

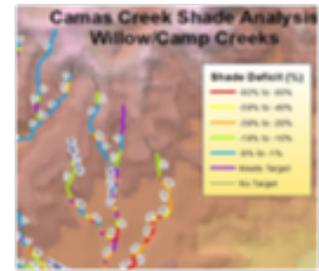
The

Camas
County,
Idaho



Special Shady Thinking Issue

Weekly Beaver!



Special Science Issue! Shady! ■ August 17, A.D. 2016: The Tooth, the Whole Tooth, and Nothing But the Tooth!!!



Life in the shade!
The future of cool.
Read. Think. Speak.

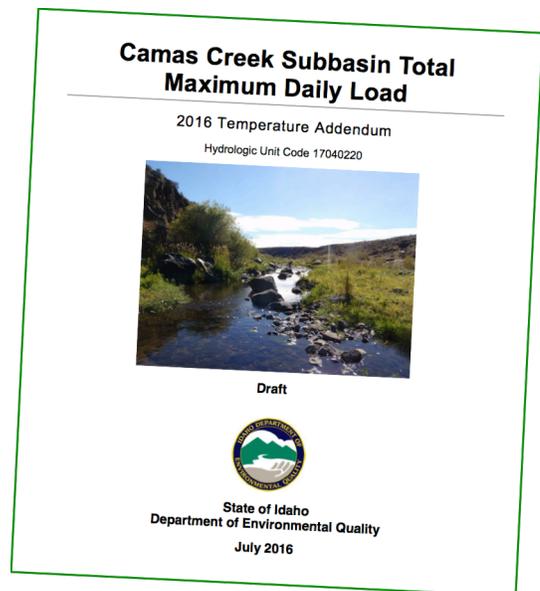
Looking north up Corral Creek from the old McCarter place.

Idaho DEQ asks us for comments, by August 29, on thermal pollution limits for Camas prairie streams! A 10-20 year plan to improve streamside shade?

Shade! Shade is good, right? Well, I don't want this to sound like a homework assignment. But yesterday, I did finish reading the Idaho DEQ's July draft study and thermal pollution limit proposal for streams in the Camas Creek watershed, and it's interesting and instructive stuff. The study is titled *Camas Creek Subbasin Total Maximum Daily Load, 2016 Temperature Addendum*, and it's easily available on the DEQ website. And DEQ also, on the website, provides a handy web-based input form so we can comment directly, from our mercifully shady readin' spots, on DEQ's proposed solar-gain thermal pollution limits for Camas streams. The report summarizes objective estimates and measurements of current streamside shade along Camas Prairie waterways and compares those measurements to shade conditions that we might expect to see for those areas if "PNV" (potential natural vegetation) conditions prevailed there. The result is an assessment of the respective "shade deficits" found on various stream segments in Camas County, which DEQ links to higher thermal loading of streams, resulting in degraded ability of those streams to support aquatic life.

Official *Weekly Beaver* cram notes for DEQ's Camas Prairie TMDL study

- **From the Executive Summary!** “The TMDL analysis establishes water quality targets and load capacities, estimates existing pollutant loads, and allocates responsibility for load reductions needed to return listed waters to a condition meeting water quality standards. It also identifies implementation strategies – including reasonable time frames, approach, responsible parties, and monitoring strategies – necessary to achieve load reductions and meet water quality standards.”
- **Target: PNV!** The study defines the acceptable shade condition as that afforded by “Potential Natural Vegetation” appropriate to that stream segment. “PNV shade and the associated solar loads are assumed to be the natural condition; thus stream temperatures under PNV conditions are assumed to be natural and are considered to be consistent with the Idaho water quality standards.”
- **The Streams Affected:** The study proposes to establish TMDLs to lower temperatures in Camas Creek, Camp Creek, Willow Creek, Beaver Creek, Soldier Creek, Corral Creek, and Wild Horse Creek.
- **Where did PNV go?** “Vegetation can be removed by disturbance either naturally (e.g., wildfire, disease/old age, wind damage, wildlife grazing) or anthropogenically (e.g., domestic livestock grazing, vegetation removal, erosion). Vegetation levels less than PNV (with the exception of natural levels of disturbance and age distribution) result in the stream heating up from anthropogenically created additional solar inputs.”
- **KWh!** The DEQ draft study quantifies thermal heating limits for streams and stream segments as “TMDL” (Total Maximum Daily Load), expressed in kilowatt-hours per square meter per day. I’ll be darned: KWh!
- **Water Rights!** The DEQ study is delicately respectful of agricultural uses that may affect stream temperatures: “Although these water temperature effects may occur, nothing in this TMDL supersedes any water appropriation in the affected watershed.”
- **Conservation Districts!** The study notes, “The State of Idaho uses a voluntary approach to address agricultural nonpoint sources.” Idaho’s Ag Plan (ISWCC 2015) “outlines responsible agencies or elected groups (soil conservation districts) that will take the lead if nonpoint source pollution problems need to be addressed. For agricultural activity, the Ag Plan assigns the local soil conservation districts to assist the landowner/operator with developing and implementing BMPs (best management practices) to abate nonpoint source pollution associated with the land use.”
- **The Feds!** The DEQ study notes that the federal Clean Air Act commands Idaho in this matter, to develop TMDLs for impaired waters listed in Idaho’s Integrated Report.



Above: the study's cover! 45 pages of narrative, with many tables and maps! **Below:** a dud image of the comment input form. Warning! Go to the DEQ website for one that actually works!

Draft Water Quality Improvement Plan for Camas Creek Subbasin Water Bodies

Accepting Comments from July 29, 2016 to August 29, 2016

DEQ is seeking public comment on proposed plans to address elevated temperatures in streams within the Camas Creek subbasin in south-central Idaho.

Temperature is a key factor in the health of fish and other coldwater organisms. Recent analyses of water quality data demonstrated that temperatures are above recommended levels in a number of streams in the Camas Creek subbasin due to a lack of shade.

The *Camas Creek Subbasin Total Maximum Daily Load: 2016 Temperature Addendum* proposes to establish total maximum daily loads (TMDLs) designed to lower temperatures in the following water bodies: Camas, Camp, Willow, Beaver, Soldier, Corral, and Wild Horse creeks.

Public Comment Form

Fields marked with * are required.

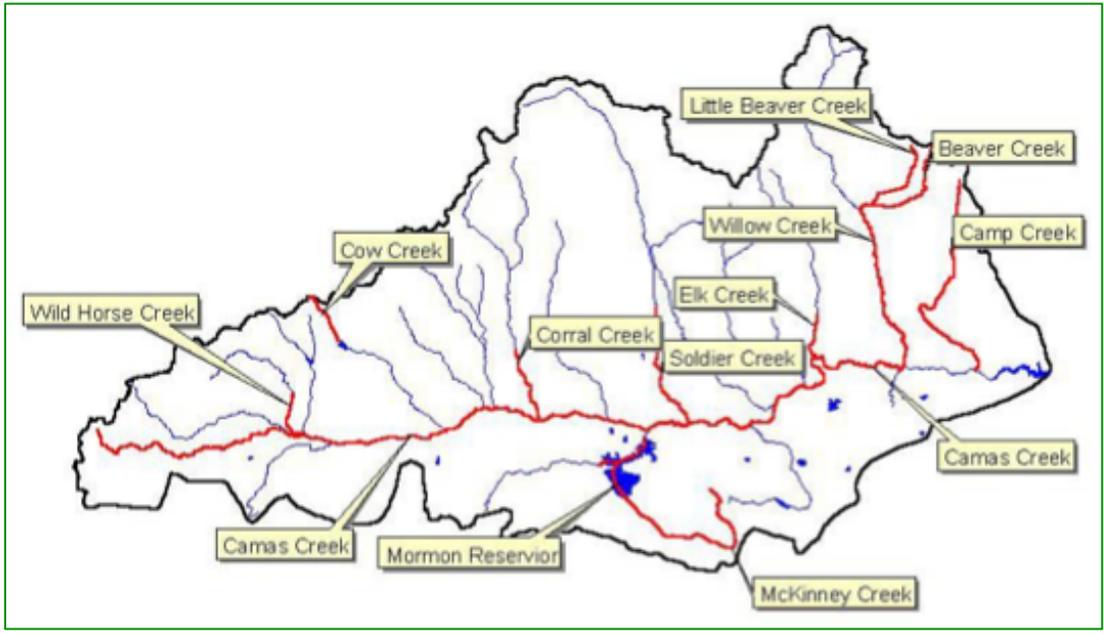
Name *

Email *

Affiliation

Comments *

Thank you

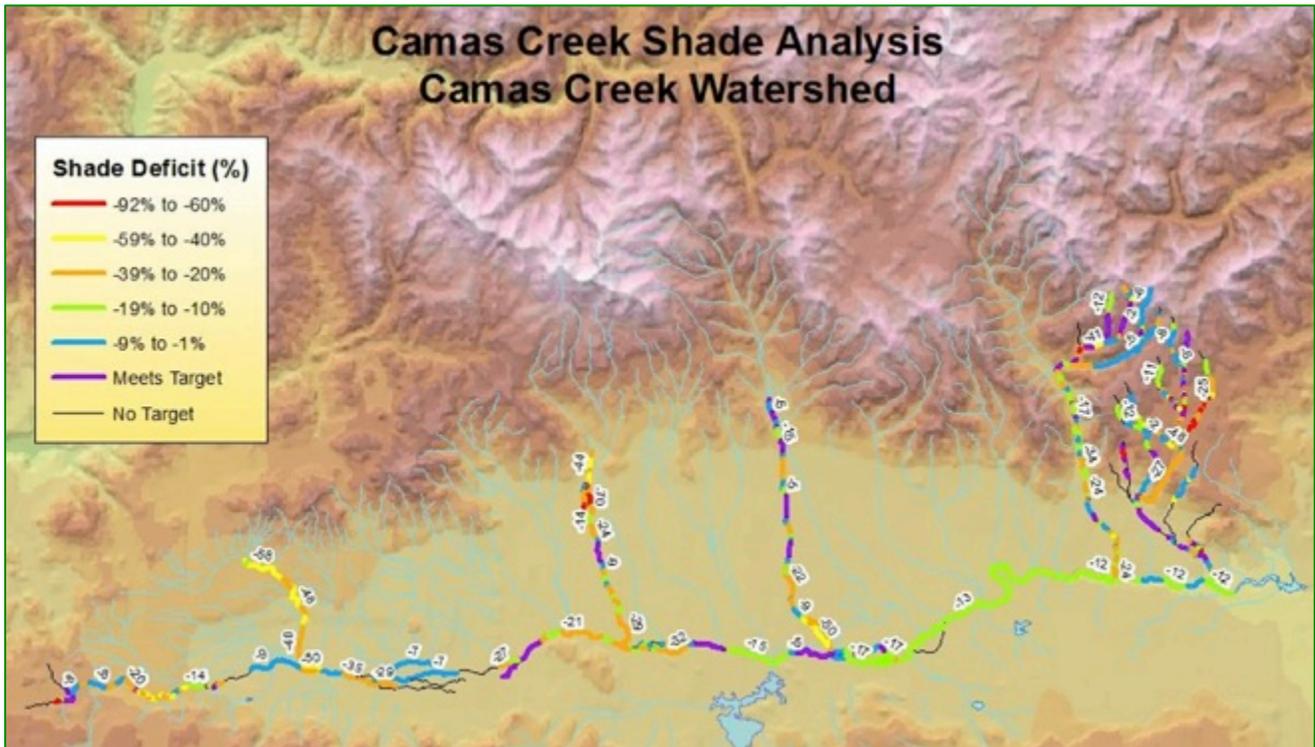


Provocative Study Extracts!

Left: from Figure 1, Camas Creek Subbasin, p. 3.

Below: from Figure 6, Shade Deficit for the Camas Creek Subbasin, p. 34.

Way below: website URLs for the study and comment form.



Comment input form: <http://www.deq.idaho.gov/news-public-comments-events/public-comment-opportunities/draft-water-quality-improvement-plan-for-camas-creek-subbasin-water-bodies/>

Study document: <http://www.deq.idaho.gov/media/60178813/camas-creek-subbasin-tmdl-temperature-addendum-2016-0716.pdf>.

Public comments may be forwarded to Mark Shumar, TMDL Program Coordinator, DEQ State Office Water Quality Division, 1410 N. Hilton, Boise, ID 83706 or at Email: mark.shumar@deq.idaho.gov.



Barley! Photo by Jeff Ralph!

“Thanks” from the Camas County Library Foundation!

From Connie Reagan: “The Camas Library Foundation Board of Directors would like to heartily thank the following businesses and individuals for donating things for the 2016 raffle held during the fair:

- T & L Cedar Lawn Furniture, Buhl
- Western States CAT, Twin Falls
- Coastline Equipment, Jerome
- Northwest Equipment, Twin Falls
- Forsgren Associates, Inc., Boise
- Burks Tractor, Twin Falls
- Agri-Service, Twin Falls
- Kathy Mennenga
- The Wrangler, Fairfield
- Soldier Creek Brewing Co., Fairfield
- Jim Dandy’s, Fairfield

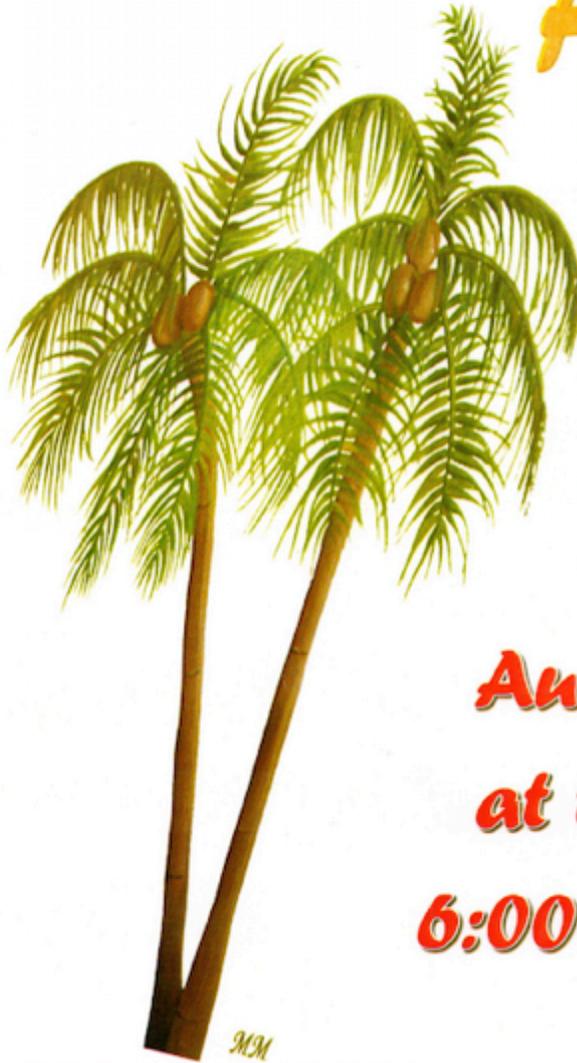
- Soldier Mountain Ski Area, Fairfield
- The Riverside Hotel, Boise, Kathy Fields Pidgeon, CEO
- Camas County Public Library
- Wes and Marypat Fields

The raffle and membership drive were successful because of the many loyal members and supporters of the library and the Foundation. The Foundation will be able to continue supporting the library with the purchase of needed things. A big “thanks” to everyone who bought raffle tickets, renewed or bought new memberships.” 🍷

Senior Center Lunch Schedule!!!

Friday it’ll be Roast Beef. Tuesday, it’s Pulled Pork!
Next Wednesday: Cooks Choice! And next Friday, it’s Meat Loaf (the entrée, not the musician), and Old Time Fiddlers (the musicians, not the entrée!). 🍷

ALOHA!



**Welcome to The
City of Fairfield
100 Year
Celebration
Luau**

***August 26, 2016
at the City Park
6:00 pm – 8:00 pm***

Live Entertainment

A history of The City of Fairfield by Mayor Marolf

Bring a dessert to share

And don't forget your lawn chairs

CAMMAS CREEK

COUNTRY STORE

113 Highway 20, Fairfield, Idaho (208) 764-2211

Sometimes you **Win** and Sometimes you **Learn**

Prices Valid Aug. 17th-
Aug. 23 2016



\$2⁹⁹

Stones 1lb.
**Ground Beef
Patties**



\$1²⁹
lb.

Fresh Red, Green and Black
Grapes

Betty Crocker 15.25 oz. Select
Varieties

Cake Mix 4/\$5



American Beauty 12-16 oz.
Select Varieties

Pasta 4/\$5

Betty Crocker 8-16
oz. Select Varieties

Frosting 2/\$3



Pringles 5.96 oz. Select Varieties

Snacks 3/\$5



Betty Crocker 5-12.2
oz. Select Varieties

Helpers \$1¹⁹



Prego 23 oz. Select Varieties

Pasta Sauce \$2⁴⁹



Meat



\$4.99 Seasoned Whole Chicken

Western Family Medium 32 oz. Select Varieties Cheese **\$4.99**



Western Family 2.5 lb. Select Varieties

Chicken **\$4.99**



Butchers Choice 20% Off



Ball Park 15 oz. Select Varieties

Franks

\$1.99



Produce



6/1.98 Fresh Utah Corn

Fresh Black, Blue and Raspberries Berries **2/\$6**



Dole 8-12 oz. Select Varieties

Salad Mixes **2/\$3**



Green Giant 12 oz. Select Varieties

Green Beans **2/\$5**



Fresh Cherry Tomatoes **2/\$3**



Fresh Artichokes **4/\$5**



Fresh 1 lb. pk. Strawberries **2/\$5**



Frozen/Dairy

Western Family 16 oz. Select Varieties

Cottage Cheese **99c**



Pictsweet 10-12 oz. Select Varieties

Mixed Vegetables **3/\$5**



Western Family 22-32 oz. Select Varieties

Frozen Potatoes **\$2.29**



Red Button Vintage Creamery 56 oz. Select Varieties

Premium Ice Cream **2/\$7**



Western Family 45 oz. Select Varieties

Margarine **\$1.89**



Marie Callender's 13-16 oz. Select Varieties

Frozen Dinners **4/\$10**



Philly Swirl 6 ct. Select Varieties

Ice Cream Novelties **\$2.99**



Creamies 6 ct. Select Varieties

Ice Cream Bars **2/\$5**



Grocery

Kellogg's 10 ct. Select Varieties Fruit Snacks **\$1.76**



Skippy 16.3 oz. Select Varieties Peanut Butter **\$1.99**



Sunshine 7 oz. Select Varieties Crackers **\$1.76**



Western Family 16 oz. Select Varieties Salsa **3/\$5**



Nabisco 10.1-15.3 oz. Select Varieties Oreo Cookies **3/\$10**



Western Family 12 oz. Select Varieties Pasta **2/\$3**



Tostitos, Ruffles and Lay XL 7.75-14 oz. Select Varieties Chips **2/\$6**



Kellogg's 11.2-18 oz. Select Varieties Cereal **\$2.99**



Kellogg's 10.4 oz. Select Varieties Nutri-Grain **\$2.26**



Quaker 6.5 oz. Select Varieties Granola Bars **2/\$5**



Western Family 18 oz. Select Varieties Oatmeal **99c**



Nutella 13 oz. Select Varieties Spread **\$3.29**



Non-Foods

Sun 188 oz. Select Varieties Laundry Detergent **\$5.49**



Western Family 9 ct. Select Varieties Bathroom Tissue **\$5.88**



Formula 409, Clorox and Pinesol 32-40 oz. Select Varieties Cleaners **2/\$6**



Top Care 100 ct. Select Varieties Pain Reliever **\$2.49**



Hefty 12-30 ct. Select Varieties Bags **\$3.49**

