Ms 209SR-003, Table T3. Microprobe analyses of primary and secondary phases in altered peridotite, Hole 1272A.

							Element oxides (wt%)																					Trace elements (number of cations)																										
Core, section, Interval (cm)	Depth (mbsf)	Thin section/ Sample number	Rock type	Laboratory	Mineral	Serpentine after	SiO_2	TiO_2	Al_2O_3	Cr_2O_3	Fe_2O_3(c)	FeO(c)	$Fe_2O_{3\ tot}$	FeO_{tot}	MgO	MnO	CaO	ZnO	Na_2O	K_2O	Cl	O = Cl	H_2O(c)	CuO	NiO	S	Sum O (%)	Si	Ti	Al/Al(IV)	Al(VI)	Cr	Fe^{3+}	Fe^{2+}	Mg	Mn^{2+}	Ca	Zn	Ni	Na	K	Cl	OH	Cu	S	Sum Cat#l	Fa	Fo	Wo(Ca)	En(Mg)	Fs(Fe^{2+})	Mg#	Cr#
209-1272A-																																																							
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Orthopyroxene		55.41	0.00	2.39	0.90	1.39	4.02	NC	5.27	33.00	0.09	2.48	NA	0.02	0.01	NC	NC	NC	NA	NA	NA	99.73	1.922	0	0.078	0.019	0.025	0.036	0.117	1.706	0.003	0.092	NA	NA	0.002	0	NC	NC	NA	NA	4	NC	NC	4.810	89.094	6.096	91.770	20.492
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Orthopyroxene		55.43	0.02	2.28	0.71	1.81	3.40	NC	5.03	32.38	0.16	3.87	NA	0.01	0.01	NC	NC	NC	NA	NA	NA	100.08	1.920	0.000	0.080	0.013	0.019	0	0.099	1.672	0.005	0.144	NA	NA	0.001	0.000	NC	NC	NA	NA	4.000	NC	NC	7.509	87.342	5.149	91.969	16.964
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Orthopyroxene		56.48	0.01	2.56	0.98	NC	NC	NC	4.95	32.90	0.12	3.80	NA	0.02	0.03	NA	NA	NC	NA	0.110	NA	101.95	1.924	0.000	0.103	NC	0.026	NC	0.141	1.671	0.003	0.139	NA	0.003	0.001	0.001	NA	NC	NA	NA	4.013	NC	NC	7.118	85.649	7.233	92.213	20.459
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Orthopyroxene		56.85	0.03	2.17	0.86	NC	NC	NC	5.30	34.71	0.13	1.47	NA	0.00	0.00	NA	NA	NC	NA	0.137	NA	101.65	1.932	0.001	0.087	NC	0.023	NC	0.151	1.758	0.004	0.053	NA	0.004	0.000	0.000	NA	NC	NA	NA	4.012	NC	NC	2.724	89.605	7.671	92.114	21.060
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Orthopyroxene		57.00	0.00	2.25	0.93	NC	NC	NC	5.21	34.68	0.13	1.81	NA	0.01	0.00	NA	NA	NC	NA	0.116	NA	102.13	1.929	0.000	0.090	NC	0.025	NC	0.148	1.750	0.004	0.066	NA	0.003	0.000	0.000	NA	NC	NA	NA	4.014	NC	NC	3.342	89.141	7.517	92.223	21.620
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Orthopyroxene		56.52	0.00	2.44	0.96	NC	NC	NC	5.46	34.32	0.12	1.58	NA	0.00	0.00	NA	NA	NC	NA	0.149	NA	101.54	1.926	0.000	0.098	NC	0.026	NC	0.156	1.743	0.003	0.058	NA	0.004	0.000	0.000	NA	NC	NA	NA	4.013	NC	NC	2.946	89.098	7.956	91.803	20.916
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Orthopyroxene		56.87	0.03	2.10	0.77	NC	NC	NC	5.38	34.87	0.14	1.63	NA	0.00	0.00	NA	NA	NC	NA	0.114	NA	101.90	1.929	0.001	0.084	NC	0.021	NC	0.153	1.764	0.004	0.059	NA	0.003	0.000	0.000	NA	NC	NA	NA	4.017	NC	NC	3.001	89.275	7.723	92.038	19.747
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Orthopyroxene		56.55	0.01	2.42	0.83	NC	NC	NC	5.35	33.99	0.10	1.93	NA	0.00	0.00	NA	NA	NC	NA	0.104	NA	101.28	1.930	0.000	0.097	NC	0.022	NC	0.152	1.729	0.002	0.070	NA	0.002	0	0	NA	NC	NA	NA	4.009	NC	NC	3.609	88.569	7.822	91.885	18.760
26R-3, 59–68	125.82	AP-082_WHOI	Serpentinized harzburgite	Bonn	Orthopyroxene		55.75	0.01	1.52	0.67	1.46	3.86	NC	5.17	33.02	0.14	2.94	NA	0.01	0.00	NC	NC	NC	NA	NA	NA	99.38	1.941	0	0.059	0.003	0.018	0.038	0.112	1.713	0.004	0.11	NA	NA	0.001	0	NC	NC	NA	NA	4	NC	NC	5.661	88.534	5.805	91.948	22.500
19R-2, 40–48	91.20	AP-074_WHOI	Serpentinized harzburgite	Bonn	Olivine		41.30	0.00	0.01	0.03	NC	8.55	NC	8.55	50.41	0.15	0.12	NA	NC	NC	NC	NC	NC	NA	NA	NA	100.57	1	0	0	0	0.001	NC	0.173	1.819	0.003	0.003	NA	NA	NC	NC	NC	NC	NA	NA	3	0.087	0.913	NC	NC	NC	91.315	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Olivine		41.06	0.02	0.02	0.00	NC	8.41	NC	8.41	50.88	0.16	0.09	NA	NC	NC	NC	NC	NC	NA	NA	NA	100.63	0.994	0	0.001	0.001	0	NC	0.17	1.835	0.003	0.002	NA	NA	NC	NC	NC	NC	NA	NA	3.006	0.085	0.915	NC	NC	NC	91.521	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Olivine		40.60	0.00	0.00	0.00	NC	8.21	NC	8.21	49.92	0.08	0.07	NA	NC	NC	NC	NC	NC	NA	NA	NA	98.89	0.999	0	0	0	0	NC	0.169	1.83	0.002	0.002	NA	NA	NC	NC	NC	NC	NA	NA	3.001	0.084	0.916	NC	NC	NC	91.546	NC
26R-1, 50–57	123.50	AP-081_WHOI	Serpentinized harzburgite	Bonn	Olivine		40.89	0.00	0.02	0.00	NC	8.31	NC	8.31	50.11	0.09	0.07	NA	NC	NC	NC	NC	NC	NA	NA	NA	99.51	1.000	0.000	0.001	0.001	0.000	NC	0.170	1.826	0.002	0.002	NA	NA	NC	NC	NC	NC	NA	NA	3.000	0.085	0.915	NC	NC	NC	91.483	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Olivine		41.01	0.00	0.00	0.01	NC	NC	NC	8.50	51.38	0.15	0.09	NA	NC	NC	NA	NA	NC	NA	0.378	NA	101.51	0.987	0.000	NC	NC	NC	NC	0.171	1.843	0.003	0.002	NA	0.007	0.000	0.000	NA	NC	NA	NA	3.013	NC	NC	NC	NC	NC	91.507	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Olivine		41.40	0.00	0.00	0.00	NC	NC	NC	8.39	51.58	0.14	0.08	NA	NC	NC	NA	NA	NC	NA	0.394	NA	101.97	0.990	0.000	NC	NC	NC	NC	0.168	1.839	0.003	0.002	NA	0.007	0.000	0.000	NA	NC	NA	NA	3.010	NC	NC	NC	NC	NC	91.641	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Olivine		41.27	0.00	0.00	0.01	NC	NC	NC	8.49	51.85	0.16	0.07	NA	NC	NC	NA	NA	NC	NA	0.388	NA	102.23	0.986	0.000	NC	NC	NC	NC	0.170	1.846	0.003	0.002	NA	0.007	0.000	0.000	NA	NC	NA	NA	3.014	NC	NC	NC	NC	NC	91.591	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Olivine		40.95	0.00	0.00	0.01	NC	NC	NC	8.35	51.49	0.14	0.07	NA	NC	NC	NA	NA	NC	NA	0.381	NA	101.40	0.986	0.000	NC	NC	NC	NC	0.168	1.848	0.003	0.002	NA	0.007	0.000	0.000	NA	NC	NA	NA	3.014	NC	NC	NC	NC	NC	91.658	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Olivine		41.78	0.00	0.00	0.02	NC	NC	NC	8.39	51.47	0.15	0.19	NA	NC	NC	NA	NA	NC	NA	0.360	NA	102.36	0.995	0.000	NC	NC	NC	NC	0.167	1.827	0.003	0.005	NA	0.006	0.000	0.000	NA	NC	NA	NA	3.005	NC	NC	NC	NC	NC	91.621	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Olivine		40.99	0.00	0.00	0.00	NC	NC	NC	8.30	51.70	0.11	0.08	NA	NC	NC	NA	NA	NC	NA	0.397	NA	101.58	0.985	0.000	NC	NC	NC	NC	0.167	1.852	0.002	0.002	NA	0.007	0.000	0.000	NA	NC	NA	NA	3.015	NC	NC	NC	NC	NC	91.741	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Olivine		41.07	0.00	0.00	0.00	NC	NC	NC	8.99	51.35	0.14	0.06	NA	NC	NC	NA	NA	NC	NA	0.382	NA	101.99	0.985	0.000	NC	NC	NC	NC	0.180	1.837	0.003	0.002	NA	0.007	0.000	0.000	NA	NC	NA	NA	3.015	NC	NC	NC	NC	NC	91.062	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Olivine		41.17	0.00	0.00	0.01	NC	NC	NC	8.34	51.64	0.13	0.08	NA	NC	NC	NA	NA	NC	NA	0.397	NA	101.76	0.987	0.000	NC	NC	NC	NC	0.167	1.846	0.003	0.002	NA	0.007	0.000	0.000	NA	NC	NA	NA	3.013	NC	NC	NC	NC	NC	91.690	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Olivine		41.19	0.00	0.00	0.00	NC	NC	NC	8.37	51.76	0.14	0.06	NA	NC	NC	NA	NA	NC	NA	0.376	NA	101.89	0.986	0	NC	NC	NC	NC	0.167	1.847	0.002	0.001	NA	0.007	0	0	NA	NC	NA	NA	3.013	NC	NC	NC	NC	NC	91.687	NC
26R-3, 59–68	125.82	AP-082_WHOI	Serpentinized harzburgite	Bonn	Olivine		40.67	0.00	0.03	0.02	NC	8.20	NC	8.20	50.21	0.09	0.06	NA	NC	NC	NC	NC	NC	NA	NA	NA	99.29	0.996	0	0.001	0.001	0	NC	0.168	1.834	0.002	0.002	NA	NA	NC	NC	NC	NC	NA	NA	3.003	0.084	0.916	NC	NC	NC	91.608	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Olivine		40.65	0.01	0.03	0.01	NC	8.18	NC	8.18	50.47	0.16	0.10	NA	NC	NC	NC	NC	NC	NA	NA	NA	99.60	0.993	0	0.001	0.001	0	NC	0.167	1.838	0.003	0.003	NA	NA	NC	NC	NC	NC	NA	NA	3.006	0.083	0.917	NC	NC	NC	91.671	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Olivine		40.30	0.00	0.02	0.01	NC	8.29	NC	8.29	50.30	0.13	0.08	NA	NC	NC	NC	NC	NC	NA	NA	NA	99.13	0.991	0	0.001	0.001	0	NC	0.17	1.843	0.003	0.002	NA	NA	NC	NC	NC	NC	NA	NA	3.009	0.085	0.915	NC	NC	NC	91.555	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Olivine		40.81	0.01	0.04	0.01	NC	8.04	NC	8.04	50.57	0.14	0.08	NA	NC	NC	NC	NC	NC	NA	NA	NA	99.71	0.995	0	0.001	0.001	0	NC	0.164	1.838	0.003	0.002	NA	NA	NC	NC	NC	NC	NA	NA	3.004	0.082	0.918	NC	NC	NC	91.808	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Olivine		41.67	0.01	0.17	0.00	NC	7.36	NC	7.36	51.63	0.12	0.36	NA	NC	NC	NC	NC	NC	NA	NA	NA	101.32	0.997	0	0.005	0.005	0	NC	0.147	1.841	0.002	0.009	NA	NA	NC	NC	NC	NC	NA	NA	3.001	0.074	0.926	NC	NC	NC	92.606	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Iowaite		27.31	0.00	0.12	0.06	NC	0.96	NC	NC	25.95	0.02	0.01	NA	0.07	0.01	1.05	0.24	22.40	NA	NA	NA	77.73	1.445	0	0.008	0.008	0.002	NC	0.043	2.046	0.001	0.001	NA	NA	0.007	0.001	0.094	7.906	NA	NA	11.554	NC	NC	NC	NC	NC	97.942	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Iowaite		29.81	0.03	0.12	0.00	NC	1.23	NC	NC	28.82	0.00	0.03	NA	0.02	0.01	0.61	0.14	24.78	NA	NA	NA	85.33	1.434	0.001	0.007	0.007	0	NC	0.05	2.067	0	0.002	NA	NA	0.002	0.001	0.049	7.951	NA	NA	11.563	NC	NC	NC	NC	NC	97.638	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Iowaite		3.18	0.00	0.16	0.01	NC	24.46	NC	NC	44.34	0.01	0.33	NA	0.02	0.01	4.29	0.97	21.36	NA	NA	NA	97.20	0.17	0	0.01	0.01	0	NC	1.093	3.531	0.001	0.019	NA	NA	0.003	0.001	0.388	7.612	NA	NA	12.826	NC	NC	NC	NC	NC	76.362	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Iowaite		1.32	0.00	0.30	0.00	NC	19.68	NC	NC	37.74	0.00	0.08	NA	0.08	0.00	2.57	0.58	17.59	NA	NA	NA	78.79	0.087	0	0.023	0.023	0	NC	1.082	3.698	0	0.005	NA	NA	0.01	0	0.286	7.714	NA	NA	12.906	NC	NC	NC	NC	NC	77.364	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Iowaite		6.96	0.00	0.14	0.02	NC	14.61	NC	NC	31.44	0.05	0.17	NA	0.06	0.00	5.15	1.16	16.34	NA	NA	NA	73.78	0.473	0	0.011	0.011	0.001	NC	0.83	3.185	0.003	0.012	NA	NA	0.009	0	0.593	7.407	NA	NA	12.525	NC	NC	NC	NC	NC	79.328	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Iowaite		4.96	0.00	0.12	0.00	NC	16.60	NC	NC	32.50	0.12	0.09	NA	0.06	0.01	6.15	1.39	15.88	NA	NA	NA	75.11	0.341	0	0.01	0.01	0	NC	0.954	3.331	0.007	0.006	NA	NA	0.008	0.001	0.717	7.283	NA	NA	12.658	NC	NC	NC	NC	NC	77.736	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Iowaite		5.55	0.00	0.03	0.00	NC	22.41	NC	NC	37.94	0.14	0.03	NA	0.00	0.01	4.85	1.09	19.54	NA	NA	NA	89.42	0.32	0	0.002	0.002	0	NC	1.082	3.264	0.007	0.002	NA	NA	0	0.001	0.474	7.526	NA	NA	12.679	NC	NC	NC	NC	NC	75.104	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Iowaite		7.32	0.02	0.03	0.00	NC	20.02	NC	NC	46.32	0.16	0.18	NA	0.00	0.00	4.13	0.93	23.14	NA	NA	NA	100.38	0.363	0.001	0.002	0.002	0	NC	0.83	3.424	0.007	0.01	NA	NA	0	0	0.347	7.653	NA	NA	12.636	NC	NC	NC	NC	NC	80.489	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Iowaite		23.84	0.00	0.27	0.02	NC	3.99	NC	NC	30.50	0.06	0.04	NA	0.07	0.01	4.14	0.94	22.25	NA	NA	NA	84.26	1.227	0	0.016	0.016	0.001	NC	0.172	2.339	0.002	0.002	NA	NA	0.007	0.001	0.361	7.639	NA	NA	11.768	NC	NC	NC	NC	NC	93.150	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	30.96	0.03	0.09	0.01	NC	NC	10.31	9.28	36.89	NC	0.32	NA	NC	NC	0.95	NC	11.06	NA	NA	NA	90.61	1.679	0.001	0.006	0.006	0	0.421	NC	2.981	NC	0.018	NA	NA	NC	NC	0.086	4	NA	NA	9.192	NC	NC	NC	NC	NC	87.625	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	38.44	0.01	0.06	0.04	NC	NC	3.58	3.22	36.81	NC	0.02	NA	NC	NC	0.27	NC	11.65	NA	NA	NA	90.87	1.979	0	0.003	0.003	0.001	0.139	NC	2.824	NC	0.001	NA	NA	NC	NC	0.023	4	NA	NA	8.972	NC	NC	NC	NC	NC	95.309	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.31	0.00	0.04	0.00	NC	NC	3.58	3.22	37.03	NC	0.02	NA	NC	NC	0.17	NC	11.82	NA	NA	NA	91.97	1.995	0	0.002	0.002	0	0.137	NC	2.801	NC	0.001	NA	NA	NC	NC	0.015	4	NA	NA	8.951	NC	NC	NC	NC	NC	95.337	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	29.03	0.03	0.03	0.00	NC	NC	9.37	8.43	41.53	NC	0.06	NA	NC	NC	0.79	NC	11.19	NA	NA	NA	92.02	1.555	0.001	0.002	0.002	0	0.378	NC	3.316	NC	0.003	NA	NA	NC	NC	0.071	4	NA	NA	9.325	NC	NC	NC	NC	NC	89.767	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	38.46	0.00	0.56	0.00	NC	NC	6.14	5.53	34.80	NC	0.07	NA	NC	NC	0.37	NC	11.72	NA	NA	NA	92.12	1.968	0	0.032	0.002	0	0.236	NC	2.655	NC	0.004	NA	NA	NC	NC	0.032	4	NA	NA	8.929	NC	NC	NC	NC	NC	91.837	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	23.31	0.00	0.03	0.00	NC	NC	14.84	13.36	40.39	NC	0.21	NA	NC	NC	2.99	NC	10.61	NA	NA	NA	92.39	1.317	0	0.002	0.002	0	0.631	NC	3.403	NC	0.013	NA	NA	NC	NC	0.278	4	NA	NA	9.644	NC	NC	NC	NC	NC	84.358	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	36.96	0.00	0.03	0.04	NC	NC	4.71	4.24	38.95	NC	0.05	NA	NC	NC	0.33	NC	11.77	NA	NA	NA	92.83	1.882	0	0.002	0.002	0.002	0.18	NC	2.957	NC	0.003	NA	NA	NC	NC	0.028	4	NA	NA	9.054	NC	NC	NC	NC	NC	94.262	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.23	0.00	0.15	0.02	NC	NC	4.23	3.81	36.96	NC	0.24	NA	NC	NC	0.39	NC	11.90	NA	NA	NA	93.11	1.978	0	0.009	0.009	0.001	0.16	NC	2.777	NC	0.013	NA	NA	NC	NC	0.033	4	NA	NA	8.970	NC	NC	NC	NC	NC	94.552	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.98	0.00	0.01	0.02	NC	NC	3.12	2.81	37.92	NC	0.00	NA	NC	NC	0.15	NC	12.00	NA	NA	NA	93.22	1.998	0	0.001	0.001	0.001	0.117	NC	2.825	NC	0	NA	NA	NC	NC	0.013	4	NA	NA	8.955	NC	NC	NC	NC	NC	96.023	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	37.69	0.01	0.63	0.04	NC	NC	6.64	5.98	36.08	NC	0.06	NA	NC	NC	0.31	NC	11.81	NA	NA	NA	93.28	1.913	0.001	0.038	0.038	0.002	0.254	NC	2.73	NC	0.003	NA	NA	NC	NC	0.027	4	NA	NA	8.967	NC	NC	NC	NC	NC	91.488	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	38.88	0.02	0.14	0.03	NC	NC	4.19	3.77	37.43	NC	0.40	NA	NC	NC	0.34	NC	11.91	NA	NA	NA	93.33	1.958	0.001	0.008	0.008	0.001	0.159	NC	2.809	NC	0.021	NA	NA	NC	NC	0.029	4	NA	NA	8.986	NC	NC	NC	NC	NC	94.643	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	38.03	0.02	0.18	0.04	NC	NC	5.03	4.53	37.59	NC	0.07	NA	NC	NC	0.61	NC	11.84	NA	NA	NA	93.41	1.926	0.001	0.011	0.011	0.001	0.192	NC	2.837	NC	0.004	NA	NA	NC	NC	0.052	4	NA	NA	9.023	NC	NC	NC	NC	NC	93.661	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	38.51	0.00	0.66	0.02	NC	NC	5.81	5.23	36.62	NC	0.05	NA	NC	NC	0.20	NC	11.94	NA	NA	NA	93.81	1.934	0	0.039	0.039	0.001	0.22	NC	2.741	NC	0.003	NA	NA	NC	NC	0.017	4	NA	NA	8.954	NC	NC	NC	NC	NC	92.570	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.85	0.00	0.14	0.01	NC	NC	5.14	4.63	37.30	NC	0.00	NA	NC	NC	0.53	NC	12.11	NA	NA	NA	95.10	1.973	0	0.008	0.008	0.001	0.191	NC	2.753	NC	0	NA	NA	NC	NC	0.044	4	NA	NA	8.970	NC	NC	NC	NC	NC	93.512	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.83	0.00	0.03	0.01	NC	NC	5.14	4.63	37.70	NC	0.04	NA	NC	NC	0.27	NC	12.14	NA	NA	NA	95.16	1.967	0	0.002	0.002	0	0.191	NC	2.775	NC	0.002	NA	NA	NC	NC	0.023	4	NA	NA	8.960	NC	NC	NC	NC	NC	93.560	NC
13R-2, 14–21	62.34	AP-073_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.38	0.00	0.12	0.01	NC	NC	5.07	4.56	37.99	NC	0.24	NA	NC	NC	0.32	NC	12.13	NA	NA	NA	95.26	1.947	0	0.007	0.007	0.001	0.189	NC	2.8	NC	0.013	NA	NA	NC	NC	0.027	4	NA	NA	8.982	NC	NC	NC	NC	NC	93.677	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.28	0.00	0.12	0.00	NC	NC	4.76	4.28	38.55	NC	0.05	NA	NC	NC	0.37	NC	12.14	NA	NA	NA	95.27	1.941	0	0.007	0.007	0	0.177	NC	2.839	NC	0.002	NA	NA	NC	NC	0.031	4	NA	NA	8.998	NC	NC	NC	NC	NC	94.131	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	40.28	0.00	0.02	0.00	NC	NC	4.03	3.63	38.80	NC	0.02	NA	NC	NC	0.22	NC	12.25	NA	NA	NA	95.62	1.972	0	0.001	0.001	0	0.148	NC	2.831	NC	0.001	NA	NA	NC	NC	0.018	4	NA	NA	8.971	NC	NC	NC	NC	NC	95.032	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.87	0.00	0.06	0.00	NC	NC	5.16	4.64	38.47	NC	0.05	NA	NC	NC	0.15	NC	12.26	NA	NA	NA	96.03	1.951	0	0.004	0.004	0	0.19	NC	2.805	NC	0.002	NA	NA	NC	NC	0.012	4	NA	NA	8.964	NC	NC	NC	NC	NC	93.656	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	40.44	0.02	0.00	0.00	NC	NC	4.76	4.28	38.58	NC	0.05	NA	NC	NC	0.22	NC	12.32	NA	NA	NA	96.40	1.968	0.001	0	0	0	0.174	NC	2.798	NC	0.003	NA	NA	NC	NC	0.018	4	NA	NA	8.962	NC	NC	NC	NC	NC	94.145	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.39	0.00	0.07	0.03	NC	NC	5.61	5.05	37.70	NC	0.01	NA	NC	NC	1.57	NC	12.12	NA	NA	NA	96.49	1.949	0	0.004	0.004	0.001	0.209	NC	2.78	NC	0.001	NA	NA	NC	NC	0.130	4	NA	NA	9.074	NC	NC	NC	NC	NC	93.008	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	38.55	0.00	0.12	0.02	NC	NC	6.02	5.42	39.16	NC	0.11	NA	NC	NC	0.32	NC	12.22	NA	NA	NA	96.52	1.892	0	0.007	0.007	0.001	0.222	NC	2.865	NC	0.006	NA	NA	NC	NC	0.027	4	NA	NA	9.020	NC	NC	NC	NC	NC	92.809	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	39.81	0.03	0.00	0.01	NC	NC	5.29	4.76	39.39	NC	0.06	NA	NC	NC	0.15	NC	12.37	NA	NA	NA	97.12	1.929	0.001	0	0	0.001	0.193	NC	2.845	NC	0.003	NA	NA	NC	NC	0.012	4	NA	NA	8.985	NC	NC	NC	NC	NC	93.647	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	40.12	0.00	0.07	0.02	NC	NC	5.92	5.33	38.53	NC	0.08	NA	NC	NC	0.20	NC	12.39	NA	NA	NA	97.33	1.942	0	0.004	0.004	0.001	0.216	NC	2.78	NC	0.004	NA	NA	NC	NC	0.016	4	NA	NA	8.963	NC	NC	NC	NC	NC	92.790	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	35.29	0.00	0.08	0.04	NC	NC	8.85	7.97	39.54	NC	0.15	NA	NC	NC	1.43	NC	11.98	NA	NA	NA	97.37	1.766	0	0.005	0.005	0.001	0.333	NC	2.95	NC	0.008	NA	NA	NC	NC	0.120	4	NA	NA	9.184	NC	NC	NC	NC	NC	89.857	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	41.41	0.01	0.05	0.02	NC	NC	5.45	4.91	38.01	NC	0.04	NA	NC	NC	0.19	NC	12.49	NA	NA	NA	97.68	1.988	0	0.003	0.003	0.001	0.197	NC	2.72	NC	0.002	NA	NA	NC	NC	0.015	4	NA	NA	8.926	NC	NC	NC	NC	NC	93.246	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	41.01	0.00	0.14	0.04	NC	NC	5.36	4.82	38.65	NC	0.07	NA	NC	NC	0.27	NC	12.51	NA	NA	NA	98.06	1.966	0	0.008	0.008	0.002	0.193	NC	2.761	NC	0.004	NA	NA	NC	NC	0.022	4	NA	NA	8.955	NC	NC	NC	NC	NC	93.466	NC
26R-3, 59–68	125.82	AP-082_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	41.14	0.02	0.08	0.02	NC	NC	5.78	5.20	38.25	NC	0.06	NA	NC	NC	0.20	NC	12.51	NA	NA	NA	98.07	1.971	0.001	0.004	0.004	0.001	0.208	NC	2.732	NC	0.003	NA	NA	NC	NC	0.016	4	NA	NA	8.937	NC	NC	NC	NC	NC	92.925	NC
26R-1, 50–57	123.50	AP-081_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	43.41	0.01	0.24	0.00	NC	NC	3.25	2.93	38.31	NC	0.02	NA	NC	NC	0.17	NC	12.69	NA	NA	NA	98.12	2.052	0	0	0.014	0	0.116	NC	2.699	NC	0.001	NA	NA	NC	NC	0.014	4	NA	NA	8.897	NC	NC	NC	NC	NC	95.879	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	41.08	0.00	0.01	0.01	NC	NC	5.37	4.83	39.16	NC	0.10	NA	NC	NC	0.29	NC	12.57	NA	NA	NA	98.61	1.96	0	0.001	0.001	0	0.193	NC	2.785	NC	0.005	NA	NA	NC	NC	0.023	4	NA	NA	8.966	NC	NC	NC	NC	NC	93.519	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	40.07	0.01	0.03	0.04	NC	NC	5.64	5.08	39.67	NC	0.04	NA	NC	NC	0.73	NC	12.49	NA	NA	NA	98.72	1.924	0.001	0.002	0.002	0.001	0.204	NC	2.839	NC	0.002	NA	NA	NC	NC	0.059	4	NA	NA	9.031	NC	NC	NC	NC	NC	93.296	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	41.94	0.00	0.04	0.03	NC	NC	3.89	3.50	40.11	NC	0.01	NA	NC	NC	0.12	NC	12.69	NA	NA	NA	98.84	1.981	0	0.002	0.002	0.001	0.138	NC	2.824	NC	0	NA	NA	NC	NC	0.010	4	NA	NA	8.958	NC	NC	NC	NC	NC	95.341	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	41.25	0.02	0.15	0.10	NC	NC	6.07	5.46	38.33	NC	0.30	NA	NC	NC	0.16	NC	12.61	NA	NA	NA	98.98	1.962	0.001	0.008	0.008	0.004	0.217	NC	2.717	NC	0.015	NA	NA	NC	NC	0.013	4	NA	NA	8.936	NC	NC	NC	NC	NC	92.604	NC
26R-1, 50–57	123.50	AP-081_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	40.87	0.00	0.20	0.00	NC	NC	6.06	5.45	39.46	NC	0.41	NA	NC	NC	0.33	NC	12.69	NA	NA	NA	100.02	1.931	0	0.011	0.011	0	0.215	NC	2.778	NC	0.021	NA	NA	NC	NC	0.026	4	NA	NA	8.982	NC	NC	NC	NC	NC	92.817	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	41.78	0.00	0.03	0.03	NC	NC	4.81	4.33	40.63	NC	0.09	NA	NC	NC	0.23	NC	12.83	NA	NA	NA	100.43	1.953	0	0.002	0.002	0.001	0.169	NC	2.831	NC	0.004	NA	NA	NC	NC	0.018	4	NA	NA	8.979	NC	NC	NC	NC	NC	94.367	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	41.81	0.00	0.44	0.00	NC	NC	8.76	7.88	36.83	NC	0.01	NA	NC	NC	0.20	NC	12.78	NA	NA	NA	100.84	1.961	0	0.024	0.024	0	0.309	NC	2.576	NC	0.001	NA	NA	NC	NC	0.016	4	NA	NA	8.888	NC	NC	NC	NC	NC	89.289	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	44.09	0.00	0.12	0.00	NC	NC	4.42	3.98	39.57	NC	0.00	NA	NC	NC	0.12	NC	13.05	NA	NA	NA	101.38	2.025	0	0	0.007	0	0.153	NC	2.709	NC	0	NA	NA	NC	NC	0.009	4	NA	NA	8.904	NC	NC	NC	NC	NC	94.654	NC
26R-1, 50–57	123.50	AP-081_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Olivine	42.09	0.00	0.03	0.01	NC	NC	5.14	4.63	41.03	NC	0.05	NA	NC	NC	0.19	NC	12.96	NA	NA	NA	101.50	1.948	0	0.002	0.002	0	0.179	NC	2.83	NC	0.003	NA	NA	NC	NC	0.015	4	NA	NA	8.977	NC	NC	NC	NC	NC	94.051	NC
13R-2, 14–21	62.34	AP-073_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	35.36	0.02	1.65	0.74	NC	NC	4.52	4.07	36.69	NC	0.05	NA	NC	NC	0.67	NC	11.51	NA	NA	NA	91.23	1.842	0.001	0.101	0.101	0.031	0.177	NC	2.848	NC	0.003	NA	NA	NC	NC	0.059	4	NA	NA	9.062	NC	NC	NC	NC	NC	94.149	NC
13R-2, 14–21	62.34	AP-073_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	37.04	0.02	1.88	0.44	NC	NC	3.98	3.58	36.21	NC	0.05	NA	NC	NC	0.42	NC	11.69	NA	NA	NA	91.73	1.9	0.001	0.1	0.014	0.018	0.154	NC	2.768	NC	0.003	NA	NA	NC	NC	0.036	4	NA	NA	8.993	NC	NC	NC	NC	NC	94.730	NC
13R-2, 14–21	62.34	AP-073_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	39.52	0.01	0.19	0.00	NC	NC	4.95	4.46	37.28	NC	0.02	NA	NC	NC	0.48	NC	12.04	NA	NA	NA	94.49	1.968	0	0.011	0.011	0	0.185	NC	2.768	NC	0.001	NA	NA	NC	NC	0.040	4	NA	NA	8.973	NC	NC	NC	NC	NC	93.735	NC
13R-2, 14–21	62.34	AP-073_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	39.57	0.00	0.10	0.00	NC	NC	5.10	4.59	38.24	NC	0.05	NA	NC	NC	0.18	NC	12.18	NA	NA	NA	95.43	1.949	0	0.006	0.006	0	0.189	NC	2.807	NC	0.003	NA	NA	NC	NC	0.015	4	NA	NA	8.969	NC	NC	NC	NC	NC	93.692	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	37.47	0.01	0.99	0.50	NC	NC	6.10	5.49	34.81	NC	0.07	NA	NC	NC	0.48	NC	11.66	NA	NA	NA	92.10	1.927	0.001	0.06	0.06	0.02	0.236	NC	2.668	NC	0.004	NA	NA	NC	NC	0.042	4	NA	NA	8.957	NC	NC	NC	NC	NC	91.873	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	38.42	0.03	0.97	0.31	NC	NC	2.14	1.93	38.70	NC	0.01	NA	NC	NC	0.87	NC	11.92	NA	NA	NA	93.37	1.934	0.001	0.058	0.058	0.012	0.081	NC	2.903	NC	0.001	NA	NA	NC	NC	0.074	4	NA	NA	9.064	NC	NC	NC	NC	NC	97.286	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	39.13	0.00	0.43	0.00	NC	NC	5.54	4.99	37.01	NC	0.05	NA	NC	NC	0.46	NC	12.04	NA	NA	NA	94.66	1.95	0	0.025	0.025	0	0.208	NC	2.749	NC	0.003	NA	NA	NC	NC	0.039	4	NA	NA	8.973	NC	NC	NC	NC	NC	92.966	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	38.65	0.02	1.27	0.34	NC	NC	2.65	2.39	40.25	NC	0.04	NA	NC	NC	0.82	NC	12.25	NA	NA	NA	96.28	1.892	0.001	0.074	0.074	0.013	0.098	NC	2.937	NC	0.002	NA	NA	NC	NC	0.068	4	NA	NA	9.083	NC	NC	NC	NC	NC	96.771	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	39.91	0.00	1.02	0.19	NC	NC	2.05	1.85	40.26	NC	0.07	NA	NC	NC	0.85	NC	12.36	NA	NA	NA	96.72	1.937	0	0.058	0.058	0.007	0.075	NC	2.912	NC	0.004	NA	NA	NC	NC	0.069	4	NA	NA	9.062	NC	NC	NC	NC	NC	97.489	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	36.92	0.03	2.23	0.52	NC	NC	2.35	2.12	41.66	NC	0.30	NA	NC	NC	1.56	NC	12.29	NA	NA	NA	97.86	1.801	0.001	0.128	0.128	0.02	0.086	NC	3.029	NC	0.015	NA	NA	NC	NC	0.127	4	NA	NA	9.208	NC	NC	NC	NC	NC	97.239	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	39.42	0.00	1.10	0.64	NC	NC	5.86	5.27	38.54	NC	0.04	NA	NC	NC	0.27	NC	12.48	NA	NA	NA	98.33	1.895	0	0.062	0.062	0.024	0.212	NC	2.761	NC	0.002	NA	NA	NC	NC	0.022	4	NA	NA	8.978	NC	NC	NC	NC	NC	92.869	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	35.10	0.00	2.59	0.94	NC	NC	1.89	1.70	41.24	NC	0.01	NA	NC	NC	0.68	NC	11.95	NA	NA	NA	94.40	1.761	0	0.153	0.153	0.037	0.071	NC	3.085	NC	0	NA	NA	NC	NC	0.057	4	NA	NA	9.165	NC	NC	NC	NC	NC	97.750	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	36.26	0.00	2.14	0.81	NC	NC	2.28	2.05	40.98	NC	0.14	NA	NC	NC	0.78	NC	12.08	NA	NA	NA	95.48	1.799	0	0.125	0.125	0.032	0.085	NC	3.031	NC	0.007	NA	NA	NC	NC	0.065	4	NA	NA	9.145	NC	NC	NC	NC	NC	97.272	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	38.41	0.02	2.07	0.43	NC	NC	4.95	4.46	37.09	NC	0.05	NA	NC	NC	0.42	NC	12.16	NA	NA	NA	95.60	1.894	0.001	0.106	0.014	0.017	0.184	NC	2.726	NC	0.003	NA	NA	NC	NC	0.035	4	NA	NA	8.980	NC	NC	NC	NC	NC	93.677	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	36.60	0.01	1.93	0.64	NC	NC	2.69	2.42	41.33	NC	0.02	NA	NC	NC	1.20	NC	12.17	NA	NA	NA	96.59	1.804	0	0.112	0.112	0.025	0.1	NC	3.036	NC	0.001	NA	NA	NC	NC	0.099	4	NA	NA	9.177	NC	NC	NC	NC	NC	96.811	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	37.82	0.02	1.57	0.74	NC	NC	7.20	6.48	36.05	NC	0.04	NA	NC	NC	0.26	NC	12.10	NA	NA	NA	95.79	1.875	0.001	0.092	0.092	0.029	0.268	NC	2.664	NC	0.002	NA	NA	NC	NC	0.022	4	NA	NA	8.952	NC	NC	NC	NC	NC	90.859	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	38.76	0.03	1.37	0.37	NC	NC	1.43	1.29	41.11	NC	0.03	NA	NC	NC	0.53	NC	12.28	NA	NA	NA	95.91	1.893	0.001	0.079	0.079	0.014	0.053	NC	2.992	NC	0.001	NA	NA	NC	NC	0.044	4	NA	NA	9.077	NC	NC	NC	NC	NC	98.259	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	39.05	0.00	1.26	0.96	NC	NC	7.20	6.48	36.46	NC	0.05	NA	NC	NC	0.43	NC	12.34	NA	NA	NA	97.75	1.898	0	0.072	0.072	0.037	0.264	NC	2.642	NC	0.002	NA	NA	NC	NC	0.035	4	NA	NA	8.950	NC	NC	NC	NC	NC	90.915	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	40.02	0.03	1.95	0.74	NC	NC	6.96	6.26	35.86	NC	0.05	NA	NC	NC	0.23	NC	12.49	NA	NA	NA	98.32	1.922	0.001	0.078	0.033	0.028	0.251	NC	2.567	NC	0.002	NA	NA	NC	NC	0.019	4	NA	NA	8.901	NC	NC	NC	NC	NC	91.093	NC
26R-1, 50–57	123.50	AP-081_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	35.81	0.03	1.00	0.97	NC	NC	7.34	6.61	36.58	NC	0.03	NA	NC	NC	0.80	NC	11.77	NA	NA	NA	94.33	1.824	0.001	0.06	0.06	0.039	0.281	NC	2.777	NC	0.002	NA	NA	NC	NC	0.069	4	NA	NA	9.054	NC	NC	NC	NC	NC	90.811	NC
26R-3, 59–68	125.82	AP-082_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Orthopyroxene	40.80	0.00	0.68	0.79	NC	NC	8.78	7.90	36.15	NC	0.05	NA	NC	NC	0.31	NC	12.64	NA	NA	NA	100.21	1.935	0	0.038	0.038	0.03	0.313	NC	2.555	NC	0.003	NA	NA	NC	NC	0.025	4	NA	NA	8.899	NC	NC	NC	NC	NC	89.086	NC
13R-2, 14–21	62.34	AP-073_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	38.77	0.03	1.83	0.77	NC	NC	5.07	4.56	36.57	NC	0.04	NA	NC	NC	0.24	NC	12.17	NA	NA	NA	95.49	1.911	0.001	0.089	0.018	0.03	0.188	NC	2.687	NC	0.002	NA	NA	NC	NC	0.020	4	NA	NA	8.946	NC	NC	NC	NC	NC	93.461	NC
13R-2, 14–21	62.34	AP-073_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	38.52	0.02	1.72	0.50	NC	NC	4.61	4.15	37.85	NC	0.03	NA	NC	NC	0.24	NC	12.19	NA	NA	NA	95.68	1.894	0.001	0.1	0.1	0.019	0.171	NC	2.774	NC	0.002	NA	NA	NC	NC	0.020	4	NA	NA	8.980	NC	NC	NC	NC	NC	94.194	NC
16R-1, 82–89	75.82	AP-074_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	38.03	0.03	0.71	0.19	NC	NC	5.36	4.82	34.44	NC	0.05	NA	NC	NC	0.66	NC	11.57	NA	NA	NA	91.05	1.972	0.001	0.028	0.015	0.008	0.209	NC	2.661	NC	0.003	NA	NA	NC	NC	0.058	4	NA	NA	8.955	NC	NC	NC	NC	NC	92.718	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	39.77	0.00	0.09	0.00	NC	NC	2.63	2.37	38.26	NC	0.04	NA	NC	NC	0.45	NC	11.97	NA	NA	NA	93.21	1.992	0	0.006	0.006	0	0.099	NC	2.857	NC	0.002	NA	NA	NC	NC	0.038	4	NA	NA	8.993	NC	NC	NC	NC	NC	96.651	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	39.20	0.00	1.39	0.58	NC	NC	5.41	4.87	35.76	NC	0.06	NA	NC	NC	0.78	NC	12.08	NA	NA	NA	95.26	1.946	0	0.054	0.027	0.023	0.202	NC	2.646	NC	0.003	NA	NA	NC	NC	0.065	4	NA	NA	8.966	NC	NC	NC	NC	NC	92.907	NC
19R-2, 40–48	91.20	AP-076_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	44.67	0.00	0.15	0.04	NC	NC	3.56	3.20	38.45	NC	0.00	NA	NC	NC	0.04	NC	12.93	NA	NA	NA	99.85	2.071	0	0	0.008	0.001	0.124	NC	2.657	NC	0	NA	NA	NC	NC	0.003	4	NA	NA	8.865	NC	NC	NC	NC	NC	95.541	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	38.78	0.00	1.48	0.22	NC	NC	5.32	4.79	36.23	NC	0.05	NA	NC	NC	0.38	NC	12.04	NA	NA	NA	94.50	1.932	0	0.068	0.019	0.009	0.199	NC	2.69	NC	0.002	NA	NA	NC	NC	0.032	4	NA	NA	8.952	NC	NC	NC	NC	NC	93.112	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	38.49	0.00	1.00	0.00	NC	NC	6.79	6.11	36.61	NC	0.05	NA	NC	NC	0.27	NC	12.08	NA	NA	NA	95.31	1.91	0	0.059	0.059	0	0.253	NC	2.708	NC	0.003	NA	NA	NC	NC	0.023	4	NA	NA	8.957	NC	NC	NC	NC	NC	91.456	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	40.16	0.00	0.13	0.01	NC	NC	5.69	5.12	36.98	NC	0.02	NA	NC	NC	0.88	NC	12.18	NA	NA	NA	96.05	1.978	0	0.007	0.007	0	0.211	NC	2.715	NC	0.001	NA	NA	NC	NC	0.073	4	NA	NA	8.986	NC	NC	NC	NC	NC	92.789	NC
21R-1, 27–37	99.17	AP-077_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	39.97	0.00	0.83	0.03	NC	NC	6.96	6.26	36.95	NC	0.56	NA	NC	NC	0.22	NC	12.42	NA	NA	NA	97.95	1.93	0	0.047	0.047	0.001	0.253	NC	2.659	NC	0.029	NA	NA	NC	NC	0.018	4	NA	NA	8.937	NC	NC	NC	NC	NC	91.312	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	36.42	0.01	0.48	0.00	NC	NC	5.09	4.58	37.56	NC	0.04	NA	NC	NC	0.59	NC	11.61	NA	NA	NA	91.79	1.882	0	0.029	0.029	0	0.198	NC	2.893	NC	0.002	NA	NA	NC	NC	0.051	4	NA	NA	9.055	NC	NC	NC	NC	NC	93.594	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	39.53	0.01	0.63	0.04	NC	NC	7.00	6.30	34.69	NC	0.04	NA	NC	NC	0.61	NC	11.98	NA	NA	NA	94.53	1.978	0	0.022	0.015	0.002	0.263	NC	2.587	NC	0.002	NA	NA	NC	NC	0.051	4	NA	NA	8.921	NC	NC	NC	NC	NC	90.772	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	39.96	0.00	0.50	0.00	NC	NC	5.51	4.96	37.03	NC	0.03	NA	NC	NC	1.15	NC	12.19	NA	NA	NA	96.37	1.966	0	0.029	0.029	0	0.204	NC	2.716	NC	0.002	NA	NA	NC	NC	0.095	4	NA	NA	9.012	NC	NC	NC	NC	NC	93.014	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	40.44	0.00	0.39	0.00	NC	NC	7.07	6.36	35.38	NC	0.05	NA	NC	NC	1.14	NC	12.19	NA	NA	NA	96.67	1.989	0	0.011	0.011	0	0.262	NC	2.593	NC	0.003	NA	NA	NC	NC	0.094	4	NA	NA	8.963	NC	NC	NC	NC	NC	90.823	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	41.25	0.02	0.31	0.03	NC	NC	5.71	5.14	37.95	NC	0.03	NA	NC	NC	1.16	NC	12.52	NA	NA	NA	98.99	1.976	0.001	0.018	0.018	0.001	0.206	NC	2.709	NC	0.001	NA	NA	NC	NC	0.093	4	NA	NA	9.004	NC	NC	NC	NC	NC	92.933	NC
24R-1, 104–112	114.54	AP-079_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	41.44	0.00	0.45	0.00	NC	NC	6.58	5.92	38.16	NC	0.05	NA	NC	NC	1.09	NC	12.68	NA	NA	NA	100.44	1.96	0	0.025	0.025	0	0.234	NC	2.69	NC	0.002	NA	NA	NC	NC	0.087	4	NA	NA	8.998	NC	NC	NC	NC	NC	91.997	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	41.39	0.00	0.02	0.00	NC	NC	5.29	4.76	39.54	NC	0.04	NA	NC	NC	0.18	NC	12.66	NA	NA	NA	99.13	1.961	0	0.001	0.001	0	0.189	NC	2.792	NC	0.002	NA	NA	NC	NC	0.014	4	NA	NA	8.958	NC	NC	NC	NC	NC	93.660	NC
25R-1, 108–118	119.08	AP-080_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	40.85	0.02	0.29	0.03	NC	NC	6.42	5.78	38.04	NC	0.74	NA	NC	NC	0.45	NC	12.59	NA	NA	NA	99.43	1.945	0.001	0.016	0.016	0.001	0.23	NC	2.7	NC	0.038	NA	NA	NC	NC	0.036	4	NA	NA	8.967	NC	NC	NC	NC	NC	92.150	NC
26R-1, 50–57	123.50	AP-081_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	39.07	0.00	0.30	0.00	NC	NC	6.25	5.63	37.80	NC	0.03	NA	NC	NC	0.78	NC	12.17	NA	NA	NA	96.41	1.925	0	0.018	0.018	0	0.232	NC	2.775	NC	0.002	NA	NA	NC	NC	0.065	4	NA	NA	9.016	NC	NC	NC	NC	NC	92.285	NC
26R-1, 50–57	123.50	AP-081_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	41.44	0.02	0.13	0.00	NC	NC	5.44	4.90	37.39	NC	0.03	NA	NC	NC	0.60	NC	12.43	NA	NA	NA	97.48	2	0.001	0	0.007	0	0.198	NC	2.69	NC	0.002	NA	NA	NC	NC	0.049	4	NA	NA	8.946	NC	NC	NC	NC	NC	93.144	NC
26R-3, 59–68	125.82	AP-082_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	38.03	0.00	0.38	0.04	NC	NC	7.04	6.34	34.05	NC	0.02	NA	NC	NC	1.36	NC	11.61	NA	NA	NA	92.53	1.964	0	0.023	0.023	0.002	0.274	NC	2.622	NC	0.001	NA	NA	NC	NC	0.118	4	NA	NA	9.004	NC	NC	NC	NC	NC	90.539	NC
26R-3, 59–68	125.82	AP-082_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	37.83	0.00	0.28	0.07	NC	NC	8.76	7.88	34.23	NC	1.22	NA	NC	NC	0.35	NC	11.86	NA	NA	NA	94.61	1.913	0	0.017	0.017	0.003	0.333	NC	2.579	NC	0.066	NA	NA	NC	NC	0.030	4	NA	NA	8.941	NC	NC	NC	NC	NC	88.565	NC
26R-3, 59–68	125.82	AP-082_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	39.26	0.04	0.50	0.04	NC	NC	8.20	7.38	34.97	NC	0.12	NA	NC	NC	0.69	NC	12.08	NA	NA	NA	95.89	1.949	0.001	0.029	0.029	0.001	0.306	NC	2.588	NC	0.006	NA	NA	NC	NC	0.058	4	NA	NA	8.939	NC	NC	NC	NC	NC	89.426	NC
26R-3, 59–68	125.82	AP-082_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	40.54	0.00	0.03	0.06	NC	NC	5.95	5.36	38.58	NC	0.02	NA	NC	NC	1.61	NC	12.46	NA	NA	NA	99.25	1.951	0	0.002	0.002	0.002	0.216	NC	2.767	NC	0.001	NA	NA	NC	NC	0.129	4	NA	NA	9.068	NC	NC	NC	NC	NC	92.759	NC
26R-3, 59–68	125.82	AP-082_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	41.08	0.00	0.52	0.00	NC	NC	9.75	8.78	35.98	NC	0.93	NA	NC	NC	0.40	NC	12.74	NA	NA	NA	101.39	1.934	0	0.029	0.029	0	0.345	NC	2.524	NC	0.047	NA	NA	NC	NC	0.032	4	NA	NA	8.911	NC	NC	NC	NC	NC	87.975	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	37.28	0.01	0.35	0.01	NC	NC	6.71	6.04	34.23	NC	0.64	NA	NC	NC	0.45	NC	11.52	NA	NA	NA	91.21	1.94	0.001	0.021	0.021	0.001	0.263	NC	2.655	NC	0.036	NA	NA	NC	NC	0.040	4	NA	NA	8.957	NC	NC	NC	NC	NC	90.987	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	37.49	0.00	0.25	0.02	NC	NC	6.53	5.88	33.79	NC	1.07	NA	NC	NC	0.62	NC	11.51	NA	NA	NA	91.28	1.954	0	0.015	0.015	0.001	0.256	NC	2.624	NC	0.06	NA	NA	NC	NC	0.054	4	NA	NA	8.964	NC	NC	NC	NC	NC	91.111	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	38.20	0.00	0.57	0.00	NC	NC	7.86	7.07	35.37	NC	0.08	NA	NC	NC	0.44	NC	11.92	NA	NA	NA	94.44	1.922	0	0.034	0.034	0	0.298	NC	2.653	NC	0.005	NA	NA	NC	NC	0.037	4	NA	NA	8.949	NC	NC	NC	NC	NC	89.902	NC
27R-2, 12–20	128.62	AP-083_WHOI	Serpentinized harzburgite	Bonn	Serpentine	Vein	41.22	0.03	0.40	0.02	NC	NC	7.34	6.61	36.62	NC	0.80	NA	NC	NC	0.65	NC	12.59	NA	NA	NA	99.68	1.963	0.001	0.023	0.023	0.001	0.263	NC	2.600	NC	0.041	NA	NA	NC	NC	0.052	4.000	NA	NA	8.944	NC	NC	NC	NC	NC	90.814	NC
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Spinel		0.01	0.03	27.26	42.57	2.87	13.94	NC	16.52	14.68	0.27	0.00	NA	0.04	0.00	NA	NA	NC	NA	0.069	NA	101.45	0.000	0.001	NC	0.953	0.999	0.064	0.343	0.650	0.007	0.000	NA	0.002	0.003	0.000	NA	NC	NA	NA	3.024	NC	NC	NC	NC	NC	61.491	51.161
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Spinel		0.02	0.00	28.11	41.99	2.75	14.32	NC	16.80	14.73	0.24	0.00	NA	0.00	0.01	NA	NA	NC	NA	0.099	NA	101.98	0.001	0.000	NC	0.976	0.978	0.061	0.350	0.647	0.006	0.000	NA	0.002	0.000	0.000	NA	NC	NA	NA	3.023	NC	NC	NC	NC	NC	61.167	50.055
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Spinel		0.03	0.01	27.61	42.88	2.25	14.45	NC	16.48	14.56	0.24	0.01	NA	0.00	0.00	NA	NA	NC	NA	0.176	NA	101.99	0.001	0.000	NC	0.960	1.000	0.050	0.354	0.640	0.006	0.000	NA	0.004	0.000	0.000	NA	NC	NA	NA	3.019	NC	NC	NC	NC	NC	61.318	51.027
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Spinel		0.03	0.00	28.60	41.34	2.46	15.42	NC	17.64	14.02	0.24	0.00	NA	0.01	0.02	NA	NA	NC	NA	0.117	NA	102.01	0.001	0.000	NC	0.994	0.964	0.054	0.378	0.617	0.006	0.000	NA	0.003	0.000	0.001	NA	NC	NA	NA	3.020	NC	NC	NC	NC	NC	58.798	49.225
26R-3, 59–86	125.82	AP-082_Bonn	Serpentinized harzburgite	Cologne	Spinel		0.01	0.02	27.74	42.65	3.13	13.86	NC	16.68	15.06	0.26	0.00	NA	0.01	0.02	NA	NA	NC	NA	0.115	NA	102.56	0.000	0.000	NC	0.959	0.989	0.068	0.337	0.658	0.007	0.000	NA	0.003	0.000	0.001	NA	NC	NA	NA	3.026	NC	NC	NC	NC	NC	61.888	50.778

Notes: WHOI = Woods Hole Oceanographic Institution. NA = not analyzed, NC = not calculated.