SYSTEM AND SERIES		S	Lithostratigraphic units of Love and others (1993) ¹		Hydrogeologic role/unit inferred from groundwater potential evaluation of Wyoming Water Planning Program (1972, Table III-2)² [Snake and Salt River Basins]			Hydrogeologic unit of Wyoming Framework Water Plan (WWC Engineering and others, 2007, Figure 4-9) [All of Wyoming]			Hydrogeologic unit of Bartos and others, 2012 (Plate II, text, and references therein) [Wind River Basin]				Hydrogeologic unit of Bartos and others, 2012 (Plate III, text, and references therein) [Bighorn Basin]				
			A Yellowstone Volcanic Area B Absaroka and Washakie Ranges		A Yellowstone Volcanic Area		B Absaroka and Washakie Ranges	B Absaroka and Washakie Ranges A Yellowstone Volcanic Ar		c Area <i>B</i> Absaroka and Washakie Ranges		A Yellowstone Volcanic Area B Absaroka and Washakie Ranges			Washakie Ranges	A Yellowstone Volcanic Area B Absaroka and Washakie Ranges			/ashakie Ranges
	Holoc	ene So	Sediments ¹ Alluvium, terrace, and glacial deposits ¹		Good aquifer		l aquifer		Major aquifer–alluvial			Quaternary unconsolida	ted-deposit aquifers	deposit aquifers		Ωuaternary unconsolidated			
QUATERN	ARY Pleisto	cene Undine Falls B Sediments and ba of the Narrov	Lava Creek Undine Falls Basalt Mount Jackson Rhyolite Sediments and basalts of the Narrows Lewis Canyon Rhyolite		- - - Poor ac	Poor aquifer		Marginal aquifer			Not discussed/not present in Wind River Basin								
	Plioce	Andesite, rhyolite, basalt, and gravel Heart Lake conglomerate, intrusive rocks, and basalt Conant Creek Tuff Caldwell Canyon Volcanics		_	Poor aquifer				Marginal	l aquifer		Not discussed/not present in Wind River Basin			Quaternary and Tertiary volcanic-rock aquifers				
NOZOIC	Mioce			Fair to poor aquifer			Margir	Marginal aquifer		-		Not discussed		-		Not discussed		_	
3	Oligoc	ene White F	e White River Formation		Not discussed		-	Margir	Marginal aquifer		-		White River aquifer		F		White River aquifer		
TERTIAF	RY	ous rocks c Supergroup miny Peak Formation Group Thorofare Creek	Intrusive igneous rocks Intrusive igneous rocks Intrusive igneous rocks Intrusive igneous rocks Intrusive igneous rocks		Poor aquifer						Not discussed Not discussed		Not discussed/not present in Wind River Basin		Not discussed/not present in Wind River Basin Aycross-Wagon Bed confining unit Aycross-Wagon Bed confining unit		Ωuaternary and Tertian (Absaroka Volcanic		
	Eoce	Absaroka					Not discussed Not discussed												Not discussed
				randall Conglomerate Wind River Formation	-		Not discussed Poor to good aquifer	_		Not discussed	Major aquifer– sandstone	_		Not discussed	Wind River aquifer			Not discussed	Not discussed
	Paleoc		Pinyon Conglomerate	Pinyon Conglomerate		Fair to poor aquifer	Fair to poor aquifer		Not discussed	Not disc	cussed	_	Not discussed	Not di	scussed		Not discussed	Not disc	ussed
		Landslide Creek Formation	i	taceous (?) Harebell Formation	Poor aquifer (?)	Good aquifer	– Good aquifer		Marginal aquifer	Not M	larginal aquifer	Not discussed	Not discussed	Not discussed	Not discussed	Not discussed	Not discussed	Not f	lot discussed Hydro
				eous rocks															
	Upper Cretaceous US Lower Cretaceous			Mesaverde Formation	-		Poor aquifer	_	_	Minor a	aquifer	_	_				1		
				Sohare Formation	Fair to poor aquifer (?)		Not discussed	Not discussed		Marginal	l aquifer	Not discussed				Not discussed			Hydro
CRETACEO		Eagle Sandstone Telegraph Creek Forma	Bacon Ridge Sandstone	Bacon Ridge Sandstone	Probably fair aquifer Fair to poor aquifer	Good aquifer	Good aquifer	Not discussed Not discussed	— Marginal aquifer	Marginal	l aquifer	Not discussed Not discussed	Not discussed	Not di	scussed	Not discussed Not discussed	Not discussed	Not disc	ussed Hydro
		Cody Shale	Cody Shale	Cody Shale	Poor aquifer	Poor aquifer	Poor aquifer	Major aquitard	Major aquitard	Major a	quitard	Cody confining unit	Cody confining unit	Cody cor	fining unit	Cody confining unit	Cody confining unit	Cody conf	
		Frontier Formation Mowry Shale	Frontier Formation Mowry Shale	Frontier Formation Mowry Shale	Probably poor aquifer	Probably poor aquifer Confining unit	Probably poor aquifer Confining unit	Minor aquifer	Minor aquifer	Minor a Major a		Frontier aquifer Mowry confining unit	Frontier aquifer Mowry confining unit		r aquifer	Frontier aquifer Mowry confining unit	Frontier aquifer Mowry confining unit	Frontier Mowry con	
ZOIC		Muddy Sandstone		Muddy Sandstone	Confining unit Probably poor aquifer	Probably poor aquifer	Probably poor aquifer	Major aquitard Not discussed	Major aquitard Not discussed	Not disc			Muddy Sandstone aquifer		nfining unit stone aquifer	Muddy Sandstone aquifer		Muddy Sands	
MESC		eous		Thermopolis Shale	Confining unit	Confining unit	Confining unit	Major aquitard	Major aquitard	Major a	quitard	Thermopolis confining unit	Thermopolis confining unit	Thermopolis	confining unit	Thermopolis confining unit	Thermopolis confining unit	Thermopolis c	onfining unit
	Upper Ju	Kootenai Formatio	-	Cloverly Formation Morrison Formation	Fair to poor aquifer Probably poor aquifer	Fair to poor aquifer Probably poor aquifer	Fair to poor aquifer Probably poor aquifer	Minor aquifer	Minor aquifer Minor aquifer	Minor a Minor a	-	Not discussed	Not discussed Morrison confining unit		onfining unit	Not discussed	Cloverly aquifer	Cloverly Morrison confining	
	Opper 3u	Swift Formatio			Fair to poor aquifer			Minor aquifer			aquilei	Morrison confining unit		Wornson c		Morrison comming unit and aquiter	Morrison confining unit and aquifer		
JURASS	IC Midd Juras	sic Rierdon Format		Sundance Formation	Confining unit	Fair to poor aquifer	Fair to poor aquifer	Not discussed	Marginal aquifer	Marginal		Not discussed	Sundance aquifer		ce aquifer	Not discussed	Sundance confining unit and aquifer Gypsum Spring confining unit	Sundance confinin	
JURASSIC	?) AND TRIASSI		ion Gypsum Spring Formation	Gypsum Spring Formation Nugget Sandstone	Poor aquifer	Poor aquifer	Poor aquifer Fair to good aquifer		Marginal aquifer	Marginal Major aquifer–sand		_	Gypsum Spring confining unit		g confining unit		and aquifer	Gypsum Spring confir Nugget ac	
	Upper Tr		Chugwater	Chugwater Formation		Fair to poor aquifer	Fair to poor aquifer		Marginal aquifer	Marginal		_	Chugwater aquifer		r and confining unit		Chugwater aquifer	Chugwate	
TRIASS	C Low Trias	er Chugwater Formatio		Dinwoody Formation	Fair to poor aquifer Confining unit	Confining unit	Confining unit	Marginal aquifer Marginal aquifer	Marginal aquifer	Marginal		Chugwater aquifer and confining unit Dinwoody confining unit	and confining unit Dinwoody confining unit		onfining unit	Chugwater aquifer Dinwoody confining unit	Dinwoody confining unit	Dinwoody co	
PERMIA		Phosphoria Formati and related rocks	on Phosphoria Formation	Phosphoria Formation and related rocks	Poor aquifer	Poor aquifer	Poor aquifer	Minor aquifer	Minor aquifer	Minor a	·	Phosphoria aquifer and confining unit	Phosphoria aquifer and confining unit		r and confining unit	Phosphoria aquifer and confining unit	Phosphoria aquifer and confining unit	Phosphoria aquifer	
	Pennsylv /		Tanalaan Candatana	Tanalaan Candatana	-	Decesto acod oquifor	Deaste good on:ifer	_	Maine aguitar limaatan 3	Maiaraquifa	- limenter o3		Tanalaan anuifar	Tanalaa	if		Tanalaan anuitan	Tanalaan	
PENNSYIVA	NIAN Pennsylv			Tensleep Sandstone	Fair to poor aquifer (?) Fair to poor aquifer	Poor to good aquifer	Poor to good aquifer	Not discussed Marginal aquifer	Major aquifer–limestone ³	Major aquifer	r–limestone"	Not discussed Amsden aquifer	Tensleep aquifer	Tensiee	p aquifer	Not discussed Amsden confining unit	Tensleep aquifer	Tensleep	aquiter
	Low Pennsylv Upp	vanian	Amsden Formation	Amsden Formation		Fair to poor aquifer	Fair to poor aquifer		Marginal aquifer	Marginal	l aquifer		- Amsden aquifer	Amsde	n aquifer		Amsden confining unit	Amsden cor	fining unit
MISSISSIP	PIAN Low	ppian S d Nission Canyo Limestone Er e c Lodgepole	Madison Limestone	Madison Limestone	Fair to good aquifer	Fair to good aquifer	Fair to good aquifer	Major aquifer–limestone	Major aquifer-limestone	Major aquife	r-limestone	Madison aquifer	Madison aquifer	Madiso	n aquifer	Madison aquifer	Madison aquifer	Madison	aquifer
All DEVONIAN	Mississi Uppe Devon Lowe Devon																		
		ian	— Darby Formation	Darby Formation	Confining unit	Fair to poor aquifer	Fair to poor aquifer	Major aquifer–limestone	Major aquifer–limestone	Major aquife	er–limestone	Not discussed	Darby aquifer	Darby	aquifer	Not discussed	Darby aquifer	Darby a	quifer
		Jefferson Formatio	n		Fair to poor aquifer														
SILURIA	N middle S	and Iurian																	
ORDOVIC	Upp		Bighorn Dolomite	Bighorn Dolomite	Fair to poor aquifer	Fair to poor aquifer	Fair to poor aquifer	Major aquifer–limestone	Major aquifer–limestone	Major aquife	r-limestone	Bighorn aquifer	Bighorn aquifer	Bighor	n aquifer	Bighorn aquifer	Bighorn aquifer	Bighorn	aquifer
	Lower Ord Upp Cambr	er Ling 2 Pilgrim	Gallatin Limestone	B B B B B B B B B B B B B B B B B B B	Poor aquifer Not discussed	Probably poor aquifer	Poor aquifer Not discussed Probably poor aquifer	Minor aquifer	Minor aquifer	Minor a	aquifer	Gallatin confining unit	Gallatin confining unit	Gallatin co	nfining unit	Gallatin confining unit	Gallatin confining unit	Gallatin cor	fining unit
CAMBRI		Park Shale Meagher Limeston	e Gros Ventre Formation	Gros Ventre Formation	Confining unit Poor aquifer	Probably poor aquifer	Probably poor aquifer	Not discussed	Minor aquifer	Minor a	aquifer	Not discussed	Gros Ventre confining unit	Gros Ventre	confining unit	Gros Ventre confining unit	Gros Ventre confining unit	Gros Ventre c	onfining unit
	Camb	ian Wolsey Shale			Confining unit	Decista de 11	De la 1 1	Meine K	Mainana			Flash 1 17	Flasher 1		d oguif	El-Al I ''	Flash 1 17		
PRECAN	MBRIAN	Flathead Sandston Precambrian rocks		Flathead Sandstone Precambrian rocks	Poor to good aquifer Recharge areas	Poor to good aquifer Recharge areas	Poor to good aquifer Recharge areas	Major aquifer–sandstone Major aquitard	Major aquifer–sandstone Major aquitard	Major aquifer Major a		Flathead aquifer Precambrian basal confining unit	Flathead aquifer Precambrian basal confining unit		d aquifer sal confining unit	Flathead aquifer Precambrian basal confining unit	Flathead aquifer Precambrian basal confining unit	Flathead Precambrian bas	
L						_							J		~				-

¹Alluvium, terrace deposits, and glacial deposits of Quaternary age not included in Love and others (1993). Includes deposits of Holocene and Pleistocene age. ²Poor 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).

³Predominant lithology is sandstone, and it is unknown why formation is defined as "Major aquifer–limestone" in WWC Engineering and others (2007, Figure 4-9).

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nces therein)	Hydrogeologic ur	it of Bartos and others, 2 [Bighori		ferences therein)	Hydrogeologic unit used in this report for Snake/Salt River Basin					
hakie Ranges	A Yellowstone	Volcanic Area	<i>B</i> Absaroka and	Washakie Ranges	A Yellowstone Volcanic Area B Absaroka and Washakie Ranges					
		Quaternary unconsolic	lated-deposit aquifers			Quaternary unconsoli	dated-deposit aquifers			
ot present Basin		Quaternary and Tertiary			Quaternary unconsolidated-deposit aquifers					
	Not dis	cussed			Hydrogeologic role/unit not defined					
	White Riv	er aquiter			White River aquifer					
ot present Basin cross-Wagon Bed confining unit cross-Wagon Bed confining unit		Quaternary and Tertiary (Absaroka Volcanic S	v volcanic rock aquifers Supergroup aquifers)	Not discussed Hydrogeologic role/unit not defined		Quaternary and Ter	ertiary volcanic rocks Hydrogeologic role/unit not defined Hydrogeologic role/unit not defined			
			Not discussed		-		Hydrogeologic role/unit not defined			
Wind River aquifer				Not discussed				Wind River aquifer		
sed		Not discussed	Not dis	scussed	-		drogeologic role/unit not defi			
discussed	Not discussed	Not discussed	Not discussed	Not discussed	Hydrogeologic role/unit not defined	Hydrogeologic role/unit not defined	Hydrogeologic role/unit not defined	logic role/unit not defined		
sed	Not discussed Not discussed Not discussed	Not discussed Not discussed Not discussed		scussed	Hydrogeologic role/unit not defined Hydrogeologic role/unit not defined Hydrogeologic role/unit not defined	ну	Mesaverde aquifer Hydrogeologic role/unit not defined rdrogeologic role/unit not defined			
ıg unit	Cody confining unit	Cody confining unit	Cody con	fining unit		Cody confining unit				
uifer	Frontier aquifer	Frontier aquifer Frontier aquifer Frontier aquifer		r aquifer	Frontier aquifer					
ing unit	Mowry confining unit Mowry confining unit			nfining unit	Mowry confining unit					
ne aquifer	Muddy Sandstone aquifer	Muddy Sandstone aquifer		Istone aquifer			Istone aquifer			
fining unit sed	Thermopolis confining unit Not discussed	Thermopolis confining unit Cloverly aquifer		confining unit y aquifer			confining unit y aquifer			
ning unit	Morrison confining unit and aquifer			ng unit and aquifer			onfining unit			
quifer	Not discussed	Sundance confining unit and aquifer	Sundance confining unit and aquifer		Hydrogeologic role/unit not defined	Sundance aquifer				
nfining unit		Gypsum Spring confining unit and aquifer		fining unit and aquifer			Gypsum Spring confining uni			
fer			Nugget a	aquifer	-	[Nugget a	Iquifer		
d confining unit	Chugwater aquifer	Chugwater aquifer	Chugwat	ter aquifer		Chugwater aquife	r and confining unit			
ning unit	Dinwoody confining unit	Dinwoody confining unit	Dinwoody o	confining unit		Dinwoody aquifer	r and confining unit			
d confining unit	Phosphoria aquifer and confining unit	Phosphoria aquifer and confining unit		r and confining unit			r and confining unit			
		, , , , , , , , , ,				[
uifer	Not discussed	Tensleep aquifer	Tenslee	p aquifer		Tenslee	p aquifer			
uifer	Amsden confining unit	Amsden confining unit	Amsden co	onfining unit		Amsde	aquifer			
					-					
uifer	Madison aquifer	Madison aquifer	Madiso	n aquifer	Madison aquifer					
ifor	Net J.	Desks "		oquife-			oquifer			
ifer	Not discussed	Darby aquifer	Darby	aquifer	Darby aquifer					
uifer	Bighorn aquifer Bighorn aquifer		Bighori	n aquifer		Bighorr	aquifer			
ing unit	Gallatin confining unit	Gallatin confining unit	Gallatin co	onfining unit		Gallatin aquifer a	and confining unit			
iining unit	Gros Ventre confining unit				Hydrogeologic role/unit not defined	Init Gros Ventre aquifer and confining unit				
uifer confining unit	Flathead aquifer Precambrian basal confining unit	Flathead aquifer		d aquifer sal confining unit		Flathea Precambrian ba				
summy unit	I	unun vasai cuttittina unit l	i recalliulidii Da	car comminy util	1		oar oomming utill			