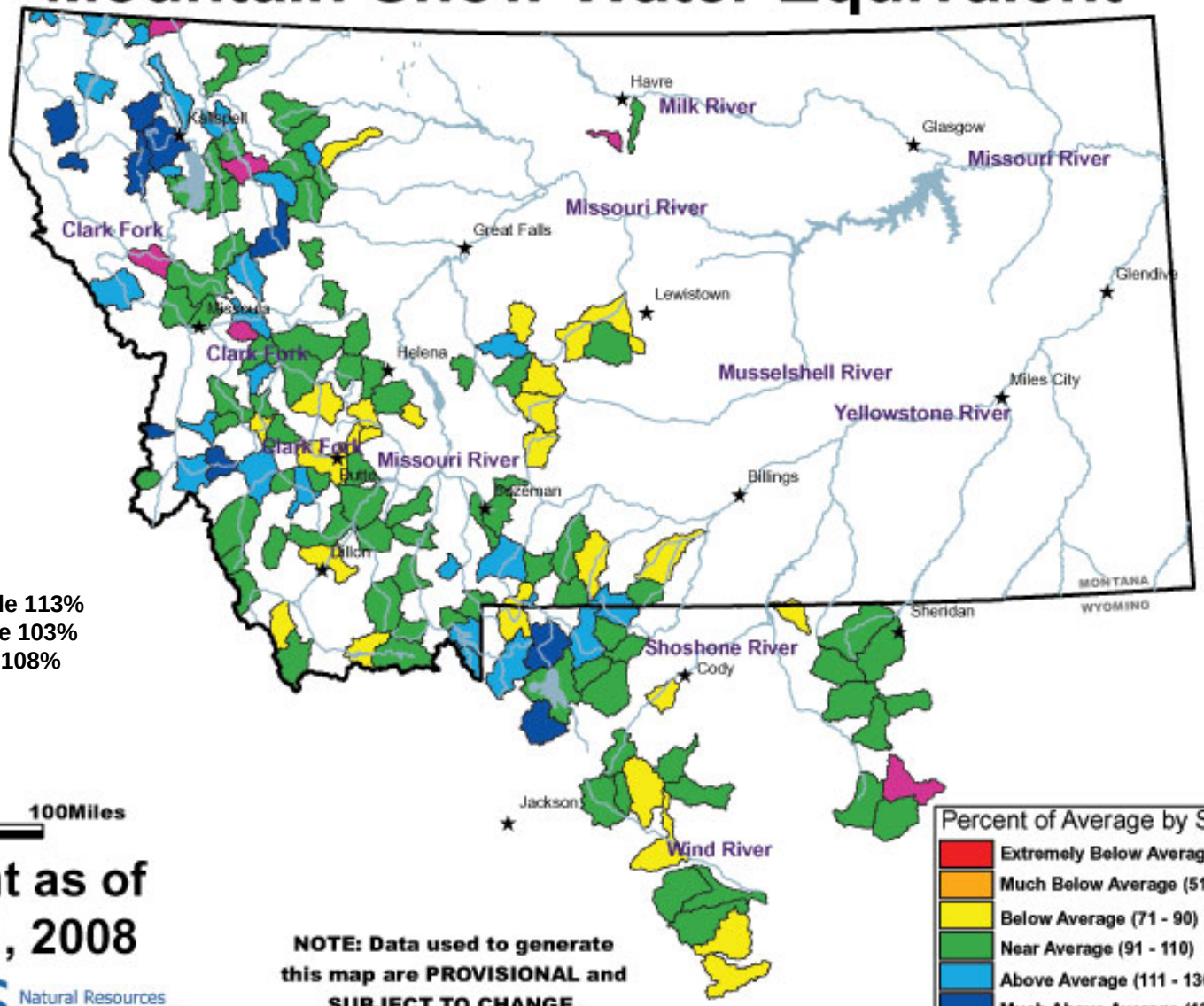
Natural Resources Conservation Service
Snow Survey and Water Supply Report

April 17, 2008

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Mountain Snow Water Equivalent



West Divide 113%
East Divide 103%
Statewide 108%

0 50 100Miles

Current as of April 1, 2008

NRCS Natural Resources Conservation Service

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

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

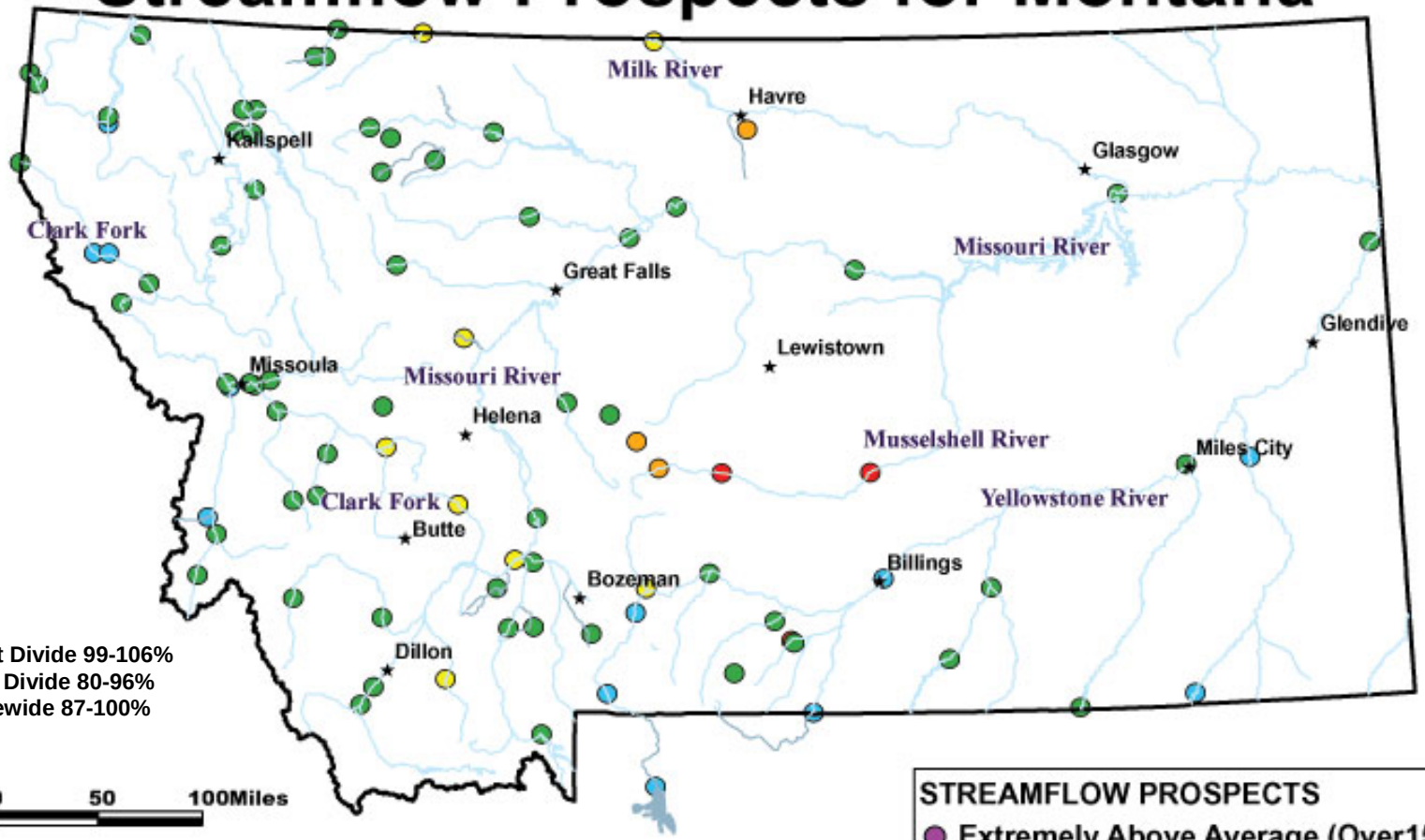
Percent of Average by Sub-Basin

- 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



West Divide 99-106%
East Divide 80-96%
Statewide 87-100%

0 50 100Miles

Current as of April 1, 2008

NRCS Natural Resources Conservation Service
http://www.mt.nrcs.usda.gov

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

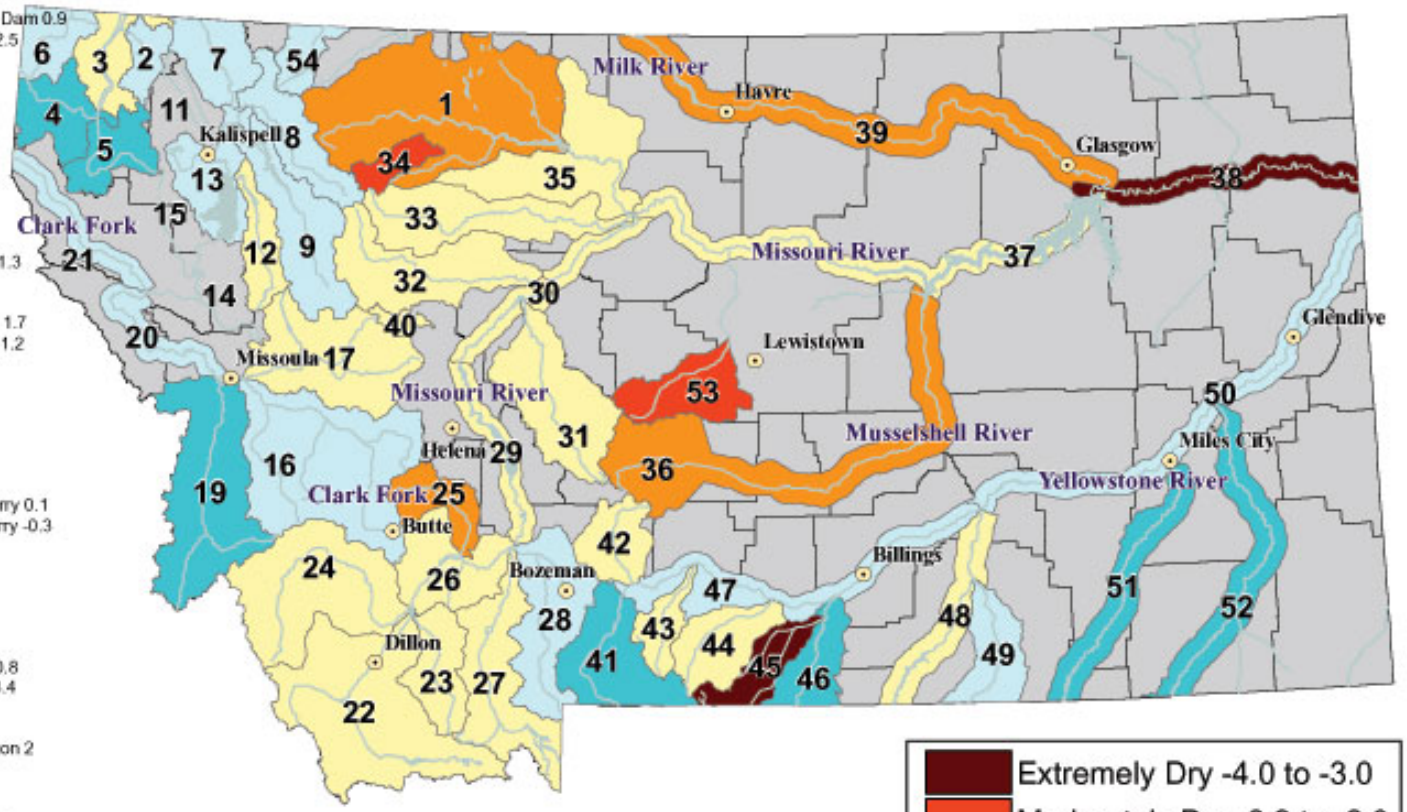
STREAMFLOW PROSPECTS
- Extremely Above Average (Over150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)

Surface Water Supply Index (SWSI) Values

UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE

RIVER INDEX & SWSI VALUES

1 Marias above Tiber Reservoir -1.3
2 Tobacco 1.5
3 Kootenai Ft. Steele to Libby Dam 0.9
4 Kootenai below Libby Dam 2.5
5 Fisher 2.3
6 Yaak 1.6
7 North FK. Flathead 1.2
8 Middle FK. Flathead 1.3
9 South FK. Flathead 1.3
11 Stillwater/Whitefish
12 Swan 0.1
13 Flathead at Polson 1
14 Mission Valley
15 Little Bitterroot
16 Clark Fork above Milltown 1.3
17 Blackfoot 0.3
19 Bitterroot 2
20 Clark Fork below Bitterroot 1.7
21 Clark Fork below Flathead 1.2
22 Beaverhead -0.2
23 Ruby -0.8
24 Big Hole 0.4
25 Boulder (Jefferson) -1.1
26 Jefferson 0.7
27 Madison 0.7
28 Gallatin 1
29 Missouri above Canyon Ferry 0.1
30 Missouri below Canyon Ferry -0.3
31 Smith 0.9
32 Sun -0.3
33 Teton 0.6
34 Birch/Dupuyer Creeks -2.9
35 Marias -0.2
36 Musselshell -1.5
37 Missouriabove Fort Peck -0.8
38 Missouribelow Fort Peck -3.4
39 Milk -1.9
40 Dearbornnear Craig 0.6
41 Yellowstone above Livingston 2
42 Shields -0.3
43 Boulder(Yellowstone) 0.7
44 Stillwater 0.6
45 Rock/Red Lodge Creeks -3.2
46 Clarks Fork 2.5
47 Yellowstone above Bighorn 1.7
48 Bighorn below Bighorn Lake 0.1
49 Little Bighorn 1.2
50 Yellowstone below Bighorn 1
51 Tongue 2.7
52 Powder 2
53 Upper Judith River -2.9
54 Saint Mary River 1.2



Current as of April 1, 2008

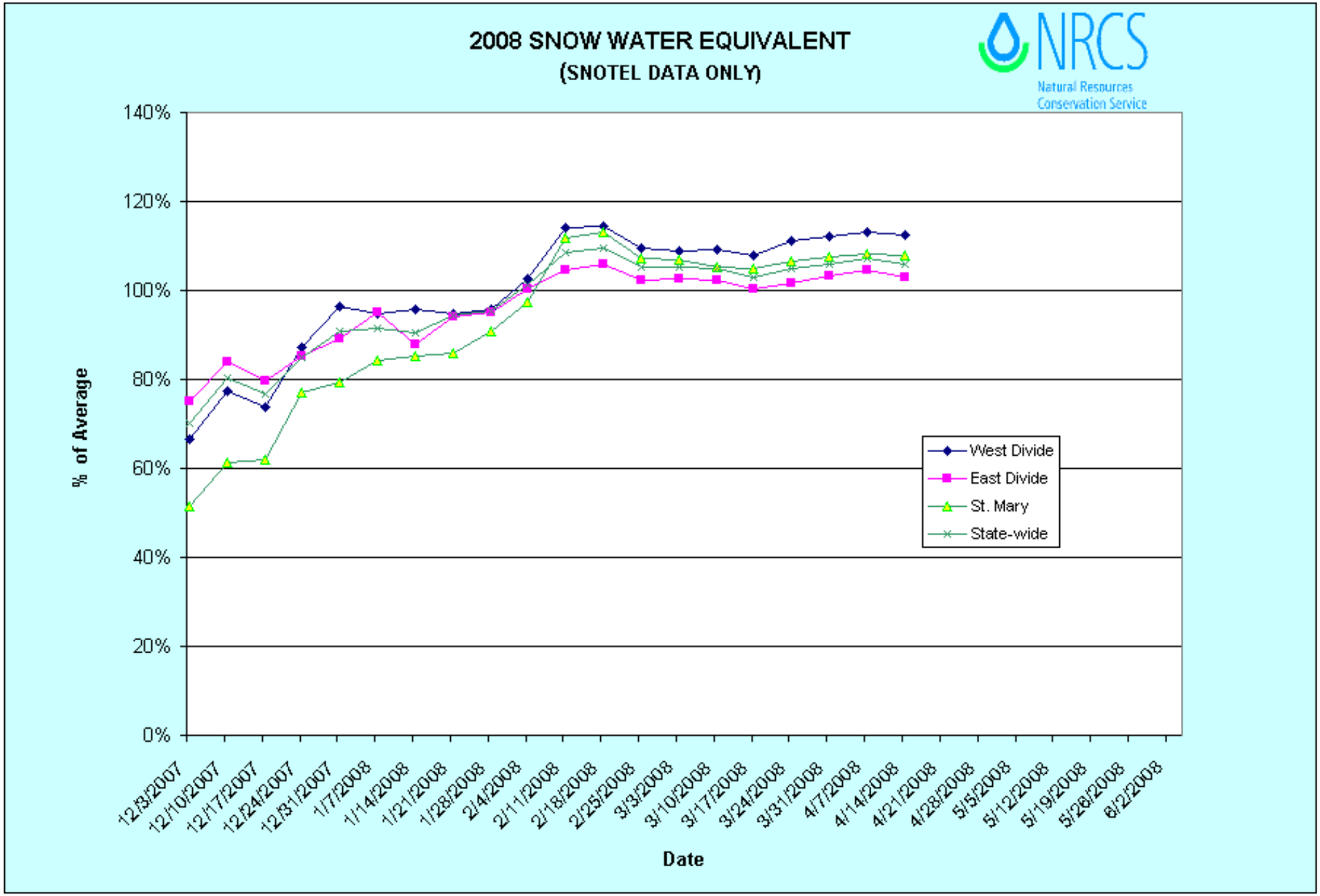
0 45 90 Miles

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

NRCS Natural Resources Conservation Service

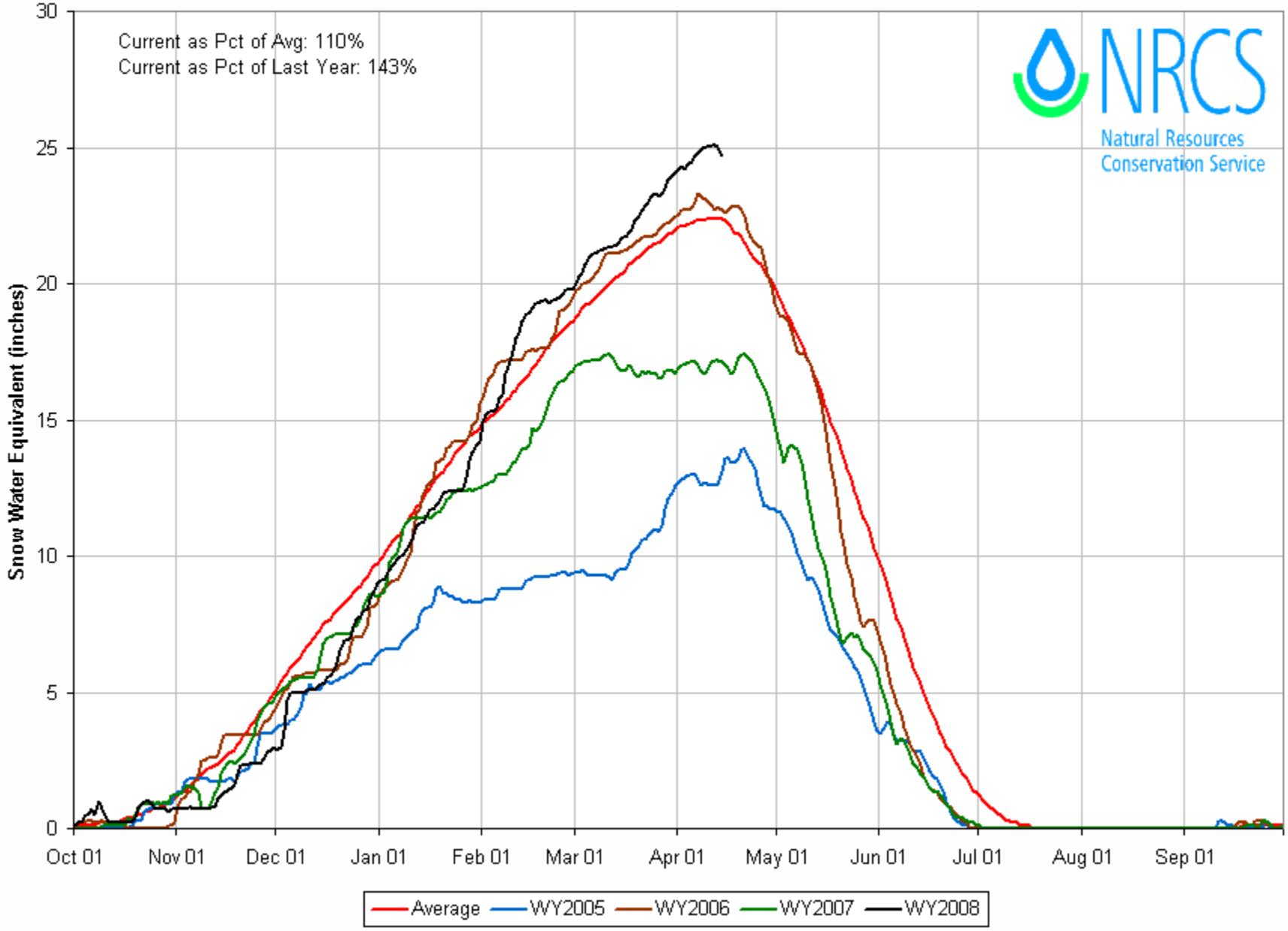
http://www.mt.nrcs.usda.gov

- 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 Applicable


2008 SNOW WATER EQUIVALENT
(SNOTEL DATA ONLY)
NRCS
Natural Resources
Conservation Service
140%
120%
100%
80%
60%
40%
20%
0%
% of Average
West Divide
East Divide
St. Mary
State-wide
12/3/2007
12/10/2007
12/17/2007
12/24/2007
12/31/2007
1/7/2008
1/14/2008
1/21/2008
1/28/2008
2/4/2008
2/11/2008
2/18/2008
2/25/2008
3/3/2008
3/10/2008
3/17/2008
3/24/2008
3/31/2008
4/7/2008
4/14/2008
4/21/2008
4/28/2008
5/5/2008
5/12/2008
5/19/2008
5/26/2008
6/2/2008
Date

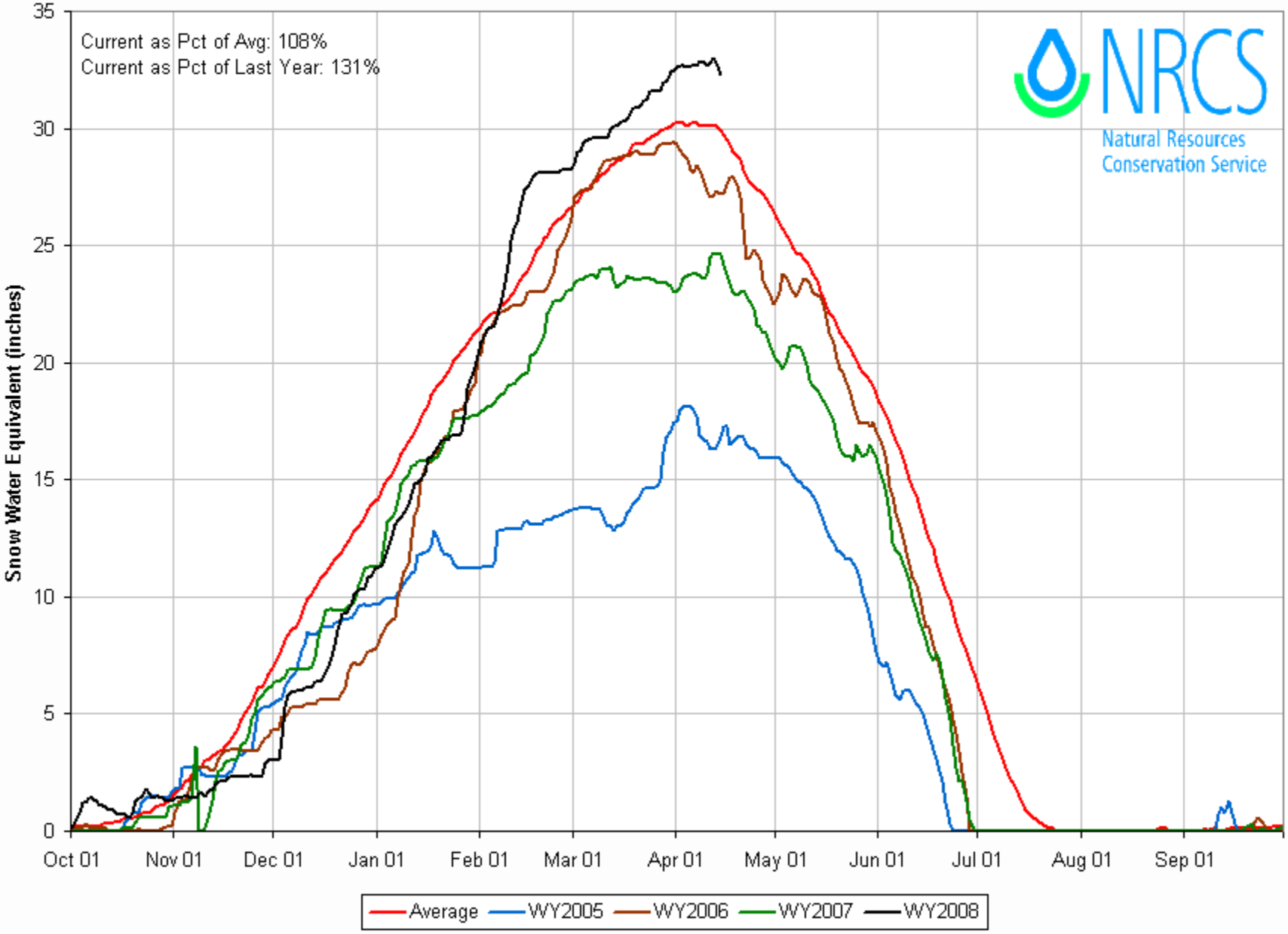
Columbia Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Apr 14, 2008



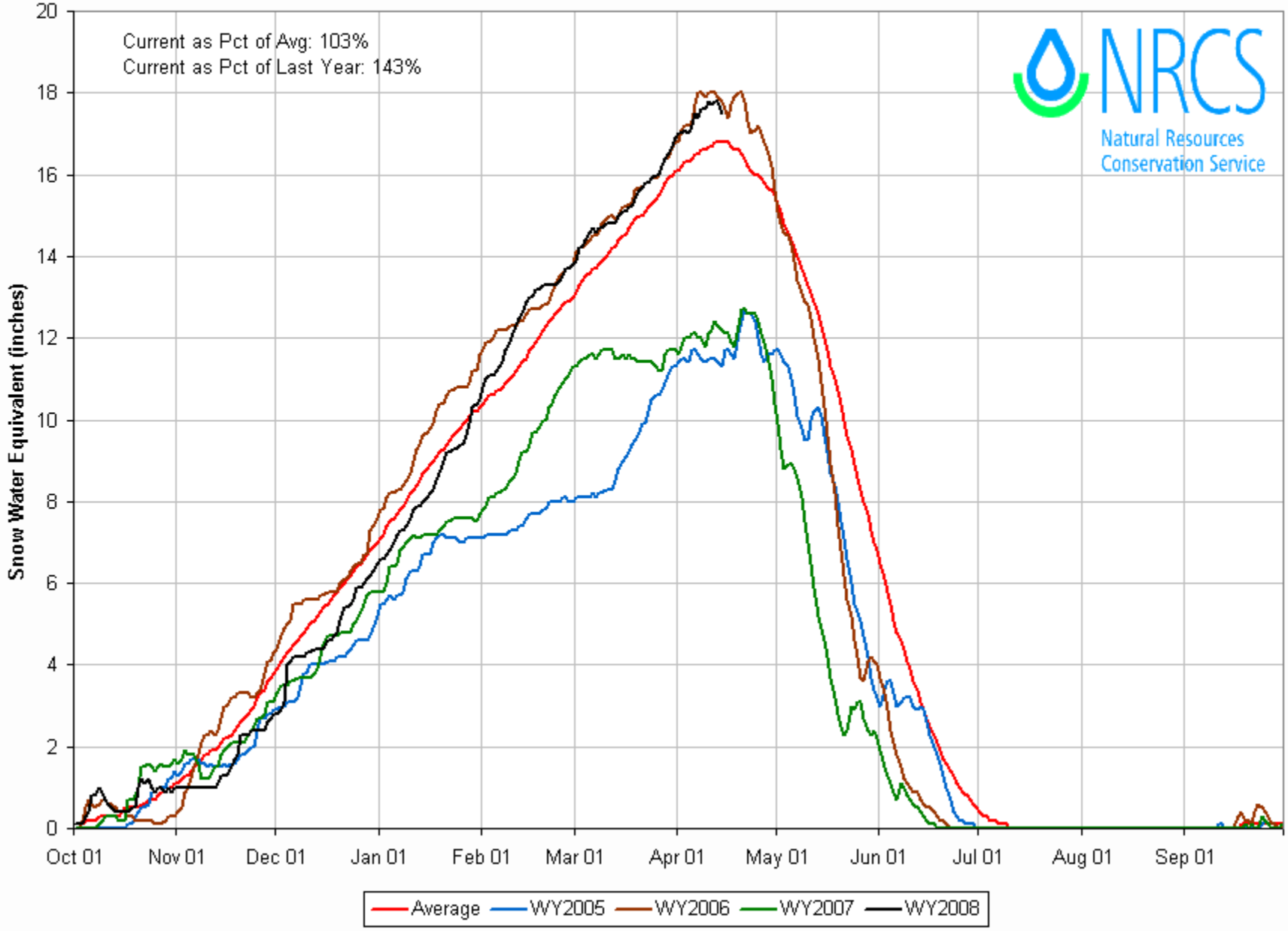
St. Mary Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Apr 14, 2008



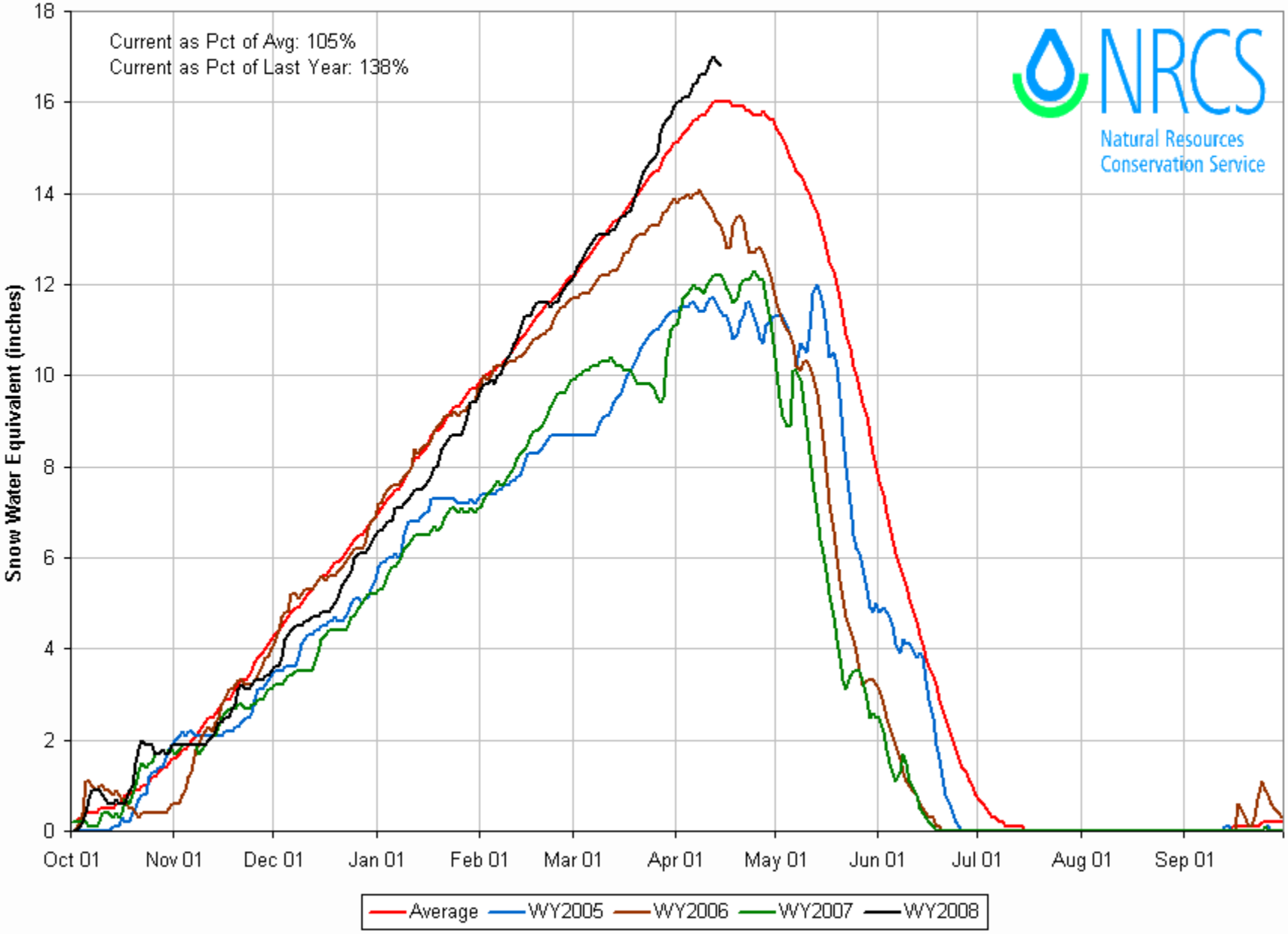
Missouri Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Apr 14, 2008



Yellowstone Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Apr 14, 2008



MONTANA NRCS SNOW SURVEY AND
WATER SUPPLY WEB PAGE

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