

Vital Signs Summary Table - John Day Fossil Beds National Monument (2009)

UCBN Vital Sign	Measures	Management Unit	Current Condition	Data Sources
Surface Water Dynamics				
	Mean mo base flow (Aug) discharge	Bridge Creek		1
	Mean mo peak flow (Mar) discharge	Bridge Creek		1
	Mean mo base flow (Aug) discharge	John Day River		1
	Mean mo peak flow (Mar) discharge	John Day River		1
Water Chemistry				
	Temp (7-day mean daily max)	Bridge Creek		2
	Specific Conduct (mean)	Bridge Creek		2
	D.O. (7-day mean daily min)	Bridge Creek		2
	pH (7-day mean daily max)	Bridge Creek		2
	pH (7-day mean daily min)	Bridge Creek		2
	Turbidity (7-day mean daily max)	Bridge Creek		2
	Temp (7-day mean daily max)	John Day River		2
	Specific Conduct (mean)	John Day River		2
	D.O. (7-day mean daily min)	John Day River		2
	pH (7-day mean daily max)	John Day River		2
	pH (7-day mean daily min)	John Day River		2
	Turbidity (7-day mean daily max)	John Day River		2
Aquatic Macroinvertebrates				
	Species richness	Bridge Creek		2,3
	% dominant family	Bridge Creek		2
	% EPT	Bridge Creek		2
	Hilsenhoff Biotic Index [HBI]	Bridge Creek		2
	% predators	Bridge Creek		2
	% shredders	Bridge Creek		2
	% scrapers	Bridge Creek		2
	% gatherers	Bridge Creek		2
	Species richness	John Day River		2,3
	% dominant family	John Day River		2
	% EPT	John Day River		2
	Hilsenhoff Biotic Index [HBI]	John Day River		2
	% predators	John Day River		2
	% shredders	John Day River		2
	% scrapers	John Day River		2
	% gatherers	John Day River		2

Vital Signs Summary Table - John Day Fossil Beds National Monument (2009) CONTINUED

UCBN Vital Sign	Measures	Management Unit	Current Condition	Data Sources
Invasive/Exotic Plants				
	Cheatgrass (% frequency)	Foree-Sage	98	4
	Cheatgrass(% plots>25% cover)	Foree-Sage	77	4
	Cheatgrass (% frequency)	SR-West Sage	100	4
	Cheatgrass(% plots>25% cover)	SR-West Sage	73	4
	Cheatgrass (% frequency)	SR-West Xeric	98	4
	Cheatgrass(% plots>25% cover)	SR-West Xeric	81	4
	Cheatgrass (% frequency)	SR-West Mesic	87	4
	Cheatgrass(% plots>25% cover)	SR-West Mesic	83	4
	Medusahead (% frequency)	Foree-Sage	1.4	4
	Medusahead (% frequency)	SR-West Sage	1.9	4
	Medusahead (% frequency)	SR-West Xeric	1.5	4
	Medusahead (% frequency)	SR-West Mesic	3.2	4
	Dalmation Toadflax (% frequency)	Foree-Sage	4.2	4
Sagebrush-steppe (% plots> 25% cover)				
	Bare ground	Foree-Sage	10	4
	Bare ground	SR-West Sage	9	4
	Bare ground	SR-West Xeric	6	4
	Bare ground	SR-West Mesic	8	4
	Perennial Forbs	Foree-Sage	2.8	4
	Perennial Forbs	SR-West Sage	1.9	4
	Perennial Forbs	SR-West Xeric	0	4
	Perennial Forbs	SR-West Mesic	4.8	4
	Big sagebrush	Foree-Sage	2.8	4
	Big sagebrush	SR-West Sage	28	4
	Big sagebrush	SR-West Xeric	18	4
	Big sagebrush	SR-West Mesic	16	4
	Bluebunch wheatgrass	Foree-Sage	17	4
	Bluebunch wheatgrass	SR-West Sage	15	4
	Bluebunch wheatgrass	SR-West Xeric	15	4
	Bluebunch wheatgrass	SR-West Mesic	27	4

1 USGS National Water Information System (<http://waterdata.usgs.gov/nwis/uv?14046778>)

2 UCBN Water Quality Monitoring Annual Report (Starkey et al. 2010, <http://science.nature.nps.gov/im/units/ucbn/reports/index.cfm>)

3 UCBN Natural Resource Condition Assessment (Bell et al. 2010, <http://science.nature.nps.gov/im/units/ucbn/otherprojects/nrca/index.cfm>)

4 UCBN Sagebrush-steppe Monitoring Annual Report (Rodhouse 2009, <http://science.nature.nps.gov/im/units/ucbn/reports/index.cfm>)