

## APPENDIX D: 2019 Regional & Reconstructed Hydrology (HH1) Products

Station ID	Description	Period of Recorded Data	Estimated Record Adopted from 2013 Study	Estimated Record Produced for HH1	HEC-ResSim Model Component
-	INFLOW TO RAFFERTY RESERVOIR	-	-	1930-2017	Reservoir Inflow
-	INFLOW TO BOUNDARY RESERVOIR	-	-	1930-2017	Reservoir Inflow
-	INFLOW TO GRANT DEVINE RESERVOIR	-	-	1930-2017	Reservoir Inflow
-	INFLOW TO LAKE DARLING RESERVOIR	-	-	1930-2017	-
-	RAFFERTY RESERVOIR EVAPORATION	-	-	1930-2017	Evaporation
-	BOUNDARY RESERVOIR EVAPORATION	-	-	1930-2017	Evaporation
-	GRANT DEVINE RESERVOIR EVAPORATION	-	-	1930-2017	Evaporation
-	LAKE DARLING EVAPORATION	-	-	1930-2017	Evaporation
05NB007	SOURIS RIVER NEAR ESTEVAN	1911-1924, 1933-1955, 1966-1970	1956-1965, 1971-2011	1930-1932, 2012-2017	-
05ND009	SOURIS RIVER NEAR ROCHE PERCEE	1956-1995	1946-1955, 1996-2011	1930-1945, 2012-2017	-
05ND004	MOOSE MOUNTAIN CREEK NEAR OXBOW	1913-1917, 1933-2014	-	1930-1932, 2015-2017	-
05ND003	SOURIS RIVER NEAR OXBOW	1928-1930, 1943-1970	1971-2011	1930-1942, 2012-2017	-
05ND001	SOURIS RIVER NEAR GLEN EWEN	1970-1994	1946-1969, 1995-2011	1930-1945, 2012-2017	-
05ND007/05114000	SOURIS RIVER NEAR SHERWOOD	1930-present	-	1930 <sup>1</sup>	-
05116500	DES LACS RIVER AT FOXHOLM	1946-present	-	1930-1945	Tributary Inflow
-	SOURIS RIVER AT DES LACS CONFLUENCE	-	1946-2011	1930-1945, 2012-2017	-
-	SOURIS RIVER NEAR VELVA	-	1946-2011	1930-1945, 2012-2017	-
05120000	SOURIS RIVER NEAR VERENDRYE	1937-present	-	1930-1936	-
05120500	WINTERING RIVER NEAR KARLSRUHE	1937-present	-	1930-1936	Tributary Inflow
05122000	SOURIS RIVER NEAR BANTRY	1937-present	-	1930-1936	-
05123400	WILLOW CREEK NEAR WILLOW CITY	1956-present	1946-1955	1930-1945	Tributary Inflow
05123510	DEEP RIVER NEAR UPHAM	1957-present	1946-1956	1930-1945	Tributary Inflow
05123750	CUT BANK CREEK AT UPHAM	1974-2000	1946-1973, 2001-2011	1930-1945, 2012-2017	Tributary Inflow
05123500	STONE CREEK NEAR KRAMER	1986-2000	1946-1985, 2001-2011	1930-1945, 2012-2017	Tributary Inflow
05123900	BOUNDARY CREEK NEAR LANDA	1957-2000	1946-1956, 2001-2011	1930-1945, 2012-2017	Tributary Inflow
05124000/05NF012	SOURIS RIVER NEAR WESHOPE	1930-present	-	1930 <sup>1</sup>	-
-	LF - RESERVOIRS TO ROCHE PERCEE	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - ROCHE PERCEE TO OXBOW	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - OXBOW TO GLEN EWEN	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - GLEN EWEN TO SHERWOOD	-	1946-2011	1930-1945, 2012-2017	Local Flow

-	LF - SHERWOOD TO LAKE DARLING	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - FOXHOLM TO BURLINGTON (DES LACS)	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - FOXHOLM TO DES LACS CONFLUENCE (SOURIS)	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - DES LACS CONFLUENCE TO MINOT	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - MINOT TO VELVA	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - VELVA TO VERENDRYE	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - BANTRY TO DAM 320/326	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - DAM 320/326 TO DAM 332	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - DAM 332 TO DAM 341	-	1946-2011	1930-1945, 2012-2017	Local Flow
-	LF - DAM 341 TO DAM 357/WESTHOPE	-	1946-2011	1930-1945, 2012-2017	Local Flow

<sup>1</sup> Record had to be estimated for a portion of the year 1930