National Hydrography Dataset Uses

Item (existing or potential)	Statue & Rules (MCA, ARM, USC, CFR)	Class	Scale	Agency
State Water Plan / Planning	MCA 85-1-203	Product / Use	1:24	DNRC
Water Quality Integrated Reporting (Assessment Units)	MCA 75-5-702 33 U.S.C. 1314 & 1315 40 CFR 130.8	Event Table / Feature Class	1:24	DEQ
Water Quality Monitoring Locations	MCA 75-5-702 40 CFR 130.4	Event Table / Feature Class	1:24	DEQ
Water Quality Reference Site	MCA 75-5-702 40 CFR 130.4	Event Table / Feature Class	1:24	DEQ
State Water Use Classification (Water Quality Standards)	MCA 75-5-301 ARM 17.30.600 et seq. 33 U.S.C. 1314 40 CFR 130.3 & 131.4	Event Table / Feature Class	1:24	DEQ
MPDES Permit Outfalls	MCA 75-5-703	Event Table / Feature Class	1:24	DEQ
Species Occurrence Mapping	MCA 90-15-102	Event Table / Feature Class	1:24	NHP, MDT
Wetland Mapping	MCA 90-15-102	Event Table / Feature Class	1:24	NHP, MDT; DEQ
Lotic Aquatic Ecological Systems Mapping	MCA 90-15-102	Event Table / Feature Class	1:24	NHP
Floodplain Mapping	MCA 76-5-Part 2	Event Table / Feature Class	1:24	MDT; DEQ; DNRC; FWP, Commerce
Fish Distribution / Occurrence / Presence		Event Table / Feature Class	1:24	FWP*
Wildlife Distribution / Occurrence / Presence		Event Table / Feature Class	1:24	FWP*
Dewatering Status		Event Table / Feature Class	1:24	FWP*
Minimum Instream Flow		Event Table / Feature Class	1:24	FWP*
Survey site locations		Event Table / Feature Class	1:24	FWP*
Fisheries telemetry work (need network)		Event Table / Feature Class	1:24	FWP*
Fishing regulations		Event Table / Feature Class	1:24	FWP*
Stream Access	MCA 23-2-Part 3	Event Table / Feature Class	1:24	FWP*
Display of instream barriers		Event Table / Feature Class	1:24	FWP*

Item (existing or potential)	Statue & Rules (MCA, ARM, USC, CFR)	Class	Scale	Agency
Chronically Dewater Watercourse - Identification	MCA 85-2-150 ARM 36.13.102	Event Table / Feature Class	1:24	DNRC; FWP*
Public Ways (Water)	MCA 85-1-111	Event Table / Feature Class	1:24	DNRC, MDT
Navigable Waters	MCA 85-1-112	Event Table / Feature Class	1:24	DEQ; DNRC, MDT
Water Rights – Appropriations, Permits, and Certificates of Water Rights	MCA 85-2-Part 3 ARM: ~36.12.101 to 36.12.2001	Event Table / Feature Class	1:24	DNRC; FWP*
Indian and Federal Reserved Water Rights	MCA 85-2-Part 7	Event Table / Feature Class	1:24	DNRC; Others
Aquatic Invasive Species	MCA 80-7-Part 10 ARM 12.5.701-703	Event Table / Feature Class	1:24	DNRC; FWP*; AGR
Water Quality Assessment (beneficial use support/attainment)	MCA 75-5-703 40 CFR 130.6 & 130.7	Use	1:24	DEQ
Water Quality Restoration – TMDL	MCA 75-5-703 ARM 17.30. USC 40 CFR 130.6 & 130.7	Use	1:24	DEQ
Watershed / Water Quality Modeling	MCA 75-5-703 40 CFR 130.7	Use	1:24	DEQ; DNRC; FWP*
Highway maintenance & construction		Use	1:24	MDT
Forestry – Streamside Management	MCA 77-5-Part 3 ARM 36.11.301-313	Use	1:24	DNRC
Drought Advisory Committee	MCA 2-15-3308	Use	1:24	DNRC
Water Rights - Adjudication	MCA 85-2-Part 2	Use	1:24	DNRC
Water Rights – Temporary Changes	MCA 85-2-407 ARM: ~36.12.1801 to 36.12.1904	Use	1:24	DNRC
Water Rights - Enforcement		Use	1:24	DNRC
Water Rights - Water Commissioners		Use	1:24	DNRC
State Reservation of Waters	MCA 85-2-316 ARM: 36.12.101 36.16.101	Use	1:24	DNRC
Indian and Federal Reserved Water Rights	MCA 85-2-Part 7	Use	1:24	DNRC
Dam Safety Act	MCA 85-15-210 ARM: ~36.14.101 to 36.14.803	Use	1:24	DNRC

Item (existing or potential)	Statue & Rules (MCA, ARM, USC, CFR)	Class	Scale	Agency
Major Facilities Siting Studies	MCA 75-20-101 et seq.	Use	1:24	DEQ
Environmental Impact Statements	MCA 75-1-201 et seq. ARM 17.4.600 et seq. 42 USC § 4321 et seq. 40 CFR 1502	Use	1:24	DEQ
Coal mine permitting & reclamation plan development	MCA 82-4-205 ARM 17.24.304 ARM 17.24.314 ARM 17.24.634	Use	1:24	DEQ
Land acquisitions (riparian habitat and recreational opportunities)		Use	1:24	FWP*
Energy facility siting (oil & gas)		Use	1:24	FWP*
Landscape and Ecosystem Assessment and Modeling		Use	1:24	NHP

*All FWP use of the 24K is dependent on the presence and maintenance of a whole stream identifier

National Hydrography Dataset Stewardship Needs from MSL/NRIS WIS Manager

NHD Issues, Concerns, Needs	Scale	State Agency
Water names Geographic Names Information System (GNIS)	1:24	All
Feature Type editing (flow line, points, area)	1:24	All
2D / Multichannel streams	1:24	All
Border harmonizations	1:24	All, LCC; StreamStats; Northern Sagebrush Steppe Initiative; Energy; Western Governors' Association Crucial Habitat Analysis Tools (CHAT)
Whole stream identifier (LLID relate)	1:24	FWP, MDT, DEQ
100-yr floodplain	1:24	MDT; DEQ; Commerce; DNRC; others?
Wetlands	1:24	NHP; MDT; DEQ; DNRC; FWP; others?
Networking capabilities	1:24	FWP; others?
Stream Order	1:24	MDT, DEQ