

Appendix I

**Documented Occurrences of Soil Types, 303D Waterbodies,
Wild & Scenic Rivers, Roadless Areas, and
Research Natural Areas by Ranger District and HUCS 4 and 5
On the Salmon-Challis National Forest**

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Documented Occurrences of Soil Types, 303D Water Bodies, Wild & Scenic Rivers, Roadless Areas, and Research Natural Areas by Ranger District and HUCs 4 and 5 On the Salmon-Challis National Forest.

	SOIL TYPES	(%) ⁽¹⁾	303D (Miles)	WILD & SCENIC RIVER ⁽²⁾ (Acres)	ROADLESS (Acres)	RESEARCH NATURAL AREAS	(Acres)
CHALLIS RANGER DISTRICT							
HUC4: LOWER MIDDLE FORK SALMON							
HUC5: UPPER CAMAS CREEK	VALLEY BOTTOM	4%					
	VOLCANIC	96%			14,762		
HUC4: MIDDLE SALMON-PANTHER							
HUC5: HAT CREEK	QUARTZITE	100%			19,299		
HUC5: IRON CREEK	VOLCANIC	100%			872		
HUC4: PAHSIMEROI							
HUC5: BIG CREEK	QUARTZITE	47%			100,611		
	SEDIMENTARY	49%					
	VOLCANIC	4%					
HUC5: LOWER PAHSIMEROI	QUARTZITE	56%			30,475		
	VOLCANIC	44%					
HUC5: MIDDLE PAHSIMEROI	QUARTZITE	63%			79,869	MILL LAKE	447
	SEDIMENTARY	25%					
	VOLCANIC	12%					
HUC5: UPPER PAHSIMEROI	SEDIMENTARY	96%	1.4		34,909	MERRIAM LAKE BASIN	775
	VOLCANIC	4%				MAHOGANY CREEK	3,618
HUC4: UPPER SALMON							
HUC5: CHALLIS CREEK	QUARTZITE	< 1%			97,363		
	SEDIMENTARY	6%					
	VALLEY BOTTOM	3%					
	VOLCANIC	90%					
HUC5: GRANDVIEW	SEDIMENTARY	61%			25,340		
	VOLCANIC	39%					
HUC5: MORGAN CREEK	QUARTZITE	< 1%			57,539		
	VOLCANIC	> 99%					
LEADORE RANGER DISTRICT							
HUC4: LEMHI BASIN							
HUC5: EIGHTEEN MILE	GRANITIC	4%			72,614		
	QUARTZITE	19%					
	SEDIMENTARY	61%					
	VALLEY BOTTOM	< 1%					

		SOIL TYPES	(%) ⁽¹⁾	303D (Miles)	WILD & SCENIC RIVER ⁽²⁾ (Acres)	ROADLESS (Acres)	RESEARCH NATURAL AREAS	(Acres)
LEADORE RANGER DISTRICT								
		VOLCANIC	16%					
HUC5:	HAYDEN	QUARTZITE	79%			60,473	BEAR VALLEY CREEK	2,491
		VALLEY BOTTOM	8%				MILL LAKE	65
		VOLCANIC	13%					
HUC5:	LOWER LEMHI	QUARTZITE	77%			29,662	KENNEY CREEK	1
		VALLEY BOTTOM	< 1%					
		VOLCANIC	22%					
HUC5:	MIDDLE LEMHI	GRANITIC	4%			66,217	MILL LAKE	203
		QUARTZITE	63%					
		SEDIMENTARY	11%					
		VALLEY BOTTOM	7%					
		VOLCANIC	15%					
HUC5:	TENDROY	QUARTZITE	> 99%			26,524	KENNEY CREEK	1,591
		VOLCANIC	< 1%					
HUC5:	TIMBER CREEK	GRANITIC	2%			68,418	SHEEP MOUNTAIN	85
		QUARTZITE	48%					
		SEDIMENTARY	19%					
		VALLEY BOTTOM	11%					
		VOLCANIC	20%					
HUC4: MIDDLE SALMON-PANTHER								
HUC5:	SALMON	QUARTZITE	54%			510		
		VOLCANIC	46%					
LOST RIVER RANGER DISTRICT								
HUC4: BIG LOST								
HUC5:	ANTELOPE CREEK	GRANITIC	1%	6.5		91,191	IRON BOG	454
		SEDIMENTARY	11%				SMILEY MOUNTAIN	902
		VOLCANIC	88%					
HUC5:	ARCO	SEDIMENTARY	100%			17,066		
HUC5:	DRY CHANNEL BIG LOST RIVER	SEDIMENTARY	100%			1,490		
HUC5:	EAST FORK BIG LOST RIVER	GRANITIC	11%	46.5		174,917	SURPRISE VALLEY	1,509
		SEDIMENTARY	36%				SMILEY MOUNTAIN	2,199
		VOLCANIC	53%					
HUC5:	MACKAY	SEDIMENTARY	71%			88,448		
		VOLCANIC	29%					
HUC5:	NORTH FORK BIG LOST RIVER	GRANITIC	4%			72,725		
		SEDIMENTARY	69%					
		VOLCANIC	27%					
HUC5:	WILLOW CREEK	SEDIMENTARY	61%			96,830	MAHOGANY CREEK	79

		SOIL TYPES	(%) ⁽¹⁾	303D (Miles)	WILD & SCENIC RIVER ⁽²⁾ (Acres)	ROADLESS (Acres)	RESEARCH NATURAL AREAS	(Acres)
LOST RIVER RANGER DISTRICT								
		VOLCANIC	39%					
HUC4: LITTLE LOST								
HUC5:	LITTLE LOST SINKS	QUARTZITE	6%			35,841	MIDDLE CANYON	2,322
		SEDIMENTARY	94%					
HUC5:	LOWER LITTLE LOST	QUARTZITE	10%			74,130	MIDDLE CANYON	18
		SEDIMENTARY	87%					
		VOLCANIC	3%					
HUC5:	MIDDLE LITTLE LOST	QUARTZITE	12%	16.2		91,081	MEADOW CANYON	270
		SEDIMENTARY	74%					
		VOLCANIC	14%					
HUC5:	UPPER LITTLE LOST	QUARTZITE	26%	7.2		67,920	SHEEP MOUNTAIN	324
		SEDIMENTARY	45%					
		VOLCANIC	29%					
HUC4: PAHSIMEROI								
HUC5:	BIG CREEK	SEDIMENTARY	100%			1,509		
MIDDLE FORK RANGER DISTRICT								
HUC4: LOWER MIDDLE FORK SALMON								
HUC5:	LOWER CAMAS CREEK	GRANITIC	3%			78	DRY GULCH-FORGE CREEK	< 1
		VOLCANIC	97%					
HUC5:	UPPER CAMAS CREEK	VALLEY BOTTOM	5%			717		
		VOLCANIC	95%					
HUC5:	YELLOWJACKET	GRANITIC	100%			< 1		
HUC4: UPPER MIDDLE FORK SALMON								
HUC5:	BEAR VALLEY	QUARTZITE	45%			239		
		VALLEY BOTTOM	55%					
HUC5:	DAGGER FALLS	QUARTZITE	92%		97	4,507		
		VALLEY BOTTOM	8%					
HUC5:	LOWER LOON CREEK	QUARTZITE	42%			469		
		VALLEY BOTTOM	3%					
		VOLCANIC	55%					
HUC5:	MARSH CREEK	QUARTZITE	94%			4,452		
		VALLEY BOTTOM	5%					
		VOLCANIC	1%					
HUC5:	PISTOL CREEK	NOT CLASSIFIED				1,965		
HUC5:	RAPID RIVER	QUARTZITE	95%			30,680		
		VALLEY BOTTOM	5%					
HUC5:	THOMAS-LITTLE LOON	QUARTZITE	100%			212		
HUC5:	UPPER LOON CREEK	QUARTZITE	40%			47,565	MYSTERY LAKE	526

		SOIL TYPES	(%) ⁽¹⁾	303D (Miles)	WILD & SCENIC RIVER ⁽²⁾ (Acres)	ROADLESS (Acres)	RESEARCH NATURAL AREAS	(Acres)
MIDDLE FORK RANGER DISTRICT								
		VALLEY BOTTOM	5%					
		VOLCANIC	55%					
HUC5:	WARM SPRINGS CREEK	VALLEY BOTTOM	2%			1,872		
		VOLCANIC	98%					
NORTH FORK RANGER DISTRICT								
HUC4: LEMHI BASIN								
HUC5:	LOWER LEMHI	QUARTZITE	92%			581		
		VALLEY BOTTOM	8%					
HUC4: MIDDLE SALMON-CHAMBERLAIN								
HUC5:	CORN-KITCHEN	GRANITIC	> 99%	< 1	1,293	17,976	GUNBARREL	38
		VALLEY BOTTOM	< 1%					
HUC5:	HORSE CREEK	GRANITIC	99%			21,495		
		VALLEY BOTTOM	1%					
HUC4: MIDDLE SALMON-PANTHER								
HUC5:	COLSON-OWL	GRANITIC	99%		2,104	53,729	COLSON CREEK	287
		QUARTZITE	< 1%					
		VALLEY BOTTOM	1%					
HUC5:	DEADWATER	GRANITIC	47%	< 1	3,576	27,827		
		QUARTZITE	50%					
		VALLEY BOTTOM	3%					
HUC5:	INDIANOLA	GRANITIC	37%		70	45,645		
		QUARTZITE	61%					
		VALLEY BOTTOM	2%					
HUC5:	NORTH FORK	GRANITIC	5%		4	135,378	ALLAN MOUNTAIN	1,739
		QUARTZITE	88%					
		VALLEY BOTTOM	3%					
		VOLCANIC	4%					
HUC5:	RED ROCK	GRANITIC	7%			52,316	DAVIS CANYON	1,201
		QUARTZITE	85%					
		VALLEY BOTTOM	3%					
		VOLCANIC	5%					
HUC5:	SHOUP	GRANITIC	80%		5,305	63,365		
		QUARTZITE	19%					
		VALLEY BOTTOM	2%					
SALMON COBALT RANGER DISTRICT								
HUC4: LOWER MIDDLE FORK SALMON								
HUC5:	LOWER CAMAS CREEK	GRANITIC	13%			47,092	DRY GULCH-FORGE CREEK	1,358
		QUARTZITE	2%					

		SOIL TYPES	(%) ⁽¹⁾	303D (Miles)	WILD & SCENIC RIVER ⁽²⁾ (Acres)	ROADLESS (Acres)	RESEARCH NATURAL AREAS	(Acres)
SALMON COBALT RANGER DISTRICT								
		VALLEY BOTTOM	1%					
		VOLCANIC	84%					
HUC5:	UPPER CAMAS CREEK	VALLEY BOTTOM	3%			16,487		
		VOLCANIC	97%					
HUC5:	YELLOWJACKET	GRANITIC	37%			33,624	FROG MEADOWS	71
		QUARTZITE	59%					
		VALLEY BOTTOM	< 1%					
		VOLCANIC	3%					
HUC4: MIDDLE SALMON-PANTHER								
HUC5:	DEADWATER	GRANITIC	62%	< 1	9	35,187		
		QUARTZITE	36%					
		VALLEY BOTTOM	2%					
HUC5:	DEEP-MOYER	GRANITIC	< 1%			71,192		
		QUARTZITE	93%					
		VALLEY BOTTOM	< 1%					
		VOLCANIC	6%					
HUC5:	HAT CREEK	QUARTZITE	20%			30,328		
		VOLCANIC	80%					
HUC5:	IRON CREEK	QUARTZITE	59%			49,104		
		SEDIMENTARY	3%					
		VALLEY BOTTOM	3%					
		VOLCANIC	35%					
HUC5:	LOWER PANTHER CREEK	GRANITIC	53%		37	41,879		
		QUARTZITE	47%					
HUC5:	MIDDLE PANTHER	GRANITIC	23%			61,489		
		QUARTZITE	77%					
HUC5:	NAPIAS	GRANITIC	24%			56,383		
		QUARTZITE	57%					
		VALLEY BOTTOM	2%					
		VOLCANIC	17%					
HUC5:	RED ROCK	GRANITIC	14%	6.6	< 1	20,955		
		QUARTZITE	72%					
		VALLEY BOTTOM	5%					
		VOLCANIC	9%					
HUC5:	SALMON	GRANITIC	7%			50,114		
		QUARTZITE	62%					
		VOLCANIC	31%					
HUC5:	SHOUP	GRANITIC	94%		3	1,824		

		SOIL TYPES	(%) ⁽¹⁾	303D (Miles)	WILD & SCENIC RIVER ⁽²⁾ (Acres)	ROADLESS (Acres)	RESEARCH NATURAL AREAS	(Acres)
SALMON COBALT RANGER DISTRICT								
		QUARTZITE	6%					
HUC5:	TWELVE/LAKE	QUARTZITE	52%			51,750		
		SEDIMENTARY	6%					
		VOLCANIC	42%					
HUC5:	UPPER PANTHER	QUARTZITE	46%			56,197		
		VALLEY BOTTOM	2%					
		VOLCANIC	52%					
YANKEE FORK RANGER DISTRICT								
HUC4: UPPER MIDDLE FORK SALMON								
HUC5:	MARSH CREEK	QUARTZITE	91%			67,814		
		VALLEY BOTTOM	7%					
		VOLCANIC	2%					
HUC5:	UPPER LOON CREEK	QUARTZITE	13%			1,077	MYSTERY LAKE	< 1
		VOLCANIC	87%					
HUC4: UPPER SALMON								
HUC5:	BAYHORSE	SEDIMENTARY	53%			23,694		
		VALLEY BOTTOM	2%					
		VOLCANIC	45%					
HUC5:	BIG LAKE/BOULDER	VOLCANIC	100%			7,481		
HUC5:	CASINO/BASIN	QUARTZITE	56%			45,835		
		VALLEY BOTTOM	3%					
		VOLCANIC	41%					
HUC5:	LOWER EAST FORK	VOLCANIC	100%			64,378		
HUC5:	SQUAW/SLATE	SEDIMENTARY	1%	13.8		67,228		
		VALLEY BOTTOM	3%					
		VOLCANIC	96%					
HUC5:	UPPER EAST FORK	VOLCANIC	100%			11,134		
HUC5:	VALLEY CREEK	QUARTZITE	88%			15,271		
		VALLEY BOTTOM	8%					
		VOLCANIC	4%					
HUC5:	YANKEE FORK	QUARTZITE	1%	9.5		120,115	MYSTERY LAKE	< 1
		VALLEY BOTTOM	4%					
		VOLCANIC	95%					

Footnote:

(1) Percent soil type for HUC5 within given district.

(2) Acres within a 1/2-mile-wide buffer.