

# Milltown Dam Water Right Paper

## Introduction

As a part of the Clark Fork River Superfund remediation, the Milltown Dam power house and spillway are scheduled to be removed in 2008 and 2009, respectively.<sup>1</sup> Associated with this dam are hydropower water right claims to both store water and generate electricity. The removal of the dam will mean that the purpose of the existing rights will cease to exist. Because the hydropower right is large with a relatively old priority date, its fate is important to many upper Clark Fork River basin<sup>2</sup> water users. The Upper Clark Fork River Basin Steering Committee<sup>3</sup> (Steering Committee) has written this paper to identify and explore alternatives regarding the purpose and ownership of the existing water rights and the implications of the alternatives for upper basin water users.

This paper begins by summarizing Montana water law relevant to the Milltown Dam water rights. It details those rights and discusses how they may be affected by the Milltown Dam Consent Decree. It then identifies alternatives for changes to the Milltown Dam water rights. Next, the paper sets forth the river hydrograph above Missoula, the basin water budget, and the number of water rights junior to the Milltown Dam rights by subbasin. Finally, it discusses how the most likely water right change alternatives might be managed and enforced so that basin users can consider how they may be affected by them.

## Montana Water Law

Montana's Constitution establishes the basis for allocating water in the state. Article 9, section 3, paragraphs (3) and (4) of the Constitution provide:

- (3) All surface, underground, flood, and atmospheric waters within the boundaries of the state are the property of the state for the use of its people and are subject to appropriation for beneficial uses as provided by law.
- (4) The legislature shall provide for the administration, control, and regulation of water rights and shall establish a system of centralized records, in addition to the present system of local records.

Thus while ownership of water remains with the state, Montanans can acquire a water right pursuant to state law authorizing them to appropriate water for a beneficial use. The legal

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<sup>1</sup> US EPA Montana Office, Milltown Reservoir Sediments Superfund Site Weekly Update, Issue #39, November 28, 2007.

<sup>2</sup> The upper Clark Fork River basin is defined in state statutes as that portion of the Clark Fork River basin above the confluence of the Blackfoot and Clark Fork Rivers.

<sup>3</sup> The Steering Committee is a watershed group formed in 1991 pursuant to a 1991 Montana statute. Its members include six people appointed by the upper Clark Fork basin's (the area of the Clark Fork River basin above Milltown Dam) six counties, six appointed by the basin's six conservation districts, and ten appointed by the DNRC Director to ensure representation of a balance of basin water interests. The Steering Committee's 1991 statutory mandate included drafting a water management plan for the basin which it completed in December 1994. In 1995, the mandate was changed to include implementing and revising the initial plan. See §85-2-338 MCA and *The Upper Clark Fork River Basin Water Management Plan*.

framework for water rights is the prior appropriation doctrine which is based on two general rules summarized by the phrases "first in time, first in right" and "use it or lose it".

"First in time, first in right" determines who may use water. Each water right has a priority date which is the date on which the water was first put to beneficial use. The earlier the priority date, the better the water right. A senior water right holder with an earlier priority date is entitled to use the full amount of his or her water right before any junior water right holder can use any water. In times of shortage, the senior user whose right is "first in time" can place a "call" on water to junior users and take all of the available water until his or her right is filled without sharing it with other users.

"Use it or lose it" refers to the requirement that water must be used beneficially or can eventually be alleged to have been lost (abandoned). This requirement is relevant to the Milltown Dam water rights because the dam will be removed and not replaced. Unless the existing rights are changed to a new beneficial use, they will be void. State law provides that a use qualifies as a beneficial use if it falls within one of four categories<sup>4</sup>:

- Water used for the benefit of the appropriator, other persons, or the public, including but not limited to agricultural (including stock water), domestic, fish and wildlife, industrial, irrigation, mining, municipal, power, and recreational uses;
- Water appropriated by the Montana Department of Natural Resources and Conservation (DNRC) under the state water leasing program;
- Water used by the Montana Department of Fish, Wildlife and Parks (DFWP) pursuant to a water right lease; or
- Water used through a temporary change in appropriation right or lease to enhance instream flow to benefit the fishery resource.

Prior to enactment of the 1973 Montana Water Use Act (Act), a water right could be acquired simply by diverting water and putting it to a beneficial use. Since passage of the Act, a new water right or a change to an existing right requires either a permit or an authorization for a change in appropriation right, respectively, from DNRC. A change authorization must be obtained if a change is made to the point of diversion, place of use, purpose of use, or place of storage. If the Milltown Dam rights are kept alive, they must go through the change process.

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<sup>4</sup> §85-2-102 MCA.

To obtain a change, the owner of a water right must file an application with DNRC and demonstrate<sup>5</sup> compliance with the following criteria:

- The proposed use will not adversely affect the use of other water rights or other planned developments for which a permit or certificate has been issued or water has been reserved.
- The proposed means of diversion, construction, and operation of the appropriation works are adequate.
- The proposed use of the water is a beneficial use.
- The applicant owns or has permission from the person who owns the property where the water is to be used.<sup>6</sup>

If a valid objection to the change application pertaining to water quality is received, the applicant must also prove one of the following:

- The water quality of an appropriator will not be adversely affected.
- The ability of a discharge permit holder to satisfy effluent limitations of a permit issued in accordance with Title 75, chapter 5, part 4, MCA.

In addition, for a proposed change in purpose or place of use of an appropriation to divert 4,000 or more acre-feet annually and 5.5 or more cubic feet per second (cfs), the applicant must prove the criteria in section §85-2-402(4), MCA. If the change involves the transport of water out of state, the applicant must prove the criteria listed in section §85-2-402(6), MCA, and obtain legislative approval.<sup>7</sup>

It is important to note that changing a water right's point of diversion, place of use, purpose of use, or place of storage, does not change its priority date.

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<sup>5</sup> The applicant must prove by a preponderance of the evidence that the criteria for issuance of an authorization are met. See *Water Rights in Montana*, page 28, February 2006, published by jointly by DNRC, the Legislative Environmental Quality Council, and the Montana University System Water Center. This publication is available via the internet at [http://dnrc.mt.gov/wrd/water\\_rts/wr\\_general\\_info/waterrights\\_in\\_montana.pdf](http://dnrc.mt.gov/wrd/water_rts/wr_general_info/waterrights_in_montana.pdf).

<sup>6</sup> *Ibid*, page 28.

<sup>7</sup> *Ibid*, page 28. The additional criterion in §85-2-402(4) is that the proposed change is a reasonable use. A finding of reasonable use must be based on a consideration of:

- (i) the existing demands on the state water supply, as well as projected demands for water for future beneficial purposes, including municipal water supplies, irrigation systems, and minimum streamflows for the protection of existing water rights and aquatic life;
- (ii) the benefits to the applicant and the state;
- (iii) the effects on the quantity and quality of water for existing uses in the source of supply;
- (iv) the availability and feasibility of using low-quality water for the purpose for which application has been made;
- (v) the effects on private property rights by any creation of or contribution to saline seep; and
- (vi) the probable significant adverse environmental impacts of the proposed use of water as determined by the department pursuant to Title 75, chapter 1, or Title 75, chapter 20.

Because prior to 1973 water rights did not have to be filed with the state, no centralized records of Montana water rights existed when the 1972 Constitution was adopted. In response to the Constitutional mandate, the 1973 Water Use Act established a centralized record system for water rights and required that all water rights existing prior to July 1, 1973 must be finalized, documented and quantified through statewide water rights adjudication in state courts. This adjudication is on-going. The Milltown Dam water rights have not yet been quantified by the Montana Water Court.

## **Milltown Dam Water Rights**

### Existing Water Rights

When Montana Power Company (MPC) owned Milltown Dam, it filed two water right claims associated with the dam, one for power generation and one for storage. The DNRC abstract for claim 76M 94404-00 includes the following information:

- Purpose of the water right - power generation
- Maximum flow rate - 2,000 cfs
- Maximum volume - 1,451,556.00 acre-feet
- Period of use - January 1 through December 31
- Priority date - December 11, 1904.

This water right was included in a temporary preliminary decree issued for the Middle Clark Fork Basin (76M) in 1984. However, as noted on the abstract, the Montana Water Court will not take final action on this water right claim until final decrees are issued in all three basins involving the dam, the upper and middle Clark Fork River basins (76G and 76M) and the Blackfoot River basin (76F). The Milltown hydro power claim continues to be subject to objection in each basin. The abstract also notes that the power generation use "...may consume some water, but until that amount is quantified, it is presumed that the use is non-consumptive."<sup>8</sup> DNRC received a notice of change in the claim's ownership on June 2, 2005 after NorthWestern Corporation (NWC) acquired the dam from MPC.

The second claim, 76M 94405-00, is for storage.<sup>9</sup> The priority date, period of use and the point of diversion and its location are the same as for the power generation claim. MPC claimed a flow rate of 940 cfs up to the amount necessary to fill the storage reservoir at any time. Information submitted by MPC with the claim indicates the surface area of the reservoir was 500 acres, the maximum depth was 28 feet, and the total storage was 820 acre feet. The DNRC abstract for the Milltown storage right claim includes two remarks:

- The water court finds no legal basis for this purpose to be considered a beneficial use or an appropriation of water.
- On June 7, 1985 the Montana Power Company filed late objections to the purpose of right and "other". These will be heard after proper notice on the next objection list.

The first remark reflects the fact that the Water Court has not determined whether storing water

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<sup>8</sup> General Abstract 76M 94404-00, which is available from the DNRC Water Rights Bureau.

<sup>9</sup>The DNRC General Abstract 76M 94405-00 does not list a purpose or a maximum flow rate or maximum volume for this right.

constitutes a beneficial use. The 1984 temporary preliminary decree for 76M did not recognize the storage claim, and MPC objected to it. The status of storage associated with hydro power is an unresolved issue for dams in both the Clark Fork and Missouri River basins. However, in a 1986 decree, Montana Water Judge Holter upheld storage rights associated with the Thompson Falls hydro power facility. As was the case with the hydropower right, DNRC received a notice of change in the claim's ownership on June 2, 2005 after NWC acquired the dam.

### Consent Decree Obligations

NWC has obligations related to its Milltown water rights under the Consent Decree filed to settle Superfund litigation related to the Milltown Reservoir/Clark Fork River NPL Site.<sup>10</sup> In settlement of the natural resource damages claims against it, NWC has an outstanding obligation to pay the State of Montana (State) \$1.4 million. Pursuant to the Consent Decree, it can meet this obligation in one of two ways.

One way is to use some or all of three funding sources: an insurance policy<sup>11</sup> and the sale of its Milltown Dam lands and water rights. After using the insurance policy proceeds, NWC must appraise and attempt to sell on the open market and at fair market value first the Milltown lands and then the water rights until its \$1.4 million obligation is met. The State has the right to approve of any sale of the lands and the water rights. NWC must offer any unsold portion of the water rights to the State no later than September 2008. The State then has one year following the completion of Remedial Action or 1290 days after February 8, 2006, whichever is later, to accept the water rights. If the State does not accept the water rights, then NWC must offer them to the United States and the Confederated Salish and Kootenai. These other parties would then have one year from the date of the offer to accept it in whole or part. Any governmental entity accepting the water rights must guarantee that the rights will not be changed to a consumptive use. As of August 2007, NWC had completed but not made public an appraisal of the Milltown Dam water rights.

The second way to meet the \$1.4 million obligation is for the State to acquire NWC's land and water rights at Milltown prior to their sale. After the dam is removed and the State receives the insurance proceeds, the State may exercise an option to acquire those land and water.<sup>12</sup> In this event, NWC would receive full credit in the amount of the remaining balance of the \$1.4 million obligation and this obligation shall be considered to be fully satisfied.

## **Milltown Dam Water Right Change Alternatives**

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<sup>10</sup>Consent Decree for the Milltown Site, United States of America vs. Atlantic Richfield Company (ARCO) and Northwestern Corporation (NWC), Civil Action No. CV89-039-BU-SHE, United States District Court for the District of Montana Butte Division. The parties to the consent decree include: ARCO, NWC, the United States, the State of Montana, and the Confederated Salish and Kootenai Tribes.

<sup>11</sup> The expected value of an insurance premium refund which would be transferred to the State is about \$400,000.

<sup>12</sup>NRD Program Fact Sheet entitled "Northwestern's Compensation For Natural Resource Damages At The Milltown Site."

The Steering Committee has identified several alternatives for changes to the Milltown Dam water rights, including abandonment, withdrawal, transfer to a downstream hydropower facility, transfer to new consumptive or instream use, and/or transfer of ownership to a new private entity and/or the State or the United States and the Confederated Salish and Kootenai Tribes. Each of these alternatives will now be discussed.

### Abandonment

The 2006 edition of *Water Rights in Montana* defines abandonment as the “...intentional, prolonged nonuse of a water right, resulting in its loss.”<sup>13</sup> Precisely when the abandonment occurs is not clear. A Montana statute, §85-2-404 MCA, reads in part:

Abandonment of appropriation right. (1) If an appropriator ceases to use all or a part of an appropriation right with the intention of wholly or partially abandoning the right or if the appropriator ceases using the appropriation right according to its terms and conditions with the intention of not complying with those terms and conditions, the appropriation right is, to that extent, considered abandoned and must immediately expire.

(2) If an appropriator ceases to use all or part of an appropriation right or ceases using the appropriation right according to its terms and conditions for a period of 10 successive years and there was water available for use, there is a prima facie presumption that the appropriator has abandoned the right for the part not used...

(5) Subsections (1) and (2) do not apply to existing rights until they have been finally determined in accordance with part 2 of this chapter (i.e. the state-wide water rights adjudication by the Montana Court).

Since the adjudication of the Milltown Dam water rights is not final, the above statute does not apply.

Former DNRC Chief Legal Council Donald MacIntyre has reviewed the court decisions regarding abandonment. He concludes:

One clear conclusion to be drawn from the more recent abandonment cases is that in Montana, once an objector establishes a long period of nonuse, the burden shifts to the appropriator to give a reason for the nonuse. A long period of nonuse is established by a showing of 23 years of nonuse...§85-2-404, concerning the prima facie proof of abandonment after ten years once the adjudication is completed, may lead to the conclusion that any nonuse for ten or more years will meet the standard for shifting the burden of proof.<sup>14</sup>

It appears obvious, however, that if the dam is removed and the owner has no intention to rebuild it, at some point the dam water rights will be abandoned. As explained above, under the provisions of the Milltown Site Consent Decree, the present owner, NWC, must either transfer the rights to the State or attempt to sell at least a portion of the rights to a private party and then offer any unsold rights first to the State and then to the United States and the Confederated Salish and Kootenai Tribes. Abandonment could occur in this case only if no entity either purchases or accepts transfer of the water rights.

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<sup>13</sup> *Water Rights in Montana*, page 39, February 2006.

<sup>14</sup> Don MacIntyre, unpublished memorandum dated August 23, 2007

### Withdrawal

The owner of a water right can voluntarily withdraw it. In theory, since they have not been finally adjudicated, the current owner could simply withdraw its water right claims.

However, as explained above, the Milltown Site Consent Decree commits the company to either sell the Milltown Dam water rights on the open market and/or offer them to the State of Montana or the United States or the Confederated Salish and Kootenai Tribes.

Withdrawal of the Milltown Dam water rights is, therefore, not an option.

### Transfer to a Downstream Hydropower Facility

The Consent Decree would, under certain conditions, allow NWC to sell at least a portion of the Milltown Dam water rights to a downstream hydropower utility.<sup>15</sup> To transfer the Milltown Dam to a downstream dam, the new owner would have to apply for a change authorization from DNRC and demonstrate compliance with the criteria listed on page 3 above. The first criterion that must be satisfied is no adverse effects on any existing water right holder. Because of the transfer, any water user located between Milltown Dam and the downstream hydropower facility with a right junior to December 11, 1904 would be subject to a water rights call by the new owner. A call would adversely affect these junior users. Given this fact, unless arrangements would be made to prevent such a call, transfer of the Milltown Dam water rights to a downstream hydropower facility appears unlikely. No owner of a downstream hydropower facility has publicly expressed interest in purchasing the Milltown rights.

### Transfer to New Consumptive or Instream Use by NWC

Because of the Consent Decree, NWC cannot retain ownership of the Milltown Dam water rights and seek a change to a consumptive or instream use. The Consent Decree requires NWC to transfer the rights to the State or attempt to sell some portion of the right to a new entity and offer any unsold water rights first to the State and then to the United States and Confederated Salish and Kootenai. This alternative therefore is not applicable to the Milltown Dam rights.

### Transfer of Ownership

The final change alternative would be a transfer of the Milltown Dam water rights to a new owner for a new use, perhaps at a new location. Because of the Consent Decree, this is the most likely alternative to occur. NWC must either transfer all of the water rights to the State, or attempt to sell a portion of the water rights on the open market and offer any unsold rights to the State and then the United States and the Confederated Salish and Kootenai Tribes.

If a private party purchases some portion of the water rights, it would have to obtain an authorization from DNRC to change the rights to a new consumptive or instream use. Because of the no adverse effects test, a change of the hydro power right to a consumptive use does not appear feasible. The purchaser might successfully change the purpose of the right to a new instream flow

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<sup>15</sup> The two hydropower utilities owning facilities on the Clark Fork River downstream of Milltown Dam are PPL Montana, which owns the Thompson Falls Dam, and Avista, which owns the Noxon Rapids project.

right with a fish or recreation beneficial use. However, the entire existing right, 2,000 cfs and 1,451,556 acre-feet, may not be necessary to support the new beneficial use. If it is not, a portion of the existing hydro power right may not transfer to the new owner and would be lost.

The situation would be similar if the State, United States, or the Confederated Salish and Kootenai Tribes assumes ownership of all or a portion of the Milltown hydro power right. In this case, the Milltown Dam Consent Decree expressly forbids transfer of the right to a consumptive use. A new governmental owner would also have to obtain a DNRC authorization for a change of use for a new instream purpose which would require demonstrating first that the change would not adversely affect any existing water rights and second the amount of water that would be put to the new beneficial use. Again, one cannot assume that the entire 2,000 cfs and 1,451,556 acre-foot right would transfer to the governmental entity. If, for example, the State would take ownership of all or a portion of the hydro power right, in the change process it would have to demonstrate how much of the existing right would be put to a beneficial use for fish or recreation or another instream use.

The situation is not as clear for the Milltown Dam storage water right. As stated above, the Montana Water Court has not decided if storage constitutes a beneficial use. However, assuming that the storage right at Milltown exists, it would include a consumptive portion due to evaporation from the reservoir surface. Information submitted by MPC with its Milltown Dam water rights claim lists the surface area of the reservoir at 500 acres. Assuming 3.2 acre-feet per year of evaporation per acre of reservoir surface,<sup>16</sup> the Milltown reservoir would evaporate 1,600 acre-feet per year. Should either a private party or the State or another governmental entity take ownership of the storage right, it would appear, therefore, to include a consumptive right of 1,600 acre-feet per year. Removing the dam and eliminating the reservoir would make available for a new consumptive use the 1,600 acre-feet of water per year, the amount that would have been otherwise lost through evaporation. Because the 1,600 acre-feet is in effect “new water,” the new water right owner may be able convert the place of use for consumption of this amount of water to a location upstream of the former Milltown Dam without adversely affecting existing water rights. This alternative will be discussed further in the section on enforcement and management alternatives.

## **Upper Clark Fork River Hydrograph and Basin Water Budget**

Before considering how an instream flow right replacing the Milltown Dam water rights might affect water users upstream, the river hydrograph above Missoula and the major contributors to the flow of the Clark Fork River at Milltown Dam will be identified.

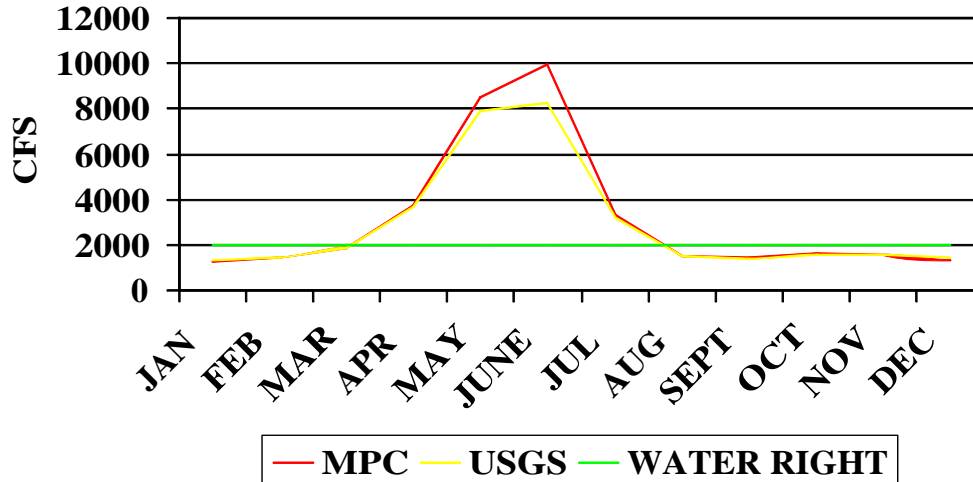
### River Hydrograph

The hydrograph showing the average annual flow of the Clark Fork River from 1930 to 2006 is shown in the following figure.

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<sup>16</sup> Claim No. 76M-w-094404-00 questionnaire for power generation claims.

## STREAMFLOW AT MILLTOWN DAM



The figure shows that on the average the river above Missoula flows above 2,000 cfs, the level of the power generation water right claim, the last ten days of March, all of April, May and June, and all but the last four days of July, a total of 130 days per year. Thus, on the average, the Milltown Dam power generation water right is not filled 235 days per year.

### Upper Basin Water Budget

The upper Clark Fork River from its beginning below the Warm Spring ponds to the Milltown Dam site has four major tributaries, the Little Blackfoot River, Flint Creek, Rock Creek, and the Blackfoot River. Table 1 lists the annual discharge of each of these tributaries to the Clark Fork, as well as that of the Clark Fork River above its confluence with the Little Blackfoot at Garrison. The source of the Table 1 data is the USGS Water Data for Montana which is available via the internet at <http://waterdata.usgs.gov/mt/nwis/annual/>.

**Table 1 - Upper Clark Fork River Basin Stream Flows**

<b>USGS Gauge Location</b>	<b>USGS Site Number</b>	<b>Average Annual Discharge (cfs)</b>	<b>Years of Data</b>	<b>Contribution to the Clark Fork Above Missoula Flow</b>
Clark Fork Above Missoula	12340500	2946	1930-2006	
Blackfoot River Near Bonner	12340000	1,555	1940-2006	52 %
Rock Creek Near Clinton	12334510	510	1973-2006	17%
Flint Creek Near Drummond	12331500	118	1991-2002, 2004	4%
Clark Fork River Near Drummond	12331800	673	1994-2006	22%

As indicated in Table 1, on an average annual basis, 52% of the flow of the Clark Fork River measured at the USGS gauge above Missoula is contributed by the Blackfoot River, 17% by Rock Creek, 4% by Flint Creek, and 22% by that portion of the Clark Fork River above the USGS gauge near Drummond. However, under Montana water law, the obligation to support an instream flow right that would replace the Milltown Dam hydro power right would not be apportioned based on the average annual discharge of the river's tributaries. Instead, the obligation would fall on water rights junior to the instream flow water right, i.e. December 11, 1904. The next section of this paper identifies the number and location of water rights above Milltown Dam that have a priority date after December 11, 1904.

### **Junior Water Rights above Milltown Dam**

According to the DNRC water rights data base, 12,650 water rights located above Milltown Dam have priority dates junior to December 11, 1904.<sup>17</sup> The Montana Water Court has issued Temporary Preliminary Decrees on three of the four basins above Milltown Dam. The basins are Flint Creek (76GJ), Rock Creek (76E), and Clark Fork above the Blackfoot (76G). The water right claims in the fourth basin, Blackfoot River (76F) have been examined and a summary report provided to the Water Court. A Preliminary Decree is forthcoming. Of the total junior rights, 3,938 are for surface water. The break down of these rights by sub-basin is shown in Table 2. Table 3 lists the junior surface rights by purpose of use. The purpose with the largest number of rights is stock water, followed closely by irrigation. The storage in Georgetown Lake and the East Fork, Nevada Creek, and Lower Willow Creek reservoirs is a specific example of water use based on rights junior to the Milltown Dam water rights. Details of these rights taken from the DNRC claim abstracts are shown in Table 4.

<sup>17</sup> Letter from Curt Martin to Gerald Mueller, August 31, 2007.

**Table 2 - Distribution of Junior Water Rights by Subbasin**

<b>Sub-basin</b>	<b>All Junior Rights</b>	<b>Junior Surface Rights</b>
Rock Creek	667	320
Blackfoot	4,595	2,058
Flint Creek	1,810	329
Upper Basin/Mainstem	6,156	1,310

**Table 3 - Surface Water Rights Junior to December 11, 1904 Located Above Milltown Dam Listed by Purpose of Use**

<b>Number of Rights</b>	<b>Purposes of Use</b>
7	Augmentation, irrigation
17	Commercial
1	Domestic, fish & wildlife, & lawn & garden
1	Domestic, fish & wildlife, & power generation
1	Domestic & industrial
1	Domestic, irrigation, & stock
12	Domestic & irrigation
1	Domestic, lawn & garden, & stock
9	Domestic & lawn & garden
1	Domestic & other purpose
1	Domestic & recreation
1	Domestic & stock
372	Domestic
12	Fire protection
1	Fish & wildlife & fish raceways
1	Fish & wildlife, irrigation, & recreation
1	Fish & wildlife, irrigation, & stock
1	Fish & wildlife & irrigation
1	Fish & wildlife, lawn & garden, & stock
1	Fish & wildlife & mining
1	Fish & wildlife & power generation

1	Fish & wildlife & recreation
3	Fish & wildlife & stock
131	Fish & wildlife
1	Fish raceways & fishery
3	Fish raceways
2	Fishery, industrial, & irrigation
1	Fishery & industrial
1	Fishery, irrigation, & stock
4	Fishery & irrigation
1	Fishery & other purpose
4	Fishery
20	Industrial
9	Institutional
1	Irrigation & other purpose
1	Irrigation, recreation, & stock
2	Irrigation & recreation
16	Irrigation & stock
1	Irrigation, wildlife, & waterfowl
1278	Irrigation
1	Lawn & garden & multiple domestic
1	Lawn & garden & other purpose
3	Lawn & garden & stock
31	Lawn & garden
1	Mining, wildlife, & waterfowl
117	Mining
133	Multiple domestic
4	Municipal
2	Observation & testing

1	Other purpose
5	Pollution abatement
9	Power generation
2	Recreation & stock
82	Recreation
1	Sale
2	Stock, wildlife, & waterfowl
1456	Stock
4	Storage
1	Unknown
153	Wildlife
5	Wildlife & waterfowl
<b>3938</b>	<b>Total</b>

**Table 4 - Examples of Specific Junior Rights**

<b>Storage Facility</b>	<b>Water Right Claimant</b>	<b>Maximum Volume (Acre-Feet)</b>	<b>Priority Date</b>
Flint Creek Dam	Granite County	28,180	December 31, 1919
East Fork Rock Creek	DNRC	18,457	Oct. 22, 1935
Nevada Creek	DNRC	22,844	September 1, 1937
Lower Willow Creek	Lower Willow Creek Irrigation District	5,100	May 3, 1960

### **Changed Milltown Water Right Enforcement and Management Alternatives**

As discussed above, some portion of the Milltown Dam right may, with the approval of the State, be sold to a private party. A more likely outcome is that the rights will be transferred to the State or, if the State declines them, to the United States or the Confederated Salish and Kootenai Tribes. If a new owner obtains a change of the water rights to a new purpose how might they be enforced and/or managed?

#### Enforcement of the Changed Water Right

To date, past owners of the Milltown Dam rights, MPC and NWC, have not acted to enforce their rights either by making call on junior users when the right was not filled or by objecting to new permit or change applications. Steering Committee members have wondered if ninety-six years of non-enforcement have rendered the rights unenforceable. This does not appear to be the case. Non-

enforcement is not the same thing as non-use. Until the recent removal of the hydropower generators, the Milltown rights were used to generate electricity. As discussed above, the rights have not been and, pursuant to the Superfund Consent Decree, may not be abandoned by their current owner. Apparently, no court cases have found that a prolonged period of non-enforcement renders water rights unenforceable.

After the adjudication is completed, and all water rights above Milltown Dam are decreed, enforcing the rights through a call on junior users may be easier than today. Information on all upstream junior rights, e.g. flows and volumes, place of diversion, type of use, etc., will be finalized and the relationship among the rights will be determined and integrated into one decree. This information and integration may facilitate the call process.

A new owner of changed Milltown Dam water rights may, therefore, opt to enforce the rights the traditional way, through calls on juniors and by objecting to new permit or change applications.<sup>18</sup> Any call on a junior user above Milltown would be subject to a futile call defense. If a junior user could demonstrate that his or her water would not reach the location of the new Milltown instream flow right, he or she would not need to comply with the call. For example, if the stream goes dry before reaching the senior right holder's place of use, the call would be futile. The fact that the effect of a particular junior use would not be measurable at the senior's place of use is not an adequate defense, however.<sup>19</sup> Because the change process may reduce the flow and volume of the rights, one cannot now predict the frequency of potential calls, but assuming the river's hydrograph does not change, calls would be more likely outside of the period when river flows are normally at their highest, mid-March to mid-July.

Almost all water rights are enforced based on one value of flow and, when volume caps are specified, one volume value at one location during a specified period of use. Flow values specified relate to peak historic use. For example, the Milltown Dam hydropower right is for 2,000 cfs year round, regardless of the river hydrograph. In other words, NWC could presumably enforce its rights by issuing calls on junior users anytime the flow at the Milltown turbines was less than 2,000 cfs, even if the flow in the river would normally be less than this value. Instream flow rights owned by the DFWP are different. The flow amounts of these rights, known as Murphy rights, can vary throughout the year at the same location. When the State or another new owner of the Milltown water rights seeks a change of use authorization to an instream flow other than power generation, DNRC would have significant latitude to condition the permit.<sup>20</sup> One such condition might tie the flow of the water right to the river hydrograph in a manner similar to Murphy Rights. However, from the perspective of an irrigator, the critical enforcement period will probably remain the late summer period when river flows are normally the lowest.

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<sup>18</sup> The new owner of the Milltown water rights would not be precluded from enforcing the changed water right by the change adverse affect criterion because existing users were subject to a call under the hydropower and storage rights.

<sup>19</sup> See the *Clark Fork Basin Watershed Management Plan*, page 75, September 2004.

<sup>20</sup> Private communication from Bill Schultz, October 9, 2007.

### Management of the Changed Water Right

As has been the case with the existing Milltown Dam water rights, the right to enforce does not necessarily translate into actual enforcement. If the Milltown Dam rights are transferred to the State or another owner for an instream flow use, the new owner may opt not to enforce the rights through water rights calls on junior users in return for a consideration such as a drought plan that shares any shortage equitably throughout the basin.

DFWP owns Murphy Rights on the mainstem of the Blackfoot River. It also participates in a voluntary drought plan on the Blackfoot River. The plan includes voluntary action by water users to reduce their use when river flows fall below certain trigger values. As a part of the plan, DFWP has agreed not to issue calls on users with rights junior to the Murphy rights if they comply with the drought plan. The Blackfoot Murphy rights and drought plan might serve as a model for managing a Milltown water right changed to an instream flow.

Applying this model to the upper Clark Fork basin, a drought plan could be developed involving some or all of the six sub-basins above Milltown Dam, i.e. the lower Clark Fork mainstem, the Blackfoot River, Rock Creek, Flint Creek, the Little Blackfoot, and the upper Clark Fork mainstem and tributaries.<sup>21</sup> The drought plan would presumably be triggered when the flow of the Clark Fork River flow falls below the changed Milltown instream flow water right. The drought plan could include a target flow for each of the six sub-basins. If the actual flow into the Clark Fork from the sub-basin was less than its target, then under the drought plan sub-basin water users would have to act to increase the flow to the target level. Each sub-basin would develop its own plan for meeting the target flow. The plan might involve a series of voluntary steps as is the case in the Blackfoot drought plan, or it might involve appointing one or more water commissioners to administer cutbacks consistent with existing water right priority dates.

One way to set the target flows would use sub-basin production targets and the average hydrograph at the Milltown Dam site. Sub-basin production targets might be set at the annual percentage contribution to the flow of the Clark Fork River above Missoula. See Table 1 above. This percentage could then be multiplied by the average flow of the Clark Fork River above Missoula over a specified period to determine a sub-basin target flow. Consider an example for the Blackfoot sub-basin using a daily average hydrograph. According to Table 1 data, the Blackfoot contributes 52% of the average annual flow of Clark Fork River above Missoula. Assume that the average daily flow on August 31 at Milltown is 1,130 cfs and that this flow is less than the changed Milltown water right so that the drought plan would be triggered. On August 31, the Blackfoot would then have a responsibility to produce 52% of 1,130 cfs at its mouth, or 760 cfs. If the actual flow from the Blackfoot into the Clark Fork River was less than 760 cfs, sub-basin water users would implement their plan for cutting back usage until the 760 flow would be met.

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<sup>21</sup> The lower Clark Fork mainstem would include all of the area that drains the Clark Fork mainstem between the mouths of the Little Blackfoot and Blackfoot Rivers, exclusive of Rock and Flint Creeks. The upper Clark Fork mainstem and tributaries includes the area drained by the Clark Fork mainstem above the confluence of the Little Blackfoot River.

Under this management approach, the shortage of flow would be shared between the Milltown water right owner and upstream water users because the drought plan would be designed to produce the sum of sub-basin target flows instead of the changed Milltown water right flow.<sup>22</sup> Sub-basin water users would have the flexibility to decide themselves on the actions necessary to meet the target flow. The new Milltown water right owner could opt to enforce its rights through calls on junior users in any sub-basin not participating in the drought plan.

### Management of the Consumptive Right

As discussed above, the existing Milltown storage right, if found to be valid by the Montana Water Court, may provide a source of water for new consumptive uses. Because the reservoir caused evaporation losses and removal of the reservoir eliminates these losses, the new instream flow water right holder may be able to consume up to the total evaporation loss, estimated above at 1,600 acre-feet per year, without adversely affecting other water users. One use of this consumptive water right might be for mitigation water required by HB 831 passed by the 2007 Montana legislature. Under this bill, if a new ground water use in a closed basin would result in a net depletion of surface water that adversely affects existing surface water rights, then the ground water user would have to develop a plan for mitigating the adverse impact. The upper Clark Fork River basin was closed to the issuance of most new surface water rights in 1995. If the State becomes the new Milltown water right holder, it could use its “consumptive” right as a source for mitigation.

### **Summary**

Because of the removal of the dam and power house, the existing Milltown Dam storage and hydropower water rights must be changed or they will be void. Because of the Consent Decree for the Milltown Site, ownership of these rights is most likely to transfer to the State for a new instream use sometime after removal of the dam. This transfer must be accompanied by a water right change authorization.

To be granted a change authorization, the State or any new owner of these rights will have to demonstrate two things, first that the change will not adversely affect any existing water right holder and second the amount of water necessary for the new beneficial use. Under existing law, enforcing the new rights would not constitute an adverse effect, and a change permit would not change the existing December 11, 1904 priority date. Above the Milltown Dam site, 3,938 surface water rights are junior to the of the Milltown rights. The purpose of most of the junior uses is either stock water or irrigation. The new owner of the Milltown rights could enforce the changed rights whenever they are not filled by making calls on junior users. Because the amount of water that would be put to a new beneficial use under the changed right is not known, one cannot predict the frequency of potential calls on junior users. Given the hydrograph of the Clark Fork River above Missoula, calls would be most likely outside of the mid-March through mid-July period. The new owner could also object to changes in upstream water rights or to new water right permits.

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<sup>22</sup> This approach would be equivalent to setting the Milltown right at the average hydrograph if flows dropped below some value.

However, the right to enforce does not necessarily translate to enforcement. A new owner may opt not to make calls, perhaps in return for a quid quo pro such as a drought plan that manages water to share shortages among some or all of the basin's water users.

The purpose of this paper is not to advocate any position regarding the Milltown Dam water rights. Its purpose is to explain why and how the ultimate disposition of those rights may be of crucial importance to upper Clark Fork basin water users.