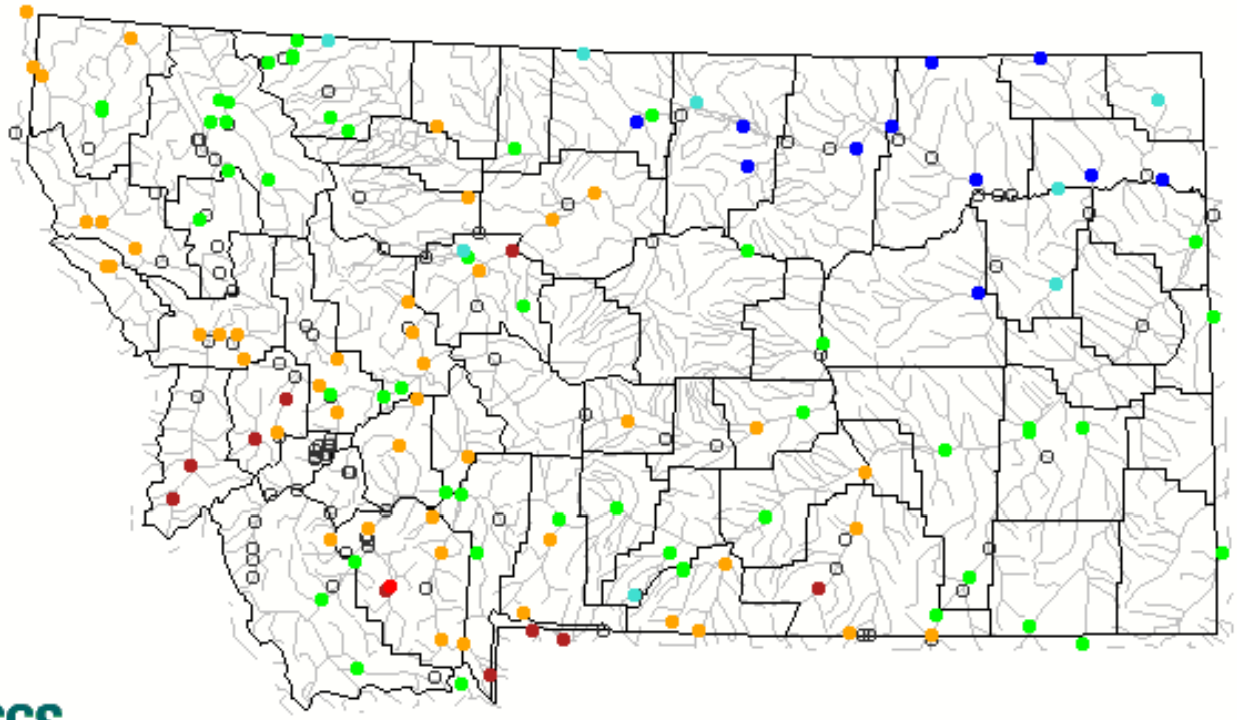
Water Policy Interim Committee
Water Supply Outlook

June 18, 2013

Montana Fish Wildlife and Parks

M. Mclane



USGS

Choose a data retrieval option and select a location on the map

○ List of all stations ◉ Single station ○ Nearest stations ○ Peak flow

Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

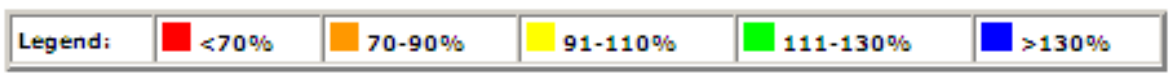
http://waterwatch.usgs.gov/index.php?r=mt&id=ww_current

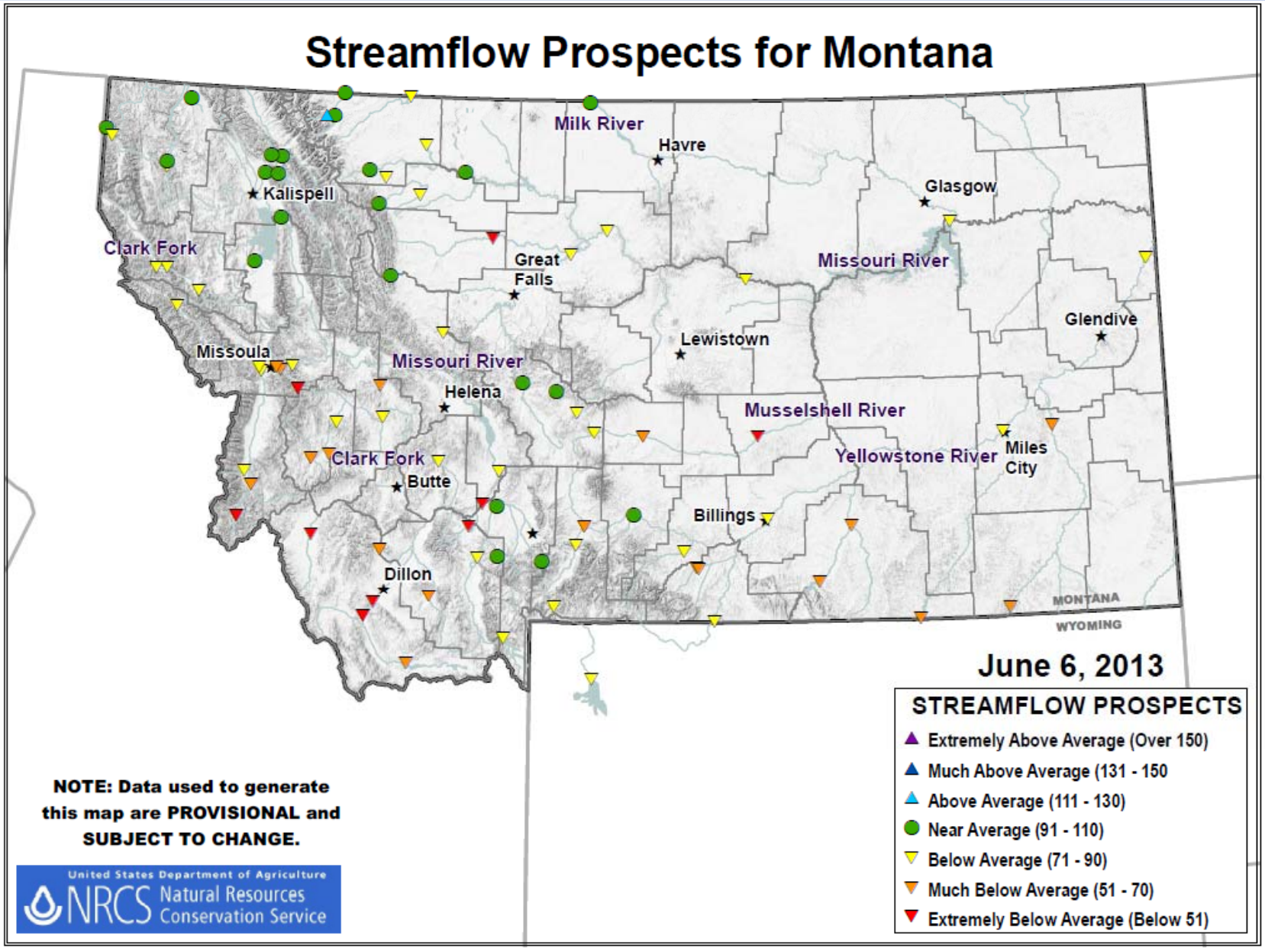
http://www.wcc.nrcs.usda.gov/cgibin/precup-graph.pl?state=MT

MONTANA SNOTEL Year-to-Date Precipitation Update Graph

As of MONDAY: JUNE 17 , 2013

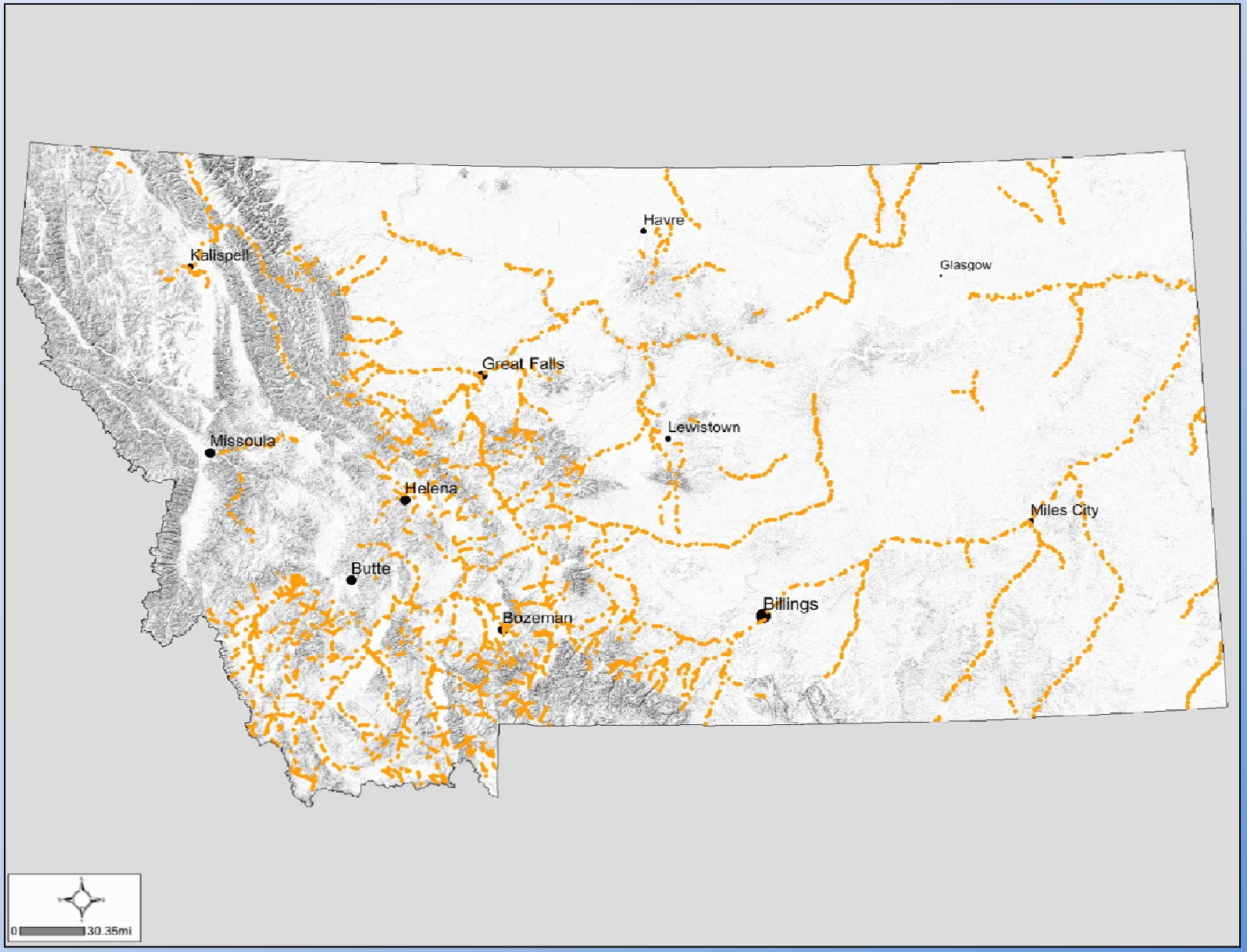
Basin	Year-to-Date Precipitation Percent of Average
KOOTENAI RIVER BASIN	105%
FLATHEAD RIVER BASIN	107%
UPPER CLARK FORK RIVER BASIN	93%
BITTERROOT RIVER BASIN	91%
LOWER CLARK FORK RIVER BASIN	101%
JEFFERSON RIVER BASIN	85%
MADISON RIVER BASIN	85%
GALLATIN RIVER BASIN	94%
MISSOURI HEADWATERS	87%
HEADWATERS MISSOURI MAINSTEM	97%
SMITH, JUDITH, AND MUSSELSHELL RIVER BASINS	104%
SUN, TETON AND MARIAS RIVER BASINS	102%
MISSOURI MAINSTEM RIVER BASIN	103%
ST MARY AND MILK RIVER BASINS	118%
UPPER YELLOWSTONE RIVER BASIN	91%
WIND RIVER BASIN (WYOMING)	76%
SHOSHONE RIVER BASIN (WYOMING)	91%
BIGHORN RIVER BASIN (WYOMING)	91%
TONGUE RIVER BASIN (WYOMING)	89%
POWDER RIVER BASIN (WYOMING)	94%
LOWER YELLOWSTONE RIVER BASIN	86%



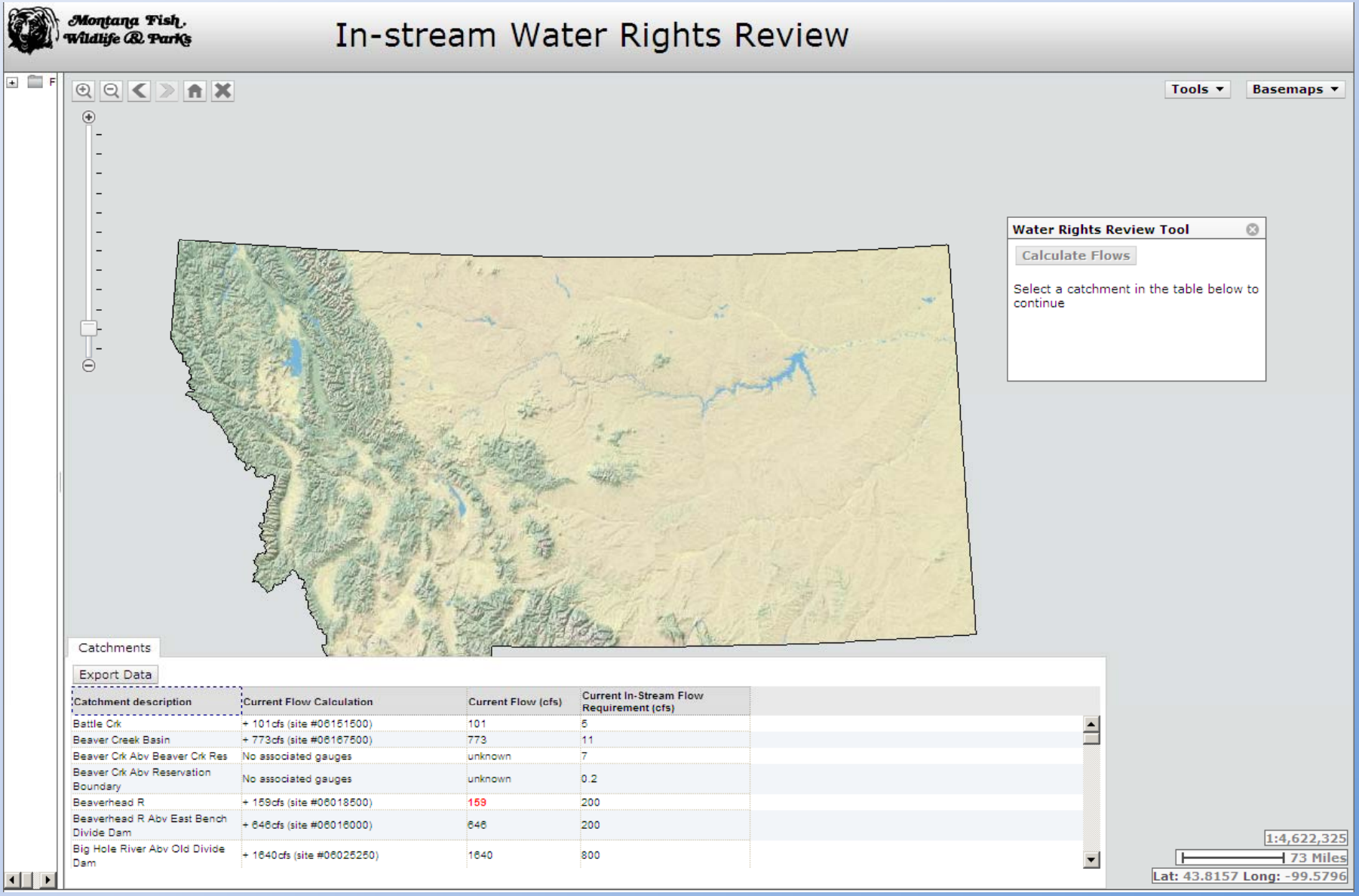


http://nris.mt.gov/Nrcs/streamflow/Monthly.asp

FWP In-stream Water Rights

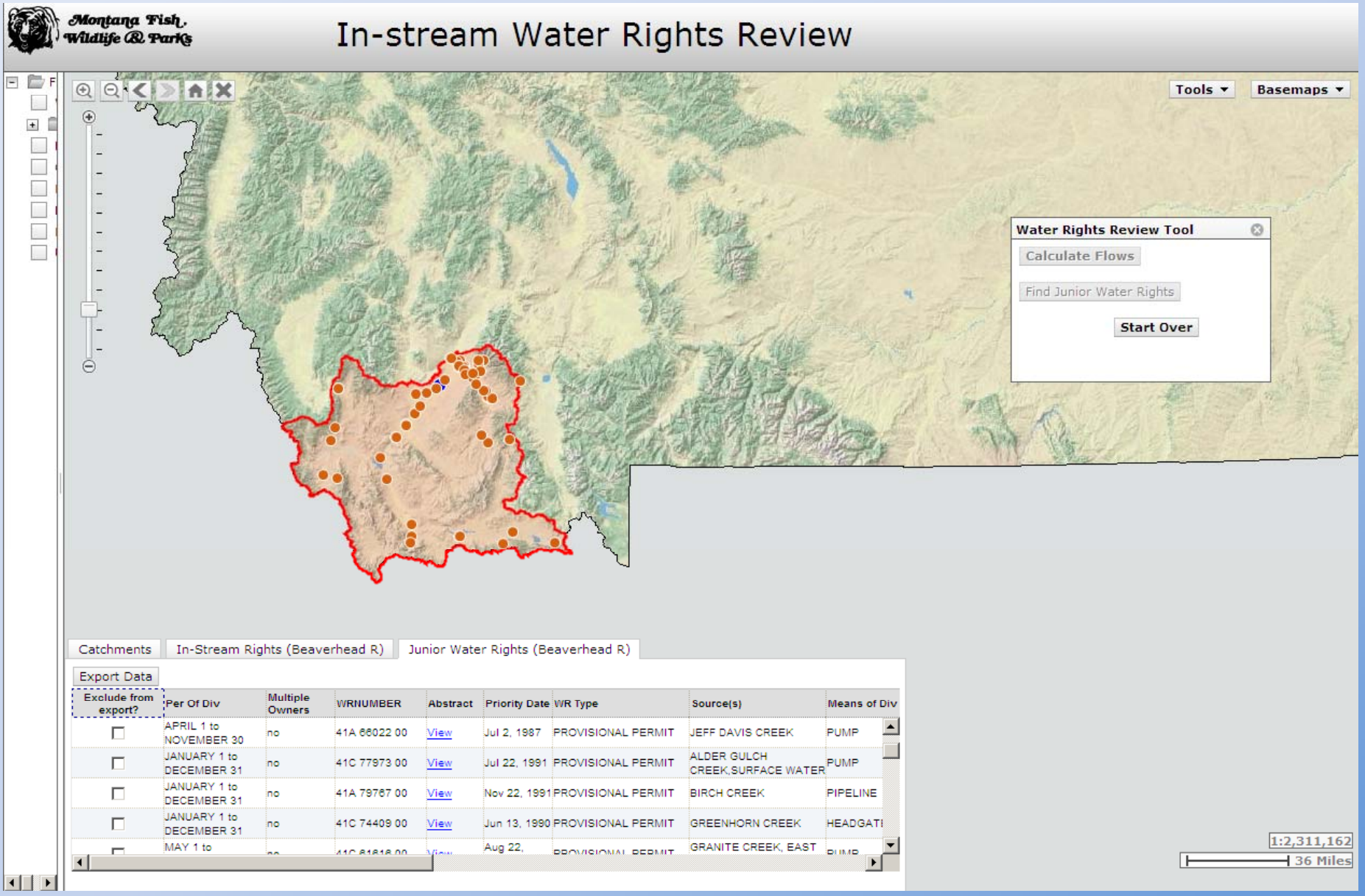


In-stream Water Rights Review



Catchment description	Current Flow Calculation	Current Flow (cfs)	Current In-Stream Flow Requirement (cfs)
Battle Crk	+ 101cfs (site #06151500)	101	5
Beaver Creek Basin	+ 773cfs (site #06167500)	773	11
Beaver Crk Abv Beaver Crk Res	No associated gauges	unknown	7
Beaver Crk Abv Reservation Boundary	No associated gauges	unknown	0.2
Beaverhead R	+ 159cfs (site #06018500)	159	200
Beaverhead R Abv East Bench Divide Dam	+ 646cfs (site #06016000)	646	200
Big Hole River Abv Old Divide Dam	+ 1640cfs (site #06025250)	1640	800

Montana Fish, Wildlife & Parks
In-stream Water Rights Review
Tools
Basemaps
Water Rights Review Tool
Calculate Flows
Find Junior Water Rights
Start Over
Catchments
In-Stream Rights (Beaverhead R)
Export Data
Make Call?
Stream
Location
Type
Flow
WRNUMBER
WRKEY
Priority Date
Valid Dates
Beaverhead River
East Bench Diversion Dam at Barretts to mouth
Reservation
200
41B 30017402
353421-1
Jul 1, 1985
01/01-12/31
1:4,622,325
73 Miles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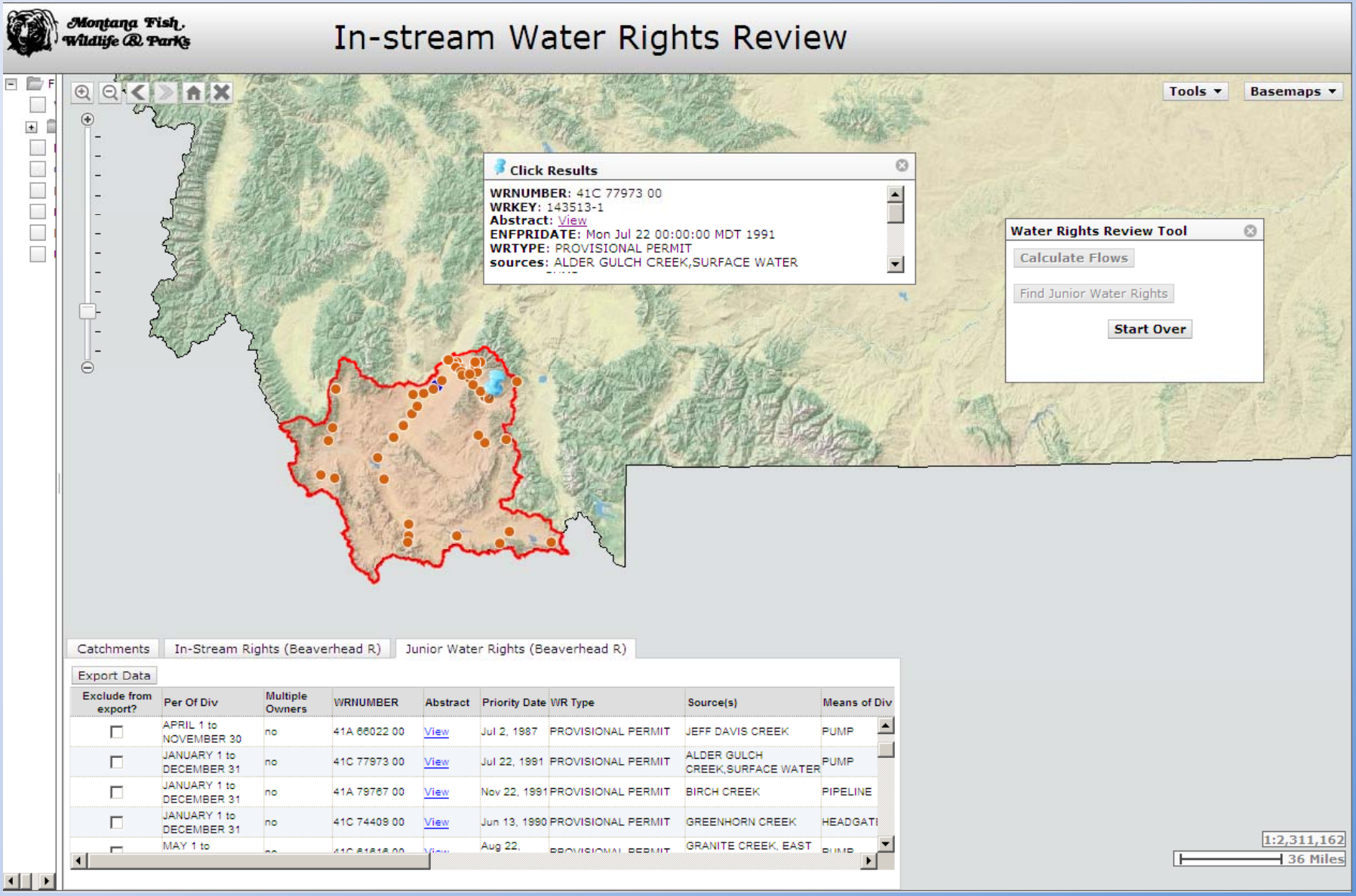
In-Stream Rights (Beaverhead R)
Junior Water Rights (Beaverhead R)
Export Data
Exclude from export?
Per Of Div
Multiple Owners
WRNUMBER
Abstract
Priority Date
WR Type
Source(s)
Means of Div
APRIL 1 to NOVEMBER 30 no 41A 66022 00 View Jul 2, 1987 PROVISIONAL PERMIT JEFF DAVIS CREEK PUMP
JANUARY 1 to DECEMBER 31 no 41C 77973 00 View Jul 22, 1991 PROVISIONAL PERMIT ALDER GULCH CREEK,SURFACE WATER PUMP
JANUARY 1 to DECEMBER 31 no 41A 79767 00 View Nov 22, 1991 PROVISIONAL PERMIT BIRCH CREEK PIPELINE
JANUARY 1 to DECEMBER 31 no 41C 74409 00 View Jun 13, 1990 PROVISIONAL PERMIT GREENHORN CREEK HEADGATI
MAY 1 to Aug 22, GRANITE CREEK, EAST
1:2,311,162
36 Miles


Montana Fish, Wildlife & Parks
In-stream Water Rights Review
Tools
Basemaps
Click Results
WRNUMBER: 41C 77973 00
WRKEY: 143513-1
Abstract: View
ENFPRIDATE: Mon Jul 22 00:00:00 MDT 1991
WRTYPE: PROVISIONAL PERMIT
sources: ALDER GULCH CREEK,SURFACE WATER
Water Rights Review Tool
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1:2,311,162
36 Miles

Management Options

- Voluntary Drought Plans
  - Jefferson River
  - Big Hole River
  - Ruby River
  - Blackfoot River
- Water Commissioners / Ditch Riders
  - Musselshell River Enforcement Project
  - Bitterroot River – Water Commissioner
- Making Call for Water
  - Water user to water user