

MEMO

TO: File 34-7562

FROM: CPadilla

DATE: November 9, 2010

RE: Licensing Review Memo

Time Line:

Application for Permit Received: 11/16/92 (priority advanced to 11/14/94)

Permit Approved: 1/28/93

Proof of Beneficial Use Received: 5/17/94

Field Exam Conducted: 8/9/01

POU Overlap Analysis: There are no other rights for domestic use at the POU. SW right 34-4017 covers irrigation at the property and 34-7113 covers the ponds on the property. However, the field examiner reported that the system authorized under this permit is used for the irrigation of 2-3 acres. In order to maximum coeage under this permit, the Department should approve this license for ½ acre of irrigation for each dwelling associated with this license.

Please see that attached memo by SPF that was part of a transfer for 34-4017 (transfer #76234). It appears that back in the 1960's this was a "Fish Haven" campground. I suppose that this permit was meant to cover new development of the campground and maybe to cover the caretaker's residence referenced in the memo. I did not find a right that covered the fishing cabins, restroom facility and other outbuildings (maybe they did not have running water??). By the time the field exam took place, the campground was no longer there. What I can be sure of, is that the well is providing the home and two cabins with domestic water in addition to the bath house per the field exam.

Conditioning

Comment	Water Permit Condition Report 34-7562
There was only 2 dwellings found at field exam. Therefore, the condition will be modified to 071	The domestic use authorized under this right shall not exceed 13,000 gallons per day per dwelling in accordance with the provisions of Section 42-111, Idaho Code.
Update to 1 home, 2 cabins, and a bath house.	Domestic use is for 1 home and 60 mobile homes.
Doesn't carry to license	046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
Doesn't carry to license. Condition is inactive.	01C A flow measurement port or other device as specified by the Department shall be installed by the right holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
Only one PD was found at the field exam	Two points of diversion are located within NENW, S18, T07N, R24E.

PD Summary: One well was found at the field exam. There is not a well log on file with the department that I could find.

Tag #	Location	Rights that Use PD	Uses
NONE	NENW Sec 18 7N R24E	34-7562	Domestic

Volume and Diversion Rate: The field examiner recommended licensing this right with a volume of 2.4 af or 0.6 af per building. In addition, he recommended 0.1 cfs based on in-house use for 4 homes per the attached chart. In this case the homes included 2 cabins, a bath house, and a standard home. The field examiner did not include any volume for irrigation. Below in my figures, I include irrigation:

- 1 standard home with $\frac{1}{2}$ acre of irrigation =
 - 1.2 af
 - 0.04 cfs
- 2 cabins with $\frac{1}{2}$ acre of irrigation each=
 - 0.3 af per cabin for indoor use (for occupancy for $\frac{1}{2}$ the year)
 - 0.6 af per cabin for irrigation
 - 0.08 cfs (from chart for 3 homes)
- Bath house
 - 35 gallons to fill tub x 183 days or 0.02 af
 - 8 gpm or 0.02 cfs (see attachment for fixture requirements)

Total for volume is 3.0 afa

Total for rate is 0.10 cfs

Assumptions: There's no information regarding the number of tenants in the campground during any given year. Since no occupancy information is available, I assume that the cabins are at least occupied $\frac{1}{2}$ the year. In addition, I had to make some assumptions to reach volumetric and diversion figures for the bath house. I assumed that there is one fixture and one tub in the bath house.

Amendment Needed?: NO

PROPOSED TROUT HAVEN POND-WETLAND COMPLEX PROJECT

Mackay, Idaho

Background

Trout Haven occupies the site of a former RV trailer park and fishing camp developed adjacent to the Big Lost River beginning in the 1960's. A fish propagation facility with ponds and raceways was developed on-site to accommodate the park. The ponds and raceways are fed by several un-named springs which are tributary to the Big Lost River. During the development of the Trout Haven property, a large part of the proposed project site was impacted by a variety of fill and removal activities which have had an impact on the hydrology and vegetation of the area to varying degrees. Fill material was imported to create trailer pads and water and waste disposal systems were installed to service each trailer site. Numerous buildings occupied part of the project area including a caretaker's residence, several log structures, a large barn, several fishing cabins along the bank of the river, a common restroom facility, two well houses and several outbuildings. All of these structures have been removed with the exception of the old white barn. The underground infrastructure associated with these structures is still in place.

The existing fish propagation facility is functional, but has deteriorated significantly and is in need of repair. A small by-pass structure at the head of one inlet channel has been damaged by a downed cottonwood tree and is in need of repair; however, this particular by-pass structure could be eliminated and the riverbank repaired. The existing pond has accumulated silt over time to the point that it has become detrimental to fish survival. The remainder of the project area has been significantly impacted by a profusion of invasive noxious weeds.

Location

The project area is located at 4599 Highway 93, approximately 3 miles north of Mackay, Idaho within Sections 7 and 18, Township 7 North, Range 24 East, Boise Meridian, in Custer County.

Purpose of Project

The purpose of this project is to deepen and expand the size of the existing fish propagation pond which is significantly impacted by silt accumulation; reconstruct the existing dike and install a new outlet control structure; replace the existing culvert in the by-pass channel and add a new water control structure to the by-pass channel. Replace the damaged water control structure on the main inlet channel. Create a wetland bio-filter area to collect and filter incoming, spring-fed, channels; create a stream connecting the two existing ponds which will empty, via an existing channel, to the Big Lost River. Remove the existing infrastructure in the southeast corner of the project site previously used for trailer sites and restore the areas natural hydrology and vegetation. All of the pond, wetland and riparian areas will be planted to a variety of native sedges, rushes, grasses, riparian shrubs and trees.

Document received 1/8/2010

76234

This page is part of transfer application 76234 which is located at the same DOU of this permit.

RURAL AND DOMESTIC WATER USES

Residence – Rural:

Each person per day, for all purposes.....	60 gal.
Each horse, dry cow or beef animal per day.....	12 gal.
Each milking cow per day.....	35 gal.
Each hog per day.....	4 gal.
Each sheep per day	2 gal.
Each 100 chickens per day.....	6 gal.

Residence – Urban:

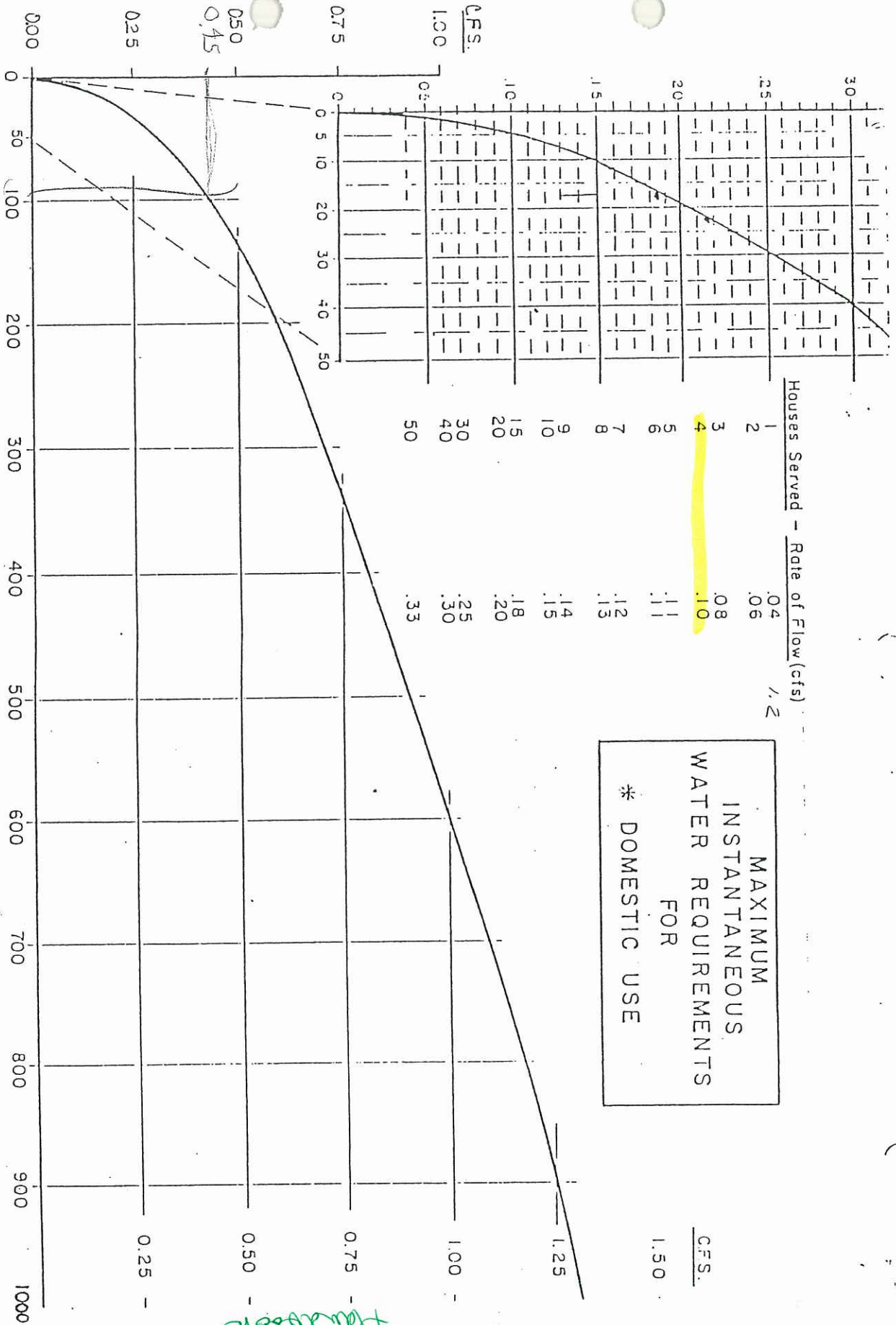
Drinking fountain, continuously flowing.....	50 to 100 gal. per day.
Each shower bath.....	25 to 60 gal.
To fill a bathtub.....	35 gal.
To flush toilet.....	3 to 7 gal.
To fill lavatory.....	1 to 2 gal.
Dish Washing Machine – per load.....	10 to 20 gal.
Automatic washer – per load.....	30 to 50 gal.

By Fixtures:

Shower.....	4 to 6 gpm
Bathtub.....	4 to 8 gpm
Toilet.....	4 to 5 gpm
Lavatory.....	1 to 4 gpm
Kitchen sink.....	2 to 5 gpm

MAXIMUM
INSTANTANEOUS
WATER REQUIREMENTS
FOR
* DOMESTIC USE

Houses Served - Rate of Flow (cfs)



Taken from
field experience
+ handbook