

Water Quality Improvement Through Storage of Water

Council members who expressed concern about erosion, turbidity, and sediment deposition also suggested that new or enlarged existing storage facilities might be used to improve water quality by reducing instream sediment and augmenting late summer stream flows, as well as provide an economic benefit if stored water were used for irrigation.

There is no information currently available on the rate of sedimentation in existing reservoirs to determine sediment reduction benefits that may be provided by these facilities or new facilities. If desired, sedimentation studies in other areas of the West can be evaluated. The sediment entrapment objective for larger reservoirs in the watershed is to "minimize" sedimentation to "minimize" impacts to the water rights for the reservoirs. It is very expensive to remove sediment from reservoirs or to increase dam height to compensate for capacity loss due to sedimentation.

There may be some sites in the watershed where small reservoirs could be used to help with the recovery of gullied stream systems by rebuilding floodplains, especially on the south side of the watershed. However, hydrologists, soil scientists, and riparian ecologists usually recommend that sediment be allowed to pass through stream systems because this is a natural function of streams, because reservoirs that do fill with sediment have long-term dam maintenance needs, and because fresh sediment deposits are needed to rebuild damaged stream channels and floodplains. It is usually much more cost effective to naturally store sediment in stream channels and floodplains, and much more sediment can be stored in floodplains than in reservoirs over the long term. Reservoirs also cause erosion problems. They deplete a stream of sediment and cause the stream reach below the dam to rob sediment from the stream channel, bars and banks that once reduced stream energy, as has occurred below Hells Canyon Dam from the dam to the Salmon River.

Further development of this topic would be more appropriate as part of the Pine Creek Action Plan.

Other Pine Creek Watershed Health Considerations

Effects of Elk Population Increase

Some residents of Pine Valley are concerned about the effects elk are having on watershed health as the elk population increases. Elk grazing is unregulated, in contrast with cattle grazing on the same ranges. They browse on small trees. An adult elk eats nearly as much as an adult cow. Elk are known to visit and create wallows in boggy areas, and create well-defined trails and stream crossings in high use areas that sometimes can deliver sediment to streams. Elk can also spread certain noxious weeds if they graze through those areas. No data was available for comparison of watershed damage caused by cattle versus elk.

Effects of Recreation Use Increase

Some residents of Pine Valley are concerned about the effects of increases in dispersed and developed recreation on watershed health. Dust and sedimentation from roads and trails increases

with increased recreation visitor use. It is common knowledge that trails (especially where motorized vehicles are allowed) and roads become rutted with increased use, especially when used during wet periods. Many roads are rutted annually during the fall hunting period. Stream bank erosion and erosion of road surfaces occurs at stream crossing sites without culverts. Soils are compacted in dispersed and developed campsites. Stream banks, riparian areas, and trees are damaged by trampling, compaction, and chopping in high use areas. Noxious weeds are spread by vehicles, people, and pets from roads and other high use areas to other sites. People leave garbage, trash, and human waste in higher use areas and along roads.⁴

⁴ Developed from opinions of Pine Creek residents included in Appendix N.

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APPENDICES

APPENDIX A

Vision Statement and Powder Basin Watershed Council Health Concerns

Vision Statement

Vision: We recognize that our local prosperity is dependent upon the current and future availability and quality of our waters. We are committed to ensure that we retain, restore and enhance the health of our watersheds.

Powder Basin Watershed Council Health Concerns

Category A: Legally Mandated and Straight Forward Issues

- Oregon Department of Environmental Quality (ODEQ) 303 (d) List of Water Quality Impaired Streams
 - assessment of listed stream segments
 - consideration of related politics
 - address the issue of ODEQ temperature standards as well as other questionable standards
 - loss of riparian ecosystems
 - stream channel stability
- Fish Screens
- Noxious Weed Invasions
- Bull Trout Recovery

Category B: Legally Mandated and Controversial

- Baker City Watershed
 - maintenance of water quality to avoid filtration requirements
- Over-Appropriation of Water
 - i.e. water diversions (compliance with the limitation of water rights---delivery system that efficiently delivers the needed water with minimal waste or “Measured Deliveries”)
- Improper Water Use (Illegal water use)

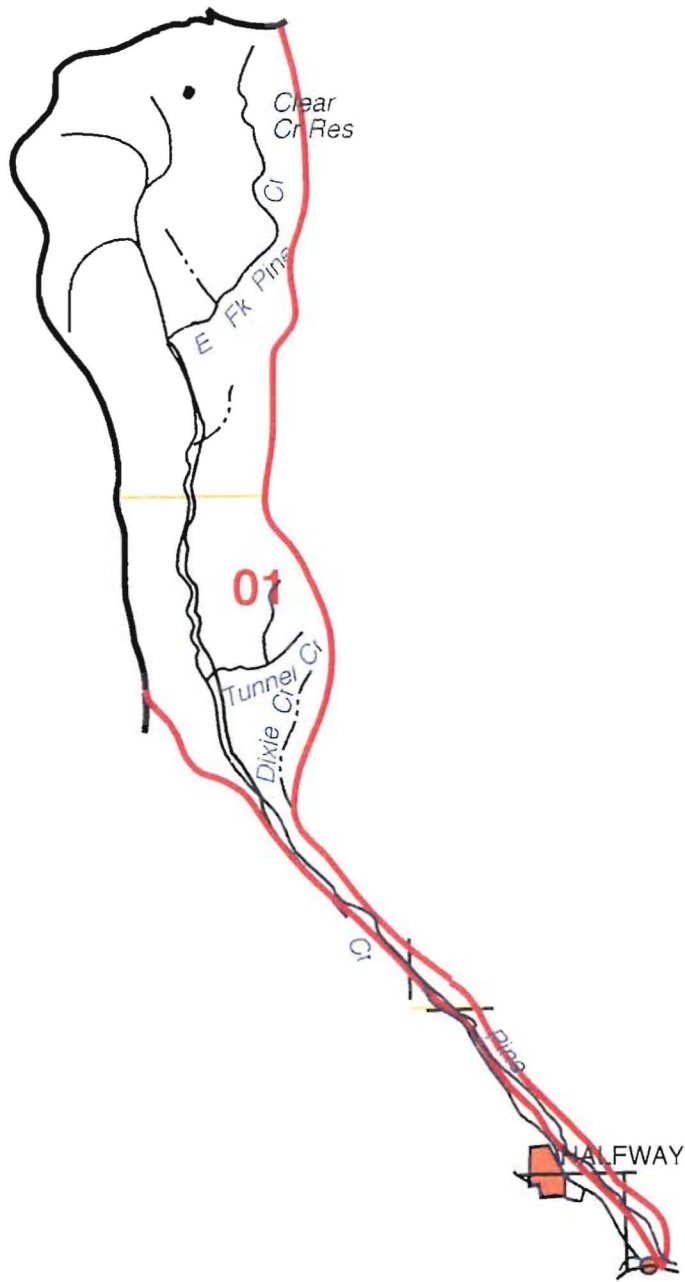
Category C: Other Concerns Not Legally Mandated

- Lack of Basin Assessment (to include the lack of water quality monitoring)

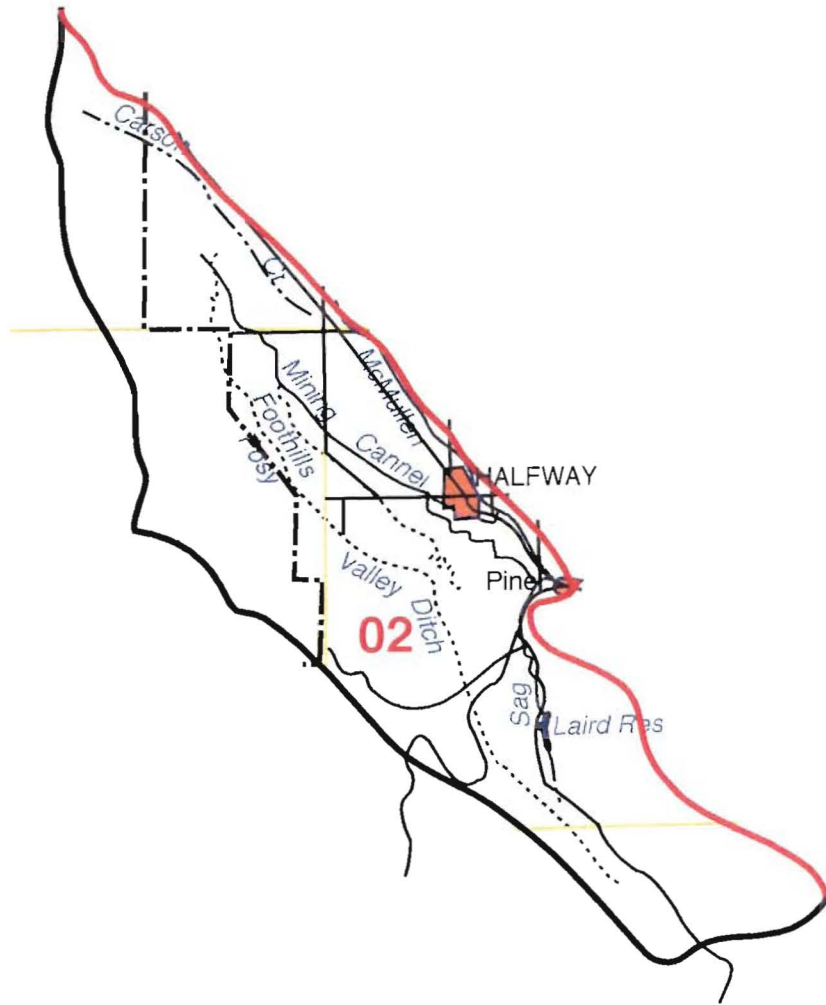
The Council wants to ensure that (1) the community is educated, supportive, enrolled and enthusiastic about results accomplished and (2) wants the public perception to be that the community has benefited from having healthy watersheds.

APPENDIX B

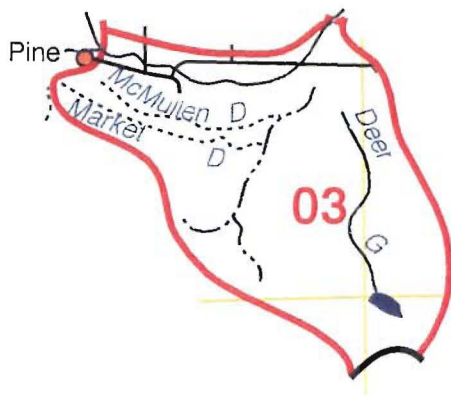
Pine Creek Subwatershed Maps



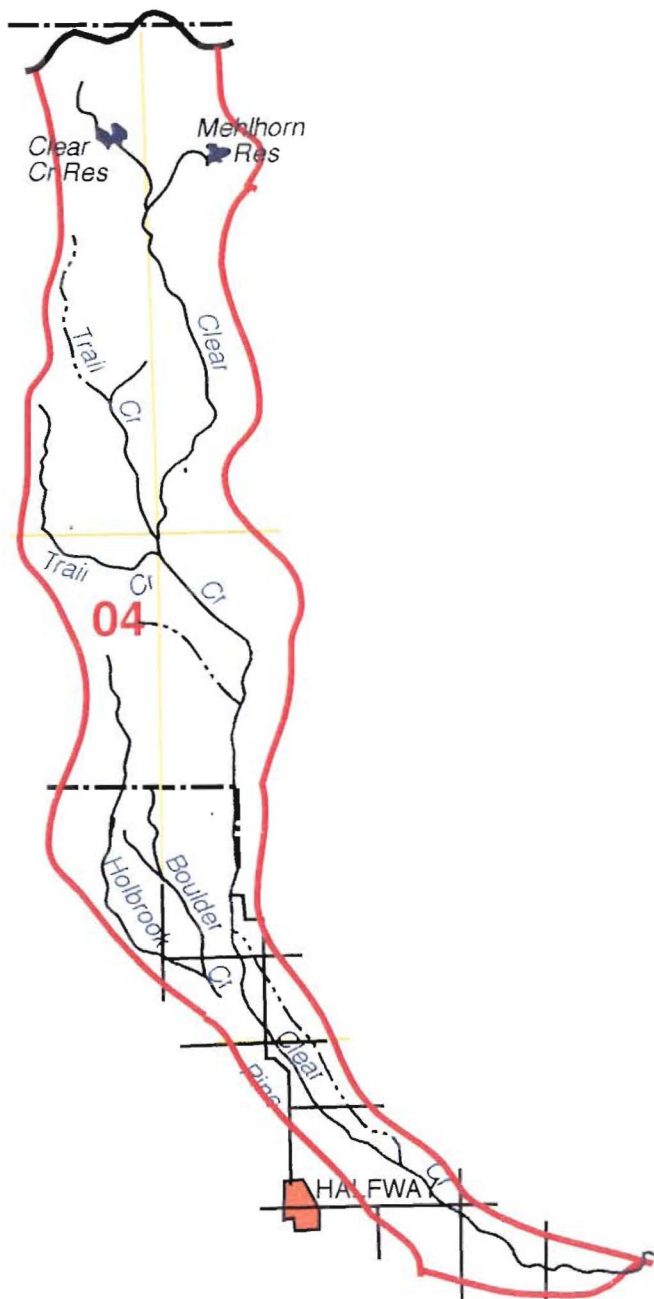
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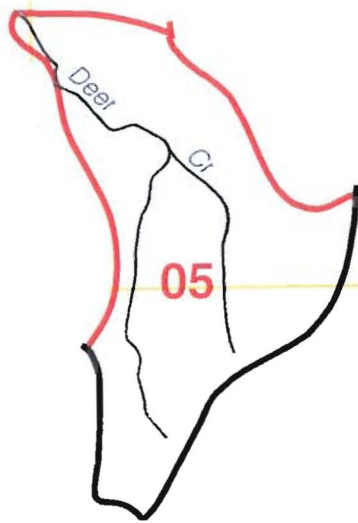
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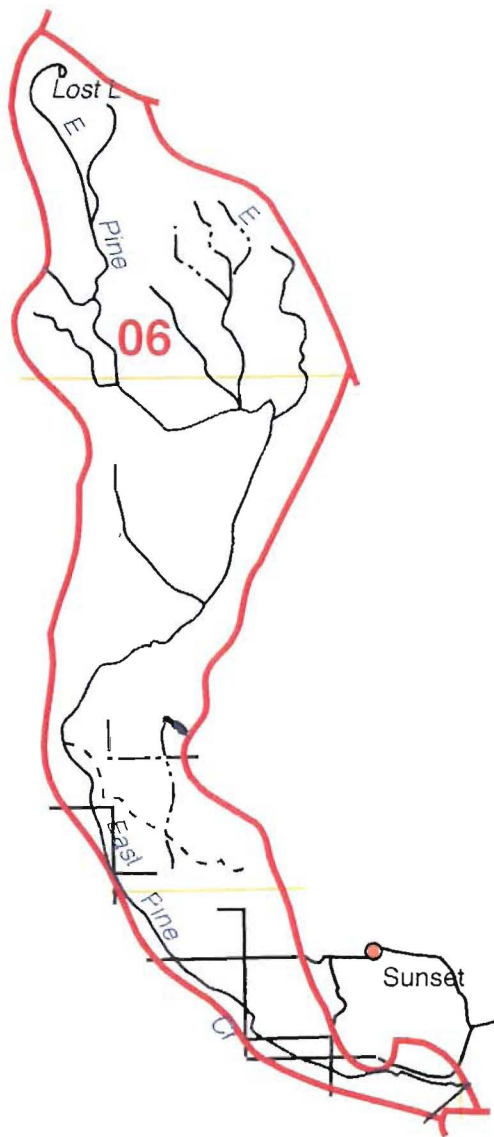
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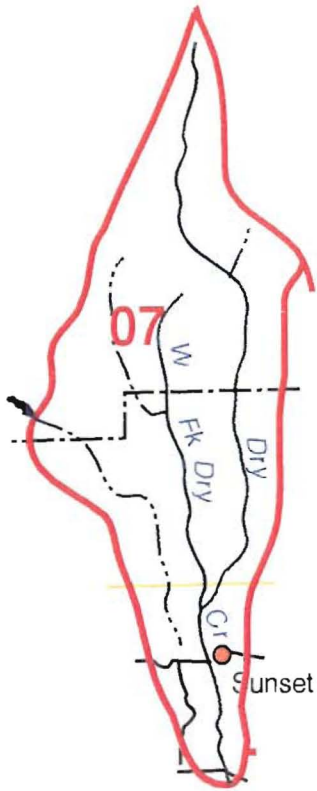
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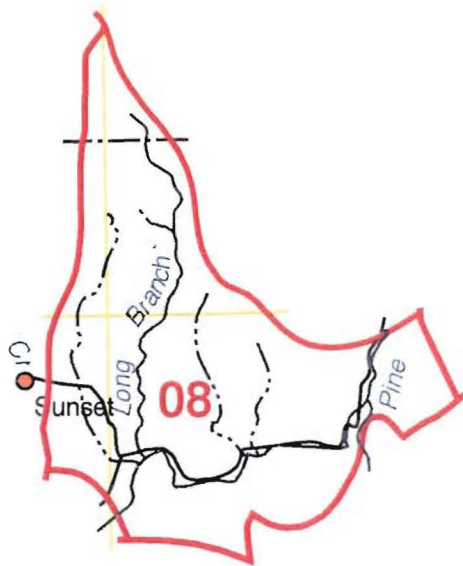
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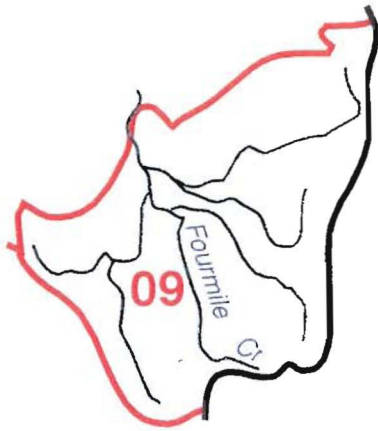
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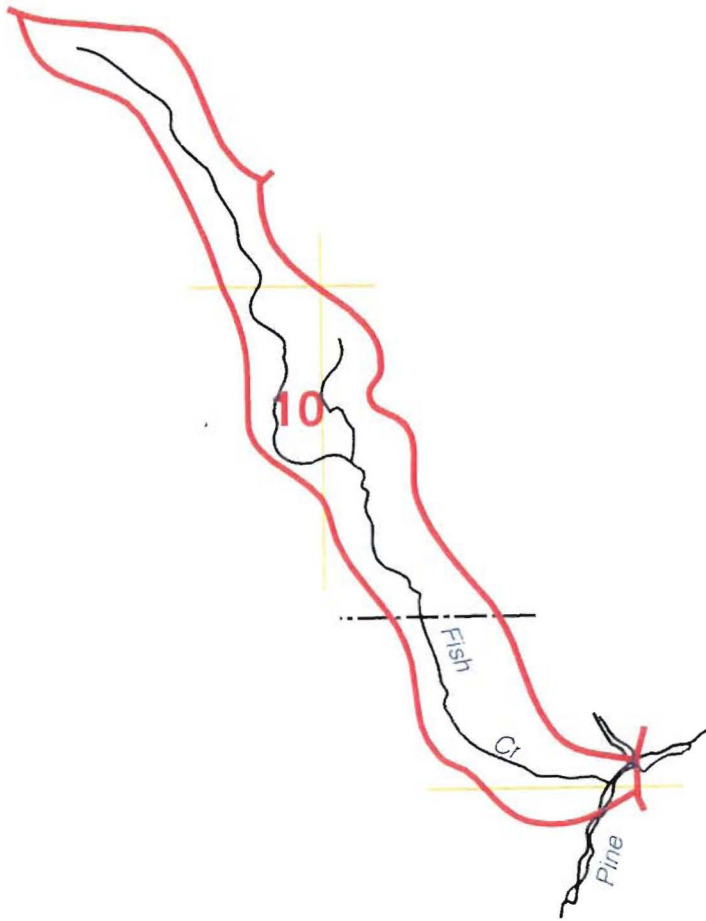
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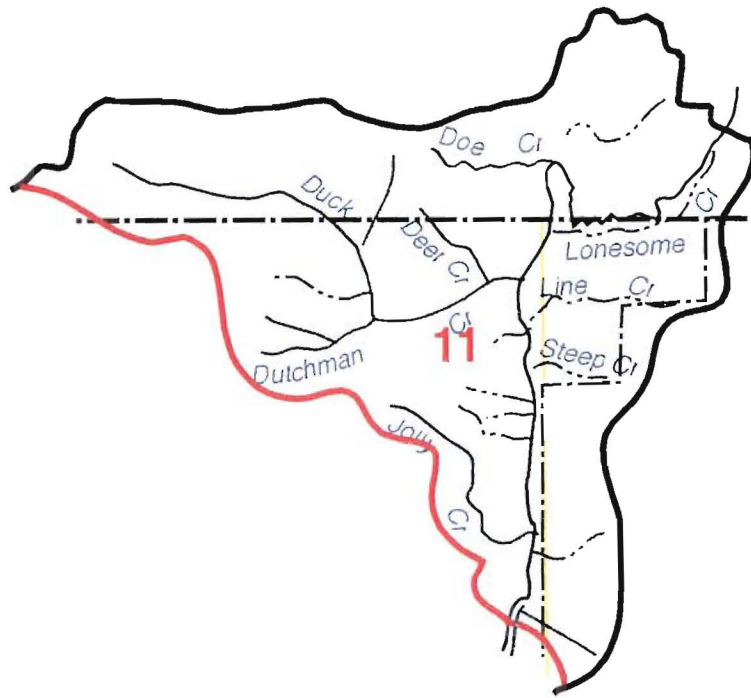
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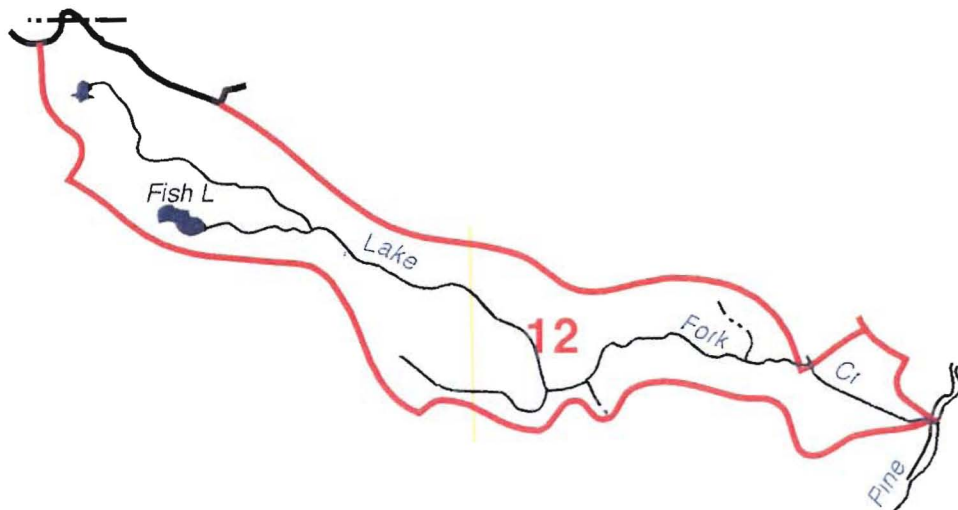
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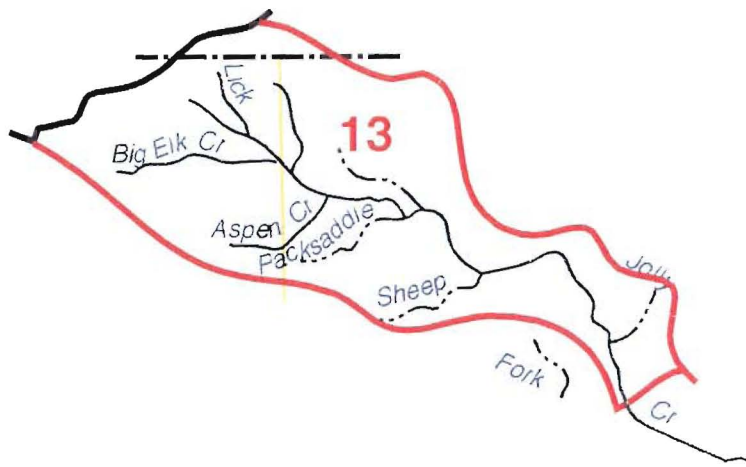
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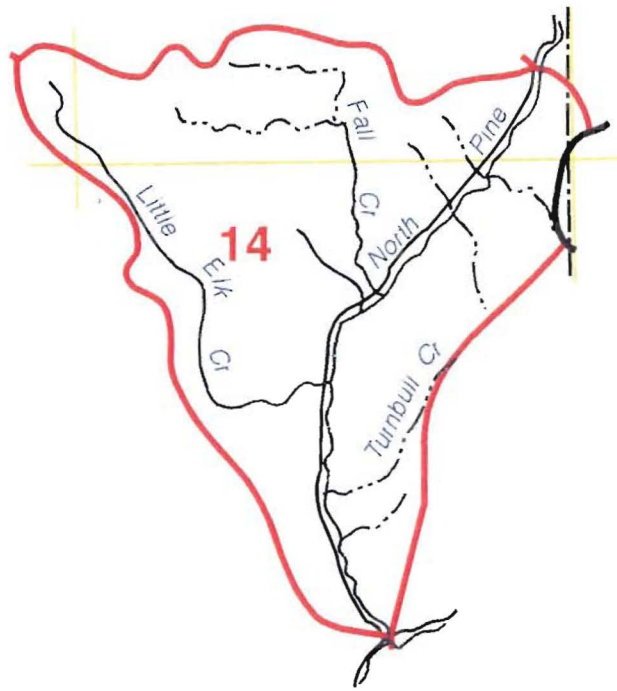
UPPER NORTH PINE CREEK



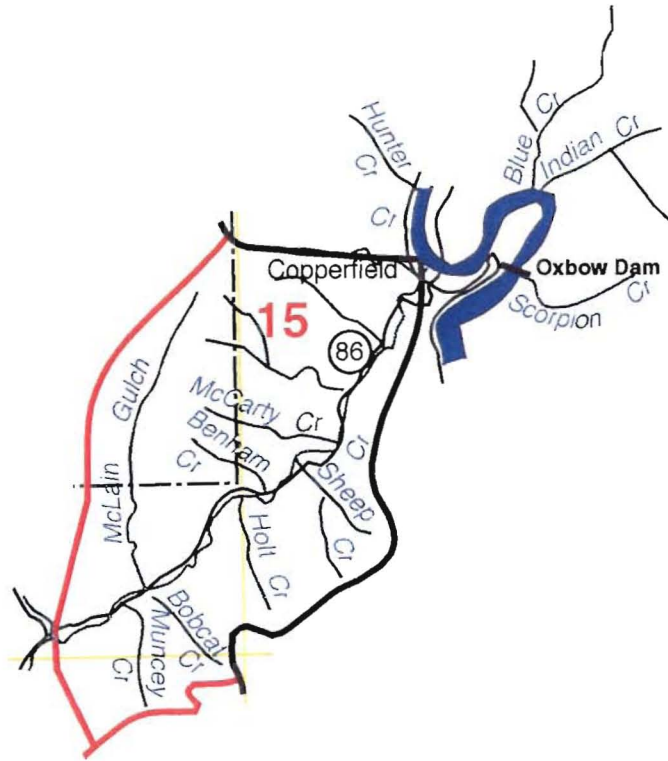
LAKE CREEK



ELK CREEK



LOWER NORTH PINE CREEK



LOWER PINE CREEK

APPENDIX C

OWRD 50 Percent Exceedence Tables

OWRD 50 Percent Exceedence Tables

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PINE CR @ mouth WAB #01

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Page 1A of Water Availability Tables

Total Pages: 1

WATER AVAILABILITY TABLE

Basin: POWDER Exceedence Level: 50
 Water Availability Subbasin: 0100000000000000 (and Nested Subbasins)
 Time: 13:59 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0100000000000000 (and Nested Subbasins)
 Time: 13:59 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0100000000000000
 Basin: POWDER Exceedence Level: 50
 Time: 13:59 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0100000000000000	PINE CR @ mouth	YES	95.9
2	0100000000000000	PINE CR @ mouth	YES	201.0
3	0100000000000000	PINE CR @ mouth	YES	363.0
4	0100000000000000	PINE CR @ mouth	YES	484.0
5	0100000000000000	PINE CR @ mouth	YES	732.0
6	0100000000000000	PINE CR @ mouth	YES	651.0
7	0100000000000000	PINE CR @ mouth	YES	32.4
8	0100000000000000	PINE CR @ mouth	NO	-20.2
9	0100000000000000	PINE CR @ mouth	NO	-11.1
10	0100000000000000	PINE CR @ mouth	YES	9.4
11	0100000000000000	PINE CR @ mouth	YES	47.0
12	0100000000000000	PINE CR @ mouth	YES	106.0
Stor	0100000000000000	PINE CR @ mouth	YES	163000.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER

Exceedance Level: 50

Stream: PINE CR @ mouth

Water Availability Subbasin: 0100000000000000

ID Number: 13290190

Time: 13:59

Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	157.00	1.00	156.00	.05	155.90	60.00	95.90
2	283.00	2.00	281.00	.10	281.00	80.00	201.00
3	471.00	8.00	463.00	.20	463.00	100.00	363.00
4	627.00	41.00	586.00	1.80	584.00	100.00	484.00
5	889.00	55.00	834.00	1.71	832.00	100.00	732.00
6	819.00	66.00	753.00	1.54	751.00	100.00	651.00
7	176.00	82.50	93.50	1.06	92.40	60.00	32.40
8	101.00	60.10	40.90	1.05	39.80	60.00	-20.20
9	91.60	41.70	49.90	1.05	48.90	60.00	-11.10
10	91.80	22.40	69.40	.03	69.37	60.00	9.37
11	108.00	1.00	107.00	.03	107.00	60.00	47.00
12	167.00	1.00	166.00	.06	166.00	60.00	106.00
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRs

Basin: POWDER

Stream: PINE CR @ mouth

Water Availability Subbasin: 0100000000000000

Time: 13:59

Date: 11/10/1999

APP #	ISWRs				RESULTANT
	242A	72189A	0	0	
STATUS	Cert.	Cert.			
1	40.00	60.00	.00	.00	60.00C
2	40.00	80.00	.00	.00	80.00C
3	100.00	100.00	.00	.00	100.00C
4	100.00	100.00	.00	.00	100.00C
5	100.00	100.00	.00	.00	100.00C
6	100.00	100.00	.00	.00	100.00C
7	40.00	60.00	.00	.00	60.00C
8	40.00	60.00	.00	.00	60.00C
9	40.00	60.00	.00	.00	60.00C
10	40.00	60.00	.00	.00	60.00C
11	40.00	60.00	.00	.00	60.00C
12	40.00	60.00	.00	.00	60.00C

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NORTH PINE CREEK @ mouth WAB #0101

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Page 2A of Water Availability Tables

Total Pages: 3

WATER AVAILABILITY TABLE

Basin: POWDER Exceedance Level: 50
 Water Availability Subbasin: 0101000000000000 (and Nested Subbasins)
 Time: 14:09 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES
2	0101000000000000	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0101000000000000 (and Nested Subbasins)
 Time: 14:09 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth
0101000000000000	N PINE CR @ mouth

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0101000000000000
 Basin: POWDER Exceedance Level: 50
 Time: 14:09 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0101000000000000	N PINE CR @ mouth	YES	29.2
2	0101000000000000	N PINE CR @ mouth	YES	68.7
3	0101000000000000	N PINE CR @ mouth	YES	103.0
4	0101000000000000	N PINE CR @ mouth	YES	148.0
5	0101000000000000	N PINE CR @ mouth	YES	229.0
6	0101000000000000	N PINE CR @ mouth	YES	206.0
7	0101000000000000	N PINE CR @ mouth	YES	27.3
8	0100000000000000	PINE CR @ mouth	NO	-20.2
9	0100000000000000	PINE CR @ mouth	NO	-11.1
10	0101000000000000	N PINE CR @ mouth	YES	8.8
11	0101000000000000	N PINE CR @ mouth	YES	13.9
12	0101000000000000	N PINE CR @ mouth	YES	32.3
Stor	0101000000000000	N PINE CR @ mouth	YES	51900.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 50
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000 ID Number: 13290190
 Time: 14:09 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	157.00	1.00	156.00	.05	155.90	60.00	95.90
2	283.00	2.00	281.00	.10	281.00	80.00	201.00
3	471.00	8.00	463.00	.20	463.00	100.00	363.00
4	627.00	41.00	586.00	1.80	584.00	100.00	484.00
5	889.00	55.00	834.00	1.71	832.00	100.00	732.00
6	819.00	66.00	753.00	1.54	751.00	100.00	651.00
7	176.00	82.50	93.50	1.06	92.40	60.00	32.40
8	101.00	60.10	40.90	1.05	39.80	60.00	-20.20
9	91.60	41.70	49.90	1.05	48.90	60.00	-11.10
10	91.80	22.40	69.40	.03	69.37	60.00	9.37
11	108.00	1.00	107.00	.03	107.00	60.00	47.00
12	167.00	1.00	166.00	.06	166.00	60.00	106.00
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRs

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 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000
 Time: 14:09 Date: 11/10/1999

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1	40.00	60.00	.00	60.00C
2	40.00	80.00	.00	80.00C
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4	100.00	100.00	.00	100.00C
5	100.00	100.00	.00	100.00C
6	100.00	100.00	.00	100.00C
7	40.00	60.00	.00	60.00C
8	40.00	60.00	.00	60.00C
9	40.00	60.00	.00	60.00C
10	40.00	60.00	.00	60.00C
11	40.00	60.00	.00	60.00C
12	40.00	60.00	.00	60.00C

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER

Exceedance Level: 50

Stream: N PINE CR @ mouth

Water Availability Subbasin: 0101000000000000

ID Number: 241

Time: 14:09

Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	49.90	.71	49.20	.00	49.20	20.00	29.20
2	90.00	1.28	88.70	.00	88.70	20.00	68.70
3	150.00	2.14	148.00	.00	148.00	45.00	103.00
4	199.00	6.29	193.00	.00	193.00	45.00	148.00
5	283.00	8.77	274.00	.00	274.00	45.00	229.00
6	261.00	9.74	251.00	.00	251.00	45.00	206.00
7	56.00	8.75	47.30	.00	47.30	20.00	27.30
8	32.10	6.23	25.90	.00	25.90	20.00	5.90
9	29.10	4.40	24.70	.00	24.70	20.00	4.70
10	29.20	.42	28.80	.00	28.80	20.00	8.80
11	34.40	.49	33.90	.00	33.90	20.00	13.90
12	53.10	.76	52.30	.00	52.30	20.00	32.30
Stor	75900	2990	72900	0	72900	20400	52500

DETAILED REPORT OF ISWRs

Basin: POWDER

Stream: N PINE CR @ mouth

Water Availability Subbasin: 0101000000000000

Time: 14:09

Date: 11/10/1999

APP #	241A	ISWRs				RESULTANT
		0	0	0	0	
STATUS	Cert.					
1	20.00	.00	.00	.00	.00	20.00C
2	20.00	.00	.00	.00	.00	20.00C
3	45.00	.00	.00	.00	.00	45.00C
4	45.00	.00	.00	.00	.00	45.00C
5	45.00	.00	.00	.00	.00	45.00C
6	45.00	.00	.00	.00	.00	45.00C
7	20.00	.00	.00	.00	.00	20.00C
8	20.00	.00	.00	.00	.00	20.00C
9	20.00	.00	.00	.00	.00	20.00C
10	20.00	.00	.00	.00	.00	20.00C
11	20.00	.00	.00	.00	.00	20.00C
12	20.00	.00	.00	.00	.00	20.00C

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PINE CREEK above Long Branch Creek WAB #0102

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Page 3A of Water Availability Tables

Total Pages: 6

WATER AVAILABILITY TABLE

Basin: POWDER Exceedance Level: 50
 Water Availability Subbasin: 0102000000000000 (and Nested Subbasins)
 Time: 14:10 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES
2	0102000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0102000000000000 (and Nested Subbasins)
 Time: 14:10 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth
0102000000000000	PINE CR ab LONG BR

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0102000000000000
 Basin: POWDER Exceedance Level: 50
 Time: 14:10 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0102000000000000	PINE CR ab LONG BR	YES	49.6
2	0102000000000000	PINE CR ab LONG BR	YES	112.0
3	0102000000000000	PINE CR ab LONG BR	YES	204.0
4	0102000000000000	PINE CR ab LONG BR	YES	252.0
5	0102000000000000	PINE CR ab LONG BR	YES	388.0
6	0102000000000000	PINE CR ab LONG BR	YES	334.0
7	0102000000000000	PINE CR ab LONG BR	NO	-30.6
8	0102000000000000	PINE CR ab LONG BR	NO	-48.5
9	0102000000000000	PINE CR ab LONG BR	NO	-33.7
10	0100000000000000	PINE CR @ mouth	YES	9.4
11	0102000000000000	PINE CR ab LONG BR	YES	21.6
12	0102000000000000	PINE CR ab LONG BR	YES	55.3
Stor	0102000000000000	PINE CR ab LONG BR	YES	85400.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER

Exceedance Level: 50

Stream: PINE CR @ mouth

Water Availability Subbasin: 0100000000000000

ID Number: 13290190

Time: 14:10

Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	157.00	1.00	156.00	.05	155.90	60.00	95.90
2	283.00	2.00	281.00	.10	281.00	80.00	201.00
3	471.00	8.00	463.00	.20	463.00	100.00	363.00
4	627.00	41.00	586.00	1.80	584.00	100.00	484.00
5	889.00	55.00	834.00	1.71	832.00	100.00	732.00
6	819.00	66.00	753.00	1.54	751.00	100.00	651.00
7	176.00	82.50	93.50	1.06	92.40	60.00	32.40
8	101.00	60.10	40.90	1.05	39.80	60.00	-20.20
9	91.60	41.70	49.90	1.05	48.90	60.00	-11.10
10	91.80	22.40	69.40	.03	69.37	60.00	9.37
11	108.00	1.00	107.00	.03	107.00	60.00	47.00
12	167.00	1.00	166.00	.06	166.00	60.00	106.00
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRs

Basin: POWDER

Stream: PINE CR @ mouth

Water Availability Subbasin: 0100000000000000

Time: 14:10

Date: 11/10/1999

APP #	ISWRs			RESULTANT
	242A	72189A	0	
STATUS	Cert.	Cert.		
1	40.00	60.00	.00	60.00C
2	40.00	80.00	.00	80.00C
3	100.00	100.00	.00	100.00C
4	100.00	100.00	.00	100.00C
5	100.00	100.00	.00	100.00C
6	100.00	100.00	.00	100.00C
7	40.00	60.00	.00	60.00C
8	40.00	60.00	.00	60.00C
9	40.00	60.00	.00	60.00C
10	40.00	60.00	.00	60.00C
11	40.00	60.00	.00	60.00C
12	40.00	60.00	.00	60.00C

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 50
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000 ID Number: 70863
 Time: 14:10 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	90.50	.84	89.70	.05	89.60	40.00	49.60
2	163.00	1.33	162.00	.10	162.00	50.00	112.00
3	271.00	2.05	269.00	.20	269.00	65.00	204.00
4	361.00	41.60	319.00	1.80	317.00	65.00	252.00
5	512.00	57.10	455.00	1.71	453.00	65.00	388.00
6	472.00	71.40	401.00	1.54	399.00	65.00	334.00
7	101.00	90.50	10.50	1.06	9.40	40.00	-30.60
8	58.20	65.60	-7.43	1.05	-8.50	40.00	-48.50
9	52.80	45.50	7.30	1.05	6.30	40.00	-33.70
10	52.90	.59	52.30	.03	52.30	40.00	12.30
11	62.30	.65	61.60	.03	61.60	40.00	21.60
12	96.30	.88	95.40	.06	95.30	40.00	55.30
Stor	137000	22600	115000	520	115000	35300	85600

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000
 Time: 14:10 Date: 11/10/1999

APP #	70863A	ISWRs				RESULTANT
		0	0	0	0	
STATUS	App.					
1	40.00	.00	.00	.00	.00	40.00A
2	50.00	.00	.00	.00	.00	50.00A
3	65.00	.00	.00	.00	.00	65.00A
4	65.00	.00	.00	.00	.00	65.00A
5	65.00	.00	.00	.00	.00	65.00A
6	65.00	.00	.00	.00	.00	65.00A
7	40.00	.00	.00	.00	.00	40.00A
8	40.00	.00	.00	.00	.00	40.00A
9	40.00	.00	.00	.00	.00	40.00A
10	40.00	.00	.00	.00	.00	40.00A
11	40.00	.00	.00	.00	.00	40.00A
12	40.00	.00	.00	.00	.00	40.00A

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EAST PINE CREEK @ Pine Creek WAB #01021

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Page 4A of Water Availability Tables

Total Pages: 9

WATER AVAILABILITY TABLE

Basin: POWDER Exceedance Level: 50
 Water Availability Subbasin: 0102100000000000 (and Nested Subbasins)
 Time: 14:11 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES
2	0102000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES
3	0102100000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0102100000000000 (and Nested Subbasins)
 Time: 14:11 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth
0102000000000000	PINE CR ab LONG BR
0102100000000000	E PINE CR @ mouth

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0102100000000000
 Basin: POWDER Exceedance Level: 50
 Time: 14:11 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0102100000000000	E PINE CR @ mouth	YES	12.7
2	0102100000000000	E PINE CR @ mouth	YES	23.7
3	0102100000000000	E PINE CR @ mouth	YES	40.1
4	0102100000000000	E PINE CR @ mouth	YES	46.9
5	0102100000000000	E PINE CR @ mouth	YES	74.2
6	0102100000000000	E PINE CR @ mouth	YES	61.6
7	0102000000000000	PINE CR ab LONG BR	NO	-30.6
8	0102000000000000	PINE CR ab LONG BR	NO	-48.5
9	0102000000000000	PINE CR ab LONG BR	NO	-33.7
10	0102100000000000	E PINE CR @ mouth	YES	4.9
11	0102100000000000	E PINE CR @ mouth	YES	6.9
12	0102100000000000	E PINE CR @ mouth	YES	13.9
Stor	0102100000000000	E PINE CR @ mouth	YES	17100.0

OWRD 80 Percent Exceedence Tables

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PINE CR @ mouth WAB #01

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Page 1A of Water Availability Tables

Total Pages: 1

WATER AVAILABILITY TABLE

Basin: POWDER Exceedence Level: 80
 Water Availability Subbasin: 0100000000000000 (and Nested Subbasins)
 Time: 14:21 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0100000000000000 (and Nested Subbasins)
 Time: 14:21 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0100000000000000
 Basin: POWDER Exceedence Level: 80
 Time: 14:21 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0100000000000000	PINE CR @ mouth	YES	32.9
2	0100000000000000	PINE CR @ mouth	YES	56.9
3	0100000000000000	PINE CR @ mouth	YES	174.0
4	0100000000000000	PINE CR @ mouth	YES	290.0
5	0100000000000000	PINE CR @ mouth	YES	451.0
6	0100000000000000	PINE CR @ mouth	YES	237.0
7	0100000000000000	PINE CR @ mouth	NO	-18.4
8	0100000000000000	PINE CR @ mouth	NO	-31.1
9	0100000000000000	PINE CR @ mouth	NO	-27.8
10	0100000000000000	PINE CR @ mouth	NO	-8.9
11	0100000000000000	PINE CR @ mouth	YES	15.6
12	0100000000000000	PINE CR @ mouth	YES	31.7
Stor	0100000000000000	PINE CR @ mouth	YES	163000.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000 ID Number: 13290190
 Time: 14:21 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	94.40	1.40	93.00	.05	92.90	60.00	32.90
2	139.00	2.00	137.00	.10	136.90	80.00	56.90
3	282.00	8.00	274.00	.20	274.00	100.00	174.00
4	433.00	41.00	392.00	1.80	390.00	100.00	290.00
5	608.00	55.00	553.00	1.71	551.00	100.00	451.00
6	405.00	66.00	339.00	1.54	337.00	100.00	237.00
7	125.00	82.30	42.70	1.06	41.60	60.00	-18.40
8	89.80	59.80	30.00	1.05	28.90	60.00	-31.10
9	74.90	41.70	33.20	1.05	32.20	60.00	-27.80
10	73.50	22.40	51.10	.03	51.07	60.00	-8.93
11	76.80	1.20	75.60	.03	75.60	60.00	15.60
12	93.20	1.40	91.80	.06	91.70	60.00	31.70
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000 Date: 11/10/1999
 Time: 14:21

APP #	ISWRs				RESULTANT
	242A	72189A	0	0	
STATUS	Cert.	Cert.			
1	40.00	60.00	.00	.00	60.00C
2	40.00	80.00	.00	.00	80.00C
3	100.00	100.00	.00	.00	100.00C
4	100.00	100.00	.00	.00	100.00C
5	100.00	100.00	.00	.00	100.00C
6	100.00	100.00	.00	.00	100.00C
7	40.00	60.00	.00	.00	60.00C
8	40.00	60.00	.00	.00	60.00C
9	40.00	60.00	.00	.00	60.00C
10	40.00	60.00	.00	.00	60.00C
11	40.00	60.00	.00	.00	60.00C
12	40.00	60.00	.00	.00	60.00C

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NORTH PINE CREEK @ mouth WAB #0101

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Page 2A of Water Availability Tables

Total Pages: 3

WATER AVAILABILITY TABLE

Basin: POWDER Exceedance Level: 80
 Water Availability Subbasin: 0101000000000000 (and Nested Subbasins)
 Time: 14:22 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
2	0101000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0101000000000000 (and Nested Subbasins)
 Time: 14:22 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth
0101000000000000	N PINE CR @ mouth

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0101000000000000
 Basin: POWDER Exceedance Level: 80
 Time: 14:22 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0101000000000000	N PINE CR @ mouth	YES	9.3
2	0101000000000000	N PINE CR @ mouth	YES	22.9
3	0101000000000000	N PINE CR @ mouth	YES	42.6
4	0101000000000000	N PINE CR @ mouth	YES	87.0
5	0101000000000000	N PINE CR @ mouth	YES	139.0
6	0101000000000000	N PINE CR @ mouth	YES	74.0
7	0100000000000000	PINE CR @ mouth	NO	-18.4
8	0100000000000000	PINE CR @ mouth	NO	-31.1
9	0100000000000000	PINE CR @ mouth	NO	-27.8
10	0100000000000000	PINE CR @ mouth	NO	-8.9
11	0101000000000000	N PINE CR @ mouth	YES	3.9
12	0101000000000000	N PINE CR @ mouth	YES	8.9
Stor	0101000000000000	N PINE CR @ mouth	YES	51900.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000 ID Number: 13290190
 Time: 14:22 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	94.40	1.40	93.00	.05	92.90	60.00	32.90
2	139.00	2.00	137.00	.10	136.90	80.00	56.90
3	282.00	8.00	274.00	.20	274.00	100.00	174.00
4	433.00	41.00	392.00	1.80	390.00	100.00	290.00
5	608.00	55.00	553.00	1.71	551.00	100.00	451.00
6	405.00	66.00	339.00	1.54	337.00	100.00	237.00
7	125.00	82.30	42.70	1.06	41.60	60.00	-18.40
8	89.80	59.80	30.00	1.05	28.90	60.00	-31.10
9	74.90	41.70	33.20	1.05	32.20	60.00	-27.80
10	73.50	22.40	51.10	.03	51.07	60.00	-8.93
11	76.80	1.20	75.60	.03	75.60	60.00	15.60
12	93.20	1.40	91.80	.06	91.70	60.00	31.70
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000 Date: 11/10/1999
 Time: 14:22

ISWRs						
APP #	242A	72189A	0	0	0	RESULTANT
STATUS	Cert.	Cert.				
1	40.00	60.00	.00	.00	.00	60.00C
2	40.00	80.00	.00	.00	.00	80.00C
3	100.00	100.00	.00	.00	.00	100.00C
4	100.00	100.00	.00	.00	.00	100.00C
5	100.00	100.00	.00	.00	.00	100.00C
6	100.00	100.00	.00	.00	.00	100.00C
7	40.00	60.00	.00	.00	.00	60.00C
8	40.00	60.00	.00	.00	.00	60.00C
9	40.00	60.00	.00	.00	.00	60.00C
10	40.00	60.00	.00	.00	.00	60.00C
11	40.00	60.00	.00	.00	.00	60.00C
12	40.00	60.00	.00	.00	.00	60.00C

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: N PINE CR @ mouth
 Water Availability Subbasin: 0101000000000000 ID Number: 241
 Time: 14:22 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	30.00	.71	29.30	.00	29.30	20.00	9.30
2	44.20	1.28	42.90	.00	42.90	20.00	22.90
3	89.70	2.14	87.60	.00	87.60	45.00	42.60
4	138.00	6.29	132.00	.00	132.00	45.00	87.00
5	193.00	8.77	184.00	.00	184.00	45.00	139.00
6	129.00	9.74	119.00	.00	119.00	45.00	74.00
7	39.80	8.75	31.10	.00	31.10	20.00	11.10
8	28.60	6.23	22.40	.00	22.40	20.00	2.40
9	23.80	4.40	19.40	.00	19.40	20.00	-.60
10	23.40	.42	23.00	.00	23.00	20.00	3.00
11	24.40	.49	23.90	.00	23.90	20.00	3.90
12	29.70	.76	28.90	.00	28.90	20.00	8.90
Stor	75900	2990	72900	0	72900	20400	52500

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: N PINE CR @ mouth
 Water Availability Subbasin: 0101000000000000 Date: 11/10/1999
 Time: 14:22

-----ISWRs-----						
APP #	241A	0	0	0	0	RESULTANT
STATUS	Cert.					
1	20.00	.00	.00	.00	.00	20.00C
2	20.00	.00	.00	.00	.00	20.00C
3	45.00	.00	.00	.00	.00	45.00C
4	45.00	.00	.00	.00	.00	45.00C
5	45.00	.00	.00	.00	.00	45.00C
6	45.00	.00	.00	.00	.00	45.00C
7	20.00	.00	.00	.00	.00	20.00C
8	20.00	.00	.00	.00	.00	20.00C
9	20.00	.00	.00	.00	.00	20.00C
10	20.00	.00	.00	.00	.00	20.00C
11	20.00	.00	.00	.00	.00	20.00C
12	20.00	.00	.00	.00	.00	20.00C

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PINE CREEK above Long Branch Creek WAB #0102

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Page 3A of Water Availability Tables

Total Pages: 6

WATER AVAILABILITY TABLE

Basin: POWDER Exceedance Level: 80
 Water Availability Subbasin: 0102000000000000 (and Nested Subbasins)
 Time: 14:22 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
2	0102000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0102000000000000 (and Nested Subbasins)
 Time: 14:22 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth
0102000000000000	PINE CR ab LONG BR

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0102000000000000
 Basin: POWDER Exceedance Level: 80
 Time: 14:22 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0102000000000000	PINE CR ab LONG BR	YES	13.5
2	0102000000000000	PINE CR ab LONG BR	YES	28.7
3	0102000000000000	PINE CR ab LONG BR	YES	95.8
4	0102000000000000	PINE CR ab LONG BR	YES	141.0
5	0102000000000000	PINE CR ab LONG BR	YES	226.0
6	0102000000000000	PINE CR ab LONG BR	YES	95.5
7	0102000000000000	PINE CR ab LONG BR	NO	-59.5
8	0102000000000000	PINE CR ab LONG BR	NO	-54.9
9	0102000000000000	PINE CR ab LONG BR	NO	-43.3
10	0100000000000000	PINE CR @ mouth	NO	-8.9
11	0102000000000000	PINE CR ab LONG BR	YES	3.6
12	0102000000000000	PINE CR ab LONG BR	YES	12.7
Stor	0102000000000000	PINE CR ab LONG BR	YES	85400.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER

Exceedance Level: 80

Stream: PINE CR @ mouth

Water Availability Subbasin: 0100000000000000

ID Number: 13290190

Time: 14:22

Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	94.40	1.40	93.00	.05	92.90	60.00	32.90
2	139.00	2.00	137.00	.10	136.90	80.00	56.90
3	282.00	8.00	274.00	.20	274.00	100.00	174.00
4	433.00	41.00	392.00	1.80	390.00	100.00	290.00
5	608.00	55.00	553.00	1.71	551.00	100.00	451.00
6	405.00	66.00	339.00	1.54	337.00	100.00	237.00
7	125.00	82.30	42.70	1.06	41.60	60.00	-18.40
8	89.80	59.80	30.00	1.05	28.90	60.00	-31.10
9	74.90	41.70	33.20	1.05	32.20	60.00	-27.80
10	73.50	22.40	51.10	.03	51.07	60.00	-8.93
11	76.80	1.20	75.60	.03	75.60	60.00	15.60
12	93.20	1.40	91.80	.06	91.70	60.00	31.70
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRs

Basin: POWDER

Stream: PINE CR @ mouth

Water Availability Subbasin: 0100000000000000

Time: 14:22

Date: 11/10/1999

-----ISWRs-----							
APP #	242A	72189A	0	0	0	RESULTANT	
STATUS	Cert.	Cert.					
1	40.00	60.00	.00	.00	.00	60.00C	
2	40.00	80.00	.00	.00	.00	80.00C	
3	100.00	100.00	.00	.00	.00	100.00C	
4	100.00	100.00	.00	.00	.00	100.00C	
5	100.00	100.00	.00	.00	.00	100.00C	
6	100.00	100.00	.00	.00	.00	100.00C	
7	40.00	60.00	.00	.00	.00	60.00C	
8	40.00	60.00	.00	.00	.00	60.00C	
9	40.00	60.00	.00	.00	.00	60.00C	
10	40.00	60.00	.00	.00	.00	60.00C	
11	40.00	60.00	.00	.00	.00	60.00C	
12	40.00	60.00	.00	.00	.00	60.00C	

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000 ID Number: 70863
 Time: 14:22 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	54.40	.84	53.60	.05	53.50	40.00	13.50
2	80.10	1.33	78.80	.10	78.70	50.00	28.70
3	163.00	2.05	161.00	.20	160.80	65.00	95.80
4	250.00	41.60	208.00	1.80	206.00	65.00	141.00
5	350.00	57.10	293.00	1.71	291.00	65.00	226.00
6	233.00	71.40	162.00	1.54	160.50	65.00	95.50
7	72.10	90.50	-18.40	1.06	-19.50	40.00	-59.50
8	51.80	65.60	-13.80	1.05	-14.90	40.00	-54.90
9	43.20	45.50	-2.30	1.05	-3.30	40.00	-43.30
10	42.40	.59	41.80	.03	41.77	40.00	1.77
11	44.30	.65	43.60	.03	43.57	40.00	3.57
12	53.70	.88	52.80	.06	52.70	40.00	12.70
Stor	137000	22600	115000	520	115000	35300	85600

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000
 Time: 14:22 Date: 11/10/1999

APP #	70863A	0	0	0	0	RESULTANT
STATUS	App.					
1	40.00	.00	.00	.00	.00	40.00A
2	50.00	.00	.00	.00	.00	50.00A
3	65.00	.00	.00	.00	.00	65.00A
4	65.00	.00	.00	.00	.00	65.00A
5	65.00	.00	.00	.00	.00	65.00A
6	65.00	.00	.00	.00	.00	65.00A
7	40.00	.00	.00	.00	.00	40.00A
8	40.00	.00	.00	.00	.00	40.00A
9	40.00	.00	.00	.00	.00	40.00A
10	40.00	.00	.00	.00	.00	40.00A
11	40.00	.00	.00	.00	.00	40.00A
12	40.00	.00	.00	.00	.00	40.00A

=====

EAST PINE CREEK @ Pine Creek WAB #01021

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Page 4A of Water Availability Tables

Total Pages: 9

WATER AVAILABILITY TABLE

Basin: POWDER Exceedance Level: 80
 Water Availability Subbasin: 0102100000000000 (and Nested Subbasins)
 Time: 14:23 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
2	0102000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
3	0102100000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0102100000000000 (and Nested Subbasins)
 Time: 14:23 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth
0102000000000000	PINE CR ab LONG BR
0102100000000000	E PINE CR @ mouth

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0102100000000000
 Basin: POWDER Exceedance Level: 80
 Time: 14:23 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0102100000000000	E PINE CR @ mouth	YES	5.1
2	0102100000000000	E PINE CR @ mouth	YES	6.4
3	0102100000000000	E PINE CR @ mouth	YES	17.4
4	0102100000000000	E PINE CR @ mouth	YES	23.6
5	0102100000000000	E PINE CR @ mouth	YES	40.2
6	0102100000000000	E PINE CR @ mouth	YES	11.9
7	0102000000000000	PINE CR ab LONG BR	NO	-59.5
8	0102000000000000	PINE CR ab LONG BR	NO	-54.9
9	0102000000000000	PINE CR ab LONG BR	NO	-43.3
10	0100000000000000	PINE CR @ mouth	NO	-8.9
11	0102100000000000	E PINE CR @ mouth	YES	3.1
12	0102100000000000	E PINE CR @ mouth	YES	5.0
Stor	0102100000000000	E PINE CR @ mouth	YES	17100.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000 ID Number: 13290190
 Time: 14:23 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	94.40	1.40	93.00	.05	92.90	60.00	32.90
2	139.00	2.00	137.00	.10	136.90	80.00	56.90
3	282.00	8.00	274.00	.20	274.00	100.00	174.00
4	433.00	41.00	392.00	1.80	390.00	100.00	290.00
5	608.00	55.00	553.00	1.71	551.00	100.00	451.00
6	405.00	66.00	339.00	1.54	337.00	100.00	237.00
7	125.00	82.30	42.70	1.06	41.60	60.00	-18.40
8	89.80	59.80	30.00	1.05	28.90	60.00	-31.10
9	74.90	41.70	33.20	1.05	32.20	60.00	-27.80
10	73.50	22.40	51.10	.03	51.07	60.00	-8.93
11	76.80	1.20	75.60	.03	75.60	60.00	15.60
12	93.20	1.40	91.80	.06	91.70	60.00	31.70
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRS

Basin: POWDER
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000
 Time: 14:23 Date: 11/10/1999

APP #	242A	72189A	ISWRS			RESULTANT
			0	0	0	
STATUS	Cert.	Cert.				
1	40.00	60.00	.00	.00	.00	60.00C
2	40.00	80.00	.00	.00	.00	80.00C
3	100.00	100.00	.00	.00	.00	100.00C
4	100.00	100.00	.00	.00	.00	100.00C
5	100.00	100.00	.00	.00	.00	100.00C
6	100.00	100.00	.00	.00	.00	100.00C
7	40.00	60.00	.00	.00	.00	60.00C
8	40.00	60.00	.00	.00	.00	60.00C
9	40.00	60.00	.00	.00	.00	60.00C
10	40.00	60.00	.00	.00	.00	60.00C
11	40.00	60.00	.00	.00	.00	60.00C
12	40.00	60.00	.00	.00	.00	60.00C

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 010200000000000 ID Number: 70863
 Time: 14:23 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	54.40	.84	53.60	.05	53.50	40.00	13.50
2	80.10	1.33	78.80	.10	78.70	50.00	28.70
3	163.00	2.05	161.00	.20	160.80	65.00	95.80
4	250.00	41.60	208.00	1.80	206.00	65.00	141.00
5	350.00	57.10	293.00	1.71	291.00	65.00	226.00
6	233.00	71.40	162.00	1.54	160.50	65.00	95.50
7	72.10	90.50	-18.40	1.06	-19.50	40.00	-59.50
8	51.80	65.60	-13.80	1.05	-14.90	40.00	-54.90
9	43.20	45.50	-2.30	1.05	-3.30	40.00	-43.30
10	42.40	.59	41.80	.03	41.77	40.00	1.77
11	44.30	.65	43.60	.03	43.57	40.00	3.57
12	53.70	.88	52.80	.06	52.70	40.00	12.70
Stor	137000	22600	115000	520	115000	35300	85600

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 010200000000000 Date: 11/10/1999
 Time: 14:23

APP #	70863A	0	0	0	0	RESULTANT
STATUS	App.					
1	40.00	.00	.00	.00	.00	40.00A
2	50.00	.00	.00	.00	.00	50.00A
3	65.00	.00	.00	.00	.00	65.00A
4	65.00	.00	.00	.00	.00	65.00A
5	65.00	.00	.00	.00	.00	65.00A
6	65.00	.00	.00	.00	.00	65.00A
7	40.00	.00	.00	.00	.00	40.00A
8	40.00	.00	.00	.00	.00	40.00A
9	40.00	.00	.00	.00	.00	40.00A
10	40.00	.00	.00	.00	.00	40.00A
11	40.00	.00	.00	.00	.00	40.00A
12	40.00	.00	.00	.00	.00	40.00A

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: E PINE CR @ mouth
 Water Availability Subbasin: 0102100000000000 ID Number: 70870
 Time: 14:23 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	11.30	.17	11.10	.00	11.10	6.00	5.10
2	16.70	.30	16.40	.00	16.40	10.00	6.40
3	33.90	.48	33.40	.02	33.40	16.00	17.40
4	52.00	12.00	40.00	.43	39.60	16.00	23.60
5	73.00	16.60	56.40	.18	56.20	16.00	40.20
6	48.60	20.70	27.90	.00	27.90	16.00	11.90
7	15.00	26.50	-11.50	.00	-11.50	6.00	-17.50
8	10.80	19.20	-8.36	.00	-8.40	6.00	-14.40
9	8.99	13.30	-4.28	.00	-4.30	6.00	-10.30
10	8.83	.11	8.72	.00	8.72	6.00	2.72
11	9.22	.13	9.09	.00	9.09	6.00	3.09
12	11.20	.18	11.00	.00	11.00	6.00	5.00
Stor	28600	6560	23000	38	22900	6950	17100

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: E PINE CR @ mouth
 Water Availability Subbasin: 0102100000000000
 Time: 14:23 Date: 11/10/1999

APP #	70870A	0	0	0	0	RESULTANT
STATUS	App.					
1	6.00	.00	.00	.00	.00	6.00A
2	10.00	.00	.00	.00	.00	10.00A
3	16.00	.00	.00	.00	.00	16.00A
4	16.00	.00	.00	.00	.00	16.00A
5	16.00	.00	.00	.00	.00	16.00A
6	16.00	.00	.00	.00	.00	16.00A
7	6.00	.00	.00	.00	.00	6.00A
8	6.00	.00	.00	.00	.00	6.00A
9	6.00	.00	.00	.00	.00	6.00A
10	6.00	.00	.00	.00	.00	6.00A
11	6.00	.00	.00	.00	.00	6.00A
12	6.00	.00	.00	.00	.00	6.00A

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CLEAR CREEK @ Pine Creek WAB #01022

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Page 5A of Water Availability Tables

Total Pages: 13

WATER AVAILABILITY TABLE

Basin: POWDER Exceedance Level: 80
 Water Availability Subbasin: 0102200000000000 (and Nested Subbasins)
 Time: 14:23 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
2	0102000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
3	0102200000000000	NO	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0102200000000000 (and Nested Subbasins)
 Time: 14:23 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth
0102000000000000	PINE CR ab LONG BR
0102200000000000	CLEAR CR @ mouth

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0102200000000000
 Basin: POWDER Exceedance Level: 80
 Time: 14:23 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0102200000000000	CLEAR CR @ mouth	NO	-2.0
2	0102200000000000	CLEAR CR @ mouth	YES	4.0
3	0102200000000000	CLEAR CR @ mouth	YES	13.6
4	0102200000000000	CLEAR CR @ mouth	YES	22.6
5	0102200000000000	CLEAR CR @ mouth	YES	42.1
6	0102200000000000	CLEAR CR @ mouth	YES	9.5
7	0102000000000000	PINE CR ab LONG BR	NO	-59.5
8	0102000000000000	PINE CR ab LONG BR	NO	-54.9
9	0102000000000000	PINE CR ab LONG BR	NO	-43.3
10	0100000000000000	PINE CR @ mouth	NO	-8.9
11	0102200000000000	CLEAR CR @ mouth	NO	-4.5
12	0102200000000000	CLEAR CR @ mouth	NO	-2.3
Stor	0102200000000000	CLEAR CR @ mouth	YES	16600.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000 ID Number: 13290190
 Time: 14:23 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	94.40	1.40	93.00	.05	92.90	60.00	32.90
2	139.00	2.00	137.00	.10	136.90	80.00	56.90
3	282.00	8.00	274.00	.20	274.00	100.00	174.00
4	433.00	41.00	392.00	1.80	390.00	100.00	290.00
5	608.00	55.00	553.00	1.71	551.00	100.00	451.00
6	405.00	66.00	339.00	1.54	337.00	100.00	237.00
7	125.00	82.30	42.70	1.06	41.60	60.00	-18.40
8	89.80	59.80	30.00	1.05	28.90	60.00	-31.10
9	74.90	41.70	33.20	1.05	32.20	60.00	-27.80
10	73.50	22.40	51.10	.03	51.07	60.00	-8.93
11	76.80	1.20	75.60	.03	75.60	60.00	15.60
12	93.20	1.40	91.80	.06	91.70	60.00	31.70
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000
 Time: 14:23 Date: 11/10/1999

APP #	242A	72189A	ISWRs			RESULTANT
			0	0	0	
STATUS	Cert.	Cert.				
1	40.00	60.00	.00	.00	.00	60.00C
2	40.00	80.00	.00	.00	.00	80.00C
3	100.00	100.00	.00	.00	.00	100.00C
4	100.00	100.00	.00	.00	.00	100.00C
5	100.00	100.00	.00	.00	.00	100.00C
6	100.00	100.00	.00	.00	.00	100.00C
7	40.00	60.00	.00	.00	.00	60.00C
8	40.00	60.00	.00	.00	.00	60.00C
9	40.00	60.00	.00	.00	.00	60.00C
10	40.00	60.00	.00	.00	.00	60.00C
11	40.00	60.00	.00	.00	.00	60.00C
12	40.00	60.00	.00	.00	.00	60.00C

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000 ID Number: 70863
 Time: 14:23 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	54.40	.84	53.60	.05	53.50	40.00	13.50
2	80.10	1.33	78.80	.10	78.70	50.00	28.70
3	163.00	2.05	161.00	.20	160.80	65.00	95.80
4	250.00	41.60	208.00	1.80	206.00	65.00	141.00
5	350.00	57.10	293.00	1.71	291.00	65.00	226.00
6	233.00	71.40	162.00	1.54	160.50	65.00	95.50
7	72.10	90.50	-18.40	1.06	-19.50	40.00	-59.50
8	51.80	65.60	-13.80	1.05	-14.90	40.00	-54.90
9	43.20	45.50	-2.30	1.05	-3.30	40.00	-43.30
10	42.40	.59	41.80	.03	41.77	40.00	1.77
11	44.30	.65	43.60	.03	43.57	40.00	3.57
12	53.70	.88	52.80	.06	52.70	40.00	12.70
Stor	137000	22600	115000	520	115000	35300	85600

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000
 Time: 14:23 Date: 11/10/1999

APP #	70863A	0	0	0	0	RESULTANT
STATUS	App.					
1	40.00	.00	.00	.00	.00	40.00A
2	50.00	.00	.00	.00	.00	50.00A
3	65.00	.00	.00	.00	.00	65.00A
4	65.00	.00	.00	.00	.00	65.00A
5	65.00	.00	.00	.00	.00	65.00A
6	65.00	.00	.00	.00	.00	65.00A
7	40.00	.00	.00	.00	.00	40.00A
8	40.00	.00	.00	.00	.00	40.00A
9	40.00	.00	.00	.00	.00	40.00A
10	40.00	.00	.00	.00	.00	40.00A
11	40.00	.00	.00	.00	.00	40.00A
12	40.00	.00	.00	.00	.00	40.00A

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: CLEAR CR @ mouth
 Water Availability Subbasin: 0102200000000000 ID Number: 235
 Time: 14:23 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	13.20	.24	13.00	.00	13.00	15.00	-2.00
2	19.40	.41	19.00	.00	19.00	15.00	4.00
3	39.30	.67	38.60	.00	38.60	25.00	13.60
4	60.40	12.70	47.70	.13	47.60	25.00	22.60
5	84.80	17.50	67.30	.18	67.10	25.00	42.10
6	56.50	21.80	34.70	.23	34.47	25.00	9.47
7	17.40	27.50	-10.10	.04	-10.10	15.00	-25.10
8	12.50	19.90	-7.41	.03	-7.40	15.00	-22.40
9	10.40	13.80	-3.40	.02	-3.40	15.00	-18.40
10	10.20	.15	10.00	.01	9.99	15.00	-5.01
11	10.70	.17	10.50	.00	10.50	15.00	-4.50
12	13.00	.25	12.70	.00	12.70	15.00	-2.30
Stor	33200	6890	27000	39	26900	13200	16600

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: CLEAR CR @ mouth
 Water Availability Subbasin: 0102200000000000
 Time: 14:23 Date: 11/10/1999

APP #	235A	0	0	0	0	RESULTANT
STATUS	Cert.					
1	15.00	.00	.00	.00	.00	15.00C
2	15.00	.00	.00	.00	.00	15.00C
3	25.00	.00	.00	.00	.00	25.00C
4	25.00	.00	.00	.00	.00	25.00C
5	25.00	.00	.00	.00	.00	25.00C
6	25.00	.00	.00	.00	.00	25.00C
7	15.00	.00	.00	.00	.00	15.00C
8	15.00	.00	.00	.00	.00	15.00C
9	15.00	.00	.00	.00	.00	15.00C
10	15.00	.00	.00	.00	.00	15.00C
11	15.00	.00	.00	.00	.00	15.00C
12	15.00	.00	.00	.00	.00	15.00C

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CLEAR CREEK above unnamed stream (NE Sec 8) WAB #010221

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Page 6A of Water Availability Tables

Total Pages: 17

WATER AVAILABILITY TABLE

Basin: POWDER Exceedance Level: 80
 Water Availability Subbasin: 0102210000000000 (and Nested Subbasins)
 Time: 14:24 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
2	0102000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
3	0102200000000000	NO	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	YES
4	0102210000000000	NO	NO	NO	YES	YES	YES	NO	NO	NO	NO	NO	NO	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0102210000000000 (and Nested Subbasins)
 Time: 14:24 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth
0102000000000000	PINE CR ab LONG BR
0102200000000000	CLEAR CR @ mouth
0102210000000000	CLEAR CR ab UNN STR

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0102210000000000
 Basin: POWDER Exceedance Level: 80
 Time: 14:24 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0102210000000000	CLEAR CR ab UNN STR	NO	-5.9
2	0102210000000000	CLEAR CR ab UNN STR	NO	-9.7
3	0102210000000000	CLEAR CR ab UNN STR	NO	-2.9
4	0102210000000000	CLEAR CR ab UNN STR	YES	11.7
5	0102210000000000	CLEAR CR ab UNN STR	YES	28.5
6	0102210000000000	CLEAR CR ab UNN STR	YES	8.5
7	0102000000000000	PINE CR ab LONG BR	NO	-59.5
8	0102000000000000	PINE CR ab LONG BR	NO	-54.9
9	0102000000000000	PINE CR ab LONG BR	NO	-43.3
10	0100000000000000	PINE CR @ mouth	NO	-8.9
11	0102200000000000	CLEAR CR @ mouth	NO	-4.5
12	0102210000000000	CLEAR CR ab UNN STR	NO	-6.1
Stor	0102210000000000	CLEAR CR ab UNN STR	YES	9430.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000 ID Number: 13290190
 Time: 14:24 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	94.40	1.40	93.00	.05	92.90	60.00	32.90
2	139.00	2.00	137.00	.10	136.90	80.00	56.90
3	282.00	8.00	274.00	.20	274.00	100.00	174.00
4	433.00	41.00	392.00	1.80	390.00	100.00	290.00
5	608.00	55.00	553.00	1.71	551.00	100.00	451.00
6	405.00	66.00	339.00	1.54	337.00	100.00	237.00
7	125.00	82.30	42.70	1.06	41.60	60.00	-18.40
8	89.80	59.80	30.00	1.05	28.90	60.00	-31.10
9	74.90	41.70	33.20	1.05	32.20	60.00	-27.80
10	73.50	22.40	51.10	.03	51.07	60.00	-8.93
11	76.80	1.20	75.60	.03	75.60	60.00	15.60
12	93.20	1.40	91.80	.06	91.70	60.00	31.70
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000 Date: 11/10/1999
 Time: 14:24

-ISWRs-						
APP #	242A	72189A	0	0	0	RESULTANT
STATUS	Cert.	Cert.				
1	40.00	60.00	.00	.00	.00	60.00C
2	40.00	80.00	.00	.00	.00	80.00C
3	100.00	100.00	.00	.00	.00	100.00C
4	100.00	100.00	.00	.00	.00	100.00C
5	100.00	100.00	.00	.00	.00	100.00C
6	100.00	100.00	.00	.00	.00	100.00C
7	40.00	60.00	.00	.00	.00	60.00C
8	40.00	60.00	.00	.00	.00	60.00C
9	40.00	60.00	.00	.00	.00	60.00C
10	40.00	60.00	.00	.00	.00	60.00C
11	40.00	60.00	.00	.00	.00	60.00C
12	40.00	60.00	.00	.00	.00	60.00C

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000 ID Number: 70863
 Time: 14:24 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	54.40	.84	53.60	.05	53.50	40.00	13.50
2	80.10	1.33	78.80	.10	78.70	50.00	28.70
3	163.00	2.05	161.00	.20	160.80	65.00	95.80
4	250.00	41.60	208.00	1.80	206.00	65.00	141.00
5	350.00	57.10	293.00	1.71	291.00	65.00	226.00
6	233.00	71.40	162.00	1.54	160.50	65.00	95.50
7	72.10	90.50	-18.40	1.06	-19.50	40.00	-59.50
8	51.80	65.60	-13.80	1.05	-14.90	40.00	-54.90
9	43.20	45.50	-2.30	1.05	-3.30	40.00	-43.30
10	42.40	.59	41.80	.03	41.77	40.00	1.77
11	44.30	.65	43.60	.03	43.57	40.00	3.57
12	53.70	.88	52.80	.06	52.70	40.00	12.70
Stor	137000	22600	115000	520	115000	35300	85600

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000 Date: 11/10/1999
 Time: 14:24

APP #	70863A	0	0	0	0	RESULTANT
STATUS	App.					
1	40.00	.00	.00	.00	.00	40.00A
2	50.00	.00	.00	.00	.00	50.00A
3	65.00	.00	.00	.00	.00	65.00A
4	65.00	.00	.00	.00	.00	65.00A
5	65.00	.00	.00	.00	.00	65.00A
6	65.00	.00	.00	.00	.00	65.00A
7	40.00	.00	.00	.00	.00	40.00A
8	40.00	.00	.00	.00	.00	40.00A
9	40.00	.00	.00	.00	.00	40.00A
10	40.00	.00	.00	.00	.00	40.00A
11	40.00	.00	.00	.00	.00	40.00A
12	40.00	.00	.00	.00	.00	40.00A

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: CLEAR CR @ mouth
 Water Availability Subbasin: 0102200000000000 ID Number: 235
 Time: 14:24 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	13.20	.24	13.00	.00	13.00	15.00	-2.00
2	19.40	.41	19.00	.00	19.00	15.00	4.00
3	39.30	.67	38.60	.00	38.60	25.00	13.60
4	60.40	12.70	47.70	.13	47.60	25.00	22.60
5	84.80	17.50	67.30	.18	67.10	25.00	42.10
6	56.50	21.80	34.70	.23	34.47	25.00	9.47
7	17.40	27.50	-10.10	.04	-10.10	15.00	-25.10
8	12.50	19.90	-7.41	.03	-7.40	15.00	-22.40
9	10.40	13.80	-3.40	.02	-3.40	15.00	-18.40
10	10.20	.15	10.00	.01	9.99	15.00	-5.01
11	10.70	.17	10.50	.00	10.50	15.00	-4.50
12	13.00	.25	12.70	.00	12.70	15.00	-2.30
Stor	33200	6890	27000	39	26900	13200	16600

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: CLEAR CR @ mouth
 Water Availability Subbasin: 0102200000000000
 Time: 14:24 Date: 11/10/1999

APP #	235A	0	ISWRs	0	0	0	RESULTANT
STATUS	Cert.						
1	15.00	.00	.00	.00	.00	.00	15.00C
2	15.00	.00	.00	.00	.00	.00	15.00C
3	25.00	.00	.00	.00	.00	.00	25.00C
4	25.00	.00	.00	.00	.00	.00	25.00C
5	25.00	.00	.00	.00	.00	.00	25.00C
6	25.00	.00	.00	.00	.00	.00	25.00C
7	15.00	.00	.00	.00	.00	.00	15.00C
8	15.00	.00	.00	.00	.00	.00	15.00C
9	15.00	.00	.00	.00	.00	.00	15.00C
10	15.00	.00	.00	.00	.00	.00	15.00C
11	15.00	.00	.00	.00	.00	.00	15.00C
12	15.00	.00	.00	.00	.00	.00	15.00C

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER
 Stream: CLEAR CR ab UNN STR
 Water Availability Subbasin: 0102210000000000
 Time: 14:24

Exceedance Level: 80
 ID Number: 72170
 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	9.28	.22	9.06	.00	9.06	15.00	-5.94
2	13.70	.39	13.30	.00	13.30	23.00	-9.70
3	27.70	.64	27.10	.00	27.10	30.00	-2.90
4	42.60	.93	41.70	.00	41.70	30.00	11.70
5	59.80	1.32	58.50	.00	58.50	30.00	28.50
6	39.80	1.26	38.50	.00	38.50	30.00	8.50
7	12.30	.43	11.90	.00	11.90	15.00	-3.10
8	8.83	.28	8.55	.00	8.55	9.93	-1.38
9	7.36	.22	7.14	.00	7.14	9.00	-1.86
10	7.23	.13	7.10	.00	7.10	9.02	-1.92
11	7.55	.15	7.40	.00	7.40	10.60	-3.20
12	9.16	.23	8.93	.00	8.93	15.00	-6.07
Stor	23400	371	23100	0	23100	13600	9550

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: CLEAR CR ab UNN STR
 Water Availability Subbasin: 0102210000000000
 Time: 14:24

Date: 11/10/1999

APP #	72170A	0	0	0	0	RESULTANT
STATUS	App.					
1	15.00	.00	.00	.00	.00	15.00A
2	23.00	.00	.00	.00	.00	23.00A
3	30.00	.00	.00	.00	.00	30.00A
4	30.00	.00	.00	.00	.00	30.00A
5	30.00	.00	.00	.00	.00	30.00A
6	30.00	.00	.00	.00	.00	30.00A
7	15.00	.00	.00	.00	.00	15.00A
8	9.93	.00	.00	.00	.00	9.93A
9	9.00	.00	.00	.00	.00	9.00A
10	9.02	.00	.00	.00	.00	9.02A
11	10.60	.00	.00	.00	.00	10.60A
12	15.00	.00	.00	.00	.00	15.00A

=====

PINE CREEK above Fuller Creek WAB #01023

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WATER AVAILABILITY TABLE

Basin: POWDER Exceedance Level: 80
 Water Availability Subbasin: 0102300000000000 (and Nested Subbasins)
 Time: 14:24 Date: 11/10/1999

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	0100000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
2	0102000000000000	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES
3	0102300000000000	NO	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	YES

STREAM NAMES

Basin: POWDER
 Water Availability Subbasin: 0102300000000000 (and Nested Subbasins)
 Time: 14:24 Date: 11/10/1999

WAB #	Stream Name
0100000000000000	PINE CR @ mouth
0102000000000000	PINE CR ab LONG BR
0102300000000000	PINE CR ab FULLER CR

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 0102300000000000
 Basin: POWDER Exceedance Level: 80
 Time: 14:24 Date: 11/10/1999

Mnth	Limiting Subbasin	Stream Name	Water Avail?	Net Water Available
1	0102300000000000	PINE CR ab FULLER CR	NO	-2.9
2	0102300000000000	PINE CR ab FULLER CR	YES	.3
3	0102300000000000	PINE CR ab FULLER CR	YES	21.4
4	0102300000000000	PINE CR ab FULLER CR	YES	47.7
5	0102300000000000	PINE CR ab FULLER CR	YES	79.0
6	0102300000000000	PINE CR ab FULLER CR	YES	41.4
7	0102000000000000	PINE CR ab LONG BR	NO	-59.5
8	0102000000000000	PINE CR ab LONG BR	NO	-54.9
9	0102000000000000	PINE CR ab LONG BR	NO	-43.3
10	0100000000000000	PINE CR @ mouth	NO	-8.9
11	0102300000000000	PINE CR ab FULLER CR	NO	-6.0
12	0102300000000000	PINE CR ab FULLER CR	NO	-3.1
Stor	0102300000000000	PINE CR ab FULLER CR	YES	26000.0

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000
 Time: 14:24

Exceedance Level: 80
 ID Number: 13290190
 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	94.40	1.40	93.00	.05	92.90	60.00	32.90
2	139.00	2.00	137.00	.10	136.90	80.00	56.90
3	282.00	8.00	274.00	.20	274.00	100.00	174.00
4	433.00	41.00	392.00	1.80	390.00	100.00	290.00
5	608.00	55.00	553.00	1.71	551.00	100.00	451.00
6	405.00	66.00	339.00	1.54	337.00	100.00	237.00
7	125.00	82.30	42.70	1.06	41.60	60.00	-18.40
8	89.80	59.80	30.00	1.05	28.90	60.00	-31.10
9	74.90	41.70	33.20	1.05	32.20	60.00	-27.80
10	73.50	22.40	51.10	.03	51.07	60.00	-8.93
11	76.80	1.20	75.60	.03	75.60	60.00	15.60
12	93.20	1.40	91.80	.06	91.70	60.00	31.70
Stor	238000	22900	216000	520	215000	53900	163000

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR @ mouth
 Water Availability Subbasin: 0100000000000000
 Time: 14:24

Date: 11/10/1999

ISWRs						
APP #	242A	72189A	0	0	0	RESULTANT
STATUS	Cert.	Cert.				
1	40.00	60.00	.00	.00	.00	60.00C
2	40.00	80.00	.00	.00	.00	80.00C
3	100.00	100.00	.00	.00	.00	100.00C
4	100.00	100.00	.00	.00	.00	100.00C
5	100.00	100.00	.00	.00	.00	100.00C
6	100.00	100.00	.00	.00	.00	100.00C
7	40.00	60.00	.00	.00	.00	60.00C
8	40.00	60.00	.00	.00	.00	60.00C
9	40.00	60.00	.00	.00	.00	60.00C
10	40.00	60.00	.00	.00	.00	60.00C
11	40.00	60.00	.00	.00	.00	60.00C
12	40.00	60.00	.00	.00	.00	60.00C

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER Exceedance Level: 80
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000 ID Number: 70863
 Time: 14:24 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	54.40	.84	53.60	.05	53.50	40.00	13.50
2	80.10	1.33	78.80	.10	78.70	50.00	28.70
3	163.00	2.05	161.00	.20	160.80	65.00	95.80
4	250.00	41.60	208.00	1.80	206.00	65.00	141.00
5	350.00	57.10	293.00	1.71	291.00	65.00	226.00
6	233.00	71.40	162.00	1.54	160.50	65.00	95.50
7	72.10	90.50	-18.40	1.06	-19.50	40.00	-59.50
8	51.80	65.60	-13.80	1.05	-14.90	40.00	-54.90
9	43.20	45.50	-2.30	1.05	-3.30	40.00	-43.30
10	42.40	.59	41.80	.03	41.77	40.00	1.77
11	44.30	.65	43.60	.03	43.57	40.00	3.57
12	53.70	.88	52.80	.06	52.70	40.00	12.70
Stor	137000	22600	115000	520	115000	35300	85600

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR ab LONG BR
 Water Availability Subbasin: 0102000000000000
 Time: 14:24 Date: 11/10/1999

ISWRs							
APP #	70863A	0	0	0	0	RESULTANT	
STATUS	App.						
1	40.00	.00	.00	.00	.00	40.00A	
2	50.00	.00	.00	.00	.00	50.00A	
3	65.00	.00	.00	.00	.00	65.00A	
4	65.00	.00	.00	.00	.00	65.00A	
5	65.00	.00	.00	.00	.00	65.00A	
6	65.00	.00	.00	.00	.00	65.00A	
7	40.00	.00	.00	.00	.00	40.00A	
8	40.00	.00	.00	.00	.00	40.00A	
9	40.00	.00	.00	.00	.00	40.00A	
10	40.00	.00	.00	.00	.00	40.00A	
11	40.00	.00	.00	.00	.00	40.00A	
12	40.00	.00	.00	.00	.00	40.00A	

DETAILED REPORT ON WATER AVAILABILITY

Basin: POWDER
 Stream: PINE CR ab FULLER CR
 Water Availability Subbasin: 0102300000000000
 Time: 14:24

Exceedance Level: 80
 ID Number: 70864
 Date: 11/10/1999

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Net Min. Flow 1/1/93	CU + Stor After 1/1/93	Net Min. Flow Now	Instream Water Rights	Net Water Available
1	17.40	.26	17.10	.00	17.10	20.00	-2.90
2	25.60	.35	25.30	.00	25.30	25.00	.30
3	51.90	.49	51.40	.00	51.40	30.00	21.40
4	79.70	1.97	77.70	.00	77.70	30.00	47.70
5	112.00	2.68	109.00	.00	109.00	30.00	79.00
6	74.50	3.14	71.40	.00	71.40	30.00	41.40
7	23.00	3.43	19.60	.00	19.60	20.00	-.40
8	16.50	2.51	14.00	.00	14.00	18.60	-4.60
9	13.80	1.79	12.00	.00	12.00	16.90	-4.90
10	13.50	.21	13.30	.00	13.30	16.90	-3.60
11	14.10	.22	13.90	.00	13.90	19.90	-6.00
12	17.20	.26	16.90	.00	16.90	20.00	-3.10
Stor	43900	1040	42900	0	42900	16600	26500

DETAILED REPORT OF ISWRs

Basin: POWDER
 Stream: PINE CR ab FULLER CR
 Water Availability Subbasin: 0102300000000000
 Time: 14:24

Date: 11/10/1999

-----ISWRs-----						
APP #	70864A	0	0	0	0	RESULTANT
STATUS	App.					
1	20.00	.00	.00	.00	.00	20.00A
2	25.00	.00	.00	.00	.00	25.00A
3	30.00	.00	.00	.00	.00	30.00A
4	30.00	.00	.00	.00	.00	30.00A
5	30.00	.00	.00	.00	.00	30.00A
6	30.00	.00	.00	.00	.00	30.00A
7	20.00	.00	.00	.00	.00	20.00A
8	18.60	.00	.00	.00	.00	18.60A
9	16.90	.00	.00	.00	.00	16.90A
10	16.90	.00	.00	.00	.00	16.90A
11	19.90	.00	.00	.00	.00	19.90A
12	20.00	.00	.00	.00	.00	20.00A