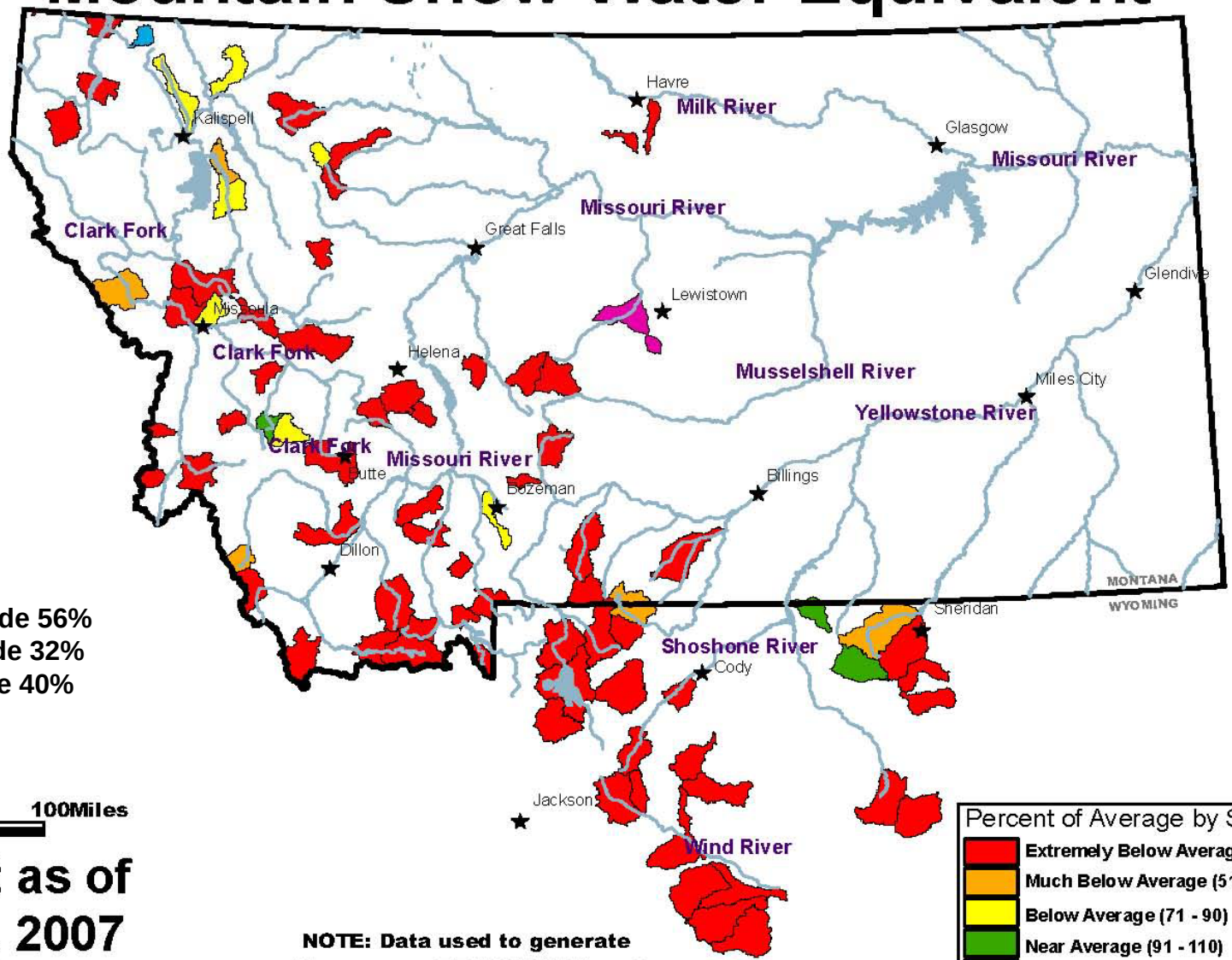
MONTANA NATURAL RESOURCES CONSERVATION SERVICE
GOVERNOR'S DROUGHT ADVISORY COMMITTEE REPORT
June 14, 2007

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Mountain Snow Water Equivalent



Snowpack

West Divide 56%
East Divide 32%
State-wide 40%

0 50 100Miles

Current as of June 1, 2007

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

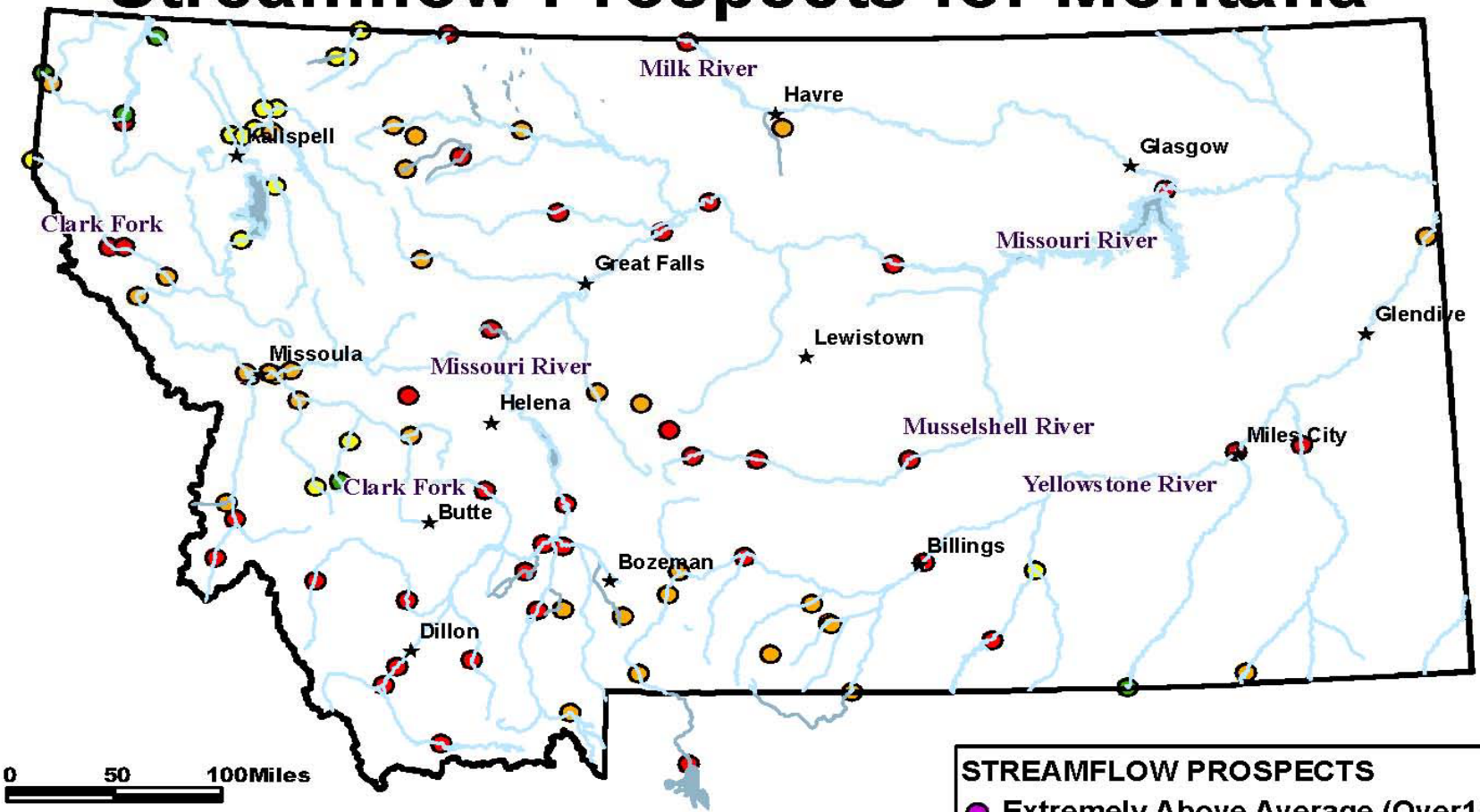
Percent of Average by Sub-Basin

- Extremely Below Average (Below 51)
- Much Below Average (51 - 70)
- Below Average (71 - 90)
- Near Average (91 - 110)
- Above Average (111 - 130)
- Much Above Average (131 - 150)
- Extremely Above Average (Over150)

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Streamflow Prospects for Montana



Current as of June 1, 2007

Streamflow Forecasts

West Divide 57% to 68%
East Divide 33% to 48%
State-wide 43% to 57%

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

STREAMFLOW PROSPECTS

- Extremely Above Average (Over150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

Surface Water Supply Index (SWSI) Values

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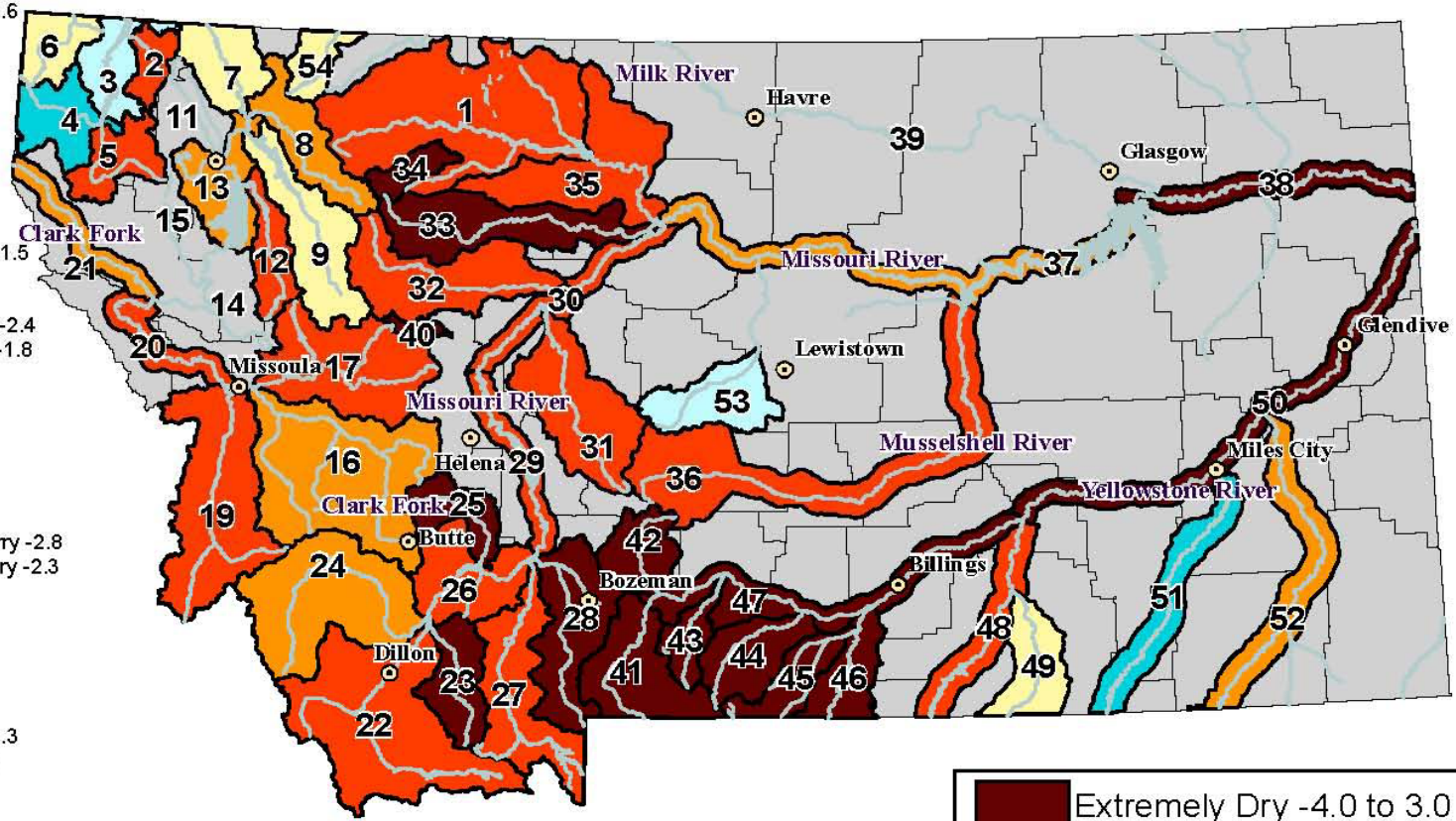
RIVER INDEX & SWSI VALUES

1 Marias above Tiber Reservoir -2
2 Tobacco -2
3 Kootenai Ft. Steele to Libby Dam 1.9
4 Kootenai below Libby Dam 2.6
5 Fisher -2.6
6 Yaak -0.8
7 North FK. Flathead 0.5
8 Middle FK. Flathead -1.4
9 South FK. Flathead 0.3
12 Swan -2
13 Flathead at Polson -1.7
14 Mission Valley
15 Little Bitterroot
16 Clark Fork above Milltown -1.5
17 Blackfoot -2.2
19 Bitterroot -2.6
20 Clark Fork below Bitterroot -2.4
21 Clark Fork below Flathead -1.8
22 Beaverhead -2
23 Ruby -3.5
24 Big Hole -1.8
25 Boulder (Jefferson) -3.3
26 Jefferson -2
27 Madison -2.6
28 Gallatin -3.1
29 Missouri above Canyon Ferry -2.8
30 Missouri below Canyon Ferry -2.3
31 Smith -2.3
32 Sun -2
33 Teton -3.4
34 Birch/Dupuyer Creeks -3.7
35 Marias -2.7
36 Musselshell -2.6
37 Missouriabove Fort Peck -1.3
38 Missouribelow Fort Peck -4
39 Milk
40 Dearbornnear Craig -3.6
41 Yellowstone above Livingston -3.2
42 Shields -3
43 Boulder(Yellowstone) -3.3
44 Stillwater -3.4
45 Rock/Red Lodge Creeks -3.6
46 Clarks Fork -3
47 Yellowstone above Bighorn -3.2
48 Bighorn below Bighorn Lake -2.7
49 Little Bighorn 0.9
50 Yellowstone below Bighorn -3
51 Tongue 2.7
52 Powder -1.1
53 Upper Judith River 1.5
54 Saint Mary River -0.8



Current as of June 1, 2007

0 45 90 Miles

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NRCS Natural Resources Conservation Service

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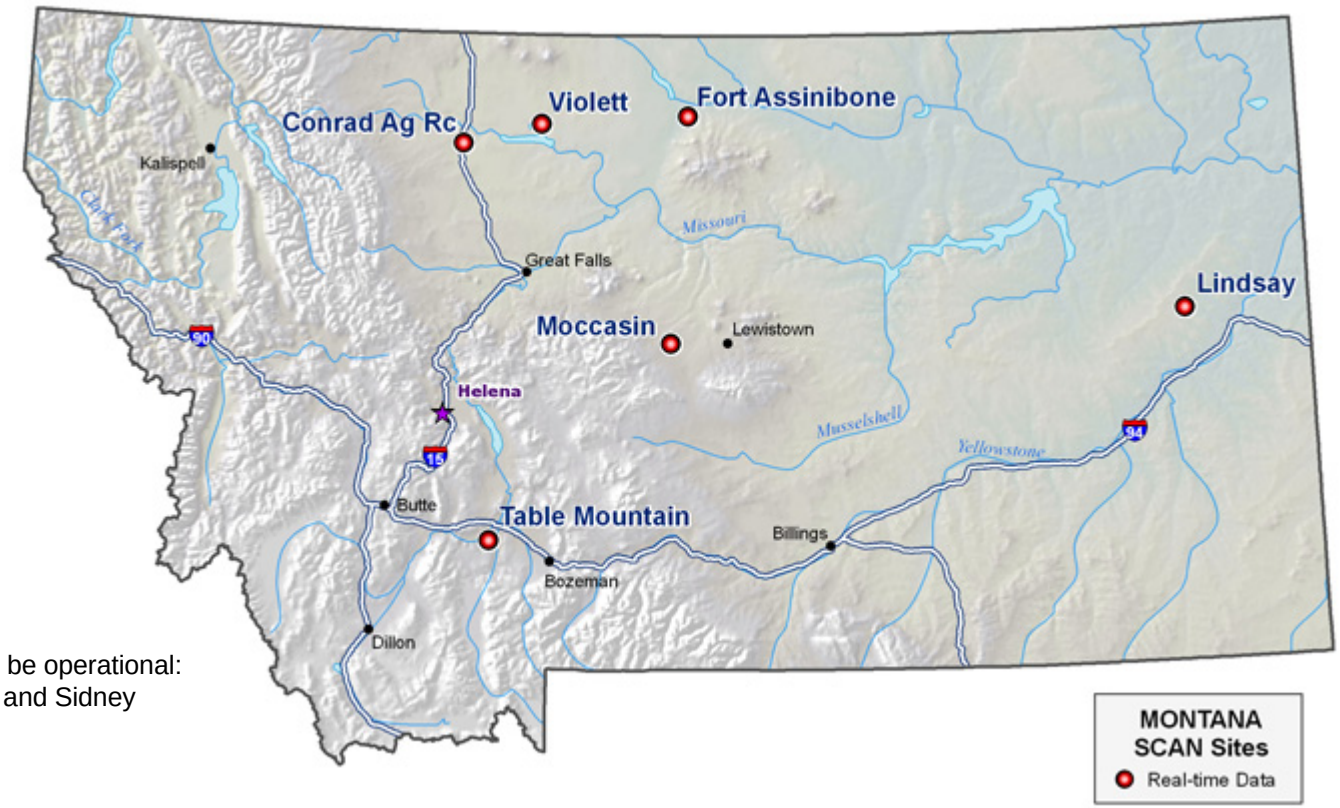
- Extremely Dry -4.0 to 3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Sightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Apllicable

SUMMARY

- Snowpack for this time of year is well below to extremely below (<50%) of average.
- Streamflow forecasts, June through July, are well below to extremely below average.
- Surface Water Supply Indexes in 14 watersheds have extremely dry (-3 to -4) indexes.

MONTANA SOIL CLIMATE ANALYSIS NETWORK (SCAN)



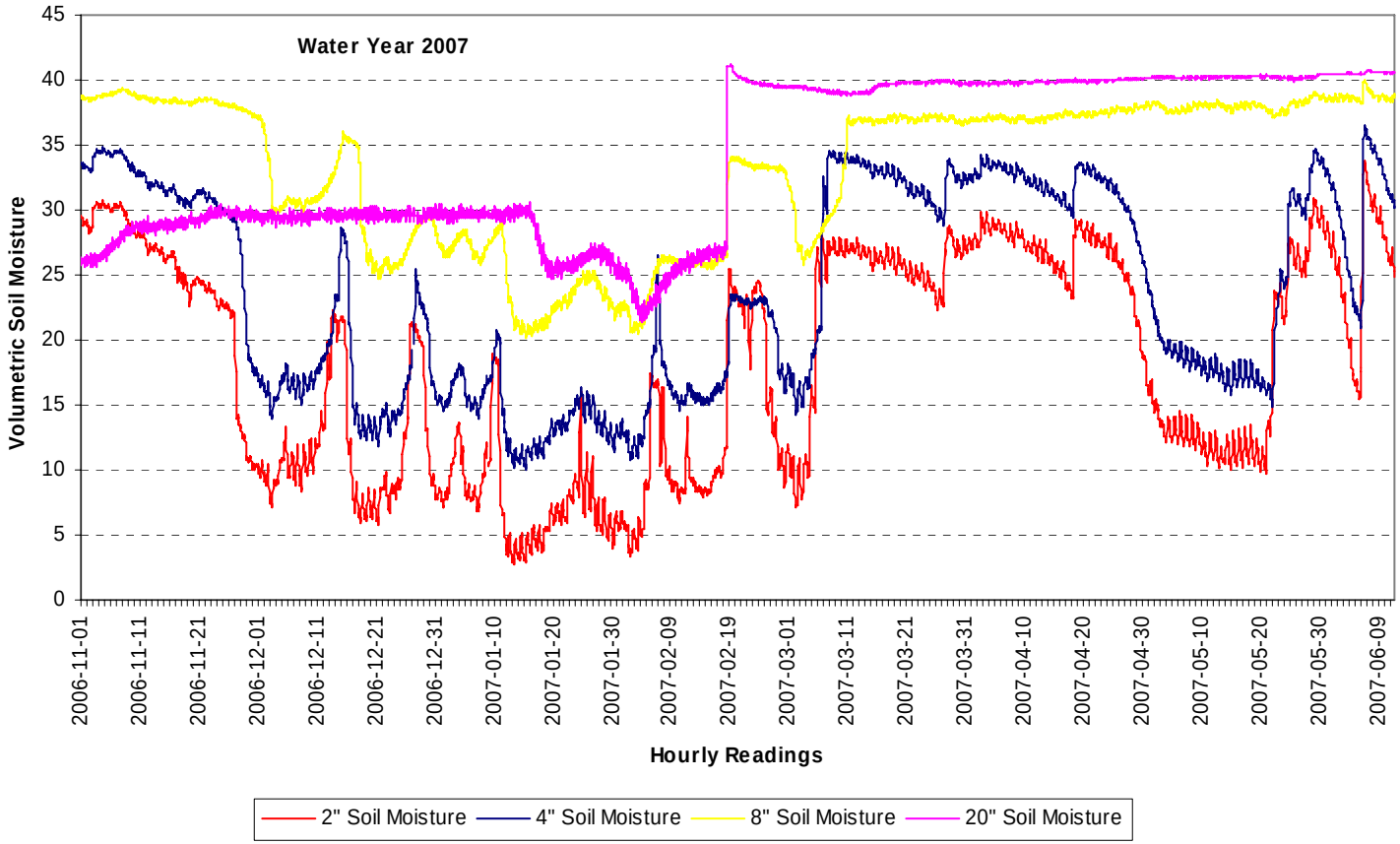
Sites yet to be operational:
Jordan and Sidney

Web address for site data:
http://www.wcc.nrcs.usda.gov/scan/Montana/montana.html

For more information on the SCAN project contact:
Chuck Gordon, State Soil Scientist
Email address charles.gordon@mt.usda.gov
Phone 406.587.6818

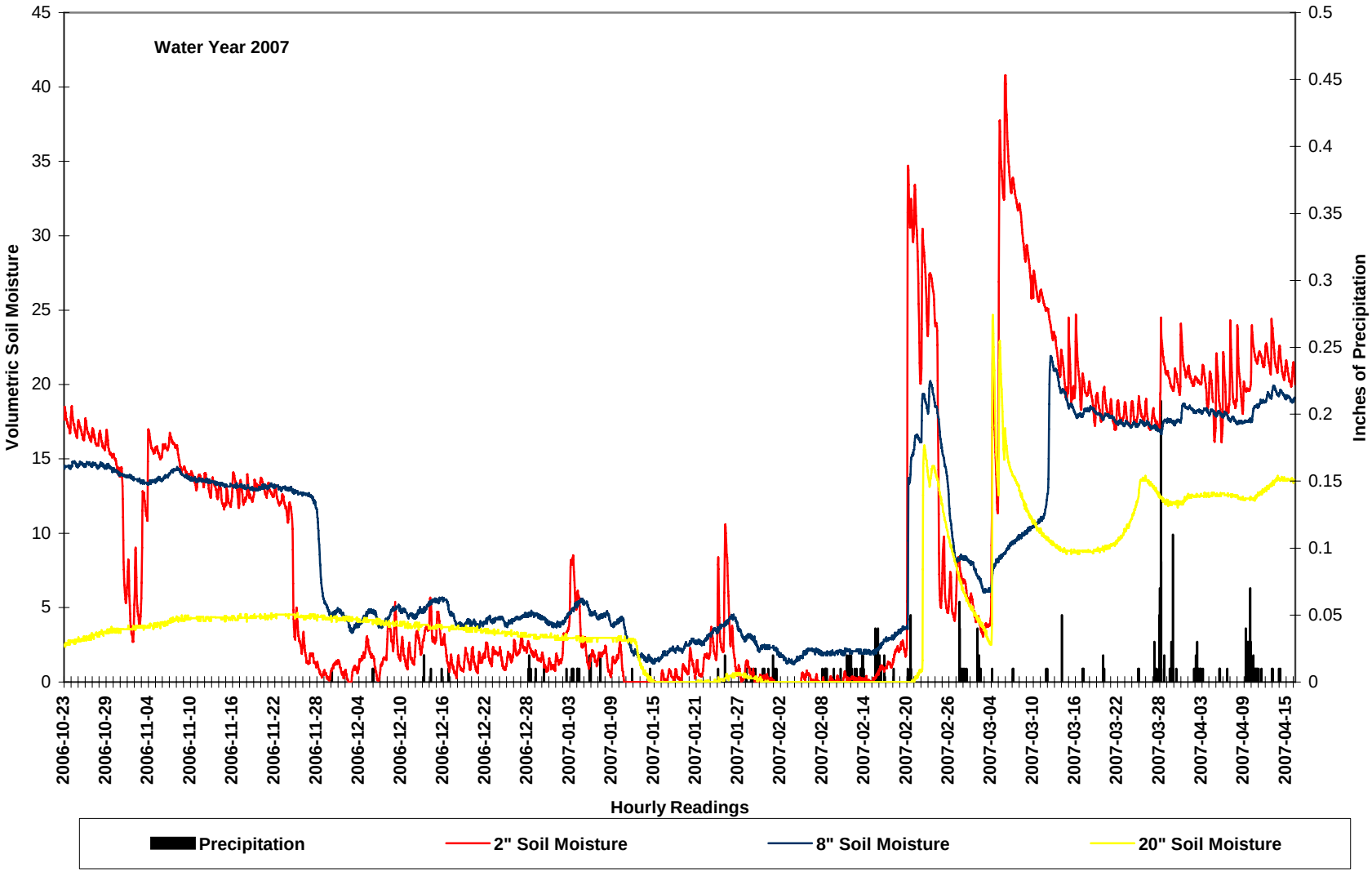
Gallatin County

Table Mountain, MT
Soil Moisture
Preliminary Data Subject to Change



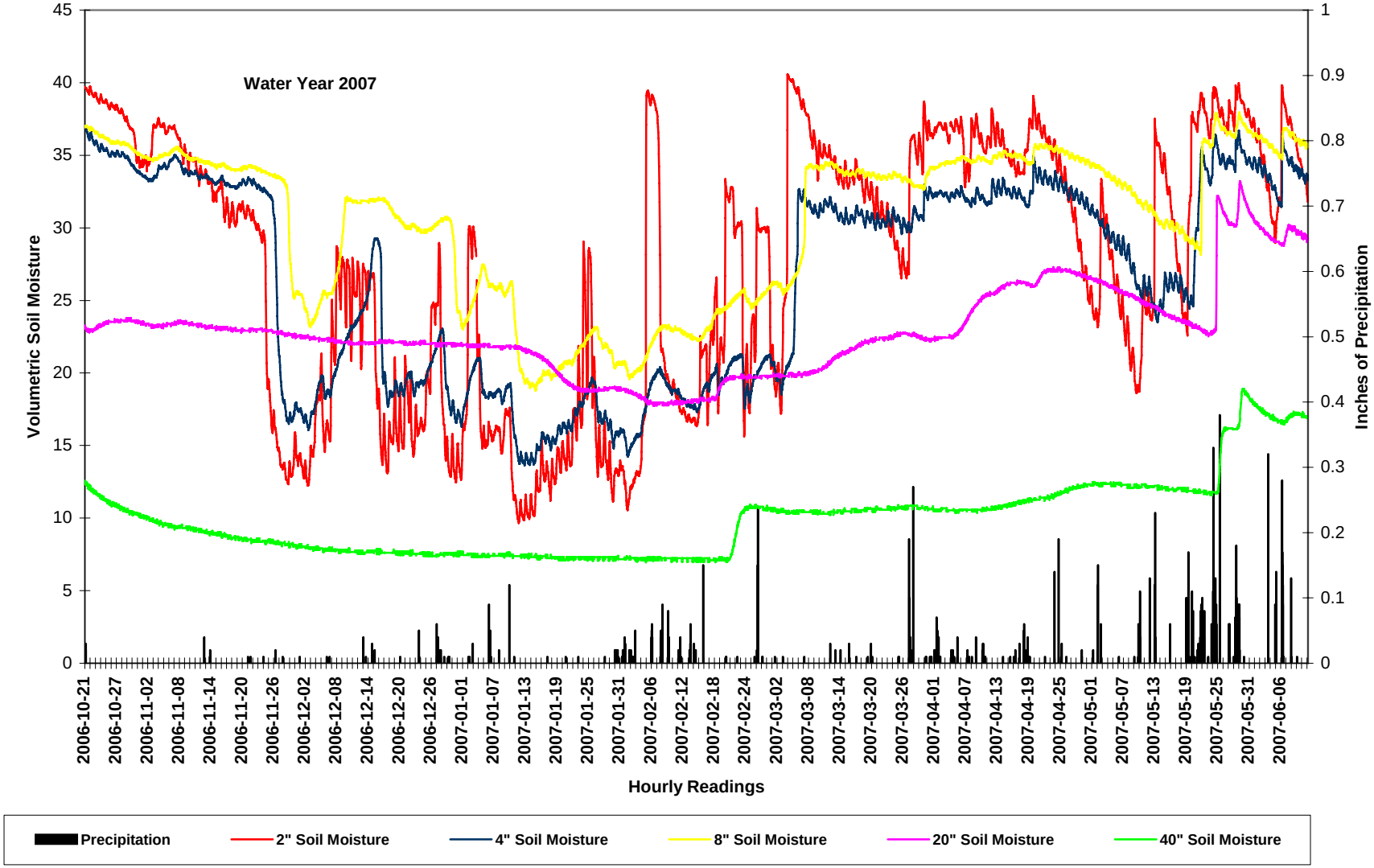
Dawson County

Lindsay, MT
Soil Moisture vs. Precipitation
PRELIMINARY DATA SUBJECT TO CHANGE



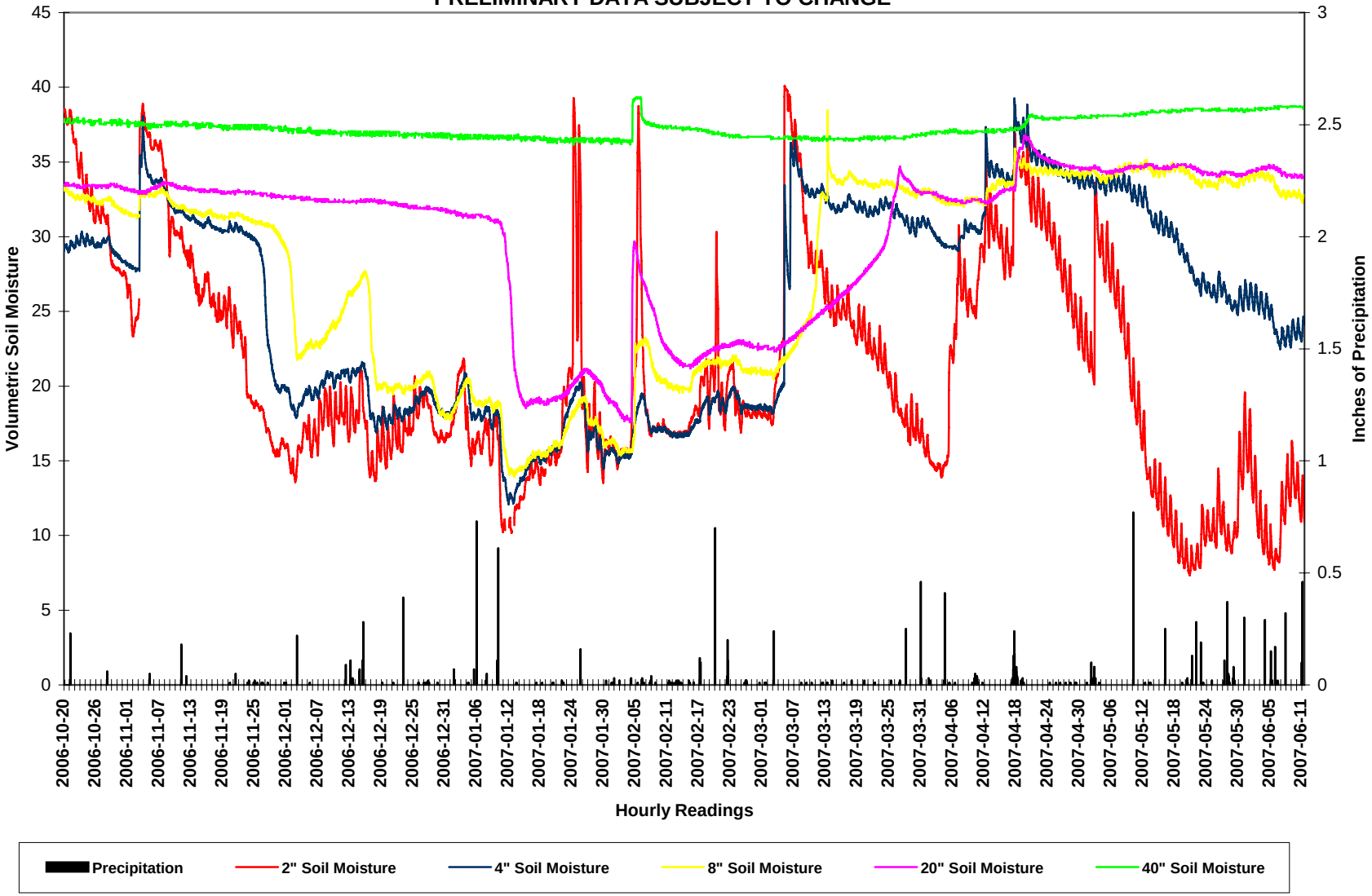
Judith Basin County

Moccasin, MT
Soil Moisture vs. Precipitation
PRELIMINARY DATA SUBJECT TO CHANGE



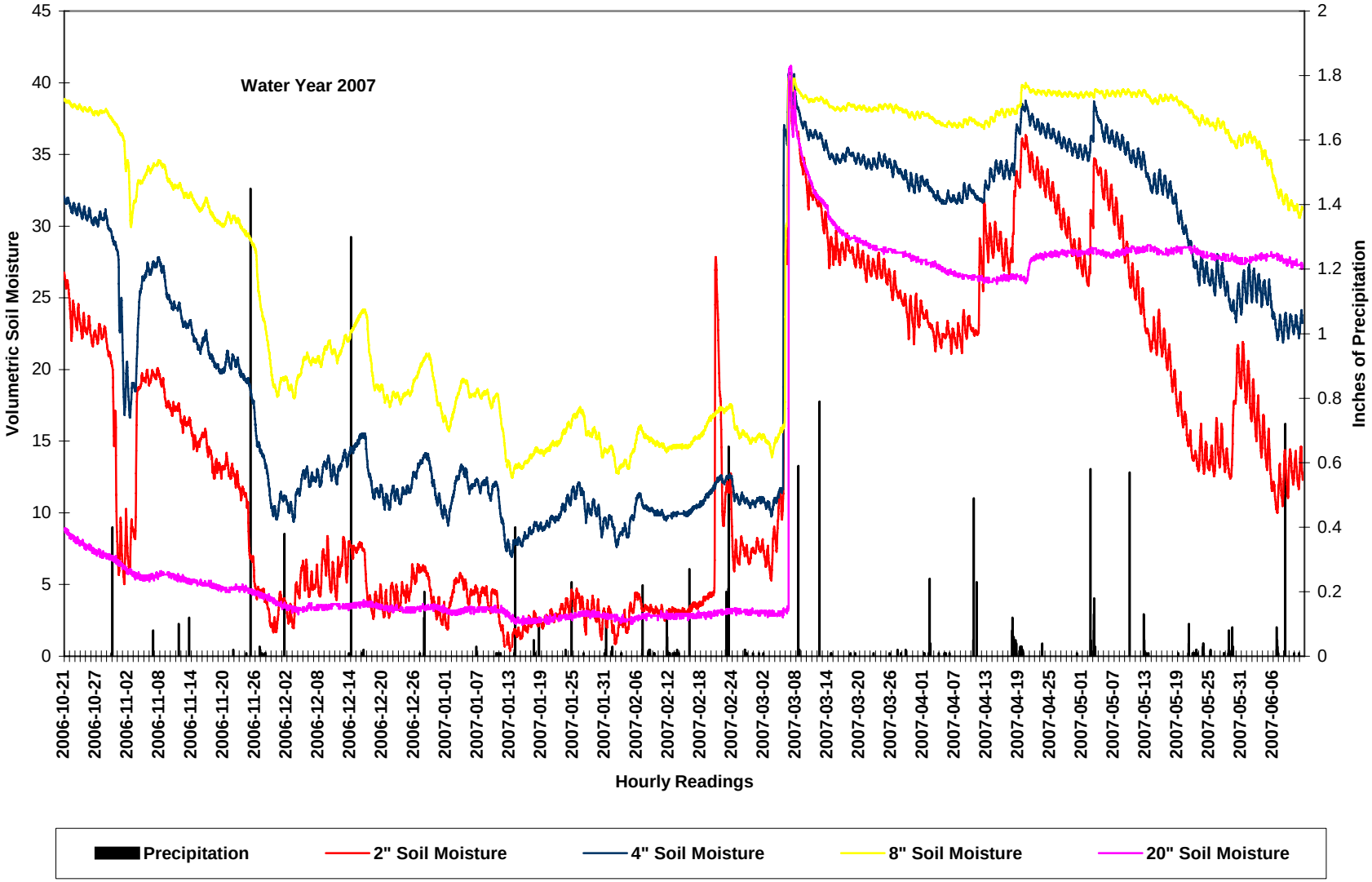
Pondera County

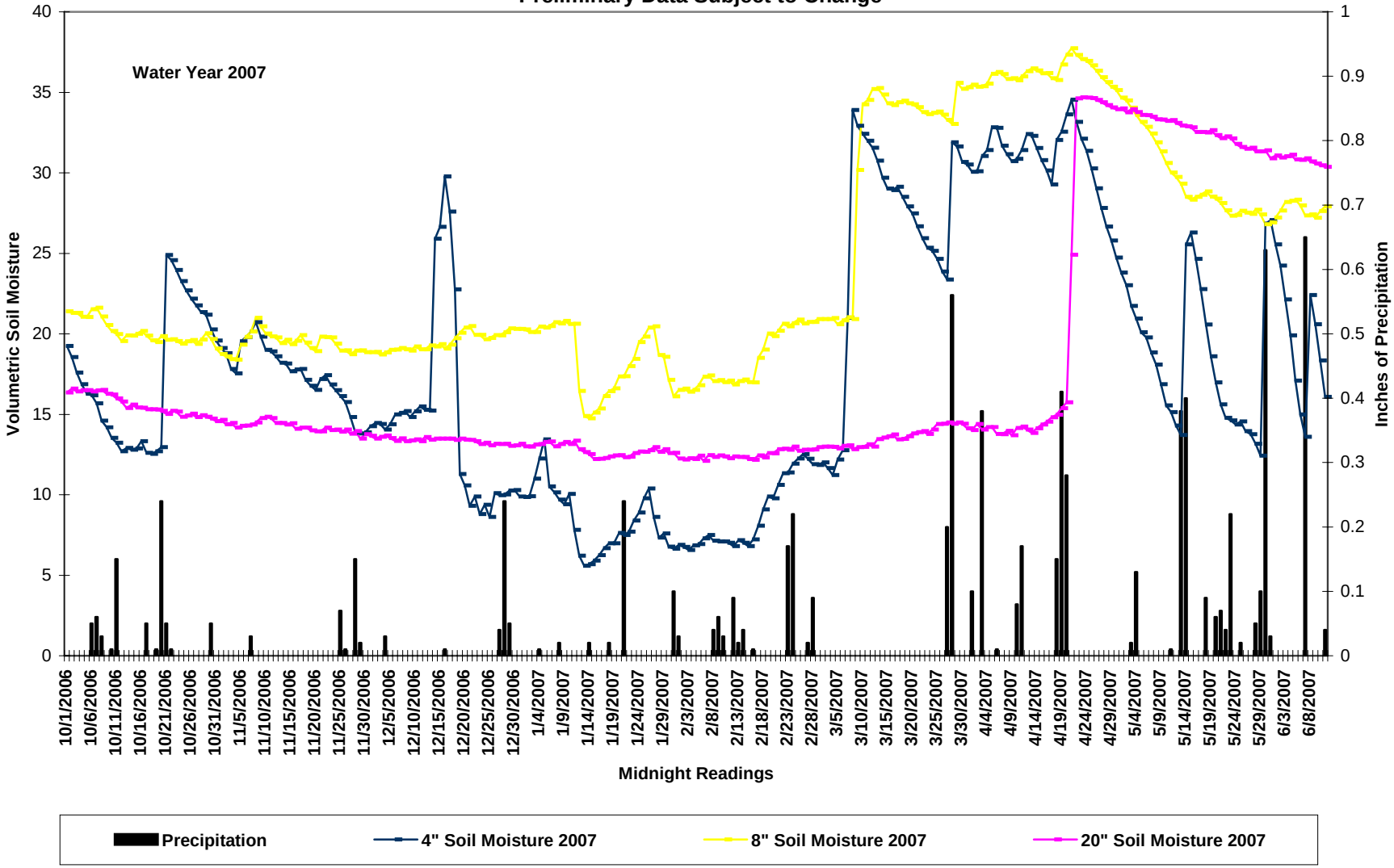
Conrad AG RC, MT
Soil Moisture vs. Precipitation
PRELIMINARY DATA SUBJECT TO CHANGE



Liberty County

Violett, MT
Soil Moisture vs. Precipitation
PRELIMINARY DATA SUBJECT TO CHANGE



Hill County

Fort Assiniboine
Soil Moisture vs. Precipitation
Preliminary Data Subject to Change