identified. If a permit is not issued, the applicant will not be legally able to use water from the intended source of supply.**

PART III. CONCLUSION

Based on the significance criteria evaluated in this EA, is an EIS required? NO

If an EIS is not required, explain why the EA is the appropriate level of analysis for this proposed action:

AN EA IS ADEQUATE FOR THIS ACTION. THERE WILL BE NO SIGNIFICANT IMPACTS, THEREFORE, NO EIS IS REQUIRED.

PREPARED BY:

NAME: Jan Mack

TITLE: Water Rights Specialist

DATE: [Automatic date code removed]