_			Hydrogeologic role/unit inferred from					Hydrogeologic unit of Wyoming Framework	Hydrogeologic unit of Bartos and Hallberg,	Hydrogeologic unit of Bartos and others,	
SYSTEM AND SERIES		Lithostratigraphic units of Love and others (1993) ¹	groundwater potential evaluation of Wyoming Water Planning Program (1972, Table III-2) ³ [Snake and Salt River Basins]	Hydrogeologic divisions of Lines and Glass (1975, Sheet 1)⁴ [Overthrust Belt]	Hydrogeologic role/unit of Ahern and others (1981, Figure II-7, Table IV-1, and text) [Overthrust Belt and Green River Basin]		Hydrogeologic unit of Mills (1989) and Mills and Huntoon (1989) [eastern Gros Ventre Range]	Water Plan (WWC Engineering and others, 2007, Figure 4-9) [All of Wyoming]	(2010, Figures 5-2, 5-3, 5-4, text, and references therein) [Green River Basin]	(2012, Plate II, text, and references therein) [Wind River Basin]	Hydrogeologic unit used in this report for Snake/Salt River Basin
QUATERNARY	Holocene	Alluvium, terrace, and glacial deposits ¹	Good aquifers	8–Quaternary sand and gravel	Major aquifer–Quaternary aquifer			Major aquifer–alluvial	Quaternary aquifers/hydrogeologic units	Quaternary unconsolidated-deposit aquifers	Quaternary unconsolidated-deposit aquifers
COALENNAN	Pleistocene	Leidy Formation						Not discussed			Hydrogeologic role/unit not defined
	Pliocene	Huckleberry Ridge Tuff						Not discussed			Quaternary and Tertiary volcanic rocks
		Shooting Iron Formation	Not discussed/not defined	\$	Major aquifer			Not discussed	Not present in investigators' study area	Not discussed/not present in investigators' study area	Hydrogeologic role/unit not defined
			Conant Creek Tuff at time of study Camp Davis Formation Camp Camp Davis Formation	ت الله الله الله الله الله الله الله الل				adnite			rocks
		0						Not discussed			Quaternary and Tertiary volcanic rocks
		Teewinot Formation	Poor aquifer					S Major aquifer			Teewinot aquifer
DICZ OR TERTIARY											
		Colter Formation	Fair to poor aquifer					Marginal aquifer			Hydrogeologic role/unit not defined
	Oligocene				Not discussed/not present or not defined in investigators' study area at time of study						
		White River Formation	Not discussed					Marginal aquifer	White River aquifer	White River aquifer	White River aquifer
		Intrusive igneous rocks Tepee Trail Formation	Poor aquifer Not discussed	1–Igneous and metamorphic rocks				Marginal aquifer Not discussed	Not discussed/not present	Not discussed Aycross–Wagon Bed	Quaternary and Tertiary volcanic rocks Hydrogeologic role/unit not defined
		Hominy Peak Formation Aycross Formation	Not discussed					Not discussed Not discussed		Not present confining unit	Hydrogeologic role/unit not defined Hydrogeologic role/unit not defined
							Not discussed				
		Wind River Formation ²	Poor to good aquifer	7–Tertiary conglomerate and tuffs; Tertiary siltstones and sandstones				Major aquifer–sandstone		Wind River aquifer	Wind River aquifer
		Devils Basin Formation No	Proje Formation No. 1						in investigators' study area		
	Paleocene	Pinyon Conglomerate	ot discussed Fair to poor aquifer					Not discussed		Hydrogeologic role/unit not define	d
	Upper Cretaceous	Harebell Formation	Good aquifer					Marginal aquifer		Meeteetse–Lewis confining unit	Hydrogeologic role/unit not defined
CRETACEOUS		Meeteetse Formation	Poor aquifer					Major aquitard			Meeteetse confining unit
		Mesaverde Formation	Poor aquifer		Major aquifer–Mesaverde aquifer Not discussed/not present in			Minor aquifer	Mesaverde aquifer	Mesaverde aquifer	Mesaverde aquifer
		Sohare Formation	Not discussed					Marginal aquifer	Not present in investigators' study area	Not present in investigators' study area	Hydrogeologic role/unit not defined
		Bacon Ridge Sandstone			investigators' study area			Marginal aquifer			Hydrogeologic role/unit not defined
		Cody Shale Frontier Formation	Poor aquifer Probably poor aquifer	5–Cretaceous shales	Minor aquifer		_	Major aquitard Minor aquifer	Baxter-Mowry confining unit	Cody confining uni Frontier aquifer and confining unit	t Cody confining unit Frontier aquifer
	Lower Cretaceous Upper Jurassic	Mowry Shale	Confining unit	and sandstones; Jurassic and Cretaceous	Not discussed/not present in investigators' study area		—	Major aquitard		Mowry confining unit	Mowry confining unit
		Muddy Sandstone	Probably poor aquifer	sandstones and limestones				Not discussed		Muddy Sandstone aquifer	Muddy Sandstone aquifer
		Thermopolis Shale	Confining unit					Major aquitard		Thermopolis confining unit	Thermopolis confining unit
		Cloverly Formation	Fair to poor aquifer					Minor aquifer	Cloverly aquifer	Cloverly aquifer	Cloverly aquifer
	Middle	– Morrison Formation Sundance Formation	Probably poor aquifer Poor aquifer (?)					Minor aquifer Marginal aquifer	Morrison confining unit Sundance aquifer and confining unit	Morrison confining unit Sundance aquifer	Morrison confining unit Sundance aquifer
	Jurassic	Gypsum Spring Formation	Poor aquifer					Marginal aquifer	Gypsum Spring confining unit	Gypsum Spring confining unit	Gypsum Spring confining unit
JURASSIC (?) AN	ND TRIASSIC (?		Fair to good aquifer		Major aquifer			Major aquifer–sandstone	Nugget aquifer	Nugget aquifer	Nugget aquifer
TRIASSIC	Upper Triassic Lower	Chugwater Formation	Fair to poor aquifer (?)	2 Triancia and Dennian	Not disc	cussed	Phosphoria-Dinwoody-Chugwater	Major aquitard	Churrunter Dinungdu	Chugwater-Dinwoody	Chugwater aquifer and confining unit
	Triassic	Dinwoody Formation	Confining unit	3–Triassic and Permian siltstones and limestones	Aquitard with locally productive zones		confining unit	Marginal aquifer	Chugwater-Dinwoody confining unit	confining unit	Dinwoody aquifer and confining unit
PERMIAN	Upper	Phosphoria Formation and related rocks	Poor aquifer		Minor aquifer–locall	ly confining	T 1 Y (1) 1 1	Minor aquifer		Phosphoria aquifer and confining unit	Phosphoria aquifer and confining unit
	Pennsylvanian	Tensleep Sandstone	Poor to good aquifer		Major aquif	fer	Tensleep aquifer (includes lower sandstones of Phosphoria Formation)	Major aquifer	Tensleep aquifer	Tensleep aquifer	Tensleep aquifer
	Middle Pennsylvanian		Fair to poor aquifer								
	Lower Pennsylvanian	Amsden Formation			Minor aquifer—locally confining		Amsden confining unit	Marginal aquifer	Amsden aquifer and(or) confining unit	Amsden aquifer	Amsden aquifer
MICOLOGICS	Upper Mississippian	Madican Limestana				for		Malana 16 Paris	••• ··· ···	Madiana 16	NAL-BL Y
MISSISSIPPIAN	Lower Mississippian	- Madison Limestone	Fair to good aquifer		Major aquif		Madison aquifer/subaquifer	Major aquifer–limestone	Madison aquifer	Madison aquifer	Madison aquifer
DEVONIAN	Upper Devonian	Darby Formation	Fair to poor aquifer		Major aquif	fer	Darby aquifer/subaquifer	E Major aquifer-limestone	Darby confining unit	Darby aquifer	Darby aquifer
	Lower	-	Bighorn Dolomite Fair to poor aquifer					syste		201	
SILURIAN	Devonian Upper and						000	duffer		Palec	
	Middle Silurian Upper	Dighorn Dolomito		Major aquifer		Bighorn aquifer/subaquifer	ອ ອ ອີ Major aquifer–limestone		Bighorn aquifer	Bighorn aquifer	
ORDOVICIAN	Ordovician		-							bigitorii aduitei	
	Middle Ordovician										
	Lower Ordovician							Wat	Bighorn aquifer		
CAMBRIAN	Upper	Gallatin	Probably poor aquifer		Minor or viter	Not discuss -	Colletia posificatoria a 16	Minor aquifer		Gallatin confining unit	Gallatin aquifer and confining unit
	Cambrian	Limestone	Frobably poor aquiter		Minor aquifer	Not discussed	Gallatin aquifer/subaquifer	ivinor aquiter		Gallatin Contining unit	Galiatin aquifer and confining unit
	NA: LU	Gros Ventre Formation	Probably poor aquifer		Aquitard/regio	onal aquitard	Park Shale confining unit Death Canyon aquifer Wolsey Shale confining unit	Minor aquifer	Gros Ventre confining unit	Gros Ventre confining unit	Gros Ventre aquifer and confining unit
	Middle Cambrian	Flathead Sandstone	Poor to good aquifer		Minor aquifer–F			 Major aquifer–limestone⁵	Flathead aquifer	Flathead aquifer	Flathead aquifer
PRECAMB	RIAN	Precambrian rocks	Recharge areas	1–Igneous and metamorphic rocks	Minor aquifer–Pre	· · ·	Not discussed	Major aquitard	Precambrian basal confining unit	Precambrian basal confining unit	Precambrian basal confining unit
								· · ·			

¹Alluvium, terrace deposits, and glacial deposits of Quaternary age not included in Love and others (1993). ²Includes upper variegated sequence, coal sequence, and lower variegated sequence.

³Poor aquifer is defined as potential well yield less than or equal to 50 gallons per minute (gal/min); fair aquifer is defined as potential well yield greater than 50 gal/min and less than or equal to 350 gal/min; and good aquifer is defined as potential well yield greater than 350 gal/min (Wyoming Water Planning Program, 1972, Table III-2, p. 60). ⁴Lithostratigraphic units grouped into eight hydrogeologic divisions based on "somewhat similar origins, lithologies, and water-bearing properties" (Lines and Glass, 1975, Sheet 1). ⁵Predominant lithology is sandstone, and it is unknown why formation is defined as "Major aquifer–limestone" in WWC Engineering and others (2007, Figure 4-9).