

Appendix A. U-Pb geochronologic analyses of detrital zircon from the Chugach-Prince William terrane, Alaska

Zircon crystals were extracted from samples by traditional methods of crushing and grinding, followed by separation with a Wilfley table, heavy liquids, and a Frantz magnetic separator. Samples are processed such that all zircons are retained in the final heavy mineral fraction. Two large splits of the sample (typically thousands of grains) are taken for U-Pb analysis. One split is set aside and the other is handpicked for Precambrian grains in ethanol under a binocular microscope. Grains are selected based on grain shape and color with the assumption that Precambrian grains are more likely to be well-rounded and display colors in the pink series due to the cumulative effects of radioactive decay (Garver and Kamp, 2002). The two splits are incorporated into a 1" epoxy mount together with fragments of our Sri Lanka standard zircon. The mounts are sanded down to a depth of ~20 microns, polished, imaged, and cleaned prior to isotopic analysis.

U-Pb geochronology of zircons is conducted by laser ablation multicollector inductively coupled plasma mass spectrometry (LA-MC-ICPMS) at the Arizona LaserChron Center (Gehrels et al., 2006, 2008). The analyses involve ablation of zircon with a Photon Machines Analyte G2 excimer laser (or, prior to May 2011, a New Wave UP193HE Excimer laser) using a spot diameter of 30 microns. The ablated material is carried in helium into the plasma source of a Nu HR ICPMS, which is equipped with a flight tube of sufficient width that U, Th, and Pb isotopes are measured simultaneously. All measurements are made in static mode, using Faraday detectors with 3×10^{11} ohm resistors for ^{238}U , ^{232}Th , ^{208}Pb - ^{206}Pb , and discrete dynode ion counters for ^{204}Pb and ^{202}Hg . Ion yields are ~0.8 mv per ppm. Each analysis consists of one 15-second integration on peaks with the laser off (for backgrounds), 15 one-second integrations with the laser firing, and a 30 second delay to purge the previous sample and prepare for the next analysis. The ablation pit is ~15 microns in depth.

For each analysis, the errors in determining $^{206}\text{Pb}/^{238}\text{U}$ and $^{206}\text{Pb}/^{204}\text{Pb}$ result in a measurement error of ~1-2% (at 2-sigma level) in the $^{206}\text{Pb}/^{238}\text{U}$ age. The errors in measurement of $^{206}\text{Pb}/^{207}\text{Pb}$ and $^{206}\text{Pb}/^{204}\text{Pb}$ also result in ~1-2% (at 2-sigma level) uncertainty in age for grains that are >1.0 Ga, but are substantially larger for younger grains due to low intensity of the ^{207}Pb signal. For most analyses, the cross-over in precision of $^{206}\text{Pb}/^{238}\text{U}$ and $^{206}\text{Pb}/^{207}\text{Pb}$ ages occurs at ~1.0 Ga. ^{204}Hg interference with ^{204}Pb is accounted for measurement of ^{202}Hg during laser ablation and subtraction of ^{204}Hg according to the natural $^{202}\text{Hg}/^{204}\text{Hg}$ of 4.35. This Hg is correction is not significant for most analyses because our Hg backgrounds are low (generally ~150 cps at mass 204).

Common Pb correction is accomplished by using the Hg-corrected ^{204}Pb and assuming an initial Pb composition from Stacey and Kramers (1975). Uncertainties of 1.5 for $^{206}\text{Pb}/^{204}\text{Pb}$ and 0.3 for $^{207}\text{Pb}/^{204}\text{Pb}$ are applied to these compositional values based on the variation in Pb isotopic composition in modern crystal rocks.

Inter-element fractionation of Pb/U is generally ~5%, whereas apparent fractionation of Pb isotopes is generally <0.2%. In-run analysis of fragments of a large zircon crystal (generally every fifth measurement) with known age of 563.5 ± 3.2 Ma (2-sigma error) is used to correct for this fractionation. The uncertainty resulting from the calibration correction is generally 1-2% (2-sigma) for both $^{206}\text{Pb}/^{207}\text{Pb}$ and $^{206}\text{Pb}/^{238}\text{U}$ ages.

Concentrations of U and Th are calibrated relative to our Sri Lanka zircon, which contains ~518 ppm of U and 68 ppm Th.

Notes for data table A

1. Analyses with >10% uncertainty (1-sigma) in $^{206}\text{Pb}/^{238}\text{U}$ age are not included.
2. Analyses with >10% uncertainty (1-sigma) in $^{206}\text{Pb}/^{207}\text{Pb}$ age are not included, unless $^{206}\text{Pb}/^{238}\text{U}$ age is <500 Ma.
3. Best age is determined from $^{206}\text{Pb}/^{238}\text{U}$ age for analyses with $^{206}\text{Pb}/^{238}\text{U}$ age <1000 Ma and from $^{206}\text{Pb}/^{207}\text{Pb}$ age for analyses with $^{206}\text{Pb}/^{238}\text{U}$ age > 1000 Ma.
4. Concordance is based on $^{206}\text{Pb}/^{238}\text{U}$ age / $^{206}\text{Pb}/^{207}\text{Pb}$ age. Value is not reported for $^{206}\text{Pb}/^{238}\text{U}$ ages <500 Ma because of large uncertainty in $^{206}\text{Pb}/^{207}\text{Pb}$ age.
5. Analyses with $^{206}\text{Pb}/^{238}\text{U}$ age > 500 Ma and with >20% discordance (<80% concordance) are not included.
6. Analyses with $^{206}\text{Pb}/^{238}\text{U}$ age > 500 Ma and with >5% reverse discordance (<105% concordance) are not included.
7. All uncertainties are reported at the 1-sigma level, and include only measurement errors.
8. Analyses conducted by LA-MC-ICPMS, as described by Gehrels et al. (2008).
9. U concentration and U/Th are calibrated relative to Sri Lanka zircon standard and are accurate to ~20%.
10. Common Pb correction is from measured ^{204}Pb with common Pb composition interpreted from Stacey and Kramers (1975).
11. Common Pb composition assigned uncertainties of 1.5 for $^{206}\text{Pb}/^{204}\text{Pb}$, 0.3 for $^{207}\text{Pb}/^{204}\text{Pb}$, and 2.0 for $^{208}\text{Pb}/^{204}\text{Pb}$.
12. U/Pb and $^{206}\text{Pb}/^{207}\text{Pb}$ fractionation is calibrated relative to fragments of a large Sri Lanka zircon of 563.5 ± 3.2 Ma (2-sigma).
13. U decay constants and composition as follows: $^{235}\text{U} = 9.8485 \times 10^{-10}$, $^{238}\text{U} = 1.55125 \times 10^{-10}$, $^{238}\text{U}/^{235}\text{U} = 137.88$.

References

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Table A. U-Pb geochronologic analyses from the Chugach-Prince William terrane

Analysis	U	206Pb	U/Th	206Pb*	±	Isotope ratios				error	Apparent ages (Ma)						Best age	±	
	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)		corr.	206Pb*	±	207Pb*	±	206Pb*			±
Sample NI12-04, Shumagin Fm (55.156140°, -160.017880°)																			
NI12-04-105	260	8474	1.6	22.0498	10.1	0.0687	11.7	0.0110	5.9	0.50	70.4	4.1	67.5	7.6	-36.7	245.6	70.4	4.1	
NI12-04-112	137	7261	2.2	20.0436	17.6	0.0782	18.5	0.0114	5.7	0.31	72.9	4.2	76.5	13.6	190.0	411.3	72.9	4.2	
NI12-04-26	257	22010	1.9	22.8392	14.3	0.0688	14.4	0.0114	1.6	0.11	73.0	1.1	67.5	9.4	-122.8	354.4	73.0	1.1	
NI12-04-50	434	23996	1.2	19.4470	5.0	0.0811	5.4	0.0114	2.0	0.38	73.3	1.5	79.2	4.1	259.8	114.9	73.3	1.5	
NI12-04-21	148	7705	2.2	21.7853	23.6	0.0725	23.7	0.0115	2.5	0.10	73.4	1.8	71.1	16.3	-7.5	576.7	73.4	1.8	
NI12-04-5	231	10679	1.6	23.0742	11.7	0.0688	12.0	0.0115	2.8	0.23	73.8	2.1	67.6	7.8	-148.1	290.1	73.8	2.1	
NI12-04-87	284	23108	1.4	20.3531	5.5	0.0784	6.2	0.0116	3.0	0.49	74.1	2.2	76.6	4.6	154.1	127.8	74.1	2.2	
NI12-04-11	199	11614	1.5	22.0121	15.2	0.0725	15.5	0.0116	3.4	0.22	74.2	2.5	71.0	10.7	-32.5	369.7	74.2	2.5	
NI12-04-73	48	3274	1.4	8.3563	296.9	0.1909	297.1	0.0116	11.0	0.04	74.2	8.1	177.4	526.2	1951.3	571.8	74.2	8.1	
NI12-04-97	188	9624	2.0	19.4701	14.6	0.0822	15.1	0.0116	3.8	0.25	74.4	2.8	80.2	11.6	257.1	337.3	74.4	2.8	
NI12-04-45	215	24647	1.8	20.9511	15.3	0.0769	15.6	0.0117	3.0	0.19	74.9	2.2	75.2	11.3	85.9	364.6	74.9	2.2	
NI12-04-59	190	5274	2.1	21.2010	12.3	0.0761	12.5	0.0117	1.9	0.15	75.0	1.4	74.5	9.0	57.7	294.6	75.0	1.4	
NI12-04-104	75	2256	2.3	24.1090	42.8	0.0676	43.2	0.0118	5.3	0.12	75.7	4.0	66.4	27.8	-258.1	1131.2	75.7	4.0	
NI12-04-29	51	8312	3.4	41.7506	132.5	0.0412	132.7	0.0125	7.4	0.06	79.9	5.8	41.0	53.3	NA	NA	79.9	5.8	
NI12-04-22	44	2067	2.6	33.4710	35.8	0.0559	37.1	0.0136	9.6	0.26	86.8	8.3	55.2	19.9	-1171.6	1131.7	86.8	8.3	
NI12-04-86	97	4484	1.1	18.7589	35.3	0.1004	35.9	0.0137	6.8	0.19	87.5	5.9	97.2	33.3	341.9	822.4	87.5	5.9	
NI12-04-93	87	3155	1.8	29.3365	35.6	0.0651	35.7	0.0138	3.3	0.09	88.7	2.9	64.0	22.2	-782.7	1032.4	88.7	2.9	
NI12-04-17	468	28712	1.5	21.1000	5.2	0.0906	5.3	0.0139	1.2	0.22	88.7	1.0	88.0	4.5	69.1	123.3	88.7	1.0	
NI12-04-58	192	16565	1.6	21.4917	13.8	0.0898	14.1	0.0140	2.4	0.17	89.6	2.2	87.3	11.8	25.2	333.4	89.6	2.2	
NI12-04-76	75	6019	2.1	21.4058	20.1	0.0907	20.8	0.0141	5.6	0.27	90.1	5.0	88.1	17.6	34.7	484.3	90.1	5.0	
NI12-04-54	205	19523	3.1	21.6923	8.6	0.0899	8.9	0.0141	2.4	0.27	90.5	2.1	87.4	7.5	2.8	207.2	90.5	2.1	
NI12-04-117	129	8825	1.8	20.1176	12.8	0.0969	13.1	0.0141	2.9	0.22	90.5	2.6	93.9	11.7	181.3	298.5	90.5	2.6	
NI12-04-28	81	4836	2.3	24.2059	30.5	0.0810	31.0	0.0142	5.4	0.17	91.0	4.9	79.1	23.6	-268.3	789.9	91.0	4.9	
NI12-04-65	39	2191	2.9	9.1098	183.9	0.2167	184.2	0.0143	10.9	0.06	91.6	9.9	199.2	346.0	1795.6	219.7	91.6	9.9	
NI12-04-101	77	6548	2.9	24.2344	39.3	0.0817	39.6	0.0144	4.7	0.12	91.9	4.3	79.7	30.4	-271.3	1034.1	91.9	4.3	
NI12-04-67	110	6659	1.8	24.2755	21.4	0.0816	22.7	0.0144	7.8	0.34	91.9	7.1	79.6	17.4	-275.6	548.2	91.9	7.1	
NI12-04-91	86	8540	1.7	21.1947	19.7	0.0944	20.1	0.0145	3.7	0.18	92.9	3.4	91.6	17.6	58.5	473.8	92.9	3.4	
NI12-04-83	219	14551	1.8	19.4126	5.2	0.1038	5.4	0.0146	1.4	0.27	93.5	1.3	100.3	5.1	263.8	118.7	93.5	1.3	
NI12-04-38	42	2116	2.7	18.4102	35.1	0.1097	35.9	0.0147	7.5	0.21	93.8	7.0	105.7	36.1	384.2	812.4	93.8	7.0	
NI12-04-96	107	4338	1.7	27.2150	37.8	0.0744	38.9	0.0147	9.3	0.24	94.0	8.7	72.9	27.4	-575.2	1052.2	94.0	8.7	
NI12-04-68	166	8006	2.1	22.6886	12.9	0.0917	13.4	0.0151	3.7	0.28	96.5	3.6	89.0	11.4	-106.5	318.0	96.5	3.6	
NI12-04-40	410	18424	2.7	21.1491	6.2	0.0989	6.4	0.0152	1.6	0.26	97.0	1.6	95.7	5.9	63.6	147.6	97.0	1.6	
NI12-04-23	197	9142	2.9	21.1911	14.0	0.0989	14.2	0.0152	2.2	0.15	97.2	2.1	95.8	13.0	58.9	335.6	97.2	2.1	
NI12-04-10	171	13556	1.9	21.7759	7.5	0.0966	7.8	0.0152	2.0	0.26	97.6	1.9	93.6	6.9	-6.4	181.3	97.6	1.9	
NI12-04-75	185	13295	2.2	23.8082	12.6	0.0891	13.2	0.0154	3.9	0.30	98.4	3.8	86.7	11.0	-226.4	318.6	98.4	3.8	
NI12-04-39	176	21878	1.1	19.6845	5.9	0.1171	6.1	0.0167	1.7	0.28	106.9	1.8	112.4	6.5	231.8	135.6	106.9	1.8	
NI12-04-62	63	3590	2.3	30.8630	20.8	0.0751	21.5	0.0168	5.4	0.25	107.5	5.7	73.5	15.2	-928.4	611.5	107.5	5.7	
NI12-04-89	45	2050	2.0	22.4877	47.0	0.1054	47.6	0.0172	7.3	0.15	109.9	8.0	101.8	46.1	-84.6	1212.1	109.9	8.0	
NI12-04-95	258	50612	53.6	20.6957	5.1	0.1386	5.5	0.0208	2.0	0.36	132.7	2.6	131.8	6.8	114.9	121.4	132.7	2.6	
NI12-04-8	339	32418	1.8	21.4174	7.2	0.1382	7.3	0.0215	1.4	0.19	136.9	1.9	131.4	9.1	33.5	172.9	136.9	1.9	
NI12-04-36	222	30648	8.4	21.6371	9.1	0.1425	9.4	0.0224	2.5	0.27	142.6	3.5	135.3	11.9	9.0	218.5	142.6	3.5	
NI12-04-15	39	3463	1.8	38.3547	56.2	0.0826	56.4	0.0230	5.4	0.10	146.5	7.9	80.6	43.8	NA	NA	146.5	7.9	
NI12-04-88	28	4089	1.6	27.0236	35.2	0.1176	35.5	0.0230	4.9	0.14	146.9	7.1	112.9	38.0	-556.2	972.6	146.9	7.1	
NI12-04-24	104	10956	1.1	20.1921	9.7	0.1598	10.1	0.0234	2.6	0.26	149.1	3.8	150.5	14.1	172.7	227.4	149.1	3.8	

NI12-04-55	135	4911	4.1	19.2014	23.3	0.1681	24.6	0.0234	8.1	0.33	149.1	12.0	157.7	36.0	288.9	537.8	149.1	12.0
NI12-04-77	122	16017	8.5	22.3593	9.8	0.1448	10.0	0.0235	1.9	0.19	149.6	2.8	137.3	12.8	-70.6	239.4	149.6	2.8
NI12-04-85	45	8653	1.7	30.9322	41.9	0.1056	42.2	0.0237	4.8	0.11	150.9	7.1	101.9	40.9	-934.9	1269.6	150.9	7.1
NI12-04-34	73	6375	1.3	21.6113	26.1	0.1522	26.3	0.0239	3.1	0.12	152.0	4.6	143.8	35.2	11.8	636.4	152.0	4.6
NI12-04-52	40	4444	2.2	21.1230	30.3	0.1564	30.9	0.0240	6.0	0.19	152.6	9.0	147.5	42.5	66.5	736.7	152.6	9.0
NI12-04-108	59	6597	1.5	21.2925	23.9	0.1558	24.3	0.0241	4.4	0.18	153.3	6.6	147.0	33.3	47.4	578.9	153.3	6.6
NI12-04-4	81	7546	3.4	23.9828	15.2	0.1385	15.4	0.0241	2.4	0.16	153.5	3.6	131.7	19.0	-244.8	386.1	153.5	3.6
NI12-04-107	74	10589	2.7	21.9209	23.7	0.1529	24.4	0.0243	6.0	0.25	154.8	9.2	144.5	32.9	-22.5	579.6	154.8	9.2
NI12-04-25	110	7397	2.1	19.7603	10.4	0.1702	11.1	0.0244	3.8	0.34	155.4	5.8	159.6	16.3	222.9	241.1	155.4	5.8
NI12-04-79	50	2987	1.7	21.0640	17.7	0.1604	19.1	0.0245	7.1	0.37	156.1	10.9	151.1	26.8	73.2	423.8	156.1	10.9
NI12-04-115	53	5765	1.4	26.5823	31.1	0.1272	31.3	0.0245	4.2	0.13	156.2	6.4	121.6	35.9	-512.0	845.6	156.2	6.4
NI12-04-19	117	11151	4.1	20.1143	9.4	0.1681	9.8	0.0245	2.6	0.27	156.2	4.1	157.8	14.3	181.7	219.2	156.2	4.1
NI12-04-27	27	2814	2.3	19.3556	46.4	0.1763	46.6	0.0247	5.1	0.11	157.6	7.9	164.8	71.1	270.6	1119.7	157.6	7.9
NI12-04-7	46	11895	2.3	19.2185	22.6	0.1776	23.4	0.0248	6.0	0.26	157.7	9.4	166.0	35.8	286.9	521.8	157.7	9.4
NI12-04-113	166	27433	3.5	18.9116	6.7	0.1821	14.1	0.0250	12.4	0.88	159.0	19.5	169.8	22.1	323.5	152.3	159.0	19.5
NI12-04-47	120	9143	2.3	19.3042	15.9	0.1789	16.3	0.0250	3.4	0.21	159.5	5.4	167.1	25.1	276.7	366.1	159.5	5.4
NI12-04-63	38	3618	3.5	23.7414	40.4	0.1457	40.8	0.0251	5.4	0.13	159.7	8.5	138.1	52.7	-219.3	1053.8	159.7	8.5
NI12-04-60	197	37057	1.4	20.6339	5.5	0.1678	5.7	0.0251	1.6	0.28	159.8	2.5	157.5	8.3	122.0	129.3	159.8	2.5
NI12-04-78	221	23788	1.5	20.5291	5.9	0.1689	6.0	0.0251	1.0	0.17	160.1	1.6	158.4	8.8	134.0	139.4	160.1	1.6
NI12-04-114	421	44720	3.9	20.2927	2.9	0.1721	3.1	0.0253	1.2	0.38	161.2	1.9	161.2	4.6	161.1	67.1	161.2	1.9
NI12-04-99	53	4493	4.1	20.5606	20.6	0.1699	20.8	0.0253	2.8	0.13	161.3	4.4	159.3	30.7	130.4	489.6	161.3	4.4
NI12-04-48	99	7210	2.0	21.5782	14.4	0.1620	14.5	0.0254	1.8	0.12	161.4	2.9	152.5	20.6	15.5	348.1	161.4	2.9
NI12-04-90	50	6613	1.9	20.7918	15.4	0.1685	16.5	0.0254	5.9	0.36	161.8	9.5	158.2	24.2	104.0	366.6	161.8	9.5
NI12-04-84	25	1534	2.2	41.6495	81.8	0.0842	82.2	0.0254	7.6	0.09	161.9	12.2	82.1	64.9	-1904.2	1062.5	161.9	12.2
NI12-04-94	200	21842	1.9	19.8190	4.6	0.1779	5.0	0.0256	2.0	0.41	162.8	3.3	166.2	7.7	216.1	105.9	162.8	3.3
NI12-04-100	105	11844	2.2	21.1817	12.5	0.1670	12.8	0.0257	2.5	0.20	163.3	4.1	156.8	18.5	59.9	299.0	163.3	4.1
NI12-04-6	37	5266	1.9	16.1701	20.3	0.2210	21.7	0.0259	7.5	0.35	164.9	12.2	202.7	39.8	668.7	439.0	164.9	12.2
NI12-04-37	116	6596	4.8	21.0094	6.1	0.1702	6.9	0.0259	3.2	0.47	165.1	5.2	159.6	10.2	79.3	144.7	165.1	5.2
NI12-04-49	80	5910	2.1	19.3639	20.6	0.1855	20.9	0.0260	3.8	0.18	165.8	6.2	172.8	33.3	269.6	476.7	165.8	6.2
NI12-04-30	99	14854	3.2	21.6213	6.8	0.1662	7.4	0.0261	2.8	0.38	165.8	4.6	156.1	10.7	10.7	164.7	165.8	4.6
NI12-04-3	43	4324	0.9	26.4108	39.6	0.1365	40.1	0.0261	5.8	0.14	166.4	9.5	129.9	48.9	-494.8	1090.0	166.4	9.5
NI12-04-43	75	6915	1.1	22.3123	9.4	0.1618	9.8	0.0262	2.9	0.30	166.6	4.8	152.3	13.9	-65.5	229.6	166.6	4.8
NI12-04-35	188	32083	1.9	20.1362	8.8	0.1807	9.1	0.0264	2.2	0.24	168.0	3.6	168.7	14.1	179.2	206.0	168.0	3.6
NI12-04-64	60	4623	1.7	18.5417	21.0	0.1967	21.5	0.0264	4.4	0.20	168.3	7.3	182.3	35.9	368.2	478.5	168.3	7.3
NI12-04-20	127	11965	1.7	20.5587	6.1	0.1774	6.9	0.0265	3.1	0.45	168.3	5.1	165.8	10.5	130.6	144.3	168.3	5.1
NI12-04-12	50	7101	1.6	21.0945	21.9	0.1738	22.8	0.0266	6.2	0.27	169.2	10.4	162.7	34.3	69.7	527.1	169.2	10.4
NI12-04-44	62	11616	2.0	22.2709	20.9	0.1653	21.2	0.0267	3.6	0.17	169.9	6.0	155.3	30.5	-61.0	513.5	169.9	6.0
NI12-04-53	569	95067	6.3	20.1807	1.5	0.1828	1.8	0.0268	1.0	0.54	170.2	1.6	170.5	2.9	174.0	35.7	170.2	1.6
NI12-04-110	104	12159	2.3	20.9095	13.3	0.1768	13.5	0.0268	2.2	0.16	170.6	3.6	165.3	20.6	90.6	317.4	170.6	3.6
NI12-04-82	64	6166	2.9	20.3661	12.3	0.1825	13.5	0.0270	5.7	0.42	171.4	9.7	170.2	21.2	152.7	288.0	171.4	9.7
NI12-04-1	152	13011	2.4	21.6850	8.3	0.1717	8.4	0.0270	1.4	0.16	171.8	2.3	160.9	12.6	3.7	201.0	171.8	2.3
NI12-04-31	67	5107	2.7	20.1644	7.6	0.1855	9.3	0.0271	5.4	0.58	172.5	9.1	172.7	14.8	175.9	177.5	172.5	9.1
NI12-04-74	145	17260	3.4	20.0787	3.8	0.1870	4.1	0.0272	1.7	0.40	173.2	2.8	174.1	6.6	185.8	87.4	173.2	2.8
NI12-04-72	279	37643	1.6	20.3219	4.1	0.1858	4.2	0.0274	1.1	0.26	174.2	1.9	173.1	6.8	157.8	96.0	174.2	1.9
NI12-04-92	51	5975	4.6	17.6119	31.4	0.2156	31.6	0.0275	3.1	0.10	175.1	5.4	198.2	56.9	483.0	710.3	175.1	5.4
NI12-04-71	87	12853	1.7	22.0550	12.0	0.1728	12.4	0.0276	3.3	0.26	175.8	5.7	161.9	18.6	-37.3	291.1	175.8	5.7
NI12-04-41	165	21867	3.3	21.1426	7.0	0.1804	7.5	0.0277	2.7	0.35	175.9	4.6	168.4	11.6	64.3	167.2	175.9	4.6
NI12-04-9	80	8309	3.3	22.5057	9.1	0.1695	9.8	0.0277	3.6	0.37	175.9	6.2	159.0	14.4	-86.6	223.3	175.9	6.2
NI12-04-61	68	14354	1.9	19.2410	13.7	0.2033	15.3	0.0284	6.7	0.44	180.3	11.8	187.9	26.2	284.2	315.1	180.3	11.8
NI12-04-81	79	13991	1.8	21.4881	13.4	0.1836	13.5	0.0286	2.0	0.15	181.8	3.6	171.1	21.3	25.6	322.2	181.8	3.6

NI12-04-66	154	15880	2.3	20.6815	7.6	0.1929	8.1	0.0289	2.8	0.35	183.9	5.2	179.1	13.3	116.5	178.4	183.9	5.2
NI12-04-18	59	9247	2.3	18.2420	10.2	0.2199	10.4	0.0291	2.1	0.20	184.8	3.9	201.8	19.0	404.8	228.0	184.8	3.9
NI12-04-46	49	4419	3.4	21.3267	17.4	0.1887	17.7	0.0292	3.0	0.17	185.4	5.5	175.5	28.5	43.6	418.8	185.4	5.5
NI12-04-51	71	9070	1.8	20.5177	14.6	0.1963	14.7	0.0292	1.5	0.10	185.6	2.8	182.0	24.5	135.2	344.9	185.6	2.8
NI12-04-33	101	31905	1.9	20.8380	10.3	0.1945	10.5	0.0294	2.0	0.19	186.8	3.7	180.5	17.3	98.7	243.5	186.8	3.7
NI12-04-102	87	6108	2.0	20.9898	8.8	0.1949	9.2	0.0297	2.8	0.30	188.4	5.1	180.8	15.3	81.5	209.9	188.4	5.1
NI12-04-98	115	15034	2.2	20.4630	8.5	0.2011	8.6	0.0299	1.4	0.16	189.6	2.7	186.1	14.7	141.5	199.8	189.6	2.7
NI12-04-103	243	49724	1.9	20.1445	2.5	0.2087	2.7	0.0305	1.1	0.39	193.6	2.1	192.4	4.8	178.2	58.7	193.6	2.1
NI12-04-13	93	11246	1.8	21.5313	13.6	0.1959	13.8	0.0306	2.4	0.17	194.3	4.6	181.7	22.9	20.7	327.4	194.3	4.6
NI12-04-111	219	21109	2.3	20.4251	6.7	0.2110	7.1	0.0313	2.3	0.33	198.4	4.5	194.4	12.6	145.9	158.1	198.4	4.5
NI12-04-70	471	6220	1.7	19.4041	1.9	0.2423	2.3	0.0341	1.3	0.56	216.1	2.7	220.3	4.5	264.8	43.5	216.1	2.7
NI12-04-2	92	11209	2.2	21.0142	10.3	0.2266	10.4	0.0345	1.1	0.11	218.8	2.4	207.4	19.5	78.8	245.8	218.8	2.4
NI12-04-109	1730	181298	1.3	19.7734	0.6	0.2438	1.7	0.0350	1.6	0.93	221.5	3.4	221.5	3.3	221.4	13.8	221.5	3.4
NI12-04-14	346	45391	1.0	20.0562	2.5	0.2404	2.9	0.0350	1.4	0.49	221.6	3.1	218.7	5.7	188.4	58.4	221.6	3.1
NI12-04-80	687	105189	1.3	19.7186	1.9	0.2460	2.1	0.0352	0.9	0.44	222.9	2.0	223.3	4.3	227.8	44.4	222.9	2.0
NI12-04-32	310	26454	2.9	19.8515	2.8	0.2475	3.3	0.0356	1.8	0.55	225.7	4.0	224.5	6.7	212.3	64.6	225.7	4.0
NI12-04-116	108	22246	2.9	20.3632	6.8	0.2415	7.0	0.0357	1.8	0.25	225.9	3.9	219.6	13.8	153.0	158.9	225.9	3.9
NI12-04-106	223	25821	0.8	20.0880	4.4	0.2455	5.2	0.0358	2.8	0.53	226.6	6.2	222.9	10.5	184.8	103.3	226.6	6.2
NI12-04-69	50	10974	2.2	20.8296	14.5	0.2943	15.0	0.0445	3.7	0.24	280.5	10.1	262.0	34.6	99.7	345.0	280.5	10.1
NI12-04-42	43	9700	2.2	21.0817	15.0	0.2925	15.2	0.0447	2.2	0.15	282.1	6.1	260.5	34.9	71.1	358.6	282.1	6.1
Sample NI12-06, Shumagin Fm (55.116000°, -160.025040°)																		
NI12-06-52	142	4534	2.3	26.7352	16.7	0.0564	17.0	0.0109	3.3	0.20	70.2	2.3	55.8	9.2	-527.4	448.4	70.2	2.3
NI12-06-54	214	10318	1.6	20.5258	12.8	0.0751	13.1	0.0112	3.2	0.24	71.7	2.3	73.5	9.3	134.3	300.8	71.7	2.3
NI12-06-58	233	13598	1.3	20.4825	11.8	0.0756	12.0	0.0112	2.1	0.18	72.0	1.5	74.0	8.5	139.3	277.3	72.0	1.5
NI12-06-71	124	3318	2.5	30.2246	76.9	0.0513	77.1	0.0112	6.0	0.08	72.0	4.3	50.8	38.2	-867.8	2601.8	72.0	4.3
NI12-06-17	167	10381	2.4	22.2777	15.4	0.0697	15.6	0.0113	2.6	0.17	72.2	1.9	68.4	10.3	-61.7	377.9	72.2	1.9
NI12-06-36	177	5734	2.0	19.9713	16.7	0.0778	17.0	0.0113	2.8	0.17	72.3	2.0	76.1	12.4	198.3	390.8	72.3	2.0
NI12-06-12	356	22788	1.6	21.5004	8.9	0.0726	9.1	0.0113	1.5	0.16	72.6	1.1	71.2	6.2	24.2	215.0	72.6	1.1
NI12-06-41	218	9041	1.9	22.0833	10.4	0.0709	10.7	0.0113	2.4	0.23	72.8	1.8	69.5	7.2	-40.4	253.3	72.8	1.8
NI12-06-42	205	8522	1.6	21.3212	15.8	0.0735	16.2	0.0114	3.3	0.20	72.9	2.4	72.0	11.3	44.2	380.7	72.9	2.4
NI12-06-93	289	8800	1.5	19.5201	21.7	0.0803	21.9	0.0114	2.9	0.13	72.9	2.1	78.5	16.6	251.1	505.2	72.9	2.1
NI12-06-69	248	19982	1.7	21.6365	5.9	0.0727	7.0	0.0114	3.7	0.53	73.1	2.7	71.2	4.8	9.0	141.8	73.1	2.7
NI12-06-22	177	7196	2.1	22.0833	12.1	0.0715	12.5	0.0115	3.3	0.26	73.4	2.4	70.1	8.5	-40.4	294.2	73.4	2.4
NI12-06-13	203	6011	2.3	22.2661	16.6	0.0709	16.7	0.0115	2.2	0.13	73.4	1.6	69.6	11.2	-60.4	406.4	73.4	1.6
NI12-06-48	182	4324	1.3	20.8734	23.7	0.0757	23.8	0.0115	2.4	0.10	73.4	1.7	74.1	17.0	94.7	568.3	73.4	1.7
NI12-06-64	118	4155	1.5	25.6110	16.0	0.0618	18.0	0.0115	8.3	0.46	73.6	6.1	60.9	10.7	-413.7	421.4	73.6	6.1
NI12-06-6	128	7133	2.4	27.0364	24.9	0.0586	25.2	0.0115	3.9	0.15	73.6	2.8	57.8	14.2	-557.4	679.9	73.6	2.8
NI12-06-11	230	17644	1.7	19.6540	11.1	0.0806	11.2	0.0115	1.3	0.12	73.6	0.9	78.7	8.5	235.4	257.8	73.6	0.9
NI12-06-7	205	6669	1.9	21.2878	7.4	0.0745	7.8	0.0115	2.6	0.33	73.7	1.9	73.0	5.5	48.0	176.9	73.7	1.9
NI12-06-45	191	9472	2.4	23.7701	22.2	0.0669	22.3	0.0115	2.3	0.10	74.0	1.7	65.8	14.2	-222.3	563.3	74.0	1.7
NI12-06-78	85	1641	1.9	53.1493	67.9	0.0300	68.2	0.0115	7.1	0.10	74.0	5.2	30.0	20.2	NA	NA	74.0	5.2
NI12-06-70	58	3688	1.8	17.5359	45.7	0.0908	46.4	0.0116	7.8	0.17	74.0	5.7	88.3	39.2	492.5	1062.0	74.0	5.7
NI12-06-56	183	9837	2.2	22.9870	12.1	0.0694	12.5	0.0116	3.2	0.26	74.1	2.4	68.1	8.3	-138.7	300.4	74.1	2.4
NI12-06-26	125	5810	1.8	21.4409	27.2	0.0744	28.1	0.0116	7.2	0.26	74.2	5.3	72.9	19.8	30.8	661.4	74.2	5.3
NI12-06-18	163	3338	2.2	21.4463	10.9	0.0748	11.4	0.0116	3.6	0.32	74.6	2.7	73.3	8.1	30.2	260.9	74.6	2.7
NI12-06-100	369	15340	1.2	21.4226	10.1	0.0751	10.3	0.0117	1.9	0.18	74.8	1.4	73.6	7.3	32.9	242.2	74.8	1.4
NI12-06-47	69	6342	1.8	16.8859	208.5	0.0956	208.7	0.0117	8.5	0.04	75.0	6.4	92.7	187.0	575.2	1410.2	75.0	6.4
NI12-06-53	531	9576	1.0	20.7867	6.4	0.0778	6.9	0.0117	2.8	0.40	75.2	2.1	76.1	5.1	104.6	150.6	75.2	2.1
NI12-06-19	292	30455	0.9	21.3498	11.6	0.0758	11.7	0.0117	1.9	0.16	75.3	1.4	74.2	8.4	41.0	277.4	75.3	1.4

NI12-06-15	223	25432	1.4	24.2983	27.1	0.0667	27.3	0.0118	2.6	0.10	75.3	2.0	65.5	17.3	-278.0	701.0	75.3	2.0
NI12-06-32	65	5235	2.4	21.1346	51.7	0.0769	52.4	0.0118	8.5	0.16	75.5	6.4	75.2	38.0	65.2	1314.0	75.5	6.4
NI12-06-80	167	3021	1.8	19.5630	39.5	0.0832	39.9	0.0118	5.7	0.14	75.7	4.3	81.1	31.1	246.1	943.6	75.7	4.3
NI12-06-40	430	31268	1.2	20.5757	7.7	0.0792	8.0	0.0118	2.4	0.30	75.7	1.8	77.4	6.0	128.7	180.4	75.7	1.8
NI12-06-29	135	6018	1.9	23.9749	22.5	0.0685	23.4	0.0119	6.4	0.27	76.3	4.9	67.2	15.2	-244.0	574.4	76.3	4.9
NI12-06-55	260	17188	1.3	21.3296	11.9	0.0771	12.1	0.0119	2.4	0.20	76.5	1.8	75.4	8.8	43.3	284.3	76.5	1.8
NI12-06-102	249	9927	1.2	20.6308	10.1	0.0809	10.5	0.0121	2.9	0.28	77.6	2.3	79.0	8.0	122.3	238.8	77.6	2.3
NI12-06-8	369	10558	1.2	22.4282	7.2	0.0745	7.8	0.0121	3.0	0.38	77.7	2.3	73.0	5.5	-78.2	176.6	77.7	2.3
NI12-06-39	69	3253	1.5	28.7855	51.3	0.0583	52.0	0.0122	8.9	0.17	78.0	6.9	57.6	29.1	-729.4	1518.0	78.0	6.9
NI12-06-30	189	15335	1.1	23.8914	16.6	0.0715	17.1	0.0124	3.9	0.23	79.4	3.1	70.1	11.6	-235.2	422.1	79.4	3.1
NI12-06-85	295	9517	2.9	19.9807	8.2	0.0867	8.5	0.0126	2.2	0.25	80.5	1.7	84.4	6.8	197.3	190.2	80.5	1.7
NI12-06-91	203	8958	1.6	24.8242	16.4	0.0700	16.6	0.0126	2.6	0.16	80.8	2.1	68.7	11.0	-332.7	424.4	80.8	2.1
NI12-06-27	121	5160	1.1	22.4990	15.7	0.0780	16.1	0.0127	3.3	0.21	81.6	2.7	76.3	11.8	-85.9	387.7	81.6	2.7
NI12-06-92	671	31663	1.1	21.4537	3.8	0.0856	5.9	0.0133	4.4	0.76	85.3	3.8	83.4	4.7	29.4	91.3	85.3	3.8
NI12-06-67	438	48664	5.6	20.7935	6.9	0.0894	7.0	0.0135	1.1	0.16	86.3	0.9	86.9	5.8	103.8	163.8	86.3	0.9
NI12-06-31	176	9030	1.8	21.7588	14.2	0.0858	14.7	0.0135	3.8	0.26	86.7	3.3	83.6	11.8	-4.5	343.7	86.7	3.3
NI12-06-49	343	23908	1.1	21.7104	8.2	0.0867	8.4	0.0137	1.8	0.21	87.4	1.5	84.4	6.8	0.8	197.6	87.4	1.5
NI12-06-59	107	5517	2.5	22.8155	27.2	0.0840	27.3	0.0139	2.5	0.09	89.0	2.2	81.9	21.5	-120.2	681.7	89.0	2.2
NI12-06-82	207	3207	1.4	21.1596	12.9	0.0912	13.0	0.0140	2.1	0.16	89.6	1.9	88.6	11.1	62.4	307.7	89.6	1.9
NI12-06-3	936	10275	1.4	20.8007	2.9	0.0932	3.9	0.0141	2.6	0.67	90.0	2.3	90.5	3.4	103.0	68.1	90.0	2.3
NI12-06-84	225	13946	2.1	21.5690	14.0	0.0903	14.7	0.0141	4.4	0.30	90.5	4.0	87.8	12.3	16.5	337.4	90.5	4.0
NI12-06-57	133	8645	1.7	24.2338	17.5	0.0807	17.9	0.0142	3.7	0.21	90.8	3.4	78.8	13.5	-271.2	446.7	90.8	3.4
NI12-06-14	88	9178	1.9	18.4481	28.3	0.1077	28.7	0.0144	4.9	0.17	92.2	4.5	103.8	28.3	379.6	647.5	92.2	4.5
NI12-06-79	132	16487	2.5	20.8754	17.3	0.0966	17.6	0.0146	3.3	0.19	93.6	3.1	93.7	15.8	94.5	412.4	93.6	3.1
NI12-06-1	47	3456	2.3	43.7310	134.0	0.0463	134.3	0.0147	8.2	0.06	94.0	7.6	46.0	60.4	NA	NA	94.0	7.6
NI12-06-83	300	9442	1.8	20.1438	10.0	0.1070	10.3	0.0156	2.7	0.26	100.0	2.7	103.2	10.1	178.3	232.8	100.0	2.7
NI12-06-4	347	18381	3.7	19.9501	5.7	0.1102	6.1	0.0159	2.2	0.36	102.0	2.2	106.1	6.2	200.8	132.4	102.0	2.2
NI12-06-21	121	7270	1.3	21.8437	20.2	0.1007	20.6	0.0160	3.6	0.18	102.0	3.6	97.4	19.1	-13.9	493.4	102.0	3.6
NI12-06-2	222	25400	2.9	21.0960	9.2	0.1049	9.3	0.0160	1.6	0.18	102.6	1.7	101.3	9.0	69.6	218.5	102.6	1.7
NI12-06-5	140	13792	1.0	21.1784	23.2	0.1078	23.5	0.0166	3.5	0.15	105.9	3.7	104.0	23.2	60.3	559.6	105.9	3.7
NI12-06-65	1478	99320	2.9	20.8144	1.8	0.1155	2.7	0.0174	2.0	0.74	111.4	2.2	111.0	2.8	101.4	42.2	111.4	2.2
NI12-06-35	163	18896	2.0	21.6213	10.5	0.1211	10.9	0.0190	2.9	0.27	121.3	3.5	116.1	12.0	10.7	253.0	121.3	3.5
NI12-06-60	52	10823	1.9	20.2362	23.7	0.1478	25.1	0.0217	8.4	0.33	138.4	11.4	140.0	32.9	167.6	560.9	138.4	11.4
NI12-06-75	90	6794	4.6	21.1092	25.4	0.1492	25.6	0.0228	3.3	0.13	145.6	4.7	141.2	33.8	68.1	613.4	145.6	4.7
NI12-06-74	53	2905	1.9	19.2387	31.7	0.1654	32.1	0.0231	4.8	0.15	147.1	7.0	155.4	46.3	284.5	742.9	147.1	7.0
NI12-06-66	53	6410	1.3	22.5354	30.1	0.1415	30.7	0.0231	6.2	0.20	147.4	9.0	134.4	38.7	-89.8	753.1	147.4	9.0
NI12-06-63	98	5342	1.3	19.6187	13.8	0.1638	14.2	0.0233	3.7	0.26	148.5	5.4	154.0	20.4	239.6	318.6	148.5	5.4
NI12-06-25	76	7717	1.9	24.3034	23.8	0.1329	24.2	0.0234	4.5	0.19	149.3	6.6	126.7	28.9	-278.5	612.7	149.3	6.6
NI12-06-61	52	4968	1.7	25.7465	18.6	0.1263	20.7	0.0236	9.0	0.43	150.3	13.3	120.8	23.5	-427.5	492.3	150.3	13.3
NI12-06-88	84	6527	1.2	18.8147	9.9	0.1748	10.2	0.0239	2.5	0.25	152.0	3.8	163.6	15.4	335.2	224.2	152.0	3.8
NI12-06-96	164	1551	1.0	19.2242	16.6	0.1732	17.1	0.0241	4.1	0.24	153.8	6.2	162.2	25.6	286.2	381.2	153.8	6.2
NI12-06-51	180	21425	1.9	20.3053	8.7	0.1663	8.7	0.0245	1.1	0.12	156.0	1.7	156.2	12.7	159.7	203.3	156.0	1.7
NI12-06-24	299	40965	2.6	20.6802	3.7	0.1651	5.1	0.0248	3.4	0.68	157.7	5.3	155.2	7.3	116.7	87.4	157.7	5.3
NI12-06-90	69	11181	1.2	18.4672	23.5	0.1860	24.1	0.0249	5.0	0.21	158.6	7.9	173.2	38.3	377.3	536.2	158.6	7.9
NI12-06-89	82	12235	2.4	19.9656	21.8	0.1732	22.0	0.0251	3.4	0.15	159.7	5.4	162.2	33.0	199.0	510.9	159.7	5.4
NI12-06-105	218	21410	2.5	19.8942	6.9	0.1742	7.1	0.0251	1.6	0.22	160.0	2.5	163.0	10.7	207.3	160.7	160.0	2.5
NI12-06-97	45	3088	1.9	17.6319	28.4	0.1973	28.9	0.0252	5.2	0.18	160.6	8.3	182.9	48.4	480.5	639.5	160.6	8.3
NI12-06-37	360	22187	0.7	20.1971	4.2	0.1743	4.5	0.0255	1.5	0.32	162.5	2.3	163.1	6.8	172.1	99.0	162.5	2.3
NI12-06-94	808	32791	0.9	20.1515	1.3	0.1766	1.9	0.0258	1.4	0.74	164.3	2.3	165.1	2.9	177.4	29.2	164.3	2.3
NI12-06-95	73	3440	2.0	19.5727	22.6	0.1839	22.8	0.0261	3.1	0.14	166.1	5.1	171.4	36.0	244.9	526.1	166.1	5.1

NI12-06-28	26	2376	7.4	17.2109	30.6	0.2103	31.6	0.0263	7.8	0.25	167.0	12.8	193.8	55.8	533.6	685.5	167.0	12.8
NI12-06-20	68	4470	2.0	21.8647	29.7	0.1668	29.8	0.0264	3.3	0.11	168.2	5.4	156.6	43.3	-16.3	730.8	168.2	5.4
NI12-06-72	57	7242	2.3	17.3290	17.8	0.2106	19.2	0.0265	7.0	0.36	168.4	11.6	194.0	33.8	518.6	394.5	168.4	11.6
NI12-06-98	224	9193	3.7	20.3607	5.0	0.1810	5.1	0.0267	1.2	0.24	170.1	2.1	169.0	8.0	153.3	117.0	170.1	2.1
NI12-06-87	103	16209	4.5	22.6031	15.9	0.1656	16.1	0.0272	2.9	0.18	172.7	5.0	155.6	23.3	-97.2	392.0	172.7	5.0
NI12-06-9	201	19727	2.3	20.3621	7.7	0.1843	7.9	0.0272	1.5	0.19	173.1	2.5	171.7	12.5	153.1	181.5	173.1	2.5
NI12-06-43	88	17254	2.7	21.0279	15.6	0.1817	16.1	0.0277	4.1	0.26	176.2	7.2	169.6	25.2	77.2	371.7	176.2	7.2
NI12-06-23	68	5115	1.6	20.0159	18.8	0.1911	19.1	0.0277	3.5	0.19	176.4	6.2	177.5	31.2	193.2	440.3	176.4	6.2
NI12-06-46	236	50142	1.9	20.2091	6.0	0.1926	6.3	0.0282	1.8	0.29	179.4	3.2	178.8	10.3	170.7	141.2	179.4	3.2
NI12-06-101	80	10499	1.6	20.7884	18.4	0.1880	18.9	0.0284	4.2	0.22	180.2	7.5	175.0	30.3	104.4	437.9	180.2	7.5
NI12-06-16	122	13754	1.9	20.9207	11.4	0.1869	11.6	0.0284	1.8	0.16	180.3	3.3	174.0	18.5	89.4	271.2	180.3	3.3
NI12-06-38	289	22337	1.8	20.4701	3.0	0.1912	3.3	0.0284	1.3	0.41	180.4	2.4	177.6	5.4	140.7	70.6	180.4	2.4
NI12-06-86	186	13349	1.6	19.9632	3.2	0.1984	3.4	0.0287	1.0	0.31	182.6	1.9	183.8	5.7	199.3	74.8	182.6	1.9
NI12-06-68	768	65955	1.4	19.8516	2.1	0.2073	2.4	0.0298	1.1	0.48	189.6	2.1	191.3	4.1	212.3	48.1	189.6	2.1
NI12-06-50	213	38097	2.8	20.2392	4.9	0.2058	5.3	0.0302	2.0	0.37	191.9	3.7	190.0	9.2	167.3	115.0	191.9	3.7
NI12-06-10	187	19545	2.8	20.3085	3.7	0.2073	3.9	0.0305	1.3	0.34	193.8	2.5	191.2	6.8	159.3	86.2	193.8	2.5
NI12-06-44	87	7576	3.0	21.8210	14.5	0.1937	15.3	0.0306	4.9	0.32	194.6	9.4	179.7	25.3	-11.4	352.7	194.6	9.4
NI12-06-62	476	57658	1.7	20.0179	2.3	0.2151	2.6	0.0312	1.4	0.51	198.2	2.6	197.8	4.7	192.9	52.7	198.2	2.6
NI12-06-73	125	15926	1.1	21.5209	9.6	0.2092	10.0	0.0327	2.7	0.27	207.2	5.4	192.9	17.5	21.9	231.3	207.2	5.4
NI12-06-81	133	28129	2.4	20.1293	7.7	0.2372	8.1	0.0346	2.4	0.29	219.5	5.1	216.1	15.8	180.0	180.6	219.5	5.1
NI12-06-104	546	36782	1.7	19.4983	1.8	0.2533	2.3	0.0358	1.4	0.62	226.9	3.2	229.2	4.8	253.7	42.0	226.9	3.2
NI12-06-77	185	34253	1.8	19.2833	6.1	0.3134	6.6	0.0438	2.5	0.38	276.6	6.7	276.9	15.9	279.2	139.1	276.6	6.7
NI12-06-34	285	82530	1.5	18.6502	2.8	0.4321	2.9	0.0585	1.0	0.33	366.2	3.5	364.7	9.0	355.1	62.9	366.2	3.5
NI12-06-76	631	148151	1.4	18.3396	0.6	0.4649	1.7	0.0618	1.6	0.94	386.8	6.0	387.7	5.5	392.8	13.1	386.8	6.0
NI12-06-103	136	155534	1.2	8.8700	0.4	5.2129	0.9	0.3354	0.8	0.90	1864.3	12.8	1854.7	7.4	1844.0	6.8	1844.0	6.8
NI12-06-99	78	133070	2.0	8.2712	0.7	5.1869	2.0	0.3112	1.9	0.94	1746.4	28.7	1850.5	17.0	1969.6	12.1	1969.6	12.1
Sample NI12-09, Shumagin Fm (55.128930°,-159.934890°)																		
NI12-09-30	344	7664	1.4	19.7997	13.0	0.0760	13.8	0.0109	4.6	0.33	69.9	3.2	74.3	9.9	218.3	302.2	69.9	3.2
NI12-09-59	289	12916	1.7	23.0328	12.9	0.0668	13.1	0.0112	2.3	0.18	71.5	1.7	65.7	8.3	-143.6	319.9	71.5	1.7
NI12-09-79	89	3715	2.2	24.2467	36.0	0.0645	36.4	0.0113	5.4	0.15	72.7	3.9	63.5	22.4	-272.5	940.6	72.7	3.9
NI12-09-5	128	6030	1.1	19.9261	20.2	0.0792	22.0	0.0114	8.8	0.40	73.3	6.4	77.4	16.4	203.6	471.8	73.3	6.4
NI12-09-26	110	4001	1.6	22.3910	25.7	0.0705	26.0	0.0114	3.8	0.15	73.4	2.8	69.2	17.4	-74.1	638.1	73.4	2.8
NI12-09-63	446	23631	2.6	20.9625	2.3	0.0754	6.9	0.0115	6.5	0.95	73.5	4.8	73.8	4.9	84.6	53.7	73.5	4.8
NI12-09-22	52	3743	1.3	13.2056	144.9	0.1200	145.1	0.0115	7.5	0.05	73.7	5.5	115.1	159.2	1087.8	533.4	73.7	5.5
NI12-09-54	100	3083	1.5	19.4978	30.6	0.0826	30.8	0.0117	3.2	0.10	74.8	2.3	80.6	23.9	253.8	719.9	74.8	2.3
NI12-09-18	689	39687	1.7	20.7310	3.2	0.0779	3.3	0.0117	1.0	0.29	75.1	0.7	76.2	2.4	110.9	75.3	75.1	0.7
NI12-09-65	234	15592	1.6	21.3866	10.2	0.0763	10.3	0.0118	1.6	0.16	75.9	1.2	74.7	7.4	36.9	244.0	75.9	1.2
NI12-09-16	206	6183	3.8	24.2649	13.6	0.0674	14.3	0.0119	4.4	0.31	76.0	3.3	66.2	9.1	-274.5	346.5	76.0	3.3
NI12-09-85	254	10596	2.8	21.4687	4.8	0.0768	5.2	0.0120	2.1	0.40	76.6	1.6	75.1	3.8	27.7	114.4	76.6	1.6
NI12-09-4	58	3429	2.1	17.2823	32.4	0.0957	32.9	0.0120	6.1	0.18	76.8	4.6	92.8	29.2	524.6	727.4	76.8	4.6
NI12-09-105	112	4893	3.6	27.4860	32.2	0.0643	32.5	0.0128	4.0	0.12	82.2	3.3	63.3	20.0	-602.1	896.0	82.2	3.3
NI12-09-43	185	7554	1.1	22.0486	19.4	0.0802	19.8	0.0128	3.9	0.20	82.2	3.2	78.4	14.9	-36.6	474.3	82.2	3.2
NI12-09-13	65	5590	2.2	22.6281	22.2	0.0785	23.1	0.0129	6.6	0.29	82.6	5.4	76.8	17.1	-99.9	550.0	82.6	5.4
NI12-09-9	116	9543	1.4	23.8982	17.2	0.0764	18.1	0.0132	5.5	0.31	84.8	4.7	74.8	13.0	-235.9	437.4	84.8	4.7
NI12-09-64	69	3815	1.8	21.8450	37.5	0.0846	37.6	0.0134	3.3	0.09	85.8	2.8	82.4	29.8	-14.1	934.8	85.8	2.8
NI12-09-3	196	11457	0.9	22.2229	17.6	0.0834	18.8	0.0134	6.6	0.35	86.0	5.7	81.3	14.7	-55.7	432.4	86.0	5.7
NI12-09-78	81	5773	2.1	29.1296	44.8	0.0662	45.0	0.0140	4.5	0.10	89.5	4.0	65.1	28.4	-762.8	1314.6	89.5	4.0
NI12-09-25	258	26516	1.5	21.5343	12.2	0.0904	12.5	0.0141	2.7	0.22	90.4	2.4	87.9	10.5	20.4	293.3	90.4	2.4
NI12-09-46	222	13040	1.9	20.2416	11.4	0.0980	11.6	0.0144	2.0	0.17	92.1	1.8	94.9	10.5	167.0	267.8	92.1	1.8

NI12-09-36	235	23221	1.8	19.8902	5.9	0.1010	6.8	0.0146	3.5	0.51	93.3	3.2	97.7	6.4	207.8	136.2	93.3	3.2
NI12-09-40	272	11350	2.0	21.1753	12.5	0.0951	12.9	0.0146	3.0	0.23	93.4	2.8	92.2	11.3	60.6	299.3	93.4	2.8
NI12-09-81	424	29318	2.1	20.5761	4.8	0.0980	4.9	0.0146	1.2	0.25	93.6	1.1	94.9	4.5	128.6	112.6	93.6	1.1
NI12-09-50	600	29327	1.6	21.1781	1.7	0.1001	2.1	0.0154	1.3	0.60	98.4	1.2	96.9	2.0	60.3	40.7	98.4	1.2
NI12-09-97	350	26366	1.7	20.8180	9.6	0.1027	9.7	0.0155	1.2	0.13	99.2	1.2	99.3	9.1	101.0	227.0	99.2	1.2
NI12-09-87	129	4140	1.2	23.4689	24.9	0.0916	25.1	0.0156	3.2	0.13	99.8	3.2	89.0	21.4	-190.3	631.6	99.8	3.2
NI12-09-45	72	5463	1.3	24.4399	39.6	0.0913	40.6	0.0162	9.1	0.22	103.5	9.3	88.7	34.5	-292.8	1044.9	103.5	9.3
NI12-09-100	288	13991	2.2	19.8482	4.7	0.1215	5.1	0.0175	2.1	0.41	111.8	2.3	116.4	5.7	212.6	108.7	111.8	2.3
NI12-09-47	409	28298	1.5	20.1501	5.2	0.1206	5.3	0.0176	0.8	0.15	112.7	0.9	115.6	5.8	177.6	122.1	112.7	0.9
NI12-09-51	161	20234	2.1	20.4934	9.7	0.1392	9.9	0.0207	2.0	0.20	132.0	2.6	132.3	12.3	138.1	227.9	132.0	2.6
NI12-09-48	262	34001	4.0	19.7962	4.0	0.1472	4.1	0.0211	0.9	0.23	134.8	1.3	139.4	5.3	218.8	91.6	134.8	1.3
NI12-09-24	49	10531	1.1	20.0345	25.9	0.1590	26.5	0.0231	5.6	0.21	147.3	8.2	149.8	36.9	191.0	611.5	147.3	8.2
NI12-09-44	161	10800	2.2	19.6703	10.7	0.1625	10.9	0.0232	2.0	0.18	147.8	2.9	152.9	15.4	233.5	246.8	147.8	2.9
NI12-09-98	125	12826	1.2	21.5134	14.3	0.1520	14.7	0.0237	3.5	0.24	151.1	5.2	143.7	19.7	22.7	344.5	151.1	5.2
NI12-09-76	36	6301	1.4	24.3891	35.3	0.1342	36.1	0.0237	7.7	0.21	151.2	11.6	127.8	43.4	-287.5	923.8	151.2	11.6
NI12-09-82	100	18299	1.6	21.8007	22.5	0.1525	22.8	0.0241	3.5	0.15	153.6	5.3	144.1	30.6	-9.2	550.0	153.6	5.3
NI12-09-101	51	6750	2.4	21.0965	45.6	0.1584	46.1	0.0242	7.2	0.16	154.3	11.0	149.3	64.1	69.5	1138.4	154.3	11.0
NI12-09-37	365	52354	2.3	20.2403	4.1	0.1655	4.5	0.0243	1.9	0.42	154.7	2.9	155.5	6.5	167.1	95.1	154.7	2.9
NI12-09-56	114	15715	2.9	20.2948	12.0	0.1652	12.3	0.0243	2.5	0.21	154.9	3.9	155.2	17.6	160.9	281.4	154.9	3.9
NI12-09-1	63	5931	1.4	18.4853	23.0	0.1817	23.5	0.0244	4.8	0.20	155.1	7.3	169.5	36.7	375.1	523.2	155.1	7.3
NI12-09-93	146	13046	1.3	21.2198	10.7	0.1583	10.8	0.0244	1.5	0.14	155.2	2.3	149.2	15.0	55.6	256.0	155.2	2.3
NI12-09-70	44	7802	2.9	16.7928	25.6	0.2001	25.8	0.0244	3.8	0.15	155.2	5.9	185.2	43.8	587.3	563.0	155.2	5.9
NI12-09-19	80	6999	2.2	21.9051	24.9	0.1537	25.1	0.0244	3.1	0.12	155.5	4.8	145.1	33.9	-20.7	610.3	155.5	4.8
NI12-09-83	86	14541	4.4	19.2182	13.1	0.1757	13.6	0.0245	3.8	0.28	156.0	5.9	164.4	20.6	286.9	299.6	156.0	5.9
NI12-09-86	26	2809	2.1	15.9154	37.1	0.2122	37.9	0.0245	8.0	0.21	156.0	12.3	195.4	67.5	702.6	816.1	156.0	12.3
NI12-09-21	36	3554	1.8	34.5030	38.3	0.0988	38.9	0.0247	6.6	0.17	157.4	10.2	95.6	35.5	-1266.1	1242.9	157.4	10.2
NI12-09-71	101	15148	19.7	21.0680	18.5	0.1618	18.7	0.0247	2.3	0.12	157.5	3.6	152.3	26.4	72.7	444.2	157.5	3.6
NI12-09-104	80	14362	1.9	18.8476	14.9	0.1813	15.2	0.0248	2.7	0.18	157.8	4.2	169.2	23.6	331.2	340.2	157.8	4.2
NI12-09-41	50	8084	2.3	21.7285	22.7	0.1576	23.1	0.0248	4.3	0.18	158.1	6.7	148.6	32.0	-1.2	553.7	158.1	6.7
NI12-09-31	244	15733	1.3	19.7635	6.4	0.1734	6.7	0.0249	2.0	0.30	158.2	3.1	162.3	10.0	222.6	147.0	158.2	3.1
NI12-09-7	184	19760	2.6	20.1452	6.0	0.1702	6.3	0.0249	1.9	0.31	158.3	3.0	159.6	9.3	178.1	138.9	158.3	3.0
NI12-09-103	44	2654	1.7	25.2579	37.1	0.1358	37.6	0.0249	6.5	0.17	158.4	10.2	129.3	45.7	-377.5	991.2	158.4	10.2
NI12-09-67	59	4984	3.5	20.4563	23.1	0.1677	23.7	0.0249	5.2	0.22	158.4	8.2	157.4	34.5	142.3	548.0	158.4	8.2
NI12-09-92	122	8584	1.4	21.9691	11.0	0.1564	11.3	0.0249	2.5	0.22	158.6	3.9	147.5	15.5	-27.8	268.4	158.6	3.9
NI12-09-69	42	2121	3.5	19.7177	28.5	0.1744	28.8	0.0249	3.8	0.13	158.8	6.0	163.2	43.4	227.9	671.2	158.8	6.0
NI12-09-14	218	24028	1.7	21.2646	6.1	0.1628	6.3	0.0251	1.7	0.27	159.9	2.7	153.2	9.0	50.6	146.1	159.9	2.7
NI12-09-99	235	44710	5.8	20.3079	5.5	0.1707	5.6	0.0251	1.1	0.20	160.1	1.8	160.0	8.4	159.4	129.7	160.1	1.8
NI12-09-2	119	16754	6.0	20.6458	13.6	0.1684	13.9	0.0252	2.9	0.21	160.5	4.6	158.0	20.3	120.6	321.4	160.5	4.6
NI12-09-42	42	6003	3.2	20.1235	19.6	0.1760	20.5	0.0257	6.2	0.30	163.5	9.9	164.6	31.2	180.6	459.9	163.5	9.9
NI12-09-28	297	27707	1.0	20.3179	3.2	0.1752	3.6	0.0258	1.6	0.45	164.3	2.6	163.9	5.5	158.2	75.6	164.3	2.6
NI12-09-8	429	47995	4.3	20.0766	2.4	0.1778	2.8	0.0259	1.5	0.51	164.8	2.4	166.2	4.4	186.1	56.8	164.8	2.4
NI12-09-88	31	2288	2.4	26.8814	29.0	0.1335	30.4	0.0260	9.2	0.30	165.6	15.1	127.2	36.4	-542.0	792.7	165.6	15.1
NI12-09-20	18	782	4.3	16.6905	47.5	0.2151	49.0	0.0260	12.1	0.25	165.7	19.8	197.8	88.3	600.5	1088.7	165.7	19.8
NI12-09-27	95	9437	3.1	19.5605	14.4	0.1836	14.8	0.0260	3.6	0.24	165.7	5.9	171.1	23.4	246.4	332.9	165.7	5.9
NI12-09-75	133	14412	1.7	22.1246	15.4	0.1623	15.6	0.0260	2.3	0.15	165.8	3.7	152.7	22.1	-44.9	377.5	165.8	3.7
NI12-09-15	232	31937	2.1	20.0568	3.5	0.1793	3.7	0.0261	1.2	0.31	166.0	1.9	167.5	5.7	188.4	81.1	166.0	1.9
NI12-09-57	37	7027	2.3	20.4814	33.8	0.1759	34.2	0.0261	5.2	0.15	166.3	8.5	164.5	52.0	139.4	815.2	166.3	8.5
NI12-09-12	39	5823	3.1	22.7467	38.0	0.1588	38.3	0.0262	4.8	0.13	166.7	7.9	149.6	53.3	-112.8	965.5	166.7	7.9
NI12-09-72	757	74444	14.9	20.1274	2.3	0.1796	2.9	0.0262	1.8	0.62	166.8	3.0	167.7	4.5	180.2	54.0	166.8	3.0
NI12-09-96	21	3261	1.7	15.7387	46.9	0.2306	47.9	0.0263	9.5	0.20	167.5	15.7	210.7	91.3	726.3	1052.8	167.5	15.7

NI12-09-39	45	6725	2.6	19.9473	25.6	0.1862	28.1	0.0269	11.7	0.42	171.4	19.9	173.4	44.9	201.1	602.5	171.4	19.9
NI12-09-38	81	23724	2.3	18.9130	11.4	0.1968	11.8	0.0270	3.3	0.28	171.7	5.5	182.4	19.8	323.4	259.2	171.7	5.5
NI12-09-55	84	10836	2.0	20.6199	13.8	0.1808	14.1	0.0270	2.7	0.19	172.0	4.6	168.7	21.9	123.6	327.1	172.0	4.6
NI12-09-34	159	7572	1.3	18.8338	6.2	0.1997	6.6	0.0273	2.4	0.36	173.5	4.1	184.9	11.2	332.9	140.4	173.5	4.1
NI12-09-29	50	5739	2.2	19.4721	16.9	0.1936	17.4	0.0273	4.2	0.24	173.9	7.3	179.7	28.7	256.8	391.1	173.9	7.3
NI12-09-32	91	14516	1.7	20.6091	15.1	0.1830	15.4	0.0274	2.7	0.18	173.9	4.7	170.6	24.2	124.8	358.4	173.9	4.7
NI12-09-73	235	19087	2.4	20.8096	4.5	0.1812	4.7	0.0274	1.6	0.33	174.0	2.7	169.1	7.4	102.0	105.8	174.0	2.7
NI12-09-94	62	6375	1.5	18.4296	16.7	0.2053	16.9	0.0274	1.9	0.11	174.5	3.3	189.6	29.2	381.9	378.8	174.5	3.3
NI12-09-6	52	7783	2.0	24.8400	35.9	0.1530	36.2	0.0276	4.6	0.13	175.3	8.0	144.6	48.8	-334.4	949.5	175.3	8.0
NI12-09-80	66	8969	1.5	22.3524	35.9	0.1717	36.0	0.0278	2.9	0.08	177.0	5.1	160.9	53.6	-69.9	902.1	177.0	5.1
NI12-09-11	70	6587	4.4	21.7745	20.8	0.1771	21.0	0.0280	3.0	0.14	177.8	5.3	165.6	32.1	-6.3	505.5	177.8	5.3
NI12-09-77	80	3043	3.8	19.1714	22.4	0.2014	22.9	0.0280	4.8	0.21	178.0	8.4	186.3	39.1	292.5	518.3	178.0	8.4
NI12-09-61	421	60627	1.8	20.1964	2.7	0.1971	3.3	0.0289	1.8	0.54	183.5	3.2	182.7	5.4	172.2	63.7	183.5	3.2
NI12-09-84	115	39018	1.4	19.9431	15.1	0.1997	15.2	0.0289	1.9	0.12	183.6	3.4	184.9	25.7	201.6	351.5	183.6	3.4
NI12-09-10	66	9845	1.8	20.5074	15.8	0.1945	16.2	0.0289	3.3	0.21	183.8	6.1	180.5	26.8	136.4	374.4	183.8	6.1
NI12-09-89	114	22926	2.3	19.8710	15.7	0.2017	15.8	0.0291	1.6	0.10	184.7	2.8	186.5	27.0	210.0	366.9	184.7	2.8
NI12-09-68	1018	244247	1.7	20.1505	1.3	0.1992	1.6	0.0291	0.9	0.60	185.0	1.7	184.5	2.7	177.5	29.4	185.0	1.7
NI12-09-17	106	16123	1.4	20.1871	9.3	0.2035	9.8	0.0298	2.9	0.30	189.2	5.4	188.0	16.8	173.3	218.0	189.2	5.4
NI12-09-90	210	34340	4.6	19.4364	3.5	0.2159	4.9	0.0304	3.4	0.70	193.3	6.6	198.5	8.9	261.1	80.6	193.3	6.6
NI12-09-74	196	18467	1.3	21.1047	5.2	0.1991	5.7	0.0305	2.2	0.38	193.5	4.1	184.4	9.6	68.6	125.0	193.5	4.1
NI12-09-23	125	24954	2.0	19.9658	5.6	0.2128	7.4	0.0308	4.9	0.66	195.6	9.4	195.9	13.2	199.0	129.8	195.6	9.4
NI12-09-35	118	55999	1.8	20.8893	9.5	0.2047	9.9	0.0310	2.8	0.28	196.9	5.3	189.1	17.1	92.9	226.3	196.9	5.3
NI12-09-102	401	66844	2.3	19.9178	1.5	0.2163	1.7	0.0312	0.9	0.53	198.3	1.8	198.8	3.1	204.6	33.7	198.3	1.8
NI12-09-66	133	17248	1.8	19.8235	9.3	0.2203	9.4	0.0317	1.7	0.18	201.0	3.4	202.2	17.3	215.6	215.4	201.0	3.4
NI12-09-62	120	10735	2.4	19.4219	7.1	0.2312	7.4	0.0326	2.2	0.30	206.6	4.5	211.2	14.1	262.7	162.6	206.6	4.5
NI12-09-49	213	27070	1.1	19.8029	3.0	0.2299	3.1	0.0330	1.0	0.31	209.4	2.0	210.1	5.9	218.0	68.7	209.4	2.0
NI12-09-52	86	29458	1.5	19.8248	4.9	0.3781	5.0	0.0544	0.8	0.17	341.2	2.8	325.6	13.9	215.4	114.1	341.2	2.8
NI12-09-53	77	110055	2.1	9.1367	0.9	4.8340	1.1	0.3203	0.8	0.67	1791.3	12.0	1790.8	9.7	1790.2	15.5	1790.2	15.5
Sample NI12-11, Shumagin Fm (55.201560°,-160.042690°)																		
NI12-11-11	80	10684	1.3	31.2205	46.7	0.0467	49.2	0.0106	15.3	0.31	67.8	10.3	46.3	22.3	-962.1	1438.9	67.8	10.3
NI12-11-32	70	2462	2.3	18.2080	32.0	0.0825	32.7	0.0109	6.8	0.21	69.9	4.7	80.5	25.3	409.0	731.9	69.9	4.7
NI12-11-50	107	5251	1.5	25.8553	35.6	0.0597	36.0	0.0112	5.6	0.16	71.8	4.0	58.9	20.6	-438.6	961.2	71.8	4.0
NI12-11-1	73	2328	1.7	21.6785	28.4	0.0715	28.8	0.0112	4.7	0.16	72.0	3.3	70.1	19.5	4.3	695.9	72.0	3.3
NI12-11-44	184	3366	1.6	20.7024	14.2	0.0750	14.4	0.0113	2.5	0.17	72.2	1.8	73.4	10.2	114.2	335.3	72.2	1.8
NI12-11-81	65	5828	2.5	17.5930	20.7	0.0885	22.3	0.0113	8.4	0.38	72.4	6.1	86.2	18.5	485.4	461.1	72.4	6.1
NI12-11-37	52	2619	2.7	22.7118	48.8	0.0689	49.2	0.0114	6.6	0.13	72.8	4.8	67.7	32.2	-109.0	1269.8	72.8	4.8
NI12-11-29	93	19138	2.1	20.3807	24.1	0.0775	24.7	0.0115	5.2	0.21	73.4	3.8	75.8	18.0	151.0	572.4	73.4	3.8
NI12-11-97	287	9766	0.9	21.3449	8.8	0.0742	9.4	0.0115	3.4	0.36	73.6	2.5	72.6	6.6	41.6	210.2	73.6	2.5
NI12-11-2	317	12668	1.6	20.7404	6.1	0.0771	6.2	0.0116	1.1	0.18	74.3	0.8	75.4	4.5	109.9	143.9	74.3	0.8
NI12-11-70	54	3492	1.5	20.9004	44.2	0.0767	44.6	0.0116	6.3	0.14	74.5	4.7	75.0	32.3	91.7	1094.9	74.5	4.7
NI12-11-39	212	14015	2.1	22.4331	14.9	0.0719	15.4	0.0117	4.0	0.26	74.9	3.0	70.5	10.5	-78.7	365.4	74.9	3.0
NI12-11-30	91	7551	3.0	19.9247	25.7	0.0822	26.0	0.0119	3.5	0.14	76.1	2.7	80.2	20.0	203.7	605.7	76.1	2.7
NI12-11-67	60	3891	1.4	16.7410	19.3	0.1005	20.6	0.0122	7.0	0.34	78.2	5.4	97.2	19.1	594.0	422.5	78.2	5.4
NI12-11-31	112	7162	4.6	21.9193	22.1	0.0785	22.3	0.0125	2.4	0.11	79.9	1.9	76.7	16.4	-22.3	541.2	79.9	1.9
NI12-11-35	82	5370	2.9	21.3125	27.0	0.0834	27.2	0.0129	3.6	0.13	82.6	3.0	81.3	21.3	45.2	655.1	82.6	3.0
NI12-11-59	115	4397	1.3	20.0389	21.9	0.0919	22.3	0.0134	4.1	0.18	85.5	3.5	89.2	19.0	190.5	514.5	85.5	3.5
NI12-11-23	38	1529	2.4	12.4333	84.5	0.1494	85.2	0.0135	10.6	0.13	86.2	9.1	141.3	112.8	1207.6	2214.8	86.2	9.1
NI12-11-45	102	9206	2.2	21.0765	19.7	0.0885	19.9	0.0135	3.1	0.16	86.7	2.7	86.2	16.5	71.8	471.8	86.7	2.7
NI12-11-46	66	9987	2.2	22.8736	23.0	0.0826	24.5	0.0137	8.6	0.35	87.7	7.5	80.6	19.0	-126.5	573.4	87.7	7.5

NI12-11-98	342	46261	2.1	20.6375	6.0	0.0919	6.2	0.0138	1.5	0.24	88.1	1.3	89.3	5.3	121.6	140.8	88.1	1.3
NI12-11-87	86	7779	1.6	24.7594	16.1	0.0786	18.2	0.0141	8.4	0.46	90.4	7.6	76.9	13.5	-326.0	416.6	90.4	7.6
NI12-11-4	68	4091	2.1	20.2166	27.8	0.0965	28.3	0.0142	5.5	0.19	90.6	4.9	93.6	25.3	169.9	659.2	90.6	4.9
NI12-11-12	179	15680	1.9	20.1274	11.2	0.0979	11.6	0.0143	2.7	0.23	91.4	2.4	94.8	10.5	180.2	262.5	91.4	2.4
NI12-11-24	178	17590	2.3	21.8605	15.4	0.0921	16.1	0.0146	4.7	0.29	93.5	4.4	89.5	13.8	-15.8	373.9	93.5	4.4
NI12-11-95	32	2169	2.1	41.0848	57.7	0.0496	58.9	0.0148	12.0	0.20	94.6	11.3	49.2	28.3	NA	NA	94.6	11.3
NI12-11-38	189	26260	1.9	19.8811	10.4	0.1037	10.6	0.0150	2.1	0.20	95.7	2.0	100.2	10.1	208.8	241.3	95.7	2.0
NI12-11-56	202	13515	2.1	21.3539	16.3	0.0975	16.4	0.0151	1.8	0.11	96.7	1.7	94.5	14.8	40.6	392.9	96.7	1.7
NI12-11-18	56	4572	2.2	25.0603	47.5	0.0976	47.7	0.0177	4.4	0.09	113.4	5.0	94.6	43.1	-357.2	1290.6	113.4	5.0
NI12-11-34	2620	211350	0.4	20.7215	0.9	0.1190	3.1	0.0179	2.9	0.96	114.2	3.3	114.1	3.3	112.0	20.9	114.2	3.3
NI12-11-93	728	86405	1.0	20.8813	2.8	0.1200	3.0	0.0182	1.1	0.36	116.1	1.2	115.1	3.2	93.8	65.7	116.1	1.2
NI12-11-79	20	1883	2.5	22.5562	144.8	0.1320	145.0	0.0216	7.6	0.05	137.7	10.4	125.9	173.4	-92.1	1548.6	137.7	10.4
NI12-11-22	40	3440	2.0	26.0766	72.3	0.1219	72.7	0.0231	7.2	0.10	146.9	10.5	116.8	80.4	-461.0	2201.4	146.9	10.5
NI12-11-27	47	3465	1.1	23.4613	33.9	0.1363	34.2	0.0232	4.5	0.13	147.8	6.6	129.7	41.7	-189.5	870.1	147.8	6.6
NI12-11-13	46	4117	1.8	33.1847	29.1	0.0969	29.3	0.0233	3.8	0.13	148.6	5.6	93.9	26.3	-1145.2	905.9	148.6	5.6
NI12-11-90	2655	176914	0.6	20.8075	0.7	0.1546	1.9	0.0233	1.7	0.93	148.6	2.5	145.9	2.5	102.2	15.7	148.6	2.5
NI12-11-85	74	12912	2.6	20.1550	15.6	0.1597	16.5	0.0233	5.1	0.31	148.8	7.5	150.5	23.0	177.0	366.8	148.8	7.5
NI12-11-10	91	7134	1.5	20.7274	23.2	0.1561	23.3	0.0235	2.8	0.12	149.5	4.1	147.2	32.0	111.3	553.4	149.5	4.1
NI12-11-89	22	3863	2.2	5.6312	281.4	0.5783	281.5	0.0236	8.5	0.03	150.5	12.7	463.4	#NUM!	2630.4	13.4	150.5	12.7
NI12-11-94	55	7333	2.2	20.7121	32.7	0.1579	33.1	0.0237	5.0	0.15	151.1	7.5	148.8	45.9	113.1	790.8	151.1	7.5
NI12-11-55	27	2410	1.0	18.2213	51.3	0.1804	52.1	0.0238	9.1	0.18	151.8	13.7	168.4	81.0	407.3	1225.7	151.8	13.7
NI12-11-33	52	4921	2.1	24.0690	28.9	0.1371	29.2	0.0239	3.8	0.13	152.5	5.7	130.5	35.7	-253.9	745.3	152.5	5.7
NI12-11-43	28	2592	2.5	22.0176	37.8	0.1511	38.7	0.0241	8.1	0.21	153.7	12.4	142.9	51.6	-33.1	947.9	153.7	12.4
NI12-11-36	282	19048	1.5	20.1689	5.8	0.1650	6.2	0.0241	2.2	0.36	153.8	3.4	155.1	8.9	175.4	135.7	153.8	3.4
NI12-11-62	59	7478	3.0	21.0325	26.8	0.1596	26.9	0.0243	2.3	0.08	155.0	3.5	150.3	37.6	76.7	646.8	155.0	3.5
NI12-11-63	50	14802	2.1	20.9778	28.1	0.1600	28.6	0.0243	5.3	0.19	155.1	8.2	150.7	40.1	82.9	678.9	155.1	8.2
NI12-11-83	65	6629	1.9	19.1285	13.2	0.1756	13.6	0.0244	3.1	0.23	155.1	4.7	164.2	20.6	297.6	303.1	155.1	4.7
NI12-11-91	125	15671	2.4	21.5892	5.4	0.1559	6.8	0.0244	4.0	0.60	155.4	6.2	147.1	9.3	14.3	130.6	155.4	6.2
NI12-11-6	139	15355	2.7	21.8628	11.6	0.1544	12.1	0.0245	3.4	0.29	155.9	5.3	145.8	16.4	-16.1	280.1	155.9	5.3
NI12-11-100	130	19893	2.6	19.7327	9.7	0.1717	9.9	0.0246	2.2	0.23	156.5	3.5	160.9	14.7	226.2	223.5	156.5	3.5
NI12-11-57	61	3293	2.0	19.7088	16.5	0.1729	17.1	0.0247	4.7	0.28	157.4	7.3	161.9	25.6	229.0	382.5	157.4	7.3
NI12-11-51	42	4741	2.5	22.8461	33.0	0.1496	33.3	0.0248	4.8	0.14	157.8	7.5	141.5	44.0	-123.5	832.8	157.8	7.5
NI12-11-84	75	6920	2.7	23.6943	19.2	0.1444	19.4	0.0248	2.8	0.14	158.0	4.3	137.0	24.8	-214.3	485.6	158.0	4.3
NI12-11-65	69	11914	2.4	20.7101	15.5	0.1661	16.0	0.0250	4.1	0.26	158.9	6.5	156.1	23.2	113.3	367.3	158.9	6.5
NI12-11-21	77	11165	1.6	21.4905	10.2	0.1604	10.6	0.0250	2.8	0.26	159.1	4.3	151.0	14.8	25.3	245.6	159.1	4.3
NI12-11-82	70	5687	2.3	19.4922	20.4	0.1789	20.7	0.0253	3.6	0.18	161.0	5.8	167.1	31.9	254.4	473.1	161.0	5.8
NI12-11-3	137	15313	3.3	19.9990	8.0	0.1777	8.1	0.0258	1.2	0.15	164.1	2.0	166.1	12.4	195.1	186.6	164.1	2.0
NI12-11-92	121	11469	4.7	20.1293	15.8	0.1767	16.0	0.0258	2.7	0.17	164.2	4.3	165.3	24.5	180.0	370.5	164.2	4.3
NI12-11-99	462	48556	12.3	20.2330	3.2	0.1761	3.7	0.0258	2.0	0.52	164.4	3.2	164.7	5.7	168.0	74.4	164.4	3.2
NI12-11-7	34	2229	2.4	30.6734	49.5	0.1178	49.6	0.0262	2.5	0.05	166.8	4.1	113.1	53.1	-910.4	1516.5	166.8	4.1
NI12-11-41	77	6825	2.3	20.5486	9.9	0.1760	10.7	0.0262	4.2	0.39	166.9	6.9	164.6	16.3	131.7	232.9	166.9	6.9
NI12-11-16	150	16513	4.2	21.2668	7.0	0.1702	7.3	0.0263	2.2	0.30	167.1	3.6	159.6	10.8	50.3	166.8	167.1	3.6
NI12-11-42	97	15477	3.8	21.4684	11.9	0.1690	12.1	0.0263	1.7	0.14	167.4	2.9	158.6	17.7	27.8	287.4	167.4	2.9
NI12-11-20	100	10970	2.7	22.8784	15.4	0.1593	15.5	0.0264	1.7	0.11	168.2	2.8	150.1	21.6	-127.0	381.5	168.2	2.8
NI12-11-72	24	2093	2.1	29.4493	51.3	0.1245	51.7	0.0266	6.0	0.12	169.2	10.1	119.1	58.1	-793.6	1539.8	169.2	10.1
NI12-11-86	69	7624	2.1	20.3350	16.5	0.1812	17.2	0.0267	4.7	0.28	170.0	7.9	169.1	26.7	156.2	388.5	170.0	7.9
NI12-11-40	59	3981	2.8	19.6205	19.4	0.1884	19.8	0.0268	4.1	0.20	170.5	6.8	175.3	31.9	239.4	451.3	170.5	6.8
NI12-11-52	109	12048	3.4	21.6877	12.0	0.1719	12.1	0.0270	1.6	0.13	172.0	2.7	161.1	18.0	3.3	289.3	172.0	2.7
NI12-11-64	140	19412	2.0	20.0336	7.0	0.1869	7.4	0.0272	2.3	0.32	172.7	4.0	174.0	11.8	191.1	163.6	172.7	4.0
NI12-11-54	94	9170	2.4	20.5348	8.6	0.1824	9.0	0.0272	2.7	0.30	172.8	4.5	170.1	14.1	133.3	202.3	172.8	4.5

NI12-11-58	47	3516	2.0	19.9250	13.8	0.1880	14.3	0.0272	4.0	0.28	172.8	6.8	175.0	23.1	203.7	320.9	172.8	6.8
NI12-11-8	46	5203	3.7	20.1624	20.0	0.1867	21.0	0.0273	6.5	0.31	173.6	11.1	173.8	33.5	176.1	469.7	173.6	11.1
NI12-11-25	231	47843	2.9	20.4399	3.1	0.1843	3.4	0.0273	1.4	0.40	173.7	2.3	171.7	5.4	144.2	73.1	173.7	2.3
NI12-11-80	199	52949	1.8	20.1304	5.4	0.1899	5.6	0.0277	1.6	0.29	176.3	2.9	176.5	9.1	179.8	125.5	176.3	2.9
NI12-11-66	84	2485	1.8	18.5710	15.7	0.2065	16.6	0.0278	5.6	0.34	176.9	9.7	190.6	28.9	364.7	355.5	176.9	9.7
NI12-11-49	488	57921	7.5	19.7549	1.7	0.1942	2.0	0.0278	1.0	0.51	176.9	1.8	180.2	3.3	223.6	40.0	176.9	1.8
NI12-11-61	50	6145	1.9	20.2893	24.1	0.1893	24.4	0.0279	3.8	0.15	177.1	6.6	176.0	39.4	161.5	570.2	177.1	6.6
NI12-11-76	87	15139	2.1	20.2825	8.8	0.1902	9.8	0.0280	4.4	0.45	177.9	7.7	176.8	16.0	162.3	206.3	177.9	7.7
NI12-11-78	162	39898	1.8	19.8978	6.1	0.1941	6.5	0.0280	2.2	0.34	178.1	3.8	180.1	10.7	206.9	142.3	178.1	3.8
NI12-11-19	85	9575	10.6	19.5509	13.9	0.1978	14.2	0.0280	2.7	0.19	178.3	4.8	183.3	23.8	247.5	321.6	178.3	4.8
NI12-11-47	103	14052	1.4	21.1987	7.2	0.1844	7.4	0.0283	1.5	0.21	180.2	2.7	171.8	11.6	58.0	171.7	180.2	2.7
NI12-11-17	27	3204	3.0	32.2275	43.1	0.1213	44.8	0.0284	12.4	0.28	180.3	22.0	116.3	49.3	-1056.4	1343.2	180.3	22.0
NI12-11-74	193	40620	2.3	19.3800	4.5	0.2018	5.1	0.0284	2.4	0.46	180.3	4.2	186.6	8.7	267.7	104.3	180.3	4.2
NI12-11-96	144	16627	1.5	21.3107	7.6	0.1839	7.7	0.0284	1.2	0.16	180.6	2.2	171.4	12.1	45.4	181.2	180.6	2.2
NI12-11-88	97	14904	2.3	20.1998	14.1	0.1953	14.6	0.0286	4.0	0.28	181.9	7.2	181.2	24.3	171.8	329.7	181.9	7.2
NI12-11-75	74	8262	2.4	24.0965	15.1	0.1642	15.2	0.0287	1.8	0.12	182.3	3.3	154.3	21.8	-256.8	384.6	182.3	3.3
NI12-11-53	83	11638	1.6	20.7558	13.5	0.1906	13.7	0.0287	2.3	0.17	182.4	4.2	177.1	22.3	108.1	320.7	182.4	4.2
NI12-11-9	452	137297	2.1	19.9759	1.3	0.1982	2.0	0.0287	1.4	0.72	182.5	2.5	183.6	3.3	197.8	31.3	182.5	2.5
NI12-11-69	183	18023	2.8	20.3423	4.6	0.1995	4.8	0.0294	1.3	0.27	187.0	2.4	184.7	8.1	155.4	107.7	187.0	2.4
NI12-11-60	152	18660	3.6	20.3185	4.8	0.2005	5.2	0.0295	2.0	0.39	187.7	3.8	185.5	8.8	158.2	112.0	187.7	3.8
NI12-11-77	124	19143	2.4	19.7556	6.8	0.2074	7.7	0.0297	3.8	0.49	188.7	7.0	191.3	13.5	223.5	156.5	188.7	7.0
NI12-11-73	189	48372	2.4	20.3298	6.0	0.2037	6.2	0.0300	1.5	0.24	190.7	2.8	188.2	10.6	156.8	140.6	190.7	2.8
NI12-11-5	158	32544	2.7	20.4721	6.1	0.2081	6.2	0.0309	1.1	0.18	196.1	2.1	191.9	10.8	140.5	142.7	196.1	2.1
NI12-11-14	302	59573	3.5	19.7783	3.9	0.2200	4.2	0.0316	1.7	0.40	200.3	3.3	201.9	7.7	220.8	89.7	200.3	3.3
NI12-11-68	200	44626	3.0	19.7643	5.3	0.2253	5.4	0.0323	1.2	0.22	204.9	2.4	206.3	10.1	222.5	122.0	204.9	2.4
NI12-11-15	85	9671	1.2	19.9649	11.7	0.2353	11.9	0.0341	1.9	0.16	216.0	4.1	214.6	23.0	199.1	272.6	216.0	4.1
NI12-11-26	60	244860	0.6	8.5153	0.8	5.1795	2.1	0.3199	1.9	0.93	1789.1	29.9	1849.3	17.6	1917.5	13.9	1917.5	13.9
NI12-11-48	73	228893	2.2	5.2159	1.4	14.1162	1.7	0.5340	1.1	0.61	2758.3	23.8	2757.5	16.5	2757.0	22.6	2757.0	22.6
Sample NI12-12, Shumagin Fm (55.177100°, -159.952190°)																		
NI12-12A-191	120	3274	1.4	19.8059	27.5	0.0790	28.3	0.0114	6.6	0.23	72.8	4.8	77.2	21.1	217.6	648.1	72.8	4.8
NI12-12A-210	108	2191	1.8	20.5548	19.3	0.0764	20.4	0.0114	6.4	0.32	73.0	4.7	74.8	14.7	131.0	457.8	73.0	4.7
NI12-12A-90	100	2132	1.4	16.3847	43.7	0.0968	44.2	0.0115	6.6	0.15	73.7	4.8	93.8	39.6	640.4	985.6	73.7	4.8
NI12-12A-u21	216	1275	2.4	18.2297	27.5	0.0877	27.8	0.0116	4.1	0.15	74.4	3.1	85.4	22.8	406.3	625.5	74.4	3.1
NI12-12A-36	161	2919	2.3	21.1857	18.5	0.0759	20.4	0.0117	8.5	0.42	74.7	6.3	74.2	14.6	59.5	444.7	74.7	6.3
NI12-12B-63	221	2633	2.2	22.2914	16.8	0.0728	17.0	0.0118	2.2	0.13	75.4	1.7	71.4	11.7	-63.2	412.7	75.4	1.7
NI12-12A-U42	235	4379	2.5	20.0115	18.3	0.0816	20.8	0.0118	9.8	0.47	75.9	7.4	79.7	15.9	193.7	429.2	75.9	7.4
NI12-12A-U7	163	2092	2.6	24.8066	41.5	0.0662	41.8	0.0119	5.4	0.13	76.3	4.1	65.1	26.4	-330.9	1108.3	76.3	4.1
NI12-12B-65	246	4026	2.4	20.8547	22.2	0.0788	23.2	0.0119	6.8	0.29	76.4	5.1	77.1	17.2	96.8	530.7	76.4	5.1
NI12-12A-U6	177	1723	1.4	19.8539	18.8	0.0841	19.4	0.0121	4.6	0.24	77.6	3.5	82.0	15.3	212.0	439.7	77.6	3.5
NI12-12B-160	197	15047	1.6	20.2052	17.1	0.0831	17.7	0.0122	4.4	0.25	78.1	3.4	81.1	13.8	171.2	402.3	78.1	3.4
NI12-12B-87	200	3638	1.7	21.1798	21.3	0.0801	21.5	0.0123	3.1	0.15	78.8	2.5	78.2	16.2	60.1	512.2	78.8	2.5
NI12-12A-u23	109	974	2.4	17.3758	30.9	0.0977	31.4	0.0123	5.7	0.18	78.9	4.5	94.7	28.4	512.7	694.4	78.9	4.5
NI12-12A-63	121	728	1.7	21.9789	54.5	0.0790	55.4	0.0126	9.9	0.18	80.7	7.9	77.2	41.2	-28.9	1420.5	80.7	7.9
NI12-12A-U19	323	1381	2.2	16.9937	29.6	0.1048	30.2	0.0129	6.0	0.20	82.7	4.9	101.2	29.1	561.4	658.6	82.7	4.9
NI12-12A-48	182	663	3.5	15.9825	27.1	0.1157	27.6	0.0134	5.0	0.18	85.9	4.3	111.2	29.1	693.6	588.8	85.9	4.3
NI12-12A-189	108	9772	1.9	25.9195	48.7	0.0718	49.2	0.0135	6.9	0.14	86.4	5.9	70.4	33.5	-445.1	1351.3	86.4	5.9
NI12-12A-U16	321	2474	2.1	18.5218	12.8	0.1005	13.1	0.0135	2.9	0.22	86.5	2.4	97.3	12.2	370.6	289.9	86.5	2.4
NI12-12A-199	98	777	1.6	18.8528	21.9	0.0988	23.4	0.0135	8.4	0.36	86.5	7.2	95.7	21.4	330.6	501.5	86.5	7.2
NI12-12B-61	170	4235	1.3	18.2279	29.6	0.1044	29.8	0.0138	3.1	0.10	88.4	2.7	100.8	28.6	406.5	676.2	88.4	2.7

NI12-12A-U4	116	339	1.6	10.3347	34.4	0.1853	38.0	0.0139	16.2	0.43	88.9	14.3	172.6	60.4	1562.6	664.8	88.9	14.3
NI12-12A-59	103	669	2.9	19.1269	26.5	0.1021	27.8	0.0142	8.6	0.31	90.7	7.7	98.7	26.2	297.8	613.3	90.7	7.7
NI12-12B-32	131	165	2.0	12.4715	23.4	0.1572	24.8	0.0142	8.1	0.33	91.0	7.3	148.2	34.2	1201.5	467.6	91.0	7.3
NI12-12A-U35	230	4229	1.9	21.4439	15.9	0.0914	16.1	0.0142	2.8	0.17	91.0	2.5	88.8	13.7	30.5	382.0	91.0	2.5
NI12-12A-226	183	1830	1.6	22.8066	22.1	0.0877	22.4	0.0145	3.9	0.17	92.9	3.6	85.4	18.4	-119.3	549.8	92.9	3.6
NI12-12A-U32	156	3044	1.7	18.4870	15.4	0.1099	15.7	0.0147	3.3	0.21	94.3	3.1	105.8	15.8	374.9	348.3	94.3	3.1
NI12-12A-40	281	2001	1.1	19.0677	13.8	0.1082	14.1	0.0150	3.1	0.22	95.7	2.9	104.3	14.0	304.9	315.0	95.7	2.9
NI12-12A-U8	208	1850	2.2	16.1793	59.8	0.1300	62.9	0.0153	19.3	0.31	97.6	18.7	124.1	73.6	667.4	1414.3	97.6	18.7
NI12-12A-u28	449	1916	1.8	15.2861	29.2	0.1424	29.4	0.0158	3.2	0.11	101.0	3.2	135.2	37.2	787.8	625.8	101.0	3.2
NI12-12A-47	181	1881	4.2	20.5507	31.7	0.1062	31.8	0.0158	2.8	0.09	101.2	2.8	102.5	31.0	131.5	761.3	101.2	2.8
NI12-12B-178	94	5433	3.4	35.7563	74.0	0.0654	74.2	0.0170	6.1	0.08	108.4	6.6	64.3	46.3	NA	NA	108.4	6.6
NI12-12A-U1	152	1012	2.4	13.2750	36.2	0.1939	36.8	0.0187	6.7	0.18	119.2	7.9	179.9	60.7	1077.3	750.7	119.2	7.9
NI12-12A-21	143	1033	3.8	16.3373	31.1	0.1632	31.5	0.0193	5.0	0.16	123.5	6.1	153.5	44.9	646.6	684.2	123.5	6.1
NI12-12B-191	129	4059	2.1	19.9613	13.2	0.1494	13.4	0.0216	2.4	0.18	138.0	3.2	141.4	17.6	199.5	306.6	138.0	3.2
NI12-12B-88	172	4146	1.8	18.8631	13.0	0.1621	13.2	0.0222	2.3	0.18	141.4	3.2	152.6	18.7	329.4	296.1	141.4	3.2
NI12-12B-140	141	5504	1.2	20.6910	13.6	0.1569	14.1	0.0235	3.7	0.26	150.1	5.6	148.0	19.5	115.5	323.0	150.1	5.6
NI12-12B-187	138	6355	2.4	18.9279	15.6	0.1727	16.2	0.0237	4.3	0.27	151.0	6.4	161.7	24.2	321.6	355.9	151.0	6.4
NI12-12A-87	105	5130	1.3	21.1397	14.1	0.1552	14.9	0.0238	4.8	0.33	151.6	7.3	146.5	20.3	64.6	336.3	151.6	7.3
NI12-12A-67	67	1706	1.4	19.6563	39.8	0.1678	40.4	0.0239	7.1	0.17	152.4	10.6	157.5	59.0	235.2	951.8	152.4	10.6
NI12-12A-U39	134	1733	1.7	17.2362	30.1	0.1963	31.0	0.0245	7.5	0.24	156.3	11.5	182.0	51.7	530.4	673.9	156.3	11.5
NI12-12B-129	116	7501	2.4	19.9942	15.8	0.1716	16.9	0.0249	5.9	0.35	158.5	9.3	160.8	25.2	195.7	370.3	158.5	9.3
NI12-12A-u22	55	959	3.6	16.5741	39.1	0.2085	39.8	0.0251	7.7	0.19	159.6	12.1	192.3	69.9	615.6	876.1	159.6	12.1
NI12-12A-156	102	2690	1.8	21.0341	15.3	0.1646	16.0	0.0251	4.8	0.30	159.8	7.6	154.7	23.0	76.5	364.4	159.8	7.6
NI12-12B-50	39	1992	3.0	20.3870	32.9	0.1717	34.2	0.0254	9.5	0.28	161.6	15.2	160.9	51.0	150.3	789.0	161.6	15.2
NI12-12A-U9	281	3018	1.9	19.4455	11.5	0.1802	11.7	0.0254	2.3	0.19	161.8	3.6	168.2	18.1	259.9	263.8	161.8	3.6
NI12-12A-186	166	6283	3.6	19.3275	15.1	0.1819	16.0	0.0255	5.3	0.33	162.3	8.4	169.7	25.1	273.9	348.6	162.3	8.4
NI12-12A-U15	265	2830	1.5	19.1981	10.1	0.1840	10.4	0.0256	2.2	0.21	163.1	3.5	171.5	16.3	289.3	231.8	163.1	3.5
NI12-12A-U10	294	5646	4.1	19.2799	13.6	0.1836	13.8	0.0257	1.7	0.12	163.5	2.8	171.2	21.7	279.6	313.7	163.5	2.8
NI12-12A-171	157	5203	2.4	19.0109	16.9	0.1875	17.0	0.0258	1.7	0.10	164.5	2.8	174.5	27.3	311.6	387.3	164.5	2.8
NI12-12A-u27	93	3688	3.5	18.1689	11.5	0.1965	12.5	0.0259	5.0	0.40	164.8	8.1	182.2	20.9	413.8	258.4	164.8	8.1
NI12-12B-62	114	7055	3.0	20.8436	12.3	0.1725	12.8	0.0261	3.5	0.27	165.9	5.7	161.5	19.1	98.1	292.2	165.9	5.7
NI12-12B-111	96	5066	3.5	22.5153	28.2	0.1611	28.3	0.0263	2.7	0.10	167.4	4.5	151.7	39.9	-87.6	702.8	167.4	4.5
NI12-12A-U12	209	5444	2.7	18.8244	12.2	0.1943	12.4	0.0265	2.2	0.18	168.8	3.7	180.3	20.4	334.0	276.6	168.8	3.7
NI12-12A-99	165	4290	2.3	19.3718	12.8	0.1896	12.9	0.0266	2.2	0.17	169.5	3.6	176.3	20.9	268.7	293.7	169.5	3.6
NI12-12B-73	93	3927	3.2	20.0999	38.3	0.1828	39.2	0.0267	8.3	0.21	169.6	13.9	170.5	61.6	183.4	923.3	169.6	13.9
NI12-12B-U999	36	1971	2.8	23.3766	61.4	0.1574	61.8	0.0267	7.3	0.12	169.8	12.2	148.5	85.6	-180.5	1685.4	169.8	12.2
NI12-12A-235	163	5526	4.2	19.8805	9.5	0.1853	10.5	0.0267	4.5	0.43	170.0	7.5	172.7	16.6	208.9	220.2	170.0	7.5
NI12-12A-U40	59	3974	2.8	20.9656	43.1	0.1761	43.1	0.0268	2.6	0.06	170.3	4.3	164.7	65.6	84.3	1066.2	170.3	4.3
NI12-12A-U45	378	3255	10.1	17.6216	14.5	0.2118	19.6	0.0271	13.2	0.67	172.2	22.4	195.1	34.8	481.8	322.5	172.2	22.4
NI12-12A-u25	59	1474	2.2	20.9800	38.6	0.1790	39.2	0.0272	6.9	0.18	173.2	11.8	167.2	60.5	82.6	946.6	173.2	11.8
NI12-12B-27	181	9049	2.4	19.0989	9.5	0.1970	9.9	0.0273	2.8	0.28	173.6	4.8	182.6	16.5	301.1	216.0	173.6	4.8
NI12-12B-131	101	10772	1.9	20.8998	14.3	0.1801	14.9	0.0273	4.4	0.30	173.6	7.6	168.1	23.1	91.7	339.2	173.6	7.6
NI12-12A-U41	36	1599	3.4	15.4075	31.6	0.2454	33.4	0.0274	10.7	0.32	174.4	18.4	222.8	66.9	771.2	682.1	174.4	18.4
NI12-12B-157	76	3918	1.6	26.7509	35.0	0.1421	35.4	0.0276	5.6	0.16	175.3	9.7	134.9	44.8	-528.9	961.3	175.3	9.7
NI12-12A-105	89	4036	4.7	20.3973	24.8	0.1868	25.0	0.0276	3.1	0.12	175.8	5.4	173.9	40.0	149.1	589.2	175.8	5.4
NI12-12A-41	122	3691	4.0	22.3768	15.9	0.1714	16.3	0.0278	3.5	0.21	176.9	6.1	160.6	24.2	-72.5	390.7	176.9	6.1
NI12-12A-U20	103	2730	2.1	18.3894	16.4	0.2099	17.2	0.0280	5.3	0.31	178.0	9.3	193.5	30.3	386.8	370.0	178.0	9.3
NI12-12A-U43	333	3226	5.6	19.4121	8.9	0.1996	9.0	0.0281	1.6	0.18	178.6	2.9	184.8	15.2	263.9	204.0	178.6	2.9
NI12-12A-25	128	1555	2.4	19.6316	13.4	0.1980	15.6	0.0282	8.1	0.52	179.2	14.4	183.4	26.3	238.0	309.4	179.2	14.4
NI12-12A-65	116	733	3.4	15.0791	22.3	0.2621	22.5	0.0287	2.9	0.13	182.2	5.2	236.4	47.5	816.4	472.2	182.2	5.2

NI12-12B-229	133	8150	2.7	19.8608	13.2	0.1992	13.4	0.0287	2.3	0.17	182.3	4.2	184.4	22.6	211.2	306.9	182.3	4.2
NI12-12A-U44	312	1349	2.4	18.0669	13.8	0.2226	13.9	0.0292	2.0	0.14	185.4	3.7	204.1	25.8	426.4	309.1	185.4	3.7
NI12-12B-21	139	8330	3.1	20.7697	13.7	0.1937	13.9	0.0292	1.8	0.13	185.4	3.3	179.8	22.8	106.5	326.0	185.4	3.3
NI12-12A-U37	192	2915	2.7	17.7647	16.4	0.2279	16.5	0.0294	2.1	0.13	186.5	3.9	208.4	31.1	463.9	364.8	186.5	3.9
NI12-12A-06	174	1615	2.1	15.7811	21.8	0.2596	21.9	0.0297	1.7	0.08	188.8	3.2	234.4	45.8	720.6	468.0	188.8	3.2
NI12-12A-U13	142	829	3.8	14.2601	33.1	0.2950	33.3	0.0305	3.5	0.10	193.8	6.6	262.5	77.2	932.1	698.9	193.8	6.6
NI12-12B-71	90	305	3.2	15.6723	17.4	0.2754	19.5	0.0313	8.9	0.46	198.7	17.5	247.0	42.9	735.3	370.8	198.7	17.5
NI12-12A-15	75	1745	3.2	20.5906	21.7	0.2133	22.0	0.0318	3.4	0.16	202.1	6.8	196.3	39.3	126.9	516.5	202.1	6.8
NI12-12A-U3	132	943	1.8	15.7581	28.3	0.2890	28.5	0.0330	3.5	0.12	209.5	7.1	257.8	64.9	723.6	611.2	209.5	7.1
NI12-12A-U38	33	1268	2.3	18.5265	35.7	0.2572	37.1	0.0346	10.1	0.27	219.0	21.8	232.4	77.2	370.1	828.3	219.0	21.8
NI12-12A-U36	70	1088	1.2	19.0976	21.5	0.2519	21.6	0.0349	2.4	0.11	221.1	5.2	228.1	44.2	301.3	494.7	221.1	5.2
NI12-12A-U31	351	1245	2.7	16.7382	14.6	0.3084	14.9	0.0374	2.7	0.18	236.9	6.2	272.9	35.6	594.3	318.8	236.9	6.2
NI12-12A-U11	124	4807	2.4	10.7748	6.8	3.0554	7.0	0.2388	1.5	0.21	1380.3	18.2	1421.6	53.6	1484.0	129.8	1484.0	129.8
Sample NI12-14, Shumagin Fm (55.083130°, -159.939410°)																		
NI12-14-79	54	1162	1.6	33.2868	110.8	0.0452	111.0	0.0109	5.9	0.05	69.9	4.1	44.9	48.8	-1154.6	0.0	69.9	4.1
NI12-14-35	65	3448	1.9	18.7993	55.4	0.0806	56.0	0.0110	8.0	0.14	70.4	5.6	78.7	42.4	337.0	1357.7	70.4	5.6
NI12-14-46	70	4611	1.6	19.3500	89.5	0.0784	89.8	0.0110	7.7	0.09	70.5	5.4	76.6	66.4	271.2	2836.7	70.5	5.4
NI12-14-52	271	5912	2.8	20.3896	11.1	0.0749	11.5	0.0111	3.1	0.27	71.0	2.2	73.3	8.2	150.0	261.5	71.0	2.2
NI12-14-6	69	2764	1.6	-6.7810	640.6	-0.2258	640.6	0.0111	6.8	0.01	71.2	4.8	-259.8	#NUM!	NA	NA	71.2	4.8
NI12-14-43	232	23077	1.4	20.4314	9.7	0.0752	10.3	0.0111	3.2	0.31	71.4	2.3	73.6	7.3	145.1	228.9	71.4	2.3
NI12-14-41	101	5443	2.1	20.5626	31.9	0.0747	32.1	0.0111	3.8	0.12	71.4	2.7	73.2	22.7	130.2	767.7	71.4	2.7
NI12-14-62	73	3947	1.8	21.4126	36.5	0.0718	36.9	0.0112	5.6	0.15	71.5	4.0	70.4	25.1	34.0	901.4	71.5	4.0
NI12-14-44	67	3751	2.0	24.6187	48.2	0.0630	48.6	0.0113	5.7	0.12	72.1	4.1	62.0	29.3	-311.4	1303.0	72.1	4.1
NI12-14-32	324	23145	2.5	22.6754	8.0	0.0684	8.5	0.0113	2.9	0.34	72.1	2.1	67.2	5.6	-105.0	197.6	72.1	2.1
NI12-14-68	256	8408	2.8	22.1282	10.5	0.0702	10.9	0.0113	3.0	0.28	72.2	2.2	68.8	7.3	-45.3	255.7	72.2	2.2
NI12-14-7	181	11557	1.8	20.6031	11.9	0.0756	12.5	0.0113	3.6	0.29	72.4	2.6	74.0	8.9	125.5	281.4	72.4	2.6
NI12-14-110	117	6880	2.3	27.2720	37.6	0.0572	38.1	0.0113	6.3	0.17	72.5	4.6	56.5	21.0	-580.9	1049.1	72.5	4.6
NI12-14-31	183	16105	2.9	23.4803	8.6	0.0666	9.1	0.0113	3.1	0.34	72.7	2.2	65.4	5.8	-191.6	214.9	72.7	2.2
NI12-14-85	84	4179	1.8	20.6326	36.5	0.0758	37.0	0.0113	6.3	0.17	72.7	4.6	74.2	26.5	122.1	886.2	72.7	4.6
NI12-14-48	231	6509	1.8	24.5734	11.8	0.0639	12.0	0.0114	2.4	0.20	73.0	1.7	62.9	7.3	-306.7	302.2	73.0	1.7
NI12-14-76	94	3546	1.7	19.9525	29.5	0.0789	30.0	0.0114	5.4	0.18	73.1	3.9	77.1	22.2	200.5	697.8	73.1	3.9
NI12-14-84	122	6065	2.7	27.1384	32.9	0.0580	33.8	0.0114	7.6	0.22	73.2	5.5	57.3	18.8	-567.6	909.2	73.2	5.5
NI12-14-33	141	7272	1.5	22.3255	21.4	0.0707	21.7	0.0114	3.9	0.18	73.4	2.9	69.4	14.6	-66.9	527.1	73.4	2.9
NI12-14-49	57	3954	1.9	19.2577	39.0	0.0821	39.5	0.0115	6.0	0.15	73.5	4.4	80.1	30.4	282.2	924.9	73.5	4.4
NI12-14-15	202	9082	2.1	22.7256	10.2	0.0696	10.7	0.0115	3.3	0.31	73.5	2.4	68.3	7.1	-110.5	251.8	73.5	2.4
NI12-14-63	65	2414	2.2	18.7246	57.7	0.0845	58.2	0.0115	7.0	0.12	73.5	5.1	82.3	46.0	346.1	1425.0	73.5	5.1
NI12-14-74	106	4687	1.8	20.2833	20.4	0.0780	21.5	0.0115	6.7	0.31	73.5	4.9	76.3	15.8	162.2	481.2	73.5	4.9
NI12-14-10	178	14123	2.5	20.8174	16.2	0.0760	16.3	0.0115	2.0	0.12	73.6	1.5	74.4	11.7	101.1	384.3	73.6	1.5
NI12-14-109	285	64366	1.5	20.3998	11.9	0.0778	12.2	0.0115	2.7	0.22	73.8	2.0	76.1	9.0	148.8	279.9	73.8	2.0
NI12-14-1	57	3225	1.8	44.0809	69.3	0.0361	69.9	0.0115	8.7	0.12	73.9	6.4	36.0	24.7	NA	NA	73.9	6.4
NI12-14-81	90	3599	2.2	21.1049	27.2	0.0754	27.5	0.0115	3.9	0.14	74.0	2.9	73.8	19.6	68.5	658.0	74.0	2.9
NI12-14-39	245	4607	1.9	20.9007	10.7	0.0762	11.1	0.0115	3.0	0.27	74.0	2.2	74.5	8.0	91.6	254.1	74.0	2.2
NI12-14-88	77	2451	1.4	24.1200	40.7	0.0662	41.2	0.0116	5.8	0.14	74.2	4.3	65.0	25.9	-259.2	1071.4	74.2	4.3
NI12-14-86	173	5698	1.8	26.2236	22.5	0.0609	24.0	0.0116	8.3	0.35	74.2	6.1	60.0	14.0	-475.9	603.2	74.2	6.1
NI12-14-98	204	1417	1.3	17.5446	20.3	0.0911	20.6	0.0116	3.7	0.18	74.3	2.8	88.5	17.5	491.4	451.4	74.3	2.8
NI12-14-64	134	2656	2.7	19.7094	10.4	0.0812	10.9	0.0116	3.2	0.29	74.4	2.3	79.2	8.3	228.9	240.2	74.4	2.3
NI12-14-77	154	7551	1.3	20.9520	19.5	0.0766	19.8	0.0116	3.5	0.17	74.6	2.6	74.9	14.3	85.8	465.3	74.6	2.6
NI12-14-65	81	5005	1.5	20.6915	32.6	0.0780	33.6	0.0117	8.1	0.24	75.0	6.0	76.2	24.7	115.4	787.6	75.0	6.0
NI12-14-114	182	5708	1.8	21.4026	13.6	0.0754	14.0	0.0117	3.3	0.24	75.0	2.5	73.8	10.0	35.1	327.2	75.0	2.5

NI12-14-108	97	3989	2.3	25.5266	22.4	0.0633	23.0	0.0117	5.4	0.24	75.1	4.1	62.3	13.9	-405.1	590.6	75.1	4.1
NI12-14-66	121	6289	2.5	22.4056	26.1	0.0723	26.2	0.0117	3.0	0.11	75.3	2.2	70.8	18.0	-75.7	646.9	75.3	2.2
NI12-14-96	207	9138	1.5	24.2791	18.4	0.0670	18.5	0.0118	2.2	0.12	75.7	1.7	65.9	11.8	-276.0	470.6	75.7	1.7
NI12-14-112	141	9435	1.9	22.5059	23.3	0.0724	23.6	0.0118	4.1	0.17	75.7	3.1	71.0	16.2	-86.6	576.9	75.7	3.1
NI12-14-19	50	2946	2.0	10.6404	183.9	0.1540	184.0	0.0119	7.2	0.04	76.1	5.5	145.4	254.5	1507.7	432.9	76.1	5.5
NI12-14-91	57	2664	1.8	43.2214	87.9	0.0379	88.3	0.0119	8.3	0.09	76.2	6.3	37.8	32.8	NA	NA	76.2	6.3
NI12-14-59	408	35864	1.6	20.2900	10.0	0.0812	10.2	0.0120	1.9	0.18	76.6	1.4	79.3	7.8	161.4	235.3	76.6	1.4
NI12-14-4	71	3284	2.4	21.9594	42.7	0.0755	43.0	0.0120	4.4	0.10	77.1	3.3	73.9	30.6	-26.7	1079.7	77.1	3.3
NI12-14-107	117	6293	2.6	24.9857	40.0	0.0668	40.6	0.0121	6.6	0.16	77.6	5.1	65.6	25.8	-349.5	1069.3	77.6	5.1
NI12-14-72	231	17357	1.4	23.2019	14.6	0.0743	15.0	0.0125	3.4	0.23	80.1	2.7	72.8	10.6	-161.8	365.6	80.1	2.7
NI12-14-38	128	7420	2.2	19.6489	17.0	0.0906	17.7	0.0129	4.8	0.27	82.7	3.9	88.0	14.9	236.0	395.4	82.7	3.9
NI12-14-106	69	2831	2.8	18.5238	20.8	0.0965	21.7	0.0130	6.1	0.28	83.0	5.0	93.5	19.4	370.4	473.4	83.0	5.0
NI12-14-17	63	3229	2.3	23.7399	28.4	0.0768	29.5	0.0132	8.2	0.28	84.6	6.9	75.1	21.4	-219.1	725.5	84.6	6.9
NI12-14-56	54	2774	2.0	17.1801	43.3	0.1067	44.0	0.0133	7.5	0.17	85.2	6.3	103.0	43.1	537.5	992.9	85.2	6.3
NI12-14-116	135	7920	2.5	19.6259	23.0	0.0949	23.7	0.0135	5.8	0.24	86.5	5.0	92.0	20.9	238.7	537.1	86.5	5.0
NI12-14-115	189	7751	2.2	21.6668	19.5	0.0870	19.7	0.0137	2.9	0.15	87.6	2.6	84.7	16.0	5.7	472.8	87.6	2.6
NI12-14-3	213	17761	1.6	24.0560	20.1	0.0786	20.2	0.0137	2.0	0.10	87.9	1.8	76.9	14.9	-252.5	512.2	87.9	1.8
NI12-14-60	98	5992	2.0	18.9776	37.2	0.0998	38.4	0.0137	9.5	0.25	87.9	8.3	96.6	35.4	315.6	874.5	87.9	8.3
NI12-14-78	54	3503	1.3	23.9204	51.7	0.0794	52.2	0.0138	7.8	0.15	88.2	6.8	77.6	39.0	-238.2	1388.0	88.2	6.8
NI12-14-18	175	7270	2.5	23.7945	10.9	0.0800	11.5	0.0138	3.6	0.32	88.4	3.2	78.1	8.7	-224.9	275.8	88.4	3.2
NI12-14-82	426	26330	0.8	21.5327	5.5	0.0886	5.6	0.0138	1.3	0.23	88.6	1.1	86.2	4.7	20.6	131.8	88.6	1.1
NI12-14-87	77	4911	2.2	18.1813	14.3	0.1053	15.8	0.0139	6.8	0.43	88.9	6.0	101.7	15.3	412.3	321.1	88.9	6.0
NI12-14-27	206	13517	1.7	20.7866	9.3	0.0928	9.6	0.0140	2.5	0.26	89.6	2.2	90.1	8.3	104.6	219.8	89.6	2.2
NI12-14-25	45	2990	1.7	43.7963	151.3	0.0444	151.4	0.0141	5.7	0.04	90.2	5.1	44.1	65.4	NA	NA	90.2	5.1
NI12-14-93	57	3321	2.4	30.0465	43.6	0.0657	44.1	0.0143	6.2	0.14	91.7	5.7	64.6	27.6	-850.8	1302.4	91.7	5.7
NI12-14-9	456	13711	1.7	20.5137	3.6	0.1023	4.2	0.0152	2.1	0.50	97.4	2.0	98.9	3.9	135.7	84.6	97.4	2.0
NI12-14-23	314	37333	1.8	20.5902	6.6	0.1057	6.7	0.0158	1.2	0.18	100.9	1.2	102.0	6.5	127.0	155.4	100.9	1.2
NI12-14-53	106	9133	2.1	22.0572	34.0	0.0996	34.2	0.0159	3.4	0.10	101.9	3.4	96.4	31.5	-37.5	848.0	101.9	3.4
NI12-14-105	253	17011	2.3	21.4996	10.2	0.1027	10.7	0.0160	3.4	0.32	102.5	3.4	99.3	10.1	24.3	244.5	102.5	3.4
NI12-14-45	151	7112	1.7	17.8045	6.8	0.1270	7.3	0.0164	2.5	0.35	104.9	2.6	121.4	8.3	458.9	151.2	104.9	2.6
NI12-14-29	169	21933	1.1	19.9636	9.6	0.1133	9.8	0.0164	1.8	0.18	104.9	1.8	109.0	10.1	199.2	223.9	104.9	1.8
NI12-14-71	105	5501	2.1	19.9325	11.6	0.1141	12.2	0.0165	3.7	0.31	105.5	3.9	109.7	12.6	202.8	269.3	105.5	3.9
NI12-14-24	357	21035	1.8	21.4651	4.7	0.1087	5.1	0.0169	2.1	0.40	108.2	2.2	104.8	5.1	28.1	113.0	108.2	2.2
NI12-14-75	56	3785	2.2	21.6954	26.2	0.1105	26.8	0.0174	5.7	0.21	111.2	6.3	106.4	27.1	2.5	641.0	111.2	6.3
NI12-14-99	163	13574	4.0	20.9611	10.4	0.1158	10.7	0.0176	2.4	0.22	112.5	2.6	111.3	11.2	84.8	247.4	112.5	2.6
NI12-14-58	210	24381	3.3	20.8180	9.5	0.1168	9.8	0.0176	2.2	0.23	112.7	2.5	112.2	10.4	101.0	225.9	112.7	2.5
NI12-14-97	32	1725	2.5	33.2392	56.7	0.0749	57.4	0.0180	9.1	0.16	115.3	10.4	73.3	40.6	-1150.2	1866.5	115.3	10.4
NI12-14-36	217	64724	2.6	20.6216	7.6	0.1556	8.2	0.0233	3.1	0.38	148.3	4.6	146.9	11.2	123.4	179.1	148.3	4.6
NI12-14-61	121	12786	1.6	21.0469	18.3	0.1538	18.6	0.0235	3.4	0.18	149.6	5.1	145.2	25.2	75.1	438.1	149.6	5.1
NI12-14-111	139	17200	1.8	22.1016	11.3	0.1484	11.6	0.0238	2.4	0.21	151.5	3.6	140.5	15.2	-42.4	275.6	151.5	3.6
NI12-14-28	43	4611	1.8	30.8471	44.4	0.1072	44.6	0.0240	4.3	0.10	152.8	6.6	103.4	43.9	-926.9	1348.7	152.8	6.6
NI12-14-101	52	11365	1.9	18.1818	20.4	0.1820	20.8	0.0240	4.4	0.21	152.9	6.7	169.8	32.6	412.2	459.7	152.9	6.7
NI12-14-21	46	5167	1.9	18.4375	25.1	0.1807	25.9	0.0242	6.1	0.24	153.9	9.3	168.6	40.2	380.9	573.0	153.9	9.3
NI12-14-95	115	9466	2.5	20.8313	7.5	0.1605	8.3	0.0243	3.4	0.42	154.5	5.3	151.2	11.6	99.5	178.4	154.5	5.3
NI12-14-57	236	58834	2.2	20.7092	5.1	0.1619	5.4	0.0243	1.7	0.31	154.9	2.6	152.3	7.6	113.4	120.6	154.9	2.6
NI12-14-83	53	8074	1.9	23.7058	42.6	0.1431	42.7	0.0246	3.3	0.08	156.7	5.1	135.8	54.3	-215.5	1114.0	156.7	5.1
NI12-14-102	160	14775	2.0	21.2868	9.0	0.1603	9.2	0.0247	1.9	0.21	157.6	3.0	151.0	12.9	48.1	214.8	157.6	3.0
NI12-14-47	345	36013	2.0	19.5226	3.9	0.1752	4.5	0.0248	2.1	0.47	158.0	3.3	163.9	6.7	250.8	90.5	158.0	3.3
NI12-14-104	39	4331	1.4	23.7777	43.9	0.1447	44.6	0.0250	7.5	0.17	158.9	11.8	137.2	57.3	-223.1	1154.1	158.9	11.8
NI12-14-14	441	62122	2.1	20.1692	2.3	0.1760	2.8	0.0257	1.6	0.57	163.9	2.6	164.6	4.3	175.4	53.9	163.9	2.6

NI12-14-8	52	9087	2.0	21.4520	41.8	0.1668	42.1	0.0260	4.6	0.11	165.2	7.5	156.6	61.1	29.6	1042.8	165.2	7.5
NI12-14-50	64	10368	2.3	20.6444	14.7	0.1735	15.0	0.0260	2.8	0.19	165.3	4.6	162.4	22.5	120.8	348.4	165.3	4.6
NI12-14-51	42	4034	3.0	21.8929	28.9	0.1646	29.4	0.0261	5.4	0.18	166.3	8.8	154.7	42.2	-19.4	712.6	166.3	8.8
NI12-14-16	83	11097	2.5	21.2647	16.0	0.1713	16.2	0.0264	2.0	0.13	168.1	3.4	160.6	24.0	50.6	384.9	168.1	3.4
NI12-14-89	57	5975	1.8	23.0752	24.9	0.1586	25.3	0.0265	4.5	0.18	168.9	7.6	149.5	35.2	-148.2	625.4	168.9	7.6
NI12-14-11	56	5542	2.3	19.6533	25.0	0.1868	25.7	0.0266	6.2	0.24	169.4	10.4	173.9	41.2	235.5	584.7	169.4	10.4
NI12-14-20	39	5968	1.5	22.4066	33.1	0.1658	33.3	0.0269	4.1	0.12	171.4	6.9	155.8	48.2	-75.8	828.3	171.4	6.9
NI12-14-30	112	16607	4.2	20.1660	11.5	0.1849	11.7	0.0270	2.2	0.19	172.0	3.8	172.2	18.5	175.7	267.8	172.0	3.8
NI12-14-55	175	17796	4.0	19.8510	7.3	0.1881	7.6	0.0271	2.3	0.30	172.3	3.8	175.0	12.3	212.3	169.0	172.3	3.8
NI12-14-54	63	8168	2.4	21.1906	13.0	0.1774	13.2	0.0273	2.0	0.15	173.4	3.4	165.8	20.2	58.9	311.7	173.4	3.4
NI12-14-22	33	3682	1.4	40.8560	56.1	0.0921	56.3	0.0273	5.1	0.09	173.5	8.7	89.4	48.2	NA	NA	173.5	8.7
NI12-14-40	144	24802	1.4	20.9855	7.0	0.1796	8.9	0.0273	5.4	0.61	173.8	9.3	167.7	13.7	82.0	166.5	173.8	9.3
NI12-14-80	46	7636	2.4	20.3591	17.7	0.1873	18.6	0.0277	5.8	0.31	175.9	10.0	174.3	29.8	153.5	417.4	175.9	10.0
NI12-14-90	66	7445	2.8	20.0401	18.0	0.1919	18.2	0.0279	3.2	0.18	177.3	5.6	178.2	29.8	190.4	420.6	177.3	5.6
NI12-14-113	118	9974	1.1	20.4794	10.6	0.1887	10.8	0.0280	2.2	0.21	178.2	3.9	175.5	17.4	139.7	248.5	178.2	3.9
NI12-14-100	209	16446	1.5	21.1509	5.6	0.1895	5.8	0.0291	1.6	0.28	184.8	3.0	176.2	9.4	63.4	133.2	184.8	3.0
NI12-14-70	81	9633	2.1	21.2165	11.3	0.1900	11.6	0.0292	2.9	0.25	185.8	5.2	176.6	18.9	56.0	270.0	185.8	5.2
NI12-14-69	82	8270	3.2	18.7516	16.5	0.2163	17.0	0.0294	4.1	0.24	186.9	7.5	198.8	30.7	342.8	375.8	186.9	7.5
NI12-14-37	110	32632	2.2	20.3297	9.8	0.2000	10.1	0.0295	2.5	0.25	187.3	4.6	185.1	17.1	156.8	230.3	187.3	4.6
NI12-14-94	74	12152	2.2	20.6286	13.5	0.1989	13.7	0.0298	2.3	0.17	189.1	4.3	184.2	23.2	122.6	320.2	189.1	4.3
NI12-14-92	201	21403	2.1	20.2151	3.7	0.2054	4.7	0.0301	3.0	0.63	191.3	5.6	189.7	8.2	170.0	86.2	191.3	5.6
NI12-14-117	84	16965	1.8	19.5409	7.2	0.3144	7.3	0.0446	1.4	0.20	281.1	3.9	277.6	17.7	248.7	165.0	281.1	3.9
NI12-14-12	153	39517	1.6	18.2640	2.9	0.4684	3.5	0.0620	1.9	0.54	388.0	7.0	390.1	11.2	402.1	65.6	388.0	7.0
NI12-14-5	120	147789	1.1	11.0003	0.7	3.1646	1.1	0.2525	0.8	0.71	1451.2	9.9	1448.6	8.3	1444.6	14.3	1444.6	14.3
NI12-14-73	106	198527	1.4	9.1918	0.6	4.8112	1.2	0.3207	1.1	0.89	1793.3	17.5	1786.9	10.5	1779.3	10.2	1779.3	10.2
NI12-14-2	241	462072	1.2	8.8746	0.9	4.5557	5.3	0.2932	5.2	0.99	1657.6	75.9	1741.2	43.9	1843.1	16.3	1843.1	16.3
NI12-14-103	94	212094	2.3	8.7346	0.4	5.5037	1.1	0.3487	1.0	0.94	1928.2	16.8	1901.2	9.2	1871.8	6.6	1871.8	6.6
Sample NI12-18, Shumagin Fm (55.151260°,-160.096010°)																		
NI12-18-11	308	13713	1.5	21.6484	11.4	0.0717	11.5	0.0113	1.8	0.16	72.2	1.3	70.3	7.8	7.7	274.3	72.2	1.3
NI12-18-55	224	9150	1.7	22.4482	13.0	0.0701	13.4	0.0114	3.4	0.25	73.1	2.5	68.8	8.9	-80.3	318.7	73.1	2.5
NI12-18-90	217	9311	1.6	20.0110	10.6	0.0789	10.9	0.0114	2.3	0.21	73.4	1.7	77.1	8.1	193.7	248.2	73.4	1.7
NI12-18-47	179	9735	2.1	19.4383	12.7	0.0813	13.1	0.0115	3.1	0.23	73.5	2.2	79.4	10.0	260.8	293.1	73.5	2.2
NI12-18-45	218	13549	1.6	21.3341	9.6	0.0742	9.9	0.0115	2.4	0.24	73.6	1.7	72.7	6.9	42.8	230.5	73.6	1.7
NI12-18-77	197	19844	1.8	20.0668	13.1	0.0790	13.3	0.0115	2.3	0.17	73.7	1.7	77.2	9.9	187.2	306.3	73.7	1.7
NI12-18-46	162	4754	0.9	19.4852	23.9	0.0829	25.1	0.0117	7.5	0.30	75.0	5.6	80.8	19.5	255.3	556.8	75.0	5.6
NI12-18-36	205	13974	1.5	23.9695	16.5	0.0679	16.9	0.0118	3.6	0.21	75.6	2.7	66.7	10.9	-243.4	419.0	75.6	2.7
NI12-18-80	82	2969	2.4	17.9644	25.7	0.0906	26.2	0.0118	4.8	0.18	75.6	3.6	88.0	22.1	439.0	581.2	75.6	3.6
NI12-18-48	192	15717	1.9	20.4895	12.7	0.0797	12.8	0.0118	1.8	0.14	75.9	1.4	77.8	9.6	138.5	298.8	75.9	1.4
NI12-18-42	938	57691	0.9	20.3482	2.6	0.0930	3.0	0.0137	1.5	0.49	87.9	1.3	90.3	2.6	154.7	62.0	87.9	1.3
NI12-18-83	139	21506	1.4	21.1294	20.2	0.0896	20.4	0.0137	3.1	0.15	87.9	2.7	87.1	17.0	65.8	484.4	87.9	2.7
NI12-18-22	142	10629	1.4	22.5726	24.9	0.0840	25.3	0.0138	4.4	0.17	88.1	3.8	81.9	19.9	-93.9	619.0	88.1	3.8
NI12-18-3	53	2546	1.8	16.8646	35.4	0.1131	36.1	0.0138	6.9	0.19	88.6	6.1	108.8	37.3	578.0	793.2	88.6	6.1
NI12-18-54	62	6718	2.2	25.4303	67.0	0.0768	67.3	0.0142	7.0	0.10	90.7	6.3	75.2	48.8	-395.2	1959.2	90.7	6.3
NI12-18-70	94	6363	2.1	20.4290	22.6	0.0968	23.0	0.0143	4.3	0.19	91.8	3.9	93.8	20.6	145.4	535.2	91.8	3.9
NI12-18-73	180	11962	2.4	20.3732	8.9	0.0979	9.5	0.0145	3.5	0.36	92.6	3.2	94.8	8.6	151.8	208.7	92.6	3.2
NI12-18-75	73	4648	2.1	20.8949	30.3	0.0955	30.5	0.0145	3.9	0.13	92.6	3.6	92.6	27.0	92.3	732.3	92.6	3.6
NI12-18-91	189	17873	2.3	20.7235	7.5	0.0968	7.7	0.0146	1.9	0.25	93.1	1.8	93.8	6.9	111.7	177.1	93.1	1.8
NI12-18-51	258	14211	1.8	20.8137	7.1	0.0972	8.0	0.0147	3.7	0.47	93.9	3.5	94.2	7.2	101.5	167.7	93.9	3.5
NI12-18-12	194	18320	2.2	20.5563	8.2	0.0990	8.6	0.0148	2.6	0.31	94.4	2.5	95.8	7.8	130.8	192.0	94.4	2.5

NI12-18-78	208	13939	2.4	21.6446	14.2	0.0956	14.5	0.0150	2.9	0.20	96.0	2.7	92.7	12.9	8.1	344.1	96.0	2.7
NI12-18-13	215	10043	2.0	21.5848	8.3	0.0962	8.7	0.0151	2.8	0.32	96.4	2.6	93.3	7.8	14.8	198.8	96.4	2.6
NI12-18-69	269	14587	2.6	21.8423	6.9	0.0964	7.0	0.0153	1.2	0.16	97.7	1.1	93.5	6.3	-13.8	167.1	97.7	1.1
NI12-18-89	169	12879	5.6	19.3909	29.6	0.1091	31.1	0.0153	9.4	0.30	98.1	9.1	105.1	31.1	266.4	693.8	98.1	9.1
NI12-18-32	319	16076	2.0	20.1103	5.4	0.1052	5.5	0.0154	1.4	0.25	98.2	1.3	101.6	5.3	182.2	124.8	98.2	1.3
NI12-18-100	377	40398	2.4	21.3286	4.5	0.0994	4.6	0.0154	1.1	0.24	98.3	1.1	96.2	4.2	43.4	107.4	98.3	1.1
NI12-18-98	330	17489	2.1	21.5486	9.0	0.0985	9.2	0.0154	1.7	0.18	98.5	1.6	95.4	8.4	18.8	217.2	98.5	1.6
NI12-18-16	172	14428	1.5	19.9701	9.2	0.1096	9.7	0.0159	3.3	0.33	101.5	3.3	105.6	9.8	198.5	213.2	101.5	3.3
NI12-18-49	161	7609	1.1	20.5622	9.7	0.1079	10.1	0.0161	2.9	0.29	102.9	3.0	104.1	10.0	130.2	227.9	102.9	3.0
NI12-18-67	209	9005	1.3	22.0638	9.2	0.1021	9.3	0.0163	1.8	0.19	104.5	1.9	98.7	8.8	-38.2	222.9	104.5	1.9
NI12-18-87	67	8657	2.7	20.7082	20.3	0.1175	20.7	0.0176	4.3	0.21	112.7	4.8	112.8	22.1	113.5	482.9	112.7	4.8
NI12-18-65	167	33810	3.3	23.7077	16.8	0.1052	16.9	0.0181	1.5	0.09	115.6	1.7	101.6	16.3	-215.7	424.6	115.6	1.7
NI12-18-17	71	7813	4.3	25.3210	23.1	0.1109	23.5	0.0204	4.6	0.20	130.0	5.9	106.8	23.9	-384.0	606.7	130.0	5.9
NI12-18-25	164	14286	2.9	21.2103	7.4	0.1393	7.5	0.0214	1.4	0.19	136.6	1.9	132.4	9.3	56.7	176.6	136.6	1.9
NI12-18-8	92	11956	3.1	19.1146	20.7	0.1657	20.9	0.0230	2.4	0.12	146.4	3.5	155.6	30.1	299.2	477.7	146.4	3.5
NI12-18-97	118	10660	1.6	22.5398	11.0	0.1422	11.1	0.0232	1.9	0.17	148.1	2.7	135.0	14.1	-90.3	269.5	148.1	2.7
NI12-18-15	45	4409	1.4	24.0535	42.6	0.1336	42.7	0.0233	3.1	0.07	148.6	4.5	127.4	51.2	-252.3	1123.6	148.6	4.5
NI12-18-44	90	12244	1.1	22.3067	11.4	0.1447	11.8	0.0234	3.0	0.26	149.1	4.5	137.2	15.2	-64.9	279.6	149.1	4.5
NI12-18-72	65	6522	1.6	22.0253	27.3	0.1466	27.5	0.0234	3.4	0.12	149.2	5.0	138.9	35.7	-34.0	673.2	149.2	5.0
NI12-18-21	48	10985	1.5	21.0896	21.9	0.1536	22.2	0.0235	3.3	0.15	149.7	4.9	145.1	30.0	70.3	527.2	149.7	4.9
NI12-18-41	71	5948	2.6	20.9229	14.2	0.1554	14.5	0.0236	3.3	0.23	150.2	4.9	146.6	19.9	89.1	337.2	150.2	4.9
NI12-18-35	70	6423	1.6	23.8944	45.3	0.1361	45.8	0.0236	6.5	0.14	150.2	9.7	129.5	55.7	-235.5	1197.1	150.2	9.7
NI12-18-53	31	5170	2.2	21.3923	40.9	0.1523	41.3	0.0236	5.1	0.12	150.5	7.7	143.9	55.4	36.2	1018.1	150.5	7.7
NI12-18-4	105	9406	4.2	20.5302	17.8	0.1591	18.4	0.0237	4.9	0.27	150.9	7.3	149.9	25.7	133.8	420.4	150.9	7.3
NI12-18-57	170	17788	2.1	21.2642	13.1	0.1540	13.2	0.0237	1.6	0.12	151.3	2.5	145.4	17.9	50.6	314.6	151.3	2.5
NI12-18-93	39	4313	1.4	37.7696	157.8	0.0870	158.0	0.0238	8.1	0.05	151.8	12.1	84.7	129.0	NA	NA	151.8	12.1
NI12-18-74	583	96855	1.9	20.3777	2.3	0.1613	2.5	0.0238	1.0	0.41	151.8	1.5	151.8	3.5	151.3	53.0	151.8	1.5
NI12-18-37	35	3802	1.9	25.4914	56.5	0.1292	56.8	0.0239	5.9	0.10	152.2	8.9	123.4	66.1	-401.5	1588.9	152.2	8.9
NI12-18-82	59	5158	1.1	18.6040	16.3	0.1774	16.8	0.0239	4.0	0.24	152.5	6.0	165.8	25.7	360.7	370.6	152.5	6.0
NI12-18-9	70	6242	1.3	21.8309	22.4	0.1518	23.0	0.0240	5.2	0.23	153.1	7.9	143.5	30.8	-12.5	547.4	153.1	7.9
NI12-18-5	78	7990	1.8	23.6203	25.0	0.1409	25.2	0.0241	3.1	0.12	153.7	4.7	133.8	31.6	-206.5	636.1	153.7	4.7
NI12-18-2	66	4216	1.5	22.0638	37.9	0.1508	38.1	0.0241	3.9	0.10	153.8	5.9	142.7	50.7	-38.2	949.4	153.8	5.9
NI12-18-31	39	4771	1.4	20.1452	30.9	0.1653	32.1	0.0241	8.7	0.27	153.8	13.2	155.3	46.3	178.1	736.6	153.8	13.2
NI12-18-20	80	8377	2.0	22.1902	24.3	0.1500	24.5	0.0241	2.8	0.12	153.8	4.3	141.9	32.4	-52.1	599.2	153.8	4.3
NI12-18-56	64	8225	2.8	18.8042	17.2	0.1778	17.8	0.0243	4.7	0.26	154.5	7.2	166.2	27.3	336.5	391.2	154.5	7.2
NI12-18-26	183	27135	1.8	19.9684	6.7	0.1683	7.1	0.0244	2.4	0.34	155.2	3.7	157.9	10.4	198.7	154.7	155.2	3.7
NI12-18-10	296	48365	2.5	20.5521	4.3	0.1643	4.8	0.0245	2.2	0.45	156.0	3.3	154.4	6.9	131.3	101.6	156.0	3.3
NI12-18-38	162	20216	1.2	20.0800	5.7	0.1685	5.8	0.0245	1.4	0.24	156.3	2.2	158.1	8.5	185.7	131.8	156.3	2.2
NI12-18-33	135	27877	2.2	20.1934	11.5	0.1679	11.5	0.0246	1.4	0.12	156.6	2.2	157.6	16.9	172.6	268.0	156.6	2.2
NI12-18-58	83	10144	2.1	20.6115	18.2	0.1662	18.5	0.0248	3.3	0.18	158.2	5.1	156.1	26.7	124.5	431.4	158.2	5.1
NI12-18-68	151	17576	1.6	19.4218	12.9	0.1764	13.2	0.0248	2.6	0.20	158.2	4.1	164.9	20.0	262.7	297.1	158.2	4.1
NI12-18-66	32	1535	2.0	21.3716	28.7	0.1605	30.9	0.0249	11.5	0.37	158.4	18.0	151.1	43.4	38.6	699.0	158.4	18.0
NI12-18-1	116	13891	3.9	19.0204	14.2	0.1827	14.2	0.0252	1.4	0.10	160.5	2.3	170.4	22.3	310.5	324.0	160.5	2.3
NI12-18-62	34	1217	1.6	15.5766	21.5	0.2236	22.9	0.0253	7.7	0.34	160.8	12.3	204.9	42.5	748.2	459.7	160.8	12.3
NI12-18-23	116	11178	2.7	20.0643	10.9	0.1748	11.5	0.0254	3.5	0.31	161.9	5.6	163.6	17.3	187.5	254.2	161.9	5.6
NI12-18-61	27	3216	2.2	20.4128	78.5	0.1729	78.8	0.0256	6.9	0.09	162.9	11.1	161.9	118.5	147.3	2240.4	162.9	11.1
NI12-18-50	95	11135	2.8	21.4011	11.3	0.1663	11.3	0.0258	1.0	0.08	164.3	1.6	156.2	16.4	35.2	270.6	164.3	1.6
NI12-18-86	84	5672	3.2	22.9600	21.8	0.1580	21.9	0.0263	2.3	0.10	167.4	3.8	148.9	30.4	-135.8	545.5	167.4	3.8
NI12-18-60	146	21322	1.9	19.4087	7.9	0.1893	8.3	0.0266	2.7	0.32	169.5	4.5	176.0	13.5	264.3	181.9	169.5	4.5
NI12-18-79	98	8331	3.6	20.1223	9.5	0.1837	9.8	0.0268	2.3	0.23	170.5	3.8	171.2	15.4	180.8	221.6	170.5	3.8

NI12-18-85	91	11945	3.6	21.9860	11.7	0.1692	12.2	0.0270	3.5	0.29	171.6	6.0	158.7	17.9	-29.7	284.2	171.6	6.0
NI12-18-59	67	11426	2.1	25.6009	20.5	0.1458	20.7	0.0271	3.3	0.16	172.2	5.6	138.2	26.8	-412.7	539.7	172.2	5.6
NI12-18-84	143	13362	1.2	21.5162	13.5	0.1752	13.9	0.0273	3.4	0.24	173.8	5.8	163.9	21.1	22.4	325.4	173.8	5.8
NI12-18-14	55	13877	1.9	21.6614	19.6	0.1746	20.2	0.0274	4.8	0.24	174.5	8.2	163.4	30.5	6.2	476.2	174.5	8.2
NI12-18-95	69	6902	2.2	20.6870	14.0	0.1831	14.9	0.0275	5.1	0.34	174.7	8.8	170.8	23.4	115.9	331.1	174.7	8.8
NI12-18-28	64	5548	2.1	18.7157	15.8	0.2035	16.8	0.0276	5.8	0.35	175.6	10.1	188.1	28.9	347.1	359.6	175.6	10.1
NI12-18-18	109	21004	1.7	20.9800	7.8	0.1832	8.2	0.0279	2.6	0.31	177.3	4.5	170.8	12.9	82.6	185.5	177.3	4.5
NI12-18-29	845	184718	3.3	20.0328	1.5	0.1924	1.9	0.0280	1.1	0.61	177.7	2.0	178.7	3.1	191.2	35.0	177.7	2.0
NI12-18-96	126	12423	2.2	20.9038	6.0	0.1891	6.4	0.0287	2.2	0.34	182.2	3.9	175.8	10.3	91.3	142.5	182.2	3.9
NI12-18-30	92	13199	2.6	20.7194	10.2	0.1919	10.5	0.0288	2.6	0.25	183.3	4.7	178.2	17.2	112.3	241.6	183.3	4.7
NI12-18-63	74	7689	2.7	19.1427	12.1	0.2086	12.2	0.0290	1.9	0.16	184.0	3.5	192.3	21.4	295.9	276.6	184.0	3.5
NI12-18-6	249	35515	1.7	20.5537	5.9	0.1946	6.1	0.0290	1.4	0.23	184.3	2.5	180.5	10.1	131.1	139.6	184.3	2.5
NI12-18-88	41	5167	2.0	28.6883	67.7	0.1394	68.2	0.0290	8.8	0.13	184.3	16.0	132.5	85.0	-720.0	2116.0	184.3	16.0
NI12-18-52	46	5945	2.7	19.4885	15.5	0.2072	16.0	0.0293	3.6	0.23	186.1	6.6	191.2	27.8	254.9	359.3	186.1	6.6
NI12-18-64	199	16829	1.4	20.0271	3.6	0.2089	3.8	0.0303	1.2	0.31	192.7	2.2	192.6	6.7	191.9	84.1	192.7	2.2
NI12-18-43	58	5281	1.9	23.0849	19.5	0.2032	20.9	0.0340	7.4	0.35	215.7	15.6	187.8	35.8	-149.3	488.4	215.7	15.6
NI12-18-19	456	67323	1.7	19.5697	2.1	0.2522	2.7	0.0358	1.7	0.63	226.7	3.8	228.3	5.6	245.3	48.8	226.7	3.8
NI12-18-40	55	21749	2.6	19.4908	17.6	0.2672	18.1	0.0378	4.0	0.22	239.0	9.4	240.5	38.7	254.6	407.8	239.0	9.4
NI12-18-92	98	23115	1.1	19.3914	9.8	0.2923	10.0	0.0411	2.2	0.22	259.7	5.5	260.3	22.9	266.3	224.3	259.7	5.5
NI12-18-7	127	27647	1.5	19.1881	5.2	0.3191	5.3	0.0444	1.2	0.23	280.1	3.3	281.2	13.0	290.5	117.8	280.1	3.3
NI12-18-24	166	25707	1.4	19.9304	5.9	0.3132	6.2	0.0453	1.8	0.29	285.4	5.1	276.6	15.0	203.1	137.7	285.4	5.1
NI12-18-81	678	160113	1.7	19.0418	1.0	0.3603	1.5	0.0498	1.1	0.75	313.0	3.4	312.4	4.0	307.9	22.5	313.0	3.4
NI12-18-99	362	454218	4.1	10.4735	4.2	0.7421	6.0	0.0564	4.3	0.71	353.5	14.7	563.6	26.0	1537.5	79.5	353.5	14.7
NI12-18-94	162	23560	2.6	19.1831	3.9	0.4138	4.3	0.0576	1.8	0.42	360.8	6.4	351.6	12.7	291.1	88.3	360.8	6.4
NI12-18-102	192	200071	1.6	9.3193	0.3	4.7519	1.4	0.3212	1.4	0.98	1795.5	21.6	1776.5	11.8	1754.1	5.3	1754.1	5.3
NI12-18-103	210	432933	1.4	9.0792	0.2	4.9375	1.2	0.3251	1.1	0.98	1814.7	17.8	1808.7	9.7	1801.7	4.4	1801.7	4.4
NI12-18-101	82	331708	1.4	8.1882	0.5	6.2607	1.8	0.3718	1.8	0.96	2037.9	30.9	2013.0	16.1	1987.5	9.2	1987.5	9.2
Sample NI12-21, Shumagin Fm (55.093100°,-160.086530°)																		
NI12-21-90	68	3212	2.4	22.5042	51.2	0.0677	51.6	0.0111	7.1	0.14	70.9	5.0	66.6	33.3	-86.4	1333.9	70.9	5.0
NI12-21-22	50	4120	2.0	8.7379	193.8	0.1746	193.9	0.0111	6.3	0.03	70.9	4.4	163.4	301.2	1871.1	210.0	70.9	4.4
NI12-21-37	68	3309	1.4	27.6930	47.9	0.0552	48.1	0.0111	4.3	0.09	71.1	3.0	54.6	25.6	-622.5	1376.1	71.1	3.0
NI12-21-5	109	8062	2.0	21.3237	19.9	0.0719	20.7	0.0111	5.5	0.27	71.3	3.9	70.5	14.1	44.0	480.4	71.3	3.9
NI12-21-30	116	12347	1.6	25.8937	44.8	0.0592	45.0	0.0111	4.3	0.09	71.3	3.0	58.4	25.6	-442.5	1232.6	71.3	3.0
NI12-21-13	145	12020	1.6	20.2646	22.0	0.0760	22.4	0.0112	4.1	0.18	71.6	2.9	74.3	16.0	164.3	519.3	71.6	2.9
NI12-21-20	320	14402	1.7	20.4066	9.8	0.0756	10.2	0.0112	2.8	0.27	71.7	2.0	74.0	7.3	148.0	231.0	71.7	2.0
NI12-21-32	313	14506	1.8	21.0189	7.6	0.0735	7.7	0.0112	1.6	0.20	71.8	1.1	72.0	5.4	78.2	180.2	71.8	1.1
NI12-21-31	249	8533	1.9	22.9268	13.3	0.0675	13.6	0.0112	3.1	0.23	71.9	2.2	66.3	8.8	-132.2	329.6	71.9	2.2
NI12-21-6	112	6931	1.6	17.6791	22.0	0.0877	22.4	0.0112	3.8	0.17	72.1	2.7	85.4	18.3	474.6	492.8	72.1	2.7
NI12-21-91	254	15780	1.7	22.0604	18.2	0.0704	18.3	0.0113	1.7	0.09	72.2	1.2	69.1	12.2	-37.9	444.8	72.2	1.2
NI12-21-97	59	2625	1.5	20.8387	34.2	0.0746	37.4	0.0113	15.1	0.41	72.3	10.9	73.1	26.4	98.7	830.4	72.3	10.9
NI12-21-10	169	7713	1.8	20.4640	17.7	0.0761	17.9	0.0113	2.6	0.15	72.4	1.9	74.5	12.8	141.4	418.2	72.4	1.9
NI12-21-42	272	13721	1.8	20.1683	10.0	0.0772	10.4	0.0113	3.0	0.29	72.4	2.2	75.5	7.6	175.5	232.6	72.4	2.2
NI12-21-8	190	8167	2.0	21.1666	11.9	0.0736	12.1	0.0113	2.1	0.18	72.4	1.5	72.1	8.4	61.6	283.8	72.4	1.5
NI12-21-87	170	7376	2.0	21.5963	16.0	0.0723	16.2	0.0113	2.5	0.16	72.5	1.8	70.8	11.1	13.5	386.4	72.5	1.8
NI12-21-12	319	15166	1.6	21.5483	8.3	0.0730	8.8	0.0114	2.9	0.33	73.1	2.1	71.5	6.1	18.9	199.4	73.1	2.1
NI12-21-7	144	8079	1.5	20.6070	17.3	0.0765	17.7	0.0114	3.6	0.20	73.3	2.6	74.8	12.7	125.0	409.7	73.3	2.6
NI12-21-57	237	23560	1.7	20.6181	8.7	0.0765	8.9	0.0114	1.8	0.20	73.4	1.3	74.9	6.4	123.8	204.9	73.4	1.3
NI12-21-76	91	8068	1.9	20.9031	24.4	0.0756	25.4	0.0115	7.1	0.28	73.5	5.2	74.0	18.2	91.4	586.7	73.5	5.2
NI12-21-67	106	4811	2.2	20.9064	17.7	0.0756	18.4	0.0115	5.1	0.28	73.5	3.7	74.0	13.1	91.0	421.4	73.5	3.7

NI12-21-61	262	14598	2.1	21.4008	5.5	0.0739	6.0	0.0115	2.4	0.40	73.5	1.8	72.4	4.2	35.3	132.2	73.5	1.8
NI12-21-98	256	24421	1.5	19.9996	17.0	0.0792	17.2	0.0115	2.3	0.14	73.6	1.7	77.4	12.8	195.1	397.5	73.6	1.7
NI12-21-29	134	10101	2.0	21.7718	21.9	0.0728	22.1	0.0115	3.0	0.13	73.7	2.2	71.3	15.2	-6.0	533.9	73.7	2.2
NI12-21-47	79	8860	1.8	19.8586	27.2	0.0799	27.9	0.0115	6.2	0.22	73.7	4.6	78.0	21.0	211.5	641.3	73.7	4.6
NI12-21-78	214	10533	1.4	20.2264	15.6	0.0788	15.7	0.0116	2.3	0.15	74.1	1.7	77.1	11.7	168.7	365.3	74.1	1.7
NI12-21-56	87	7123	2.0	22.2390	33.6	0.0720	34.2	0.0116	6.6	0.19	74.5	4.9	70.6	23.4	-57.5	839.0	74.5	4.9
NI12-21-77	402	22830	1.5	19.9645	11.1	0.0803	11.5	0.0116	3.1	0.27	74.5	2.3	78.4	8.7	199.1	258.4	74.5	2.3
NI12-21-49	116	4825	1.7	25.4953	34.7	0.0630	35.0	0.0116	5.0	0.14	74.6	3.7	62.0	21.1	-401.9	927.5	74.6	3.7
NI12-21-97	111	13692	1.8	22.7915	27.7	0.0705	28.1	0.0117	4.6	0.16	74.7	3.4	69.2	18.8	-117.6	694.3	74.7	3.4
NI12-21-62	143	16538	2.0	17.5749	13.1	0.0916	14.4	0.0117	6.0	0.42	74.9	4.5	89.0	12.3	487.7	290.0	74.9	4.5
NI12-21-43	189	7751	2.6	20.5326	11.6	0.0784	11.9	0.0117	2.4	0.20	74.9	1.8	76.7	8.8	133.6	274.0	74.9	1.8
NI12-21-45	202	10727	1.7	22.5140	20.1	0.0718	20.2	0.0117	2.7	0.13	75.1	2.0	70.4	13.8	-87.5	495.9	75.1	2.0
NI12-21-60	711	35814	1.0	21.4663	4.7	0.0754	4.9	0.0117	1.3	0.26	75.2	1.0	73.8	3.5	28.0	113.5	75.2	1.0
NI12-21-94	686	32053	2.6	21.1725	3.3	0.0766	3.9	0.0118	2.1	0.54	75.4	1.6	75.0	2.8	60.9	79.0	75.4	1.6
NI12-21-24	338	20529	2.2	20.2828	6.1	0.0802	7.8	0.0118	4.9	0.63	75.6	3.7	78.3	5.9	162.3	141.8	75.6	3.7
NI12-21-84	668	30617	4.2	21.0393	3.2	0.0778	3.6	0.0119	1.6	0.44	76.1	1.2	76.1	2.6	75.9	76.6	76.1	1.2
NI12-21-18	216	8625	1.8	24.0399	14.2	0.0686	14.3	0.0120	2.1	0.15	76.6	1.6	67.3	9.3	-250.8	359.7	76.6	1.6
NI12-21-85	171	2304	1.3	19.2425	20.0	0.0858	20.6	0.0120	4.9	0.24	76.7	3.7	83.6	16.5	284.0	460.8	76.7	3.7
NI12-21-46	43	1971	1.9	16.9238	39.4	0.0993	40.7	0.0122	10.3	0.25	78.1	8.0	96.1	37.4	570.3	890.6	78.1	8.0
NI12-21-54	79	5650	2.6	23.8187	28.4	0.0742	29.1	0.0128	6.1	0.21	82.1	5.0	72.7	20.4	-227.5	728.1	82.1	5.0
NI12-21-26	264	17038	1.8	20.6332	8.7	0.0868	9.8	0.0130	4.6	0.47	83.2	3.8	84.5	7.9	122.1	204.4	83.2	3.8
NI12-21-28	272	35210	1.5	21.3543	10.2	0.0839	10.5	0.0130	2.6	0.25	83.2	2.2	81.8	8.3	40.5	244.5	83.2	2.2
NI12-21-95	446	12644	1.0	19.3122	10.7	0.0946	11.6	0.0133	4.5	0.39	84.9	3.8	91.8	10.2	275.7	245.8	84.9	3.8
NI12-21-82	165	13019	2.2	21.6933	13.9	0.0889	14.3	0.0140	3.6	0.25	89.5	3.2	86.4	11.9	2.7	335.8	89.5	3.2
NI12-21-89	88	6407	2.0	22.8722	19.9	0.0852	20.4	0.0141	4.4	0.22	90.4	4.0	83.0	16.2	-126.3	494.7	90.4	4.0
NI12-21-15	175	12214	1.8	20.9559	14.6	0.0937	15.0	0.0142	3.2	0.21	91.1	2.9	90.9	13.0	85.4	348.6	91.1	2.9
NI12-21-72	179	25115	2.0	20.6824	14.0	0.0962	14.2	0.0144	2.2	0.15	92.4	2.0	93.3	12.6	116.5	331.3	92.4	2.0
NI12-21-65	228	18202	2.1	20.8100	6.4	0.0961	7.2	0.0145	3.3	0.46	92.8	3.1	93.2	6.4	101.9	151.5	92.8	3.1
NI12-21-40	889	65247	1.6	20.8499	1.7	0.0969	2.3	0.0146	1.5	0.67	93.7	1.4	93.9	2.0	97.4	39.8	93.7	1.4
NI12-21-14	284	14650	1.5	21.5128	5.5	0.0983	6.1	0.0153	2.5	0.41	98.1	2.4	95.2	5.5	22.8	132.6	98.1	2.4
NI12-21-68	199	13209	2.1	21.2649	7.3	0.1057	7.8	0.0163	2.7	0.35	104.2	2.8	102.0	7.6	50.5	175.0	104.2	2.8
NI12-21-35	864	64459	0.7	20.5744	2.6	0.1129	3.0	0.0169	1.5	0.49	107.7	1.6	108.6	3.0	128.8	60.4	107.7	1.6
NI12-21-23	85	9619	1.5	22.4881	23.3	0.1155	23.9	0.0188	5.0	0.21	120.3	6.0	111.0	25.1	-84.7	578.0	120.3	6.0
NI12-21-17	119	15713	1.1	21.5752	6.6	0.1480	7.1	0.0232	2.7	0.38	147.6	3.9	140.1	9.3	15.8	157.6	147.6	3.9
NI12-21-93	64	7815	1.9	24.6686	24.1	0.1306	24.7	0.0234	5.5	0.22	148.9	8.0	124.6	29.0	-316.6	625.0	148.9	8.0
NI12-21-51	82	6996	1.6	21.3627	19.3	0.1509	19.4	0.0234	2.1	0.11	149.0	3.1	142.7	25.8	39.6	465.3	149.0	3.1
NI12-21-52	45	5586	1.6	18.9499	24.5	0.1707	25.6	0.0235	7.5	0.29	149.5	11.1	160.0	38.0	318.9	564.7	149.5	11.1
NI12-21-64	51	4485	2.3	29.6700	55.2	0.1096	55.5	0.0236	5.9	0.11	150.2	8.8	105.6	55.7	-814.8	1681.8	150.2	8.8
NI12-21-11	71	10882	1.5	21.4263	17.7	0.1525	18.6	0.0237	5.7	0.31	151.0	8.5	144.1	24.9	32.4	425.7	151.0	8.5
NI12-21-27	66	8636	1.7	21.9598	21.4	0.1497	21.7	0.0238	4.0	0.18	151.9	6.0	141.7	28.8	-26.8	522.8	151.9	6.0
NI12-21-39	54	5770	2.0	23.5575	27.0	0.1403	27.3	0.0240	4.2	0.15	152.7	6.3	133.3	34.1	-199.8	685.8	152.7	6.3
NI12-21-25	153	19195	2.4	20.5043	7.8	0.1614	8.0	0.0240	1.7	0.21	152.9	2.6	151.9	11.3	136.8	183.7	152.9	2.6
NI12-21-36	88	13620	1.8	19.9578	11.7	0.1660	12.1	0.0240	3.1	0.26	153.1	4.8	155.9	17.6	199.9	273.3	153.1	4.8
NI12-21-86	59	6533	1.4	20.6239	21.0	0.1614	21.3	0.0241	3.8	0.18	153.8	5.8	152.0	30.1	123.1	499.0	153.8	5.8
NI12-21-83	74	11224	1.3	23.6554	8.6	0.1412	10.0	0.0242	5.2	0.52	154.3	7.9	134.1	12.6	-210.2	216.2	154.3	7.9
NI12-21-88	149	9381	1.5	19.2663	7.3	0.1748	7.4	0.0244	1.5	0.20	155.6	2.3	163.6	11.2	281.2	166.3	155.6	2.3
NI12-21-19	44	10249	1.3	17.8903	36.0	0.1892	36.5	0.0245	6.1	0.17	156.3	9.4	175.9	59.1	448.2	825.0	156.3	9.4
NI12-21-38	84	10765	2.0	19.5857	11.7	0.1755	12.2	0.0249	3.6	0.30	158.7	5.7	164.2	18.5	243.5	269.7	158.7	5.7
NI12-21-66	147	11263	6.4	20.2428	10.3	0.1711	11.0	0.0251	3.7	0.34	159.9	5.9	160.4	16.3	166.9	241.1	159.9	5.9
NI12-21-3	68	5856	2.2	21.4787	26.0	0.1621	26.2	0.0252	2.6	0.10	160.7	4.2	152.5	37.1	26.6	633.9	160.7	4.2

NI12-21-70	226	19276	1.6	20.9746	7.3	0.1676	7.5	0.0255	1.7	0.23	162.3	2.7	157.4	10.9	83.2	173.6	162.3	2.7
NI12-21-34	254	23381	1.1	18.9215	6.0	0.1864	6.4	0.0256	2.2	0.34	162.9	3.5	173.6	10.2	322.4	136.1	162.9	3.5
NI12-21-50	46	5764	2.0	19.5626	17.2	0.1831	17.7	0.0260	4.2	0.24	165.3	6.9	170.7	27.8	246.2	398.0	165.3	6.9
NI12-21-21	89	9397	2.7	19.2390	12.7	0.1911	13.3	0.0267	4.0	0.30	169.6	6.8	177.5	21.7	284.4	291.1	169.6	6.8
NI12-21-79	153	20901	1.8	19.7481	6.5	0.1867	6.7	0.0267	1.6	0.25	170.1	2.8	173.8	10.7	224.4	150.1	170.1	2.8
NI12-21-81	61	13200	3.5	20.5222	19.9	0.1825	20.1	0.0272	2.9	0.15	172.8	5.0	170.2	31.5	134.7	471.3	172.8	5.0
NI12-21-71	84	11937	2.7	20.6712	12.0	0.1821	12.2	0.0273	2.4	0.19	173.6	4.1	169.8	19.1	117.7	283.5	173.6	4.1
NI12-21-41	118	8704	1.8	21.3481	15.2	0.1779	15.4	0.0275	2.3	0.15	175.2	4.0	166.3	23.6	41.2	364.9	175.2	4.0
NI12-21-2	157	23240	1.1	20.9768	10.3	0.1815	10.5	0.0276	2.2	0.21	175.6	3.8	169.4	16.4	83.0	245.2	175.6	3.8
NI12-21-1	215	45922	1.7	20.2313	5.2	0.1931	5.6	0.0283	2.0	0.35	180.1	3.5	179.3	9.2	168.2	122.3	180.1	3.5
NI12-21-48	75	7409	3.9	20.3451	12.5	0.1925	12.7	0.0284	2.6	0.20	180.6	4.6	178.8	20.9	155.1	292.7	180.6	4.6
NI12-21-80	57	2298	2.5	18.1934	17.1	0.2183	17.6	0.0288	4.2	0.24	183.1	7.5	200.5	32.1	410.8	386.0	183.1	7.5
NI12-21-55	166	26745	1.5	19.6010	8.6	0.2043	9.0	0.0290	2.5	0.28	184.6	4.6	188.8	15.4	241.7	198.4	184.6	4.6
NI12-21-99	245	33702	1.0	19.8774	4.3	0.2041	4.7	0.0294	1.9	0.41	187.0	3.5	188.6	8.0	209.3	98.8	187.0	3.5
NI12-21-74	238	41113	2.3	19.5262	3.0	0.2108	3.9	0.0299	2.5	0.65	189.6	4.7	194.2	6.9	250.4	68.9	189.6	4.7
NI12-21-69	118	12417	2.7	20.2679	4.7	0.2038	5.2	0.0300	2.2	0.42	190.3	4.1	188.4	8.9	164.0	109.4	190.3	4.1
NI12-21-53	40	4488	1.5	29.8894	53.1	0.1413	53.3	0.0306	4.3	0.08	194.5	8.2	134.2	67.1	-835.8	1615.4	194.5	8.2
NI12-21-96	122	20890	1.6	20.1030	8.9	0.2146	9.0	0.0313	1.5	0.16	198.6	2.9	197.4	16.2	183.0	207.6	198.6	2.9
NI12-21-58	238	16488	2.6	20.7489	4.1	0.2118	5.2	0.0319	3.3	0.63	202.3	6.6	195.1	9.3	108.9	96.4	202.3	6.6
NI12-21-100	270	25007	0.7	20.3698	4.2	0.2436	4.5	0.0360	1.5	0.33	227.9	3.4	221.3	9.0	152.3	99.4	227.9	3.4
NI12-21-44	620	105706	0.7	19.2848	1.4	0.2968	1.8	0.0415	1.0	0.57	262.2	2.5	263.9	4.1	279.0	33.2	262.2	2.5
NI12-21-33	110	26500	1.7	20.3642	6.6	0.2916	6.8	0.0431	1.6	0.24	271.8	4.3	259.8	15.7	152.9	155.7	271.8	4.3
NI12-21-4	290	17114	0.9	18.7875	2.4	0.3193	4.5	0.0435	3.8	0.85	274.5	10.3	281.3	11.0	338.5	53.3	274.5	10.3
NI12-21-59	63	13326	2.8	20.5681	10.0	0.2935	10.5	0.0438	3.0	0.29	276.2	8.1	261.3	24.2	129.5	236.8	276.2	8.1
NI12-21-92	207	43630	1.0	19.0649	3.0	0.3881	3.1	0.0537	0.7	0.23	337.0	2.3	333.0	8.8	305.2	68.9	337.0	2.3
NI12-21-75	146	65642	1.7	8.8259	0.4	4.9746	3.5	0.3184	3.5	0.99	1782.0	54.3	1815.0	29.6	1853.0	6.5	1853.0	6.5
Sample NI12-23, Shumagin Fm (55.228080°,-159.921130°)																		
NI12-23B-74	139	2640	2.7	22.4518	24.4	0.0678	25.5	0.0110	7.3	0.29	70.8	5.2	66.6	16.4	-80.7	604.7	70.8	5.2
NI12-23-18	129	4174	2.9	22.7832	30.3	0.0681	31.3	0.0112	7.5	0.24	72.1	5.4	66.9	20.2	-116.7	763.0	72.1	5.4
NI12-23-34	62	3436	2.6	24.8436	122.2	0.0633	122.5	0.0114	8.6	0.07	73.1	6.3	62.4	74.2	-334.8	1547.6	73.1	6.3
NI12-23-7	110	7258	2.0	25.8178	43.5	0.0610	43.6	0.0114	3.5	0.08	73.2	2.5	60.1	25.4	-434.8	1189.6	73.2	2.5
NI12-23B-07	113	3727	2.4	22.0640	23.8	0.0718	24.4	0.0115	5.6	0.23	73.7	4.1	70.5	16.6	-38.3	583.7	73.7	4.1
NI12-23-98	165	7508	2.5	23.1448	17.1	0.0685	17.5	0.0115	3.8	0.22	73.7	2.8	67.3	11.4	-155.7	427.9	73.7	2.8
NI12-23B-78	213	4410	2.4	23.2933	14.9	0.0682	16.4	0.0115	6.8	0.42	73.8	5.0	66.9	10.6	-171.6	372.8	73.8	5.0
NI12-23-109	121	3739	2.8	16.6471	18.6	0.0955	18.9	0.0115	3.6	0.19	73.9	2.6	92.6	16.7	606.1	404.5	73.9	2.6
NI12-23-59	431	16544	3.2	22.4650	13.8	0.0708	14.0	0.0115	2.5	0.18	73.9	1.8	69.4	9.4	-82.2	339.1	73.9	1.8
NI12-23A-110	292	2014	2.1	19.2462	13.8	0.0827	14.9	0.0115	5.6	0.37	74.0	4.1	80.6	11.5	283.6	316.5	74.0	4.1
NI12-23B-41	127	934	1.8	19.3370	37.7	0.0828	38.4	0.0116	7.5	0.19	74.4	5.5	80.8	29.8	272.8	892.4	74.4	5.5
NI12-23-50	132	6375	2.8	24.5347	29.4	0.0653	29.6	0.0116	3.8	0.13	74.5	2.8	64.3	18.4	-302.7	764.5	74.5	2.8
NI12-23-104	146	6294	2.2	22.3118	17.6	0.0719	17.9	0.0116	3.5	0.20	74.6	2.6	70.5	12.2	-65.4	431.2	74.6	2.6
NI12-23-27	243	414	2.6	18.2759	16.1	0.0879	16.2	0.0117	1.9	0.11	74.7	1.4	85.6	13.3	400.6	362.1	74.7	1.4
NI12-23A-122	113	2636	1.7	17.9657	164.6	0.0895	164.7	0.0117	5.6	0.03	74.7	4.2	87.0	138.3	438.9	1210.2	74.7	4.2
NI12-23-39	47	1069	1.8	53.4330	72.6	0.0302	72.9	0.0117	6.8	0.09	75.0	5.1	30.2	21.7	NA	NA	75.0	5.1
NI12-23-72	69	3033	2.5	22.8994	31.0	0.0707	31.9	0.0117	7.9	0.25	75.2	5.9	69.3	21.4	-129.3	780.9	75.2	5.9
NI12-23-92	90	6311	2.9	22.7183	23.7	0.0712	24.9	0.0117	7.7	0.31	75.2	5.7	69.9	16.8	-109.7	590.3	75.2	5.7
NI12-23A-255	79	5717	2.5	21.6212	52.8	0.0749	53.3	0.0117	7.0	0.13	75.3	5.3	73.3	37.7	10.7	1360.2	75.3	5.3
NI12-23-38	208	1516	1.4	17.6276	13.4	0.0931	14.1	0.0119	4.4	0.31	76.3	3.4	90.4	12.2	481.0	297.8	76.3	3.4
NI12-23-75	302	5788	3.0	20.2560	11.3	0.0811	11.5	0.0119	2.5	0.21	76.3	1.9	79.2	8.8	165.3	264.4	76.3	1.9
NI12-23A-282	149	3324	2.0	21.9971	20.7	0.0748	21.9	0.0119	7.3	0.33	76.5	5.6	73.3	15.5	-30.9	505.7	76.5	5.6

NI12-23-56	111	2344	2.6	26.4382	60.6	0.0622	61.0	0.0119	6.6	0.11	76.5	5.0	61.3	36.3	-497.5	1761.7	76.5	5.0
NI12-23-53	80	4716	2.4	22.3633	66.3	0.0741	66.9	0.0120	8.7	0.13	77.0	6.7	72.6	46.9	-71.1	1822.6	77.0	6.7
NI12-23B-105	65	1629	1.5	20.0066	30.0	0.0829	31.5	0.0120	9.4	0.30	77.1	7.2	80.9	24.5	194.3	712.6	77.1	7.2
NI12-23-57	71	6239	1.8	7.0002	301.7	0.2372	301.8	0.0120	9.1	0.03	77.2	7.0	216.2	670.7	2262.1	332.2	77.2	7.0
NI12-23A-330	175	3040	2.2	15.2348	19.7	0.1093	21.5	0.0121	8.6	0.40	77.4	6.6	105.3	21.5	794.9	416.2	77.4	6.6
NI12-23-65	150	6958	2.3	18.3286	14.9	0.0945	15.2	0.0126	2.6	0.17	80.5	2.0	91.7	13.3	394.2	336.9	80.5	2.0
NI12-23-49	209	9849	1.5	22.4701	9.6	0.0774	9.8	0.0126	2.0	0.21	80.8	1.6	75.7	7.1	-82.7	234.5	80.8	1.6
NI12-23-12	48	2199	2.6	61.8978	132.6	0.0283	133.0	0.0127	10.0	0.08	81.5	8.1	28.4	37.2	NA	NA	81.5	8.1
NI12-23-74	811	28755	3.2	21.0564	4.4	0.0858	4.6	0.0131	1.4	0.29	83.9	1.1	83.6	3.7	74.0	105.1	83.9	1.1
NI12-23-4	228	19776	3.3	21.9494	14.3	0.0827	14.5	0.0132	2.1	0.14	84.3	1.7	80.6	11.2	-25.6	348.1	84.3	1.7
NI12-23B-08	229	4606	3.1	21.0267	20.0	0.0864	20.4	0.0132	4.2	0.20	84.4	3.5	84.2	16.5	77.3	478.5	84.4	3.5
NI12-23B-88	86	3722	1.6	29.1031	29.3	0.0635	29.7	0.0134	4.8	0.16	85.8	4.1	62.5	18.0	-760.2	838.6	85.8	4.1
NI12-23-84	68	2629	2.5	25.8792	41.9	0.0723	42.9	0.0136	9.5	0.22	86.9	8.2	70.9	29.4	-441.0	1143.4	86.9	8.2
NI12-23-62	99	12478	2.2	21.0523	25.7	0.0896	26.2	0.0137	5.2	0.20	87.6	4.5	87.1	21.9	74.5	618.9	87.6	4.5
NI12-23-37	322	25992	4.7	20.8195	11.5	0.0908	12.0	0.0137	3.2	0.27	87.8	2.8	88.3	10.1	100.8	273.6	87.8	2.8
NI12-23-58	1154	49771	4.6	20.9278	2.0	0.0908	3.6	0.0138	3.0	0.83	88.2	2.6	88.2	3.0	88.6	47.3	88.2	2.6
NI12-23-13	368	20141	1.8	21.1229	9.0	0.0903	9.2	0.0138	1.5	0.17	88.6	1.3	87.8	7.7	66.5	215.3	88.6	1.3
NI12-23-33	447	46218	1.0	20.8067	6.7	0.0918	6.8	0.0139	1.0	0.15	88.7	0.9	89.2	5.8	102.3	159.7	88.7	0.9
NI12-23A-392	140	6919	3.1	23.5944	26.5	0.0814	26.7	0.0139	3.4	0.13	89.2	3.0	79.5	20.4	-203.7	674.8	89.2	3.0
NI12-23-93	132	12365	3.3	22.7875	20.7	0.0855	22.0	0.0141	7.3	0.33	90.5	6.6	83.3	17.6	-117.2	515.2	90.5	6.6
NI12-23-99	183	11562	3.2	21.4471	16.2	0.0909	16.7	0.0141	4.2	0.25	90.5	3.8	88.3	14.2	30.1	390.8	90.5	3.8
NI12-23-68	76	11435	1.8	25.8830	25.0	0.0763	25.2	0.0143	3.0	0.12	91.6	2.7	74.6	18.1	-441.4	665.5	91.6	2.7
NI12-23-22	219	11578	2.4	23.1826	14.4	0.0852	14.7	0.0143	2.9	0.20	91.7	2.6	83.0	11.7	-159.7	360.3	91.7	2.6
NI12-23-20	156	7233	1.7	24.8087	20.9	0.0796	21.2	0.0143	3.5	0.16	91.7	3.2	77.8	15.9	-331.1	543.6	91.7	3.2
NI12-23-23	122	4653	2.4	27.3272	15.4	0.0724	15.9	0.0143	3.9	0.24	91.8	3.5	71.0	10.9	-586.4	418.9	91.8	3.5
NI12-23-51	179	9422	1.6	23.1655	17.7	0.0856	18.2	0.0144	4.0	0.22	92.1	3.6	83.4	14.5	-157.9	443.4	92.1	3.6
NI12-23B-87	129	8038	3.0	21.8498	26.3	0.0923	26.5	0.0146	3.8	0.14	93.6	3.5	89.6	22.8	-14.6	644.3	93.6	3.5
NI12-23-110	281	14699	2.2	21.3260	7.7	0.0952	8.1	0.0147	2.3	0.29	94.3	2.2	92.4	7.1	43.7	185.2	94.3	2.2
NI12-23-54	58	4740	2.5	20.7142	50.8	0.0985	51.6	0.0148	9.3	0.18	94.7	8.8	95.4	47.0	112.8	1275.1	94.7	8.8
NI12-23-80	145	7811	2.7	24.2829	14.9	0.0845	15.1	0.0149	2.7	0.18	95.3	2.6	82.4	12.0	-276.3	380.7	95.3	2.6
NI12-23-42	304	4847	1.6	20.3917	5.4	0.1007	5.6	0.0149	1.5	0.27	95.3	1.4	97.4	5.2	149.7	127.2	95.3	1.4
NI12-23B-51	109	3261	1.9	17.7880	20.4	0.1160	20.8	0.0150	4.3	0.20	95.8	4.0	111.5	22.0	460.9	456.2	95.8	4.0
NI12-23-31	98	4564	2.0	20.8882	13.0	0.0990	13.3	0.0150	3.0	0.23	96.0	2.9	95.9	12.2	93.0	308.2	96.0	2.9
NI12-23-52	218	9934	3.4	21.1685	11.9	0.0997	12.0	0.0153	1.8	0.15	97.9	1.8	96.5	11.0	61.4	283.4	97.9	1.8
NI12-23-14	183	12032	2.8	19.8610	12.5	0.1072	12.9	0.0154	3.2	0.25	98.8	3.1	103.4	12.7	211.2	291.6	98.8	3.1
NI12-23A-43	148	4255	3.2	20.7303	28.5	0.1040	28.8	0.0156	4.4	0.15	100.0	4.3	100.4	27.6	111.0	684.9	100.0	4.3
NI12-23-89	768	9901	2.5	20.3557	3.6	0.1070	4.0	0.0158	1.7	0.43	101.0	1.7	103.2	3.9	153.8	84.9	101.0	1.7
NI12-23-101	127	10128	2.7	23.3820	10.2	0.0937	10.7	0.0159	3.3	0.31	101.6	3.4	90.9	9.3	-181.1	255.0	101.6	3.4
NI12-23-47	380	33101	1.4	21.0617	8.4	0.1143	8.5	0.0175	1.3	0.16	111.5	1.5	109.9	8.8	73.4	199.9	111.5	1.5
NI12-23B-101	66	4523	3.2	26.3955	43.4	0.1040	43.9	0.0199	6.4	0.15	127.1	8.0	100.5	42.0	-493.2	1203.1	127.1	8.0
NI12-23B-103	85	3849	1.6	21.3873	32.9	0.1337	33.0	0.0207	2.4	0.07	132.4	3.2	127.5	39.6	36.8	807.4	132.4	3.2
NI12-23B-32	90	6458	4.0	18.4803	18.4	0.1560	19.1	0.0209	5.3	0.28	133.4	6.9	147.2	26.2	375.7	417.0	133.4	6.9
NI12-23B-100	35	2090	1.8	17.5589	34.8	0.1783	35.6	0.0227	7.8	0.22	144.7	11.1	166.6	54.8	489.7	789.7	144.7	11.1
NI12-23B-03	182	10824	1.7	21.2836	7.9	0.1502	9.1	0.0232	4.5	0.49	147.8	6.6	142.1	12.0	48.4	188.5	147.8	6.6
NI12-23-67	55	5174	2.1	18.1649	21.1	0.1795	22.1	0.0236	6.6	0.30	150.7	9.9	167.6	34.2	414.3	476.5	150.7	9.9
NI12-23-71	141	17717	2.5	20.9474	6.2	0.1557	6.6	0.0237	2.0	0.31	150.7	3.0	146.9	9.0	86.4	148.2	150.7	3.0
NI12-23-30	147	22573	2.8	20.2181	13.0	0.1617	13.3	0.0237	3.2	0.24	151.1	4.7	152.2	18.9	169.7	303.8	151.1	4.7
NI12-23-36	126	17817	1.3	20.6204	8.3	0.1592	8.9	0.0238	3.0	0.34	151.7	4.5	150.0	12.4	123.5	196.5	151.7	4.5
NI12-23-105	61	5582	3.1	24.8649	15.8	0.1321	16.8	0.0238	5.5	0.33	151.8	8.2	126.0	19.9	-337.0	409.9	151.8	8.2
NI12-23-6	176	14606	1.7	21.4368	10.7	0.1537	10.8	0.0239	1.7	0.16	152.2	2.6	145.2	14.7	31.3	257.1	152.2	2.6

NI12-23-46	32	2102	1.6	20.3762	37.2	0.1636	38.2	0.0242	8.6	0.23	154.0	13.1	153.8	54.5	151.5	898.9	154.0	13.1
NI12-23-63	46	4252	2.6	19.9305	34.7	0.1676	36.0	0.0242	9.3	0.26	154.3	14.2	157.4	52.5	203.1	828.9	154.3	14.2
NI12-23-32	92	17774	3.1	18.8430	12.0	0.1787	12.6	0.0244	3.9	0.31	155.5	6.0	166.9	19.4	331.8	272.1	155.5	6.0
NI12-23-11	28	3031	2.4	16.2421	42.0	0.2075	43.1	0.0244	9.6	0.22	155.6	14.7	191.4	75.3	659.2	940.5	155.6	14.7
NI12-23-19	62	6618	6.2	30.4214	36.5	0.1109	37.6	0.0245	9.2	0.24	155.9	14.1	106.8	38.2	-886.5	1083.8	155.9	14.1
NI12-23B-40	124	5786	3.1	22.7082	27.6	0.1489	28.2	0.0245	5.6	0.20	156.2	8.7	141.0	37.1	-108.6	690.9	156.2	8.7
NI12-23-100	71	2899	1.7	23.8094	19.7	0.1439	20.5	0.0248	5.7	0.28	158.2	8.9	136.5	26.1	-226.5	499.2	158.2	8.9
NI12-23-26	92	11637	6.6	23.6809	15.3	0.1448	16.6	0.0249	6.5	0.39	158.3	10.1	137.3	21.4	-212.9	386.6	158.3	10.1
NI12-23-82	32	2018	1.6	44.5748	91.3	0.0771	91.6	0.0249	7.5	0.08	158.7	11.7	75.4	66.7	NA	NA	158.7	11.7
NI12-23-60	388	27648	13.1	20.5541	2.0	0.1672	2.4	0.0249	1.4	0.57	158.7	2.1	157.0	3.5	131.1	45.9	158.7	2.1
NI12-23-96	50	5274	2.9	21.2974	30.3	0.1620	30.9	0.0250	6.4	0.21	159.3	10.1	152.4	43.8	46.9	737.5	159.3	10.1
NI12-23A-357	63	7418	3.6	25.6315	35.7	0.1346	35.9	0.0250	4.0	0.11	159.3	6.4	128.2	43.3	-415.8	958.3	159.3	6.4
NI12-23-1	39	1871	3.2	18.8417	23.2	0.1838	23.9	0.0251	5.5	0.23	159.9	8.7	171.3	37.7	331.9	533.6	159.9	8.7
NI12-23-81	18	3093	2.6	22.9073	61.0	0.1514	61.9	0.0251	10.4	0.17	160.1	16.5	143.1	82.8	-130.1	1655.5	160.1	16.5
NI12-23-95	56	5286	2.4	18.5548	14.0	0.1872	15.4	0.0252	6.5	0.42	160.4	10.3	174.2	24.7	366.6	316.4	160.4	10.3
NI12-23A-85	70	2641	2.3	23.2736	41.6	0.1495	41.9	0.0252	5.3	0.13	160.6	8.4	141.4	55.4	-169.5	1076.4	160.6	8.4
NI12-23-87	111	14424	3.4	21.6283	14.6	0.1616	14.8	0.0253	2.5	0.17	161.3	4.0	152.1	20.9	10.0	352.2	161.3	4.0
NI12-23-102	59	9686	1.5	18.9686	10.7	0.1846	11.0	0.0254	2.4	0.22	161.7	3.8	172.0	17.4	316.7	245.0	161.7	3.8
NI12-23-83	120	14309	3.7	19.4558	14.9	0.1804	15.1	0.0255	2.1	0.14	162.0	3.4	168.4	23.4	258.8	344.3	162.0	3.4
NI12-23A-210	60	3935	1.8	15.9631	26.3	0.2198	28.2	0.0255	10.2	0.36	162.0	16.3	201.8	51.6	696.2	569.0	162.0	16.3
NI12-23-15	72	7937	1.3	25.1051	14.4	0.1404	15.1	0.0256	4.6	0.30	162.7	7.4	133.4	18.9	-361.8	374.0	162.7	7.4
NI12-23-41	148	27870	101.6	19.7583	14.8	0.1784	14.8	0.0256	1.4	0.09	162.8	2.2	166.7	22.8	223.2	343.1	162.8	2.2
NI12-23-9	43	3633	1.6	32.8184	67.1	0.1075	67.2	0.0256	4.7	0.07	162.9	7.5	103.7	66.4	-1111.3	2270.4	162.9	7.5
NI12-23B-80	137	15293	4.3	19.8351	14.0	0.1781	14.5	0.0256	3.6	0.25	163.1	5.8	166.4	22.2	214.2	325.4	163.1	5.8
NI12-23-91	59	4163	1.7	20.3575	17.9	0.1760	18.5	0.0260	4.6	0.25	165.4	7.5	164.6	28.1	153.7	421.5	165.4	7.5
NI12-23-29	277	30865	2.0	19.9560	6.1	0.1813	6.3	0.0262	1.5	0.24	166.9	2.5	169.1	9.8	200.1	141.6	166.9	2.5
NI12-23-97	167	14825	6.5	20.0447	7.6	0.1807	7.9	0.0263	2.3	0.30	167.2	3.9	168.7	12.3	189.8	176.2	167.2	3.9
NI12-23-40	22	2128	3.4	34.8609	68.5	0.1039	69.0	0.0263	8.0	0.12	167.2	13.3	100.4	66.0	-1298.7	723.4	167.2	13.3
NI12-23-2	137	16463	3.8	21.1766	11.4	0.1713	11.6	0.0263	2.1	0.18	167.4	3.4	160.5	17.3	60.4	273.6	167.4	3.4
NI12-23B-31	41	1514	3.2	27.9387	69.9	0.1299	70.2	0.0263	6.4	0.09	167.5	10.5	124.0	82.1	-646.7	2176.0	167.5	10.5
NI12-23A-176	145	6391	2.0	19.8676	8.2	0.1840	8.6	0.0265	2.5	0.29	168.7	4.2	171.5	13.6	210.4	191.0	168.7	4.2
NI12-23-16	25	3485	2.5	9.1732	222.7	0.3985	222.9	0.0265	10.0	0.05	168.7	16.7	340.6	761.5	1783.0	404.0	168.7	16.7
NI12-23A-341	78	6053	2.6	20.7432	14.0	0.1768	14.6	0.0266	4.2	0.29	169.2	7.1	165.3	22.3	109.5	331.5	169.2	7.1
NI12-23B-14	125	8922	1.5	18.4996	7.2	0.1998	8.4	0.0268	4.3	0.51	170.5	7.2	184.9	14.2	373.3	163.0	170.5	7.2
NI12-23B-60	244	8504	6.9	17.4647	13.1	0.2116	14.0	0.0268	4.8	0.35	170.5	8.1	194.9	24.8	501.5	289.2	170.5	8.1
NI12-23B-06	42	3465	3.0	15.6240	41.5	0.2366	42.2	0.0268	7.6	0.18	170.5	12.8	215.6	82.2	741.7	917.4	170.5	12.8
NI12-23-48	138	12700	2.5	22.2314	10.4	0.1665	10.4	0.0269	1.3	0.12	170.8	2.1	156.4	15.1	-56.6	253.1	170.8	2.1
NI12-23B-99	154	10413	1.4	21.5720	16.8	0.1717	17.4	0.0269	4.5	0.26	170.9	7.6	160.9	25.9	16.2	407.0	170.9	7.6
NI12-23-17	89	2688	2.9	18.4041	9.8	0.2021	10.3	0.0270	3.2	0.31	171.6	5.4	186.9	17.6	385.0	221.5	171.6	5.4
NI12-23-73	31	3352	3.0	26.3679	69.3	0.1413	69.5	0.0270	5.2	0.07	171.9	8.7	134.2	87.6	-490.5	2088.9	171.9	8.7
NI12-23B-59	119	14702	4.1	20.8803	15.9	0.1794	16.0	0.0272	1.9	0.12	172.8	3.2	167.5	24.8	93.9	379.2	172.8	3.2
NI12-23A-109	80	1776	1.7	19.8800	30.6	0.1889	31.0	0.0272	4.6	0.15	173.2	7.9	175.7	50.0	208.9	725.1	173.2	7.9
NI12-23-78	57	8098	1.9	21.6483	25.9	0.1736	26.5	0.0272	6.0	0.23	173.3	10.2	162.5	39.9	7.7	631.4	173.3	10.2
NI12-23-85	135	13819	2.4	19.8133	10.7	0.1899	10.9	0.0273	1.9	0.18	173.5	3.3	176.5	17.7	216.8	248.8	173.5	3.3
NI12-23-21	37	3700	4.0	26.0090	35.7	0.1447	35.9	0.0273	3.5	0.10	173.6	6.0	137.3	46.1	-454.2	967.2	173.6	6.0
NI12-23-35	172	12148	1.5	21.1508	8.5	0.1780	8.6	0.0273	1.4	0.17	173.7	2.5	166.3	13.2	63.4	202.5	173.7	2.5
NI12-23B-02	120	22243	3.0	23.9047	11.2	0.1578	11.3	0.0274	1.5	0.13	174.0	2.6	148.8	15.6	-236.6	282.7	174.0	2.6
NI12-23-79	252	26818	3.5	20.0148	4.1	0.1890	4.3	0.0274	1.2	0.28	174.4	2.1	175.7	6.9	193.3	95.4	174.4	2.1
NI12-23A-289	131	8782	3.2	20.4456	15.7	0.1856	15.9	0.0275	2.7	0.17	175.0	4.6	172.8	25.3	143.5	370.0	175.0	4.6
NI12-23-25	201	29395	3.1	21.1084	5.3	0.1811	5.5	0.0277	1.7	0.30	176.3	2.9	169.0	8.6	68.1	125.6	176.3	2.9

NI12-23B-12	61	5205	2.4	17.7905	14.8	0.2158	21.4	0.0278	15.5	0.73	177.0	27.2	198.4	38.7	460.6	329.1	177.0	27.2
NI12-23B-15	114	8600	2.4	18.4552	9.3	0.2083	9.9	0.0279	3.3	0.34	177.2	5.8	192.1	17.4	378.7	210.6	177.2	5.8
NI12-23-94	56	9656	1.7	20.7850	21.5	0.1853	21.9	0.0279	4.1	0.19	177.6	7.1	172.6	34.8	104.8	514.1	177.6	7.1
NI12-23B-66	86	9938	2.4	20.1684	21.6	0.1923	21.9	0.0281	3.2	0.15	178.8	5.6	178.6	35.8	175.4	509.7	178.8	5.6
NI12-23-69	201	11883	3.1	18.8821	4.5	0.2076	4.7	0.0284	1.6	0.33	180.7	2.8	191.5	8.3	327.1	101.6	180.7	2.8
NI12-23-88	124	6850	2.0	19.6818	6.5	0.1995	6.7	0.0285	1.8	0.27	181.0	3.2	184.7	11.3	232.1	149.1	181.0	3.2
NI12-23-8	313	57824	2.2	20.1042	4.0	0.1967	4.7	0.0287	2.4	0.50	182.2	4.2	182.3	7.8	182.9	94.3	182.2	4.2
NI12-23-108	170	20642	1.5	19.7659	3.0	0.2002	4.2	0.0287	2.9	0.69	182.4	5.1	185.3	7.0	222.3	69.9	182.4	5.1
NI12-23-64	141	9931	3.0	21.1883	12.2	0.1869	12.6	0.0287	3.3	0.26	182.6	5.9	174.0	20.2	59.2	291.4	182.6	5.9
NI12-23B-34	92	7564	3.2	19.8715	21.9	0.1995	23.8	0.0288	9.5	0.40	182.7	17.1	184.7	40.3	209.9	512.5	182.7	17.1
NI12-23-45	34	5741	1.5	21.9990	26.7	0.1879	27.1	0.0300	4.6	0.17	190.4	8.6	174.8	43.6	-31.1	658.2	190.4	8.6
NI12-23-10	177	15000	2.9	20.8907	6.4	0.1989	6.6	0.0301	1.7	0.26	191.4	3.2	184.2	11.1	92.8	151.5	191.4	3.2
NI12-23-86	46	11684	2.7	19.7532	24.8	0.2104	25.1	0.0301	3.6	0.14	191.4	6.8	193.9	44.2	223.8	581.0	191.4	6.8
NI12-23A-119	115	6136	2.5	18.3527	19.8	0.2285	20.0	0.0304	2.1	0.10	193.1	4.0	208.9	37.7	391.2	449.3	193.1	4.0
NI12-23-44	767	158777	1.2	19.8298	1.5	0.2117	1.9	0.0305	1.1	0.61	193.4	2.2	195.0	3.3	214.8	34.3	193.4	2.2
NI12-23-2	246	31983	2.0	20.8399	7.9	0.2063	8.0	0.0312	1.6	0.20	197.9	3.1	190.5	13.9	98.5	186.2	197.9	3.1
NI12-23-77	84	11536	1.9	19.6306	12.3	0.2210	12.7	0.0315	3.2	0.25	199.7	6.3	202.7	23.4	238.1	284.7	199.7	6.3
NI12-23-43	230	30182	2.1	21.2994	5.3	0.2049	5.4	0.0317	1.1	0.20	200.9	2.1	189.3	9.4	46.7	127.6	200.9	2.1
NI12-23-61	128	24604	3.5	20.4538	10.2	0.2162	10.4	0.0321	2.0	0.19	203.5	4.0	198.7	18.8	142.6	240.2	203.5	4.0
NI12-23-24	254	23099	2.7	12.3410	2.4	0.6079	6.3	0.0544	5.9	0.92	341.6	19.5	482.3	24.3	1222.2	47.5	341.6	19.5
NI12-23-55	297	24903	1.6	18.7904	2.3	0.4020	2.7	0.0548	1.3	0.48	343.9	4.3	343.1	7.8	338.1	53.1	343.9	4.3
NI12-23B-27	97	53327	3.1	18.5076	7.7	0.4231	8.2	0.0568	3.0	0.36	356.1	10.2	358.3	24.9	372.4	173.3	356.1	10.2
NI12-23-4	203	30988	0.7	18.4110	2.3	0.4956	3.6	0.0662	2.7	0.76	413.1	10.8	408.7	12.0	384.1	52.4	413.1	10.8
NI12-23-107	245	12729	0.8	8.5146	0.3	5.1250	3.1	0.3165	3.1	1.00	1772.6	48.5	1840.3	26.7	1917.7	5.0	1917.7	5.0
NI12-23-106	133	318792	1.2	7.7501	0.9	6.5162	4.1	0.3663	4.0	0.98	2011.8	68.9	2048.1	36.0	2084.8	16.0	2084.8	16.0
Sample NI12-24, Shumagin Fm (55.206500°, -159.964460°)																		
NI12-24-7	52	2321	1.7	25.7956	85.8	0.0586	86.2	0.0110	8.7	0.10	70.3	6.0	57.8	48.5	-432.5	2885.7	70.3	6.0
NI12-24-2	281	9546	1.4	24.6028	10.6	0.0634	11.0	0.0113	3.0	0.27	72.5	2.2	62.4	6.6	-309.8	271.0	72.5	2.2
NI12-24-34	211	6360	2.0	22.0585	14.7	0.0711	15.0	0.0114	2.9	0.20	72.9	2.1	69.8	10.1	-37.7	358.5	72.9	2.1
NI12-24-101	76	5259	2.0	19.8096	59.3	0.0797	59.7	0.0115	7.5	0.12	73.4	5.4	77.9	44.8	217.2	1503.5	73.4	5.4
NI12-24-80	107	7314	1.6	28.2382	37.0	0.0563	37.5	0.0115	5.9	0.16	74.0	4.3	55.7	20.3	-676.1	1053.0	74.0	4.3
NI12-24-15	306	8526	2.2	19.7004	9.0	0.0812	10.4	0.0116	5.3	0.51	74.3	3.9	79.3	7.9	229.9	208.0	74.3	3.9
NI12-24-46	174	7066	1.5	20.6659	18.8	0.0774	19.1	0.0116	3.3	0.18	74.4	2.5	75.7	13.9	118.3	445.8	74.4	2.5
NI12-24-70	125	6461	1.4	19.6131	22.4	0.0821	22.8	0.0117	4.4	0.19	74.8	3.2	80.1	17.6	240.2	522.0	74.8	3.2
NI12-24-69	235	20207	2.1	20.2530	10.8	0.0798	10.9	0.0117	1.3	0.12	75.2	0.9	78.0	8.2	165.7	252.9	75.2	0.9
NI12-24-29	290	9391	1.7	20.1913	5.7	0.0810	6.3	0.0119	2.8	0.44	76.0	2.1	79.1	4.8	172.8	132.4	76.0	2.1
NI12-24-32	406	9025	2.2	20.5050	6.9	0.0834	9.4	0.0124	6.4	0.68	79.4	5.1	81.3	7.4	136.7	162.9	79.4	5.1
NI12-24-41	92	6018	1.8	22.8580	24.8	0.0769	25.6	0.0127	6.2	0.24	81.7	5.1	75.2	18.5	-124.8	620.5	81.7	5.1
NI12-24-83	157	9197	2.0	20.8864	18.0	0.0870	18.2	0.0132	2.8	0.15	84.4	2.3	84.7	14.8	93.2	429.5	84.4	2.3
NI12-24-71	75	5631	1.4	22.2108	19.5	0.0820	20.5	0.0132	6.3	0.31	84.5	5.3	80.0	15.8	-54.4	479.8	84.5	5.3
NI12-24-38	123	6938	1.7	19.7184	16.3	0.0928	16.6	0.0133	3.2	0.19	85.0	2.7	90.1	14.3	227.8	378.5	85.0	2.7
NI12-24-3	115	10727	1.3	24.5015	26.6	0.0755	27.1	0.0134	5.1	0.19	85.9	4.4	73.9	19.3	-299.2	690.0	85.9	4.4
NI12-24-63	621	29648	3.0	21.0901	2.2	0.0884	2.7	0.0135	1.4	0.54	86.5	1.2	86.0	2.2	70.2	53.5	86.5	1.2
NI12-24-4	156	9002	1.4	23.7013	13.1	0.0790	13.4	0.0136	2.9	0.21	86.9	2.5	77.2	10.0	-215.1	330.6	86.9	2.5
NI12-24-30	62	5913	2.3	22.2596	48.9	0.0856	49.4	0.0138	6.7	0.14	88.4	5.9	83.4	39.5	-59.7	1261.0	88.4	5.9
NI12-24-12	69	3985	1.8	19.3543	30.2	0.0997	30.9	0.0140	6.3	0.21	89.6	5.6	96.5	28.4	270.7	706.7	89.6	5.6
NI12-24-65	125	6143	1.6	22.7978	21.6	0.0849	22.4	0.0140	6.0	0.27	89.9	5.4	82.7	17.8	-118.3	537.4	89.9	5.4
NI12-24-14	117	4102	1.4	19.0465	18.3	0.1024	18.6	0.0142	3.4	0.19	90.6	3.1	99.0	17.5	307.4	419.0	90.6	3.1
NI12-24-44	76	4477	3.3	21.3089	40.7	0.0917	41.2	0.0142	6.2	0.15	90.8	5.5	89.1	35.2	45.6	1011.0	90.8	5.5

NI12-24-84	59	3362	2.7	30.3727	56.9	0.0649	57.2	0.0143	5.7	0.10	91.4	5.2	63.8	35.4	-881.9	1766.8	91.4	5.2
NI12-24-21	236	10291	3.0	19.5309	8.8	0.1047	9.2	0.0148	2.7	0.29	94.9	2.5	101.1	8.9	249.9	202.7	94.9	2.5
NI12-24-60	113	11548	2.8	23.7302	23.9	0.0869	24.2	0.0150	3.5	0.15	95.7	3.3	84.6	19.6	-218.1	608.6	95.7	3.3
NI12-24-96	47	3165	2.0	18.5886	35.8	0.1114	38.1	0.0150	13.1	0.34	96.1	12.5	107.2	38.8	362.5	831.4	96.1	12.5
NI12-24-98	129	4776	1.3	20.8501	14.5	0.1022	14.8	0.0155	2.7	0.18	98.9	2.7	98.8	13.9	97.3	345.3	98.9	2.7
NI12-24-74	117	10509	1.6	21.5200	27.9	0.0994	28.4	0.0155	5.2	0.18	99.2	5.1	96.2	26.1	22.0	682.3	99.2	5.1
NI12-24-100	293	26945	2.2	20.6857	6.4	0.1047	6.7	0.0157	2.0	0.30	100.5	2.0	101.1	6.5	116.1	151.7	100.5	2.0
NI12-24-22	57	4370	2.4	20.2781	37.4	0.1072	38.0	0.0158	6.6	0.17	100.9	6.6	103.4	37.4	162.8	902.8	100.9	6.6
NI12-24-42	98	10739	1.3	22.9567	17.9	0.0951	18.1	0.0158	3.2	0.18	101.3	3.2	92.2	16.0	-135.5	444.6	101.3	3.2
NI12-24-85	178	4586	2.2	21.7240	32.4	0.1006	32.9	0.0158	5.3	0.16	101.3	5.3	97.3	30.5	-0.7	799.9	101.3	5.3
NI12-24-49	247	28908	2.0	20.8835	9.0	0.1083	9.5	0.0164	3.0	0.32	104.8	3.1	104.4	9.4	93.6	213.0	104.8	3.1
NI12-24-58	149	9949	1.7	19.0212	14.3	0.1190	15.1	0.0164	4.8	0.32	105.0	5.0	114.2	16.3	310.4	327.4	105.0	5.0
NI12-24-13	105	5383	1.2	21.3170	18.1	0.1074	18.7	0.0166	4.7	0.25	106.1	5.0	103.6	18.5	44.7	436.4	106.1	5.0
NI12-24-37	54	3647	3.9	26.8125	33.0	0.0878	33.9	0.0171	7.6	0.23	109.2	8.3	85.5	27.8	-535.1	905.9	109.2	8.3
NI12-24-48	423	22786	1.3	21.1112	5.3	0.1166	6.4	0.0179	3.7	0.57	114.1	4.2	112.0	6.8	67.8	126.0	114.1	4.2
NI12-24-75	139	8897	2.4	24.1921	21.4	0.1025	21.7	0.0180	3.0	0.14	114.9	3.4	99.1	20.4	-266.8	549.7	114.9	3.4
NI12-24-52	131	11206	1.7	23.0157	14.5	0.1100	14.9	0.0184	3.5	0.23	117.2	4.0	105.9	15.0	-141.8	361.4	117.2	4.0
NI12-24-6	88	11480	2.0	19.7704	11.1	0.1577	11.8	0.0226	3.9	0.33	144.1	5.6	148.7	16.3	221.8	258.1	144.1	5.6
NI12-24-16	91	10944	2.4	21.4865	15.3	0.1477	16.3	0.0230	5.6	0.34	146.7	8.1	139.9	21.3	25.7	369.2	146.7	8.1
NI12-24-55	44	3607	1.3	23.1351	34.8	0.1389	35.2	0.0233	5.4	0.15	148.5	7.9	132.1	43.6	-154.7	886.3	148.5	7.9
NI12-24-104	119	11663	3.3	19.1371	14.2	0.1695	14.6	0.0235	3.6	0.25	149.9	5.4	159.0	21.5	296.6	324.3	149.9	5.4
NI12-24-18	49	5003	1.8	21.0533	40.6	0.1543	40.7	0.0236	2.4	0.06	150.2	3.6	145.7	55.3	74.3	1003.4	150.2	3.6
NI12-24-43	43	4616	1.7	18.1801	45.0	0.1791	45.8	0.0236	8.5	0.19	150.5	12.7	167.3	70.8	412.4	1058.2	150.5	12.7
NI12-24-5	154	17484	1.7	21.7215	7.8	0.1503	8.3	0.0237	2.6	0.32	150.9	3.9	142.2	11.0	-0.4	188.8	150.9	3.9
NI12-24-90	51	3176	1.7	18.9550	23.5	0.1730	23.9	0.0238	4.5	0.19	151.5	6.8	162.0	35.8	318.3	540.6	151.5	6.8
NI12-24-56	89	5635	2.1	19.4788	14.3	0.1683	15.3	0.0238	5.3	0.35	151.5	8.0	158.0	22.4	256.0	331.0	151.5	8.0
NI12-24-64	72	4740	1.9	20.9385	12.5	0.1568	14.4	0.0238	7.2	0.50	151.7	10.8	147.9	19.8	87.4	297.4	151.7	10.8
NI12-24-72	43	6534	1.4	20.8465	18.0	0.1576	19.1	0.0238	6.3	0.33	151.8	9.5	148.6	26.4	97.8	429.2	151.8	9.5
NI12-24-79	61	6890	1.5	23.6399	36.2	0.1405	37.0	0.0241	7.6	0.20	153.4	11.5	133.5	46.3	-208.5	935.3	153.4	11.5
NI12-24-26	133	8813	2.7	21.6139	14.4	0.1543	14.8	0.0242	3.5	0.24	154.1	5.3	145.7	20.1	11.5	347.1	154.1	5.3
NI12-24-81	117	843	1.0	19.3959	18.1	0.1720	18.5	0.0242	3.7	0.20	154.1	5.7	161.1	27.6	265.8	419.0	154.1	5.7
NI12-24-86	76	10015	2.0	29.2727	27.8	0.1141	27.9	0.0242	2.9	0.10	154.3	4.4	109.7	29.0	-776.6	795.8	154.3	4.4
NI12-24-33	41	3621	1.4	21.4957	35.4	0.1561	36.4	0.0243	8.6	0.24	155.0	13.1	147.3	50.0	24.7	873.0	155.0	13.1
NI12-24-27	235	24760	0.8	20.7003	6.4	0.1622	6.7	0.0243	2.1	0.31	155.1	3.2	152.6	9.5	114.4	151.1	155.1	3.2
NI12-24-88	287	32286	2.2	20.3597	5.2	0.1651	5.4	0.0244	1.7	0.32	155.3	2.6	155.2	7.8	153.4	120.8	155.3	2.6
NI12-24-54	46	3874	1.5	24.6212	15.4	0.1369	16.4	0.0245	5.8	0.35	155.7	8.9	130.3	20.1	-311.7	396.4	155.7	8.9
NI12-24-62	67	5762	2.1	20.4325	23.2	0.1652	23.5	0.0245	3.9	0.16	155.9	5.9	155.3	33.8	145.0	549.8	155.9	5.9
NI12-24-19	38	4102	1.7	21.2542	65.7	0.1598	66.0	0.0246	6.7	0.10	156.9	10.3	150.5	92.6	51.7	1760.1	156.9	10.3
NI12-24-93	68	1467	1.7	17.8741	16.2	0.1906	16.5	0.0247	3.3	0.20	157.3	5.2	177.1	26.8	450.2	360.9	157.3	5.2
NI12-24-20	106	9981	2.6	19.4687	20.1	0.1763	20.7	0.0249	4.7	0.23	158.5	7.3	164.8	31.4	257.2	466.7	158.5	7.3
NI12-24-76	84	10254	2.7	22.1653	14.4	0.1552	15.5	0.0249	5.8	0.37	158.8	9.1	146.5	21.1	-49.4	351.0	158.8	9.1
NI12-24-92	107	11319	2.1	21.8947	13.3	0.1571	13.6	0.0249	2.7	0.20	158.8	4.2	148.2	18.7	-19.6	322.6	158.8	4.2
NI12-24-47	285	20026	10.5	20.1725	4.3	0.1709	4.5	0.0250	1.5	0.33	159.2	2.4	160.2	6.7	175.0	100.1	159.2	2.4
NI12-24-1	81	7815	1.7	21.2461	15.4	0.1692	16.1	0.0261	4.7	0.29	166.0	7.7	158.8	23.7	52.6	369.8	166.0	7.7
NI12-24-24	108	10943	2.5	19.2059	11.9	0.1881	12.0	0.0262	2.0	0.16	166.7	3.2	175.0	19.4	288.3	272.4	166.7	3.2
NI12-24-67	38	3513	3.4	18.9281	35.6	0.1925	36.8	0.0264	9.5	0.26	168.2	15.7	178.8	60.4	321.6	831.9	168.2	15.7
NI12-24-53	86	14385	2.8	21.5352	14.4	0.1696	14.7	0.0265	2.8	0.19	168.5	4.7	159.0	21.6	20.3	347.9	168.5	4.7
NI12-24-97	161	14841	4.4	21.6565	11.0	0.1687	11.1	0.0265	1.8	0.16	168.5	3.0	158.3	16.3	6.8	265.2	168.5	3.0
NI12-24-28	135	16499	3.1	20.8354	10.7	0.1753	11.0	0.0265	2.5	0.23	168.6	4.2	164.0	16.7	99.0	254.3	168.6	4.2
NI12-24-61	43	9711	2.2	22.4511	23.7	0.1632	24.1	0.0266	4.0	0.16	169.0	6.6	153.5	34.3	-80.7	587.9	169.0	6.6

NI12-24-9	456	89510	7.0	20.1636	2.2	0.1821	3.3	0.0266	2.5	0.75	169.4	4.1	169.8	5.1	176.0	50.9	169.4	4.1
NI12-24-50	58	7429	1.4	19.4945	20.6	0.1888	21.1	0.0267	4.8	0.23	169.8	8.0	175.6	34.1	254.2	477.6	169.8	8.0
NI12-24-23	135	25428	3.1	19.7960	9.6	0.1867	10.1	0.0268	3.0	0.30	170.5	5.0	173.8	16.1	218.8	223.4	170.5	5.0
NI12-24-39	97	17277	2.3	20.4947	9.7	0.1824	10.3	0.0271	3.5	0.34	172.4	6.0	170.1	16.2	137.9	228.5	172.4	6.0
NI12-24-51	69	6193	1.3	20.5334	16.9	0.1829	17.0	0.0272	2.4	0.14	173.3	4.0	170.6	26.8	133.5	399.1	173.3	4.0
NI12-24-11	150	26359	2.6	20.7755	10.1	0.1809	10.2	0.0273	1.6	0.16	173.4	2.8	168.9	15.9	105.8	239.1	173.4	2.8
NI12-24-91	85	7298	1.7	18.9036	10.1	0.1994	10.5	0.0273	2.7	0.26	173.8	4.7	184.6	17.7	324.5	230.2	173.8	4.7
NI12-24-106	48	7442	3.3	21.7517	19.1	0.1738	19.6	0.0274	4.0	0.21	174.4	7.0	162.8	29.4	-3.7	465.4	174.4	7.0
NI12-24-99	90	7318	3.2	20.3950	12.2	0.1855	12.6	0.0274	3.1	0.24	174.5	5.3	172.7	20.1	149.4	288.0	174.5	5.3
NI12-24-59	192	18255	7.1	20.0061	9.0	0.1894	10.3	0.0275	5.0	0.49	174.8	8.6	176.1	16.6	194.3	208.6	174.8	8.6
NI12-24-77	99	9488	1.6	19.7890	9.0	0.1923	9.5	0.0276	3.1	0.33	175.5	5.4	178.6	15.6	219.6	208.1	175.5	5.4
NI12-24-102	70	5764	2.1	22.1244	10.8	0.1723	11.6	0.0276	4.2	0.37	175.8	7.4	161.4	17.3	-44.9	263.1	175.8	7.4
NI12-24-82	79	9728	1.2	21.7901	20.3	0.1760	20.6	0.0278	3.2	0.15	176.9	5.5	164.6	31.3	-8.0	495.0	176.9	5.5
NI12-24-73	226	21614	1.3	20.0273	5.2	0.1923	5.3	0.0279	1.2	0.22	177.6	2.1	178.6	8.7	191.8	120.1	177.6	2.1
NI12-24-36	184	15767	2.0	20.9688	8.2	0.1841	8.8	0.0280	3.2	0.36	178.0	5.6	171.6	13.9	83.9	194.4	178.0	5.6
NI12-24-8	453	100694	5.0	20.2214	1.7	0.1916	2.3	0.0281	1.5	0.64	178.7	2.6	178.0	3.7	169.3	40.7	178.7	2.6
NI12-24-31	72	7726	1.7	21.1332	18.0	0.1840	18.4	0.0282	3.6	0.20	179.3	6.5	171.5	29.0	65.3	432.0	179.3	6.5
NI12-24-89	226	36644	0.9	20.2776	7.8	0.1934	8.0	0.0284	1.6	0.21	180.8	2.9	179.6	13.2	162.8	183.2	180.8	2.9
NI12-24-105	114	11093	4.3	19.1755	11.8	0.2091	15.5	0.0291	10.0	0.65	184.7	18.3	192.8	27.3	292.0	271.2	184.7	18.3
NI12-24-10	614	103443	2.2	19.6669	1.6	0.2049	2.7	0.0292	2.2	0.81	185.7	4.1	189.3	4.7	233.9	36.8	185.7	4.1
NI12-24-95	55	6749	2.0	20.6228	21.5	0.1991	21.7	0.0298	3.2	0.15	189.2	5.9	184.4	36.6	123.2	511.3	189.2	5.9
NI12-24-94	131	33980	2.8	19.9020	16.5	0.2075	16.6	0.0299	2.0	0.12	190.2	3.7	191.4	28.9	206.4	384.1	190.2	3.7
NI12-24-45	303	37512	1.9	19.4333	4.0	0.2155	4.2	0.0304	1.1	0.25	192.9	2.0	198.1	7.5	261.4	92.4	192.9	2.0
NI12-24-35	150	17912	2.1	20.1327	9.4	0.2117	9.7	0.0309	2.4	0.24	196.3	4.6	195.0	17.2	179.6	220.1	196.3	4.6
NI12-24-87	109	11582	2.7	19.1323	7.2	0.2564	7.6	0.0356	2.2	0.29	225.3	4.9	231.7	15.7	297.1	165.5	225.3	4.9
NI12-24-57	44	11469	2.7	18.9036	13.2	0.3193	13.7	0.0438	3.6	0.26	276.2	9.8	281.3	33.7	324.5	301.6	276.2	9.8
NI12-24-103	156	162874	0.8	8.5170	0.2	5.7472	1.0	0.3550	1.0	0.98	1958.5	16.3	1938.5	8.6	1917.2	3.9	1917.2	3.9

Sample JG09-05, Kodiak Fm (57.83622, -152.35168)																		
JG09-05-84	253	4923	2.3	19.3237	21.8	0.0698	22.0	0.0098	3.5	0.16	62.8	2.2	68.5	14.6	274.4	503.7	62.8	2.2
JG09-05-14	868	21359	2.3	21.7705	5.6	0.0673	5.8	0.0106	1.6	0.28	68.2	1.1	66.2	3.7	-5.8	135.5	68.2	1.1
JG09-05-37	806	20017	2.7	20.6092	4.9	0.0728	5.2	0.0109	1.6	0.32	69.8	1.1	71.3	3.6	124.8	116.4	69.8	1.1
JG09-05-36	320	10868	1.4	19.8070	15.4	0.0764	15.5	0.0110	1.3	0.09	70.4	0.9	74.8	11.2	217.5	358.7	70.4	0.9
JG09-05-39	40	1124	3.5	1.7840	1008.0	0.8694	4008.0	0.0144	43.4	0.04	71.3	9.5	629.7	#NUM!	0.0	111.1	71.3	9.5
JG09-05-25	318	10129	1.4	23.8182	13.9	0.0644	14.2	0.0111	3.0	0.21	71.3	2.1	63.3	8.7	-227.4	350.6	71.3	2.1
JG09-05-61	384	22689	1.7	21.9622	17.5	0.0702	17.6	0.0112	1.6	0.09	71.7	1.2	68.9	11.7	-27.0	426.5	71.7	1.2
JG09-05-35	276	8351	2.1	25.2215	20.9	0.0613	21.3	0.0112	3.7	0.17	71.9	2.6	60.5	12.5	-373.8	548.4	71.9	2.6
JG09-05-13	612	16653	1.9	20.9341	7.4	0.0766	8.0	0.0116	2.9	0.37	74.5	2.2	75.0	5.8	87.9	176.0	74.5	2.2
JG09-05-43	77	1416	1.5	18.9119	48.0	0.0867	50.0	0.0119	14.0	0.28	76.2	10.6	84.5	40.5	323.5	1153.2	76.2	10.6
JG09-05-26	349	16938	1.7	20.9337	11.2	0.0798	11.4	0.0121	2.3	0.20	77.6	1.8	77.9	8.5	87.9	265.4	77.6	1.8
JG09-05-76	83	3549	1.7	25.0243	196.0	0.0673	196.2	0.0122	7.5	0.04	78.3	5.8	66.2	126.3	-353.4	0.0	78.3	5.8
JG09-05-97	189	8756	1.3	21.5226	17.5	0.0802	18.0	0.0125	4.4	0.25	80.2	3.5	78.4	13.6	21.7	422.5	80.2	3.5
JG09-05-66	504	25133	1.7	20.8100	6.8	0.0830	7.2	0.0125	2.3	0.32	80.2	1.9	80.9	5.6	101.9	160.2	80.2	1.9
JG09-05-28	92	2338	2.0	20.6536	35.1	0.0882	35.5	0.0132	5.5	0.15	84.6	4.6	85.8	29.2	119.7	849.6	84.6	4.6
JG09-05-99	897	43665	1.9	21.1723	3.8	0.0874	4.5	0.0134	2.3	0.51	85.9	2.0	85.1	3.6	61.0	91.1	85.9	2.0
JG09-05-72	194	10212	3.6	24.2913	30.0	0.0785	30.2	0.0138	3.6	0.12	88.5	3.1	76.7	22.3	-277.2	778.6	88.5	3.1
JG09-05-45	180	12801	2.1	22.3517	16.4	0.0875	17.4	0.0142	5.9	0.34	90.7	5.3	85.1	14.2	-69.8	403.2	90.7	5.3
JG09-05-23	420	12519	2.2	19.9314	6.5	0.0993	7.0	0.0144	2.5	0.36	91.9	2.3	96.2	6.4	203.0	152.1	91.9	2.3
JG09-05-11A	482	32064	3.5	20.9678	7.1	0.0951	7.2	0.0145	1.3	0.18	92.5	1.2	92.2	6.4	84.0	168.3	92.5	1.2
JG09-05-52	508	19456	2.2	21.2879	7.9	0.0979	8.0	0.0151	1.2	0.16	96.7	1.2	94.8	7.2	48.0	188.1	96.7	1.2

JG09-05-18	434	16511	4.4	22.3726	11.2	0.0940	12.3	0.0153	5.3	0.43	97.6	5.1	91.3	10.8	-72.1	273.7	97.6	5.1
JG09-05-57	376	9462	2.6	21.1771	7.9	0.0994	8.1	0.0153	1.8	0.22	97.6	1.7	96.2	7.5	60.4	188.9	97.6	1.7
JG09-05-78	388	15700	2.9	22.2137	9.6	0.0948	9.7	0.0153	1.7	0.18	97.7	1.7	92.0	8.6	-54.7	233.5	97.7	1.7
JG09-05-80	349	17953	2.4	22.0569	10.2	0.0959	10.3	0.0153	1.2	0.12	98.2	1.2	93.0	9.1	-37.5	248.5	98.2	1.2
JG09-05-87	109	3509	2.4	19.6895	49.3	0.1075	49.4	0.0153	3.8	0.08	98.2	3.7	103.7	48.8	231.2	1207.5	98.2	3.7
JG09-05-95	1058	49742	1.9	20.7879	2.2	0.1020	2.5	0.0154	1.2	0.47	98.4	1.1	98.6	2.3	104.4	51.2	98.4	1.1
JG09-05-15	298	13430	3.2	21.9239	12.2	0.0977	12.4	0.0155	1.9	0.15	99.4	1.9	94.7	11.2	-22.8	296.4	99.4	1.9
JG09-05-08	372	15053	2.5	20.4027	5.9	0.1056	6.4	0.0156	2.4	0.38	99.9	2.4	101.9	6.2	148.5	138.8	99.9	2.4
JG09-05-92	860	13041	4.1	20.6389	5.8	0.1050	6.0	0.0157	1.2	0.20	100.6	1.2	101.4	5.8	121.4	137.7	100.6	1.2
JG09-05-53	79	2455	2.5	24.2684	45.0	0.0897	45.7	0.0158	7.8	0.17	100.9	7.9	87.2	38.2	-274.8	1197.8	100.9	7.9
JG09-05-85	469	26609	1.9	22.0846	11.6	0.0996	11.6	0.0160	1.1	0.10	102.0	1.2	96.4	10.7	-40.5	281.4	102.0	1.2
JG09-05-21	123	6117	1.1	18.3880	14.6	0.1205	15.2	0.0161	3.9	0.26	102.7	4.0	115.5	16.5	386.9	330.3	102.7	4.0
JG09-05-49	678	18096	1.5	21.4671	7.1	0.1093	7.2	0.0170	1.1	0.15	108.7	1.2	105.3	7.2	27.9	169.6	108.7	1.2
JG09-05-91	174	7423	1.1	26.6341	34.7	0.0881	34.8	0.0170	3.2	0.09	108.8	3.5	85.7	28.6	-517.2	950.1	108.8	3.5
JG09-05-50	441	17936	2.8	21.7545	5.1	0.1109	5.5	0.0175	2.1	0.37	111.8	2.3	106.8	5.6	-4.1	122.7	111.8	2.3
JG09-05-60	340	15661	0.8	20.7519	6.5	0.1163	7.0	0.0175	2.7	0.38	111.9	3.0	111.7	7.4	108.5	153.3	111.9	3.0
JG09-05-100	162	9636	1.7	22.1567	23.7	0.1100	23.8	0.0177	2.5	0.10	112.9	2.8	105.9	24.0	-48.4	583.4	112.9	2.8
JG09-05-68	185	10527	4.1	22.5668	15.0	0.1082	15.1	0.0177	2.3	0.15	113.1	2.6	104.3	15.0	-93.3	368.7	113.1	2.6
JG09-05-73	129	6341	2.0	22.3336	28.2	0.1328	28.4	0.0215	3.7	0.13	137.2	5.0	126.6	33.8	-67.8	700.3	137.2	5.0
JG09-05-12	147	7173	4.3	22.1369	20.5	0.1346	23.7	0.0216	12.0	0.51	137.8	16.4	128.2	28.6	-46.3	502.6	137.8	16.4
JG09-05-82	556	17125	8.0	16.7608	4.4	0.1861	8.2	0.0226	7.0	0.84	144.2	9.9	173.3	13.1	591.4	95.6	144.2	9.9
JG09-05-44	163	8601	3.8	19.4187	16.9	0.1607	17.0	0.0226	2.1	0.12	144.3	3.0	151.3	23.9	263.1	390.3	144.3	3.0
JG09-05-81	470	47786	1.2	20.0219	3.9	0.1561	4.1	0.0227	1.2	0.30	144.5	1.8	147.3	5.6	192.5	90.6	144.5	1.8
JG09-05-83	64	4566	1.9	23.2033	30.3	0.1371	32.2	0.0231	10.7	0.33	147.0	15.5	130.5	39.4	-162.0	769.7	147.0	15.5
JG09-05-19	69	4368	2.0	21.9833	28.8	0.1480	29.3	0.0236	5.5	0.19	150.4	8.1	140.2	38.4	-29.4	711.1	150.4	8.1
JG09-05-31	116	7020	1.6	21.8295	8.5	0.1526	9.4	0.0242	4.0	0.42	153.9	6.0	144.2	12.6	-12.4	205.4	153.9	6.0
JG09-05-46	113	6148	5.5	24.9975	16.5	0.1341	16.8	0.0243	3.3	0.20	154.9	5.1	127.8	20.2	-350.7	427.4	154.9	5.1
JG09-05-40	91	5810	5.3	31.6603	38.3	0.1078	38.8	0.0248	5.9	0.15	157.7	9.2	104.0	38.3	-1003.4	1171.5	157.7	9.2
JG09-05-06	46	2985	2.6	31.1401	47.0	0.1104	47.5	0.0249	6.3	0.13	158.7	9.9	106.3	47.9	-954.5	1446.2	158.7	9.9
JG09-05-56	327	17888	2.4	19.7784	7.4	0.1760	7.6	0.0252	1.8	0.23	160.7	2.8	164.6	11.6	220.8	171.5	160.7	2.8
JG09-05-16	126	5905	2.0	22.8682	13.9	0.1529	14.2	0.0254	2.7	0.19	161.5	4.3	144.5	19.1	-125.9	345.8	161.5	4.3
JG09-05-69	317	37396	2.0	20.3534	5.6	0.1736	5.7	0.0256	1.2	0.21	163.1	1.9	162.5	8.6	154.1	131.7	163.1	1.9
JG09-05-03	190	25248	1.9	21.0061	9.6	0.1692	9.7	0.0258	1.2	0.12	164.0	1.9	158.7	14.2	79.7	228.5	164.0	1.9
JG09-05-86	44	1839	2.8	37.6263	85.7	0.0961	86.1	0.0262	8.6	0.10	166.9	14.2	93.2	76.8	-1548.0	1350.6	166.9	14.2
JG09-05-10	546	63660	3.5	19.7020	2.5	0.1837	2.8	0.0262	1.2	0.44	167.0	2.0	171.2	4.4	229.7	58.2	167.0	2.0
JG09-05-09	164	14475	2.9	22.4594	7.4	0.1629	8.6	0.0265	4.4	0.52	168.8	7.4	153.2	12.3	-81.6	180.9	168.8	7.4
JG09-05-01	662	21030	1.4	20.1224	4.4	0.1849	12.2	0.0270	11.3	0.93	171.6	19.2	172.2	19.3	180.8	103.5	171.6	19.2
JG09-05-94	362	25971	3.0	19.6467	3.3	0.1953	3.6	0.0278	1.4	0.39	176.9	2.5	181.1	6.0	236.3	77.3	176.9	2.5
JG09-05-71	132	7820	3.6	20.4157	18.4	0.1880	18.6	0.0278	3.0	0.16	177.0	5.3	174.9	30.0	147.0	434.7	177.0	5.3
JG09-05-05	138	8707	1.7	19.0608	10.2	0.2033	11.0	0.0281	4.0	0.37	178.7	7.1	188.0	18.9	305.7	233.5	178.7	7.1
JG09-05-75	269	16669	3.0	20.4503	7.4	0.1912	7.5	0.0284	1.6	0.21	180.3	2.9	177.6	12.3	143.0	173.2	180.3	2.9
JG09-05-98	349	24579	3.1	20.1395	3.4	0.1953	4.2	0.0285	2.5	0.60	181.3	4.5	181.1	7.0	178.8	79.2	181.3	4.5
JG09-05PCY-24	349	29628	3.6	20.4679	4.6	0.1941	5.4	0.0288	2.8	0.52	183.2	5.0	180.2	8.8	141.0	107.8	183.2	5.0
JG09-05-38	842	94313	1.9	20.0560	1.4	0.1984	1.7	0.0289	1.0	0.59	183.4	1.8	183.8	2.9	188.5	32.1	183.4	1.8
JG09-05-33	451	40179	2.5	20.4422	1.9	0.1961	2.4	0.0291	1.4	0.59	184.7	2.6	181.8	4.0	143.9	44.9	184.7	2.6
JG09-05-27	473	8139	1.8	18.7805	7.4	0.2153	7.5	0.0293	1.4	0.18	186.3	2.5	198.0	13.5	339.3	167.4	186.3	2.5
JG09-05-29	340	32773	1.6	20.7132	6.1	0.1963	6.1	0.0295	1.0	0.16	187.4	1.8	182.0	10.2	112.9	143.2	187.4	1.8
JG09-05-96	236	22327	1.3	19.3518	4.6	0.2132	4.8	0.0299	1.5	0.31	190.1	2.8	196.3	8.6	271.0	105.7	190.1	2.8
JG09-05-74	405	32984	2.0	19.4259	3.4	0.2190	5.5	0.0309	4.3	0.78	195.9	8.2	201.1	10.0	262.3	78.5	195.9	8.2
JG09-05-24	342	28904	2.6	19.5549	4.2	0.2195	4.3	0.0311	1.3	0.29	197.6	2.5	201.5	7.9	247.1	95.6	197.6	2.5

JG09-05-90	228	15598	2.3	19.5048	7.0	0.2231	7.2	0.0316	1.7	0.24	200.3	3.4	204.5	13.3	253.0	161.0	200.3	3.4
JG09-05-89	225	15735	2.1	20.3572	7.5	0.2152	7.6	0.0318	1.1	0.15	201.6	2.2	197.9	13.7	153.7	176.5	201.6	2.2
JG09-05-67	573	36279	3.1	20.1542	5.1	0.2220	5.3	0.0324	1.4	0.26	205.8	2.8	203.6	9.8	177.1	119.7	205.8	2.8
JG09-05-77	126	9419	1.7	20.9069	12.9	0.2143	13.1	0.0325	2.6	0.20	206.1	5.4	197.1	23.5	90.9	306.0	206.1	5.4
JG09-05-22	1340	135248	1.0	19.8358	1.0	0.2274	1.2	0.0327	0.6	0.51	207.5	1.2	208.0	2.2	214.1	23.1	207.5	1.2
JG09-05-62	102	8503	3.2	17.3818	12.6	0.2736	13.4	0.0345	4.4	0.33	218.6	9.5	245.6	29.2	512.0	278.2	218.6	9.5
JG09-05-51	170	29285	3.9	21.7347	7.4	0.2228	7.5	0.0351	1.7	0.22	222.5	3.6	204.2	14.0	-1.9	177.6	222.5	3.6
JG09-05-20	195	21005	1.5	18.3796	4.8	0.3085	5.3	0.0411	2.1	0.40	259.8	5.4	273.0	12.7	388.0	108.7	259.8	5.4
JG09-05-34	248	30276	4.2	18.9091	3.2	0.3640	3.3	0.0499	0.8	0.24	314.0	2.5	315.2	9.0	323.9	73.2	314.0	2.5
JG09-05-02	621	96308	1.6	18.7860	0.8	0.3968	1.2	0.0541	0.8	0.70	339.5	2.7	339.4	3.3	338.6	18.5	339.5	2.7
JG09-05-42	176	34957	3.1	18.9637	3.0	0.4143	3.5	0.0570	1.7	0.49	357.2	5.9	352.0	10.3	317.3	68.4	357.2	5.9
JG09-05PCY-32	449	200813	1.9	18.5907	2.0	0.4365	3.1	0.0589	2.4	0.76	368.7	8.4	367.8	9.6	362.3	45.7	368.7	8.4
JG09-05-55	409	56150	3.4	18.6584	1.6	0.4383	2.0	0.0593	1.2	0.61	371.4	4.5	369.0	6.3	354.1	36.1	371.4	4.5
JG09-05-58	352	15841	1.4	17.9686	3.5	0.4559	3.7	0.0594	1.2	0.32	372.0	4.2	381.4	11.7	438.5	77.8	372.0	4.2
JG09-05-70	357	58747	5.2	18.2477	1.2	0.5085	1.8	0.0673	1.3	0.74	419.8	5.4	417.4	6.2	404.1	27.3	419.8	5.4
JG09-05-93	42	14113	0.8	17.7374	12.0	0.7012	12.1	0.0902	1.7	0.14	556.8	9.1	539.5	50.6	467.3	265.9	556.8	9.1
JG09-05-48	51	27278	2.5	13.4354	3.6	1.8061	3.9	0.1760	1.4	0.35	1045.0	13.0	1047.7	25.3	1053.2	73.1	1053.2	73.1
JG09-05PCY-13	239	127818	2.4	13.3813	0.7	1.8342	2.1	0.1780	2.0	0.94	1056.1	19.0	1057.8	13.7	1061.3	14.9	1061.3	14.9
JG09-05PCY-36	587	404146	8.6	12.4888	0.3	2.1819	1.9	0.1976	1.9	0.98	1162.6	20.0	1175.3	13.3	1198.8	6.9	1198.8	6.9
JG09-05PCY-16	235	33796	2.7	12.4735	0.9	2.2497	2.8	0.2035	2.7	0.95	1194.2	29.0	1196.7	19.7	1201.2	17.3	1201.2	17.3
JG09-05PCY-40	603	459314	3.0	12.2216	0.3	2.4132	1.5	0.2139	1.5	0.98	1249.6	16.6	1246.5	10.7	1241.2	6.2	1241.2	6.2
JG09-05-63	271	139808	2.0	11.6662	0.5	2.7064	1.0	0.2290	0.8	0.85	1329.2	9.9	1330.2	7.2	1331.8	10.0	1331.8	10.0
JG09-05-47	277	219091	5.1	11.3377	0.4	2.9424	0.9	0.2420	0.8	0.87	1396.8	10.0	1392.9	6.9	1386.9	8.5	1386.9	8.5
JG09-05PCY-05	79	78921	2.2	11.1768	1.7	3.0057	2.5	0.2436	1.8	0.73	1405.6	22.5	1409.1	18.7	1414.2	32.2	1414.2	32.2
JG09-05PCY-10	313	57837	1.7	11.0493	0.6	3.0167	3.1	0.2418	3.0	0.98	1395.8	38.2	1411.9	23.6	1436.1	11.0	1436.1	11.0
JG09-05PCY-27	639	927927	3.6	10.6093	0.2	3.3720	1.8	0.2595	1.8	1.00	1487.1	24.3	1497.9	14.4	1513.2	3.1	1513.2	3.1
JG09-05PCY-01	198	51526	1.5	10.5549	2.8	3.3437	3.7	0.2560	2.4	0.66	1469.2	31.6	1491.3	28.7	1522.9	52.1	1522.9	52.1
JG09-05-64	318	130427	1.9	10.2290	0.7	3.4602	2.3	0.2567	2.2	0.95	1473.0	29.1	1518.2	18.3	1581.8	13.4	1581.8	13.4
JG09-05PCY-33	640	457722	2.4	9.3214	0.2	4.5454	1.7	0.3073	1.7	0.99	1727.4	25.7	1739.3	14.2	1753.7	3.1	1753.7	3.1
JG09-05PCY-11	169	151332	2.4	9.1941	0.5	4.8359	1.6	0.3225	1.5	0.94	1801.8	23.4	1791.2	13.3	1778.8	10.0	1778.8	10.0
JG09-05-32	243	240173	1.2	9.1619	0.4	4.6967	2.6	0.3121	2.6	0.99	1751.0	39.5	1766.7	21.8	1785.2	7.5	1785.2	7.5
JG09-05PCY-12	312	765011	1.1	9.1552	0.4	4.9314	2.8	0.3274	2.8	0.99	1826.0	44.0	1807.7	23.6	1786.6	7.0	1786.6	7.0
JG09-05PCY-18	384	549787	26.1	9.1547	0.4	4.8107	1.7	0.3194	1.6	0.97	1786.9	25.5	1786.8	14.1	1786.7	6.9	1786.7	6.9
JG09-05PCY-09	111	176981	1.7	9.0812	0.5	4.8997	1.5	0.3227	1.4	0.94	1802.9	22.6	1802.2	13.0	1801.3	9.9	1801.3	9.9
JG09-05PCY-17	207	385627	1.9	9.0431	0.4	4.8969	2.2	0.3212	2.1	0.98	1795.4	33.6	1801.7	18.4	1809.0	7.7	1809.0	7.7
JG09-05PCY-39	125	158740	2.0	8.9128	0.6	5.1585	1.5	0.3335	1.4	0.92	1855.1	22.6	1845.8	12.9	1835.3	10.6	1835.3	10.6
JG09-05PCY-25	212	201806	1.8	8.8919	0.4	4.8825	1.2	0.3149	1.1	0.94	1764.7	17.4	1799.2	10.1	1839.6	7.4	1839.6	7.4
JG09-05PCY-37	353	30783	1.6	8.8676	0.5	4.2767	6.5	0.2751	6.5	1.00	1566.4	90.0	1688.9	53.5	1844.5	9.9	1844.5	9.9
JG09-05PCY-03	58	76230	1.1	8.8503	1.2	5.1557	1.9	0.3309	1.5	0.78	1842.9	23.7	1845.3	16.2	1848.0	21.8	1848.0	21.8
JG09-05PCY-07	191	270846	1.6	8.8467	0.3	5.2573	1.2	0.3373	1.1	0.96	1873.7	18.1	1862.0	9.9	1848.8	6.0	1848.8	6.0
JG09-05PCY-04	375	480671	4.6	8.8320	0.3	5.0731	2.0	0.3250	2.0	0.99	1813.9	31.1	1831.6	16.9	1851.8	4.7	1851.8	4.7
JG09-05PCY-35	401	342262	3.1	8.8061	0.3	5.2041	2.1	0.3324	2.0	0.99	1849.9	32.8	1853.3	17.5	1857.1	4.9	1857.1	4.9
JG09-05-54	122	145931	1.3	8.7201	0.8	5.4337	1.5	0.3436	1.2	0.82	1904.2	20.1	1890.2	12.7	1874.8	15.3	1874.8	15.3
JG09-05PCY-15	308	348787	2.8	8.6312	0.4	5.4779	2.5	0.3429	2.5	0.99	1900.7	41.3	1897.1	21.8	1893.3	6.4	1893.3	6.4
JG09-05-07	118	107234	1.2	8.5601	0.3	5.4065	2.0	0.3357	2.0	0.99	1865.7	32.0	1885.9	17.2	1908.1	5.7	1908.1	5.7
JG09-05PCY-22	287	326022	2.3	8.5374	0.4	5.8226	2.6	0.3605	2.6	0.99	1984.7	44.5	1949.8	22.8	1912.9	6.5	1912.9	6.5
JG09-05-17	47	24737	0.6	8.5122	2.8	5.5397	3.1	0.3420	1.5	0.47	1896.3	24.2	1906.8	27.0	1918.2	49.6	1918.2	49.6
JG09-05-65	271	19997	3.4	8.4658	0.2	5.4992	3.0	0.3376	3.0	1.00	1875.4	48.9	1900.5	25.9	1928.0	3.8	1928.0	3.8
JG09-05-41	122	111919	1.2	8.4596	0.4	5.7285	0.8	0.3515	0.7	0.87	1941.6	11.0	1935.7	6.5	1929.3	6.6	1929.3	6.6
JG09-05PCY-31	412	555334	1.6	8.1612	0.1	5.7403	1.2	0.3398	1.2	1.00	1885.6	19.7	1937.5	10.4	1993.4	1.7	1993.4	1.7

JG09-05PCY-06	159	123346	4.0	8.1574	0.2	6.1943	1.9	0.3665	1.8	0.99	2012.8	31.8	2003.6	16.2	1994.2	4.1	1994.2	4.1
JG09-05PCY-21	189	157884	1.9	8.1490	0.4	6.1910	2.3	0.3659	2.3	0.99	2010.1	39.4	2003.2	20.2	1996.0	7.1	1996.0	7.1
JG09-05-79	43	51699	2.5	8.1321	1.0	6.2368	1.4	0.3678	1.0	0.71	2019.2	16.7	2009.6	11.8	1999.7	16.9	1999.7	16.9
JG09-05PCY-38	147	190069	1.6	8.1226	0.4	6.2238	2.0	0.3666	1.9	0.98	2013.6	33.3	2007.8	17.1	2001.8	6.4	2001.8	6.4
JG09-05-88	141	127047	1.7	8.0587	0.3	6.2287	1.3	0.3640	1.2	0.97	2001.3	21.1	2008.5	11.1	2015.8	5.8	2015.8	5.8
JG09-05PCY-41	391	30891	1.9	6.8767	0.6	6.6037	5.1	0.3294	5.0	0.99	1835.2	80.2	2059.8	44.6	2292.7	10.6	2292.7	10.6
JG09-05-04	368	523125	1.8	6.8256	0.2	8.3790	3.4	0.4148	3.4	1.00	2236.8	63.6	2272.9	30.6	2305.5	4.1	2305.5	4.1
JG09-05PCY-08	81	68380	0.7	6.7779	0.5	8.7060	1.5	0.4280	1.4	0.93	2296.6	26.2	2307.7	13.2	2317.6	9.0	2317.6	9.0
JG09-05PCY-30	246	242923	4.3	6.1960	0.8	10.1654	2.1	0.4568	2.0	0.93	2425.4	40.0	2449.9	19.7	2470.3	13.1	2470.3	13.1
JG09-05PCY-20	288	159883	1.9	6.0116	0.4	9.9167	3.5	0.4324	3.4	0.99	2316.4	67.0	2427.1	32.0	2521.2	7.2	2521.2	7.2
JG09-05PCY-02	123	137902	1.0	5.8226	0.5	11.8003	1.6	0.4983	1.5	0.94	2606.6	32.2	2588.7	14.9	2574.7	8.8	2574.7	8.8
JG09-05PCY-19	209	290413	2.4	5.7342	0.3	11.9497	2.0	0.4970	2.0	0.99	2600.7	42.1	2600.5	18.7	2600.2	5.4	2600.2	5.4
JG09-05PCY-14	192	375097	1.5	5.3711	0.2	13.4634	1.7	0.5245	1.7	0.99	2718.1	38.1	2712.7	16.4	2708.7	3.6	2708.7	3.6
JG09-05PCY-23	142	245046	1.7	5.2862	0.2	14.2733	1.0	0.5472	0.9	0.98	2813.6	21.4	2768.0	9.1	2735.0	3.1	2735.0	3.1
Sample 11SJO-42, Ghost Rocks Fm (57.64668, -152.43539)																		
11SJO-42-69	134	6433	3.3	20.4881	38.9	0.0674	39.9	0.0100	8.7	0.22	64.2	5.6	66.2	25.6	138.7	946.5	64.2	5.6
11SJO-42-65	316	28583	2.9	20.6729	20.3	0.0671	20.6	0.0101	3.7	0.18	64.6	2.4	66.0	13.2	117.5	482.7	64.6	2.4
11SJO-42-93	216	19608	2.6	19.6441	13.9	0.0707	14.4	0.0101	4.0	0.28	64.6	2.6	69.3	9.7	236.6	321.6	64.6	2.6
11SJO-42-94	303	21838	2.4	22.4324	15.7	0.0620	16.8	0.0101	6.1	0.36	64.7	3.9	61.1	10.0	-78.6	385.0	64.7	3.9
11SJO-42-24	647	20564	2.5	20.9548	5.5	0.0665	6.0	0.0101	2.4	0.40	64.9	1.6	65.4	3.8	85.5	130.4	64.9	1.6
11SJO-42-71	200	9630	3.2	22.7623	28.2	0.0614	28.5	0.0101	4.3	0.15	65.0	2.8	60.5	16.8	-114.5	707.2	65.0	2.8
11SJO-42-48	198	9409	2.3	19.2349	23.0	0.0726	23.7	0.0101	5.6	0.24	65.0	3.6	71.2	16.3	284.9	532.0	65.0	3.6
11SJO-42-51	155	5464	2.6	27.5832	40.8	0.0507	41.2	0.0101	5.7	0.14	65.0	3.7	50.2	20.2	-611.7	1150.4	65.0	3.7
11SJO-42-21	213	12202	2.6	21.4319	28.1	0.0653	28.3	0.0101	3.3	0.12	65.1	2.1	64.2	17.6	31.8	685.8	65.1	2.1
11SJO-42-22	252	10930	2.7	29.3291	52.8	0.0478	52.8	0.0102	2.7	0.05	65.2	1.7	47.4	24.5	-782.0	1586.2	65.2	1.7
11SJO-42-87	325	13975	2.2	26.5104	18.2	0.0530	18.7	0.0102	4.1	0.22	65.4	2.7	52.4	9.6	-504.8	489.1	65.4	2.7
11SJO-42-58	293	17809	3.3	23.0733	24.2	0.0611	24.5	0.0102	3.6	0.15	65.6	2.3	60.2	14.3	-148.0	608.0	65.6	2.3
11SJO-42-40	526	37112	2.8	19.8350	7.9	0.0711	8.1	0.0102	1.7	0.21	65.6	1.1	69.8	5.5	214.2	183.2	65.6	1.1
11SJO-42-19	980	43671	4.3	21.7889	4.9	0.0649	5.7	0.0103	2.9	0.50	65.8	1.9	63.8	3.5	-7.9	119.4	65.8	1.9
11SJO-42-77	226	9560	2.7	25.4431	36.2	0.0556	36.5	0.0103	5.0	0.14	65.8	3.3	54.9	19.5	-396.5	969.3	65.8	3.3
11SJO-42-13	647	20946	4.5	20.7375	7.2	0.0682	7.8	0.0103	3.1	0.39	65.8	2.0	67.0	5.1	110.2	169.2	65.8	2.0
11SJO-42-89	806	35985	2.3	21.2004	8.1	0.0670	8.5	0.0103	2.5	0.30	66.1	1.7	65.8	5.4	57.8	192.9	66.1	1.7
11SJO-42-73	325	34258	3.0	21.9245	18.6	0.0651	19.1	0.0103	4.5	0.24	66.4	3.0	64.0	11.9	-22.9	452.6	66.4	3.0
11SJO-42-18	340	11590	2.3	19.4515	11.2	0.0734	11.5	0.0104	2.6	0.22	66.4	1.7	71.9	8.0	259.2	257.9	66.4	1.7
11SJO-42-31	1007	57640	8.4	20.9325	6.2	0.0684	6.4	0.0104	1.6	0.25	66.6	1.1	67.2	4.2	88.0	148.2	66.6	1.1
11SJO-42-25	363	7180	3.1	21.5224	15.6	0.0667	15.9	0.0104	2.9	0.18	66.8	1.9	65.6	10.1	21.7	376.4	66.8	1.9
11SJO-42-35	938	25230	3.9	20.7432	7.5	0.0697	8.3	0.0105	3.6	0.43	67.3	2.4	68.4	5.5	109.5	177.9	67.3	2.4
11SJO-42-98	106	4422	2.6	29.0377	35.9	0.0499	38.0	0.0105	12.4	0.33	67.4	8.3	49.4	18.3	-753.9	1035.1	67.4	8.3
11SJO-42-60	967	51687	3.7	20.4222	3.4	0.0711	3.7	0.0105	1.4	0.39	67.5	1.0	69.7	2.5	146.2	79.9	67.5	1.0
11SJO-42-78	293	12305	2.1	22.4237	20.4	0.0651	20.6	0.0106	3.0	0.15	67.9	2.0	64.1	12.8	-77.7	503.7	67.9	2.0
11SJO-42-1	629	33599	5.0	21.1554	13.1	0.0694	13.4	0.0106	2.6	0.19	68.3	1.8	68.1	8.8	62.9	313.4	68.3	1.8
11SJO-42-8	146	5448	3.0	22.6287	58.1	0.0649	58.7	0.0107	7.9	0.13	68.3	5.4	63.9	36.3	-100.0	1552.9	68.3	5.4
11SJO-42-53	501	22561	1.8	20.9924	7.3	0.0706	7.6	0.0107	2.1	0.28	68.9	1.5	69.3	5.1	81.2	174.3	68.9	1.5
11SJO-42-66	319	6716	2.3	19.4399	19.4	0.0767	20.3	0.0108	5.9	0.29	69.4	4.1	75.1	14.7	260.6	450.2	69.4	4.1
11SJO-42-36	550	27972	3.3	21.3320	6.9	0.0708	7.1	0.0110	1.6	0.23	70.3	1.1	69.5	4.8	43.0	165.2	70.3	1.1
11SJO-42-52	104	6306	2.2	29.2314	62.2	0.0523	63.0	0.0111	10.1	0.16	71.1	7.1	51.8	31.8	-772.6	1921.8	71.1	7.1
11SJO-42-12	1182	48130	8.1	21.1479	4.7	0.0731	5.2	0.0112	2.2	0.42	71.8	1.5	71.6	3.6	63.7	111.6	71.8	1.5
11SJO-42-43	389	18694	1.9	19.5257	10.3	0.0795	10.7	0.0113	2.9	0.27	72.2	2.1	77.7	8.0	250.5	237.7	72.2	2.1
11SJO-42-46	99	4559	3.9	20.8904	38.5	0.0748	39.4	0.0113	8.7	0.22	72.7	6.3	73.3	27.9	92.8	942.0	72.7	6.3

11SJO-42-34	992	17443	7.8	20.0310	8.6	0.0782	8.7	0.0114	1.3	0.15	72.8	0.9	76.4	6.4	191.4	201.1	72.8	0.9
11SJO-42-56	171	9124	2.0	29.8136	54.0	0.0526	54.1	0.0114	3.7	0.07	72.9	2.7	52.1	27.5	-828.5	1645.1	72.9	2.7
11SJO-42-96	791	57906	9.5	20.4437	5.2	0.0771	5.3	0.0114	0.9	0.18	73.3	0.7	75.4	3.8	143.7	121.3	73.3	0.7
11SJO-42-4	394	26998	4.4	20.7157	13.8	0.0762	14.0	0.0114	2.3	0.16	73.3	1.6	74.5	10.1	112.6	327.3	73.3	1.6
11SJO-42-45	141	8070	2.8	23.8751	17.6	0.0662	18.0	0.0115	4.0	0.22	73.4	2.9	65.0	11.3	-233.4	445.5	73.4	2.9
11SJO-42-83	431	30265	4.7	22.4103	14.5	0.0712	14.7	0.0116	2.6	0.17	74.2	1.9	69.8	9.9	-76.2	356.4	74.2	1.9
11SJO-42-97	424	26002	4.0	21.5113	9.0	0.0743	9.6	0.0116	3.4	0.35	74.3	2.5	72.8	6.7	22.9	216.1	74.3	2.5
11SJO-42-6	1496	118609	2.8	20.6847	3.9	0.0775	4.1	0.0116	1.4	0.34	74.5	1.0	75.7	3.0	116.2	91.3	74.5	1.0
11SJO-42-57	570	42741	3.6	21.0226	4.5	0.0767	4.7	0.0117	1.4	0.30	74.9	1.1	75.0	3.4	77.8	107.2	74.9	1.1
11SJO-42-100	183	9615	3.6	18.9604	23.7	0.0855	24.5	0.0118	6.4	0.26	75.3	4.8	83.3	19.6	317.7	544.9	75.3	4.8
11SJO-42-62	957	12316	3.1	19.8904	6.1	0.0820	6.3	0.0118	1.5	0.24	75.8	1.1	80.0	4.8	207.8	141.0	75.8	1.1
11SJO-42-23	114	4986	2.4	21.8808	47.7	0.0748	48.4	0.0119	8.4	0.17	76.1	6.3	73.2	34.2	-18.0	1217.3	76.1	6.3
11SJO-42-68	137	2255	2.7	15.6404	23.2	0.1048	24.1	0.0119	6.8	0.28	76.2	5.2	101.2	23.3	739.5	496.1	76.2	5.2
11SJO-42-17	225	7541	5.0	21.6884	22.1	0.0766	23.6	0.0121	8.2	0.35	77.2	6.3	75.0	17.1	3.3	539.0	77.2	6.3
11SJO-42-15	83	3513	2.3	8.7156	172.0	0.1927	172.1	0.0122	7.2	0.04	78.0	5.6	178.9	290.0	1875.7	107.7	78.0	5.6
11SJO-42-76	251	19262	2.9	19.9518	9.3	0.0861	9.8	0.0125	3.0	0.31	79.8	2.4	83.9	7.9	200.6	215.8	79.8	2.4
11SJO-42-44	1400	93050	3.4	21.0227	3.8	0.0851	4.0	0.0130	1.0	0.26	83.1	0.9	82.9	3.2	77.8	91.0	83.1	0.9
11SJO-42-16	160	15103	2.6	22.2320	56.6	0.0815	56.9	0.0131	5.8	0.10	84.2	4.8	79.6	43.6	-56.7	1491.8	84.2	4.8
11SJO-42-38	78	3009	2.3	14.9791	146.3	0.1231	146.5	0.0134	7.0	0.05	85.6	6.0	117.9	164.4	830.3	741.2	85.6	6.0
11SJO-42-54	81	5238	2.6	-5.5894	750.7	-0.3301	750.8	0.0134	14.2	0.02	85.7	12.1	-406.8	#NUM!	0.0	717.5	85.7	12.1
11SJO-42-99	57	4183	2.6	16.1383	82.9	0.1160	83.4	0.0136	8.5	0.10	86.9	7.3	111.4	88.2	672.9	2281.5	86.9	7.3
11SJO-42-64	98	14591	3.6	34.7308	81.0	0.0545	81.2	0.0137	6.6	0.08	88.0	5.8	53.9	42.7	-1286.9	1179.9	88.0	5.8
11SJO-42-7	67	3329	2.5	21.9045	68.2	0.0867	68.9	0.0138	9.8	0.14	88.2	8.6	84.4	55.9	-20.7	1873.4	88.2	8.6
11SJO-42-63	474	31600	1.7	21.3271	7.6	0.0905	7.8	0.0140	1.6	0.20	89.6	1.4	87.9	6.5	43.6	181.7	89.6	1.4
11SJO-42-75	129	13883	1.5	19.9409	36.1	0.0984	36.3	0.0142	4.0	0.11	91.1	3.6	95.3	33.1	201.8	864.1	91.1	3.6
11SJO-42-91	168	12148	2.0	29.8984	37.0	0.0663	37.4	0.0144	5.3	0.14	92.0	4.8	65.1	23.6	-836.7	1088.3	92.0	4.8
11SJO-42-5	142	2980	1.5	16.8024	23.1	0.1215	23.8	0.0148	5.8	0.24	94.8	5.5	116.5	26.2	586.0	507.4	94.8	5.5
11SJO-42-79	1113	49551	2.3	21.1337	3.4	0.0987	3.8	0.0151	1.7	0.46	96.8	1.6	95.6	3.4	65.3	79.8	96.8	1.6
11SJO-42-42	103	8015	2.6	17.3452	22.6	0.1208	26.6	0.0152	14.1	0.53	97.2	13.6	115.8	29.1	516.6	501.3	97.2	13.6
11SJO-42-11	122	9331	5.3	20.2956	27.3	0.1090	27.7	0.0160	4.5	0.16	102.6	4.5	105.1	27.6	160.8	650.0	102.6	4.5
11SJO-42-92	217	60006	3.9	22.1634	13.1	0.1351	13.3	0.0217	2.1	0.16	138.5	2.9	128.7	16.1	-49.2	320.7	138.5	2.9
11SJO-42-86	49	6189	2.0	19.7938	41.7	0.1669	42.3	0.0240	7.6	0.18	152.6	11.4	156.7	61.6	219.0	1004.0	152.6	11.4
11SJO-42-80	211	17454	1.1	21.5893	10.2	0.1539	10.3	0.0241	1.5	0.14	153.5	2.2	145.4	13.9	14.3	244.9	153.5	2.2
11SJO-42-59	66	9285	2.8	18.6734	21.8	0.1795	23.2	0.0243	8.0	0.34	154.9	12.2	167.7	35.8	352.3	497.0	154.9	12.2
11SJO-42-9	144	13088	4.3	23.4420	17.9	0.1443	18.1	0.0245	3.1	0.17	156.3	4.7	136.9	23.2	-187.5	449.3	156.3	4.7
11SJO-42-27	783	59204	2.7	20.7874	2.6	0.1632	2.8	0.0246	1.0	0.36	156.7	1.5	153.5	4.0	104.5	61.3	156.7	1.5
11SJO-42-67	61	12007	2.5	19.6845	27.1	0.1761	29.6	0.0251	11.9	0.40	160.0	18.9	164.7	45.1	231.8	636.1	160.0	18.9
11SJO-42-88	61	8863	2.7	24.0085	46.3	0.1463	46.7	0.0255	6.6	0.14	162.1	10.5	138.6	60.6	-247.5	1228.6	162.1	10.5
11SJO-42-82	229	14274	2.1	23.3986	14.0	0.1518	14.1	0.0258	1.7	0.12	163.9	2.8	143.5	18.9	-182.9	351.3	163.9	2.8
11SJO-42-26	62	6520	4.2	26.5658	44.7	0.1338	45.1	0.0258	5.9	0.13	164.1	9.5	127.5	54.1	-510.4	1246.2	164.1	9.5
11SJO-42-61	197	18576	6.6	20.8012	9.6	0.1711	10.4	0.0258	4.0	0.39	164.3	6.5	160.4	15.5	102.9	227.9	164.3	6.5
11SJO-42-2	47	5188	3.8	17.2835	20.3	0.2061	22.7	0.0258	10.1	0.45	164.4	16.4	190.3	39.4	524.4	449.7	164.4	16.4
11SJO-42-30	101	14191	1.7	21.3858	29.7	0.1668	30.2	0.0259	5.3	0.18	164.7	8.6	156.6	43.9	37.0	725.9	164.7	8.6
11SJO-42-29	56	6731	2.4	25.7131	62.0	0.1401	62.1	0.0261	4.0	0.06	166.2	6.5	133.1	77.7	-424.1	1786.0	166.2	6.5
11SJO-42-84	196	32558	2.1	19.7164	8.1	0.1830	8.2	0.0262	1.6	0.20	166.5	2.7	170.7	12.9	228.1	187.0	166.5	2.7
11SJO-42-90	192	33134	3.7	20.0976	11.5	0.1861	11.7	0.0271	1.9	0.17	172.6	3.3	173.3	18.6	183.6	269.2	172.6	3.3
11SJO-42-33	201	22660	1.3	19.3732	10.8	0.1949	11.2	0.0274	3.0	0.27	174.2	5.2	180.8	18.5	268.5	247.3	174.2	5.2
11SJO-42-10	58	9644	3.2	16.7975	33.6	0.2281	34.6	0.0278	8.2	0.24	176.7	14.2	208.6	65.4	586.6	749.7	176.7	14.2
11SJO-42-95	58	8297	5.2	18.0377	35.9	0.2147	36.9	0.0281	8.2	0.22	178.6	14.4	197.5	66.2	430.0	825.7	178.6	14.4
11SJO-42-37	68	16894	1.8	27.3445	52.0	0.1430	52.2	0.0284	4.2	0.08	180.3	7.5	135.7	66.4	-588.1	1497.8	180.3	7.5

11SJO-42-70	112	14321	3.1	24.8946	19.7	0.1571	20.1	0.0284	3.6	0.18	180.3	6.4	148.2	27.7	-340.0	512.6	180.3	6.4
11SJO-42-85	177	21885	2.5	20.1966	13.3	0.1938	13.4	0.0284	1.9	0.14	180.4	3.4	179.8	22.1	172.2	310.6	180.4	3.4
11SJO-42-32	63	9763	3.6	23.1511	22.9	0.1882	23.6	0.0316	5.6	0.24	200.5	11.0	175.1	37.9	-156.4	575.2	200.5	11.0
11SJO-42-55	158	27358	3.4	21.5076	13.9	0.2043	14.0	0.0319	1.9	0.14	202.2	3.8	188.7	24.2	23.4	334.7	202.2	3.8
11SJO-42-39	730	13587	1.2	18.9364	2.0	0.2327	2.8	0.0320	1.9	0.69	202.8	3.9	212.4	5.4	320.6	45.9	202.8	3.9
11SJO-42-28	419	150819	2.0	19.4718	2.5	0.2356	2.6	0.0333	0.8	0.32	211.0	1.8	214.8	5.1	256.9	57.4	211.0	1.8
11SJO-42-3	113	29398	1.4	20.1236	14.4	0.2385	14.7	0.0348	2.9	0.19	220.6	6.2	217.2	28.8	180.6	337.6	220.6	6.2
11SJO-42-47	569	249305	3.1	19.8358	3.5	0.2454	5.8	0.0353	4.6	0.80	223.6	10.1	222.8	11.5	214.1	80.9	223.6	10.1
11SJO-42-20	145	58471	2.0	17.8814	5.6	0.4275	5.9	0.0554	1.9	0.32	347.9	6.3	361.4	17.9	449.3	124.3	347.9	6.3
11SJO-42-50	399	127919	10.1	17.9471	1.4	0.5440	1.5	0.0708	0.7	0.45	441.0	3.0	441.0	5.5	441.2	30.4	441.0	3.0
11SJO-42-72	179	89422	1.9	18.0019	3.6	0.5534	4.3	0.0723	2.3	0.54	449.8	10.0	447.3	15.4	434.4	79.8	449.8	10.0
11SJO-42-49	163	144373	2.1	17.4684	3.5	0.6502	3.7	0.0824	1.0	0.28	510.3	5.1	508.6	14.7	501.0	77.6	510.3	5.1
11SJO-42-41	133	85553	2.4	13.3046	2.1	1.8679	2.3	0.1802	1.1	0.45	1068.3	10.4	1069.8	15.4	1072.9	41.7	1072.9	41.7
11SJO-42-81	340	400732	2.5	12.1282	0.4	2.4930	0.6	0.2193	0.5	0.77	1278.1	5.7	1270.0	4.6	1256.3	8.1	1256.3	8.1
Sample 11CD-60, Ghost Rocks Fm (57.43846, -152.73250)																		
11CD-60-23	101	3589	2.3	26.0196	70.7	0.0521	71.1	0.0098	8.2	0.12	63.1	5.1	51.6	35.8	-455.3	2128.7	63.1	5.1
11CD-60-35	162	5704	1.8	23.3448	34.4	0.0583	34.7	0.0099	4.5	0.13	63.3	2.8	57.5	19.4	-177.1	879.5	63.3	2.8
11CD-60-22	612	43956	2.5	21.4759	7.4	0.0636	7.6	0.0099	1.8	0.24	63.6	1.1	62.6	4.6	26.9	177.7	63.6	1.1
11CD-60PC-67	203	8728	2.5	29.1048	33.1	0.0469	33.6	0.0099	6.2	0.18	63.6	3.9	46.6	15.3	-760.4	950.7	63.6	3.9
11CD-60-100	362	16958	2.0	22.9762	15.2	0.0596	15.3	0.0099	2.2	0.14	63.7	1.4	58.8	8.7	-137.6	377.0	63.7	1.4
11CD-60-73	107	10070	2.7	19.1826	38.9	0.0715	42.1	0.0099	16.1	0.38	63.8	10.2	70.1	28.5	291.1	920.0	63.8	10.2
11CD-60-90	282	18793	2.7	21.8684	18.4	0.0628	19.7	0.0100	7.0	0.36	63.9	4.5	61.8	11.8	-16.7	448.3	63.9	4.5
11CD-60-13	418	14560	3.1	22.0672	12.0	0.0623	12.3	0.0100	2.5	0.20	63.9	1.6	61.3	7.3	-38.6	293.4	63.9	1.6
11CD-60PC-71	417	19682	2.6	20.8478	12.9	0.0660	13.1	0.0100	2.1	0.16	64.0	1.4	64.9	8.2	97.6	306.1	64.0	1.4
11CD-60PC-61	741	23956	1.8	21.3640	7.8	0.0646	8.2	0.0100	2.6	0.32	64.2	1.7	63.5	5.1	39.5	186.8	64.2	1.7
11CD-60-3	248	11398	2.9	23.4421	33.4	0.0594	33.5	0.0101	3.6	0.11	64.8	2.3	58.6	19.1	-187.5	853.9	64.8	2.3
11CD-60PC-66	275	10281	3.0	23.5647	16.5	0.0592	16.8	0.0101	3.3	0.20	64.9	2.1	58.4	9.5	-200.5	415.5	64.9	2.1
11CD-60PC-97	814	33342	1.5	21.9578	8.7	0.0636	9.0	0.0101	2.2	0.25	65.0	1.5	62.6	5.5	-26.6	212.2	65.0	1.5
11CD-60-32	297	11599	5.5	21.3777	26.9	0.0654	27.2	0.0101	4.1	0.15	65.0	2.6	64.3	17.0	37.9	654.9	65.0	2.6
11CD-60-61	293	17059	2.8	24.0550	15.5	0.0581	15.7	0.0101	2.2	0.14	65.0	1.4	57.3	8.7	-252.4	395.2	65.0	1.4
11CD-60-33	361	16018	1.7	25.1656	22.8	0.0555	23.2	0.0101	4.1	0.18	65.0	2.6	54.9	12.4	-368.0	598.3	65.0	2.6
11CD-60-96	130	4428	2.3	19.0228	32.7	0.0736	33.2	0.0102	5.9	0.18	65.1	3.8	72.1	23.1	310.2	762.8	65.1	3.8
11CD-60PC-40	396	9690	2.5	22.8649	15.2	0.0612	15.5	0.0102	3.4	0.22	65.1	2.2	60.3	9.1	-125.6	376.1	65.1	2.2
11CD-60-19	538	43762	2.3	21.3887	13.4	0.0655	13.6	0.0102	2.4	0.18	65.1	1.6	64.4	8.5	36.6	320.8	65.1	1.6
11CD-60-40	481	18923	1.9	23.3225	22.9	0.0601	23.0	0.0102	1.8	0.08	65.2	1.1	59.3	13.2	-174.7	578.3	65.2	1.1
11CD-60-54	211	11365	3.4	18.1623	15.1	0.0773	15.9	0.0102	4.8	0.30	65.3	3.1	75.6	11.6	414.6	339.4	65.3	3.1
11CD-60-41	169	7235	3.7	12.6254	217.6	0.1113	217.6	0.0102	4.0	0.02	65.4	2.6	107.2	224.9	1177.3	883.6	65.4	2.6
11CD-60-95	340	14252	2.7	24.5541	13.9	0.0573	14.2	0.0102	2.6	0.19	65.4	1.7	56.5	7.8	-304.7	357.3	65.4	1.7
11CD-60PC-69	914	52631	3.9	21.2903	5.5	0.0661	5.6	0.0102	1.1	0.19	65.5	0.7	65.0	3.5	47.7	130.7	65.5	0.7
11CD-60-65	237	12568	2.8	21.0149	23.5	0.0671	24.4	0.0102	6.5	0.27	65.6	4.2	65.9	15.6	78.7	564.7	65.6	4.2
11CD-60-87	183	8390	2.9	16.8789	22.5	0.0835	22.7	0.0102	3.0	0.13	65.6	1.9	81.5	17.8	576.1	494.9	65.6	1.9
11CD-60PC-96	188	9244	2.5	21.2861	32.1	0.0663	32.4	0.0102	4.8	0.15	65.6	3.1	65.2	20.5	48.2	783.5	65.6	3.1
11CD-60-24	210	12041	2.8	19.3142	28.6	0.0731	28.8	0.0102	3.3	0.12	65.6	2.2	71.6	19.9	275.5	668.4	65.6	2.2
11CD-60-56	527	31175	2.0	22.0588	13.1	0.0640	13.2	0.0102	1.5	0.11	65.7	1.0	63.0	8.0	-37.7	318.8	65.7	1.0
11CD-60-25	340	21978	2.8	24.3371	17.6	0.0580	17.9	0.0102	3.2	0.18	65.7	2.1	57.3	10.0	-282.0	452.0	65.7	2.1
11CD-60PC-82	209	8741	3.3	22.0439	26.0	0.0641	26.3	0.0102	3.5	0.13	65.7	2.3	63.1	16.1	-36.0	641.3	65.7	2.3
11CD-60-55	260	22830	3.0	23.2372	22.2	0.0608	23.3	0.0103	6.8	0.29	65.8	4.5	60.0	13.5	-165.6	558.9	65.8	4.5
11CD-60PC-68	222	5422	2.6	22.8517	19.7	0.0619	20.1	0.0103	4.4	0.22	65.8	2.9	61.0	11.9	-124.1	489.4	65.8	2.9
11CD-60PC-25	251	9349	2.3	19.6197	19.5	0.0721	20.0	0.0103	4.5	0.22	65.8	2.9	70.7	13.6	239.5	452.3	65.8	2.9

11CD-60-82	264	12697	2.5	23.9072	30.4	0.0592	30.5	0.0103	2.4	0.08	65.8	1.6	58.4	17.3	-236.8	783.5	65.8	1.6
11CD-60-88	120	6324	2.7	21.9196	49.5	0.0646	50.0	0.0103	7.4	0.15	65.9	4.9	63.6	30.8	-22.3	1269.2	65.9	4.9
11CD-60-47	89	7225	2.2	15.4735	84.8	0.0915	85.6	0.0103	11.5	0.13	65.9	7.5	88.9	73.0	762.2	2358.4	65.9	7.5
11CD-60-26	654	72390	1.9	21.3933	8.1	0.0662	8.3	0.0103	1.8	0.22	65.9	1.2	65.1	5.2	36.1	194.3	65.9	1.2
11CD-60-92	486	27508	2.1	25.1924	16.6	0.0563	17.0	0.0103	3.5	0.21	66.0	2.3	55.7	9.2	-370.8	433.4	66.0	2.3
11CD-60-9	271	12999	2.4	23.6757	14.6	0.0600	15.1	0.0103	3.9	0.26	66.0	2.5	59.1	8.7	-212.3	367.6	66.0	2.5
11CD-60-37	223	9406	3.1	23.4913	28.0	0.0605	28.4	0.0103	4.7	0.17	66.1	3.1	59.6	16.4	-192.7	712.4	66.1	3.1
11CD-60-99	458	15833	3.2	26.0154	10.6	0.0546	10.7	0.0103	1.2	0.11	66.1	0.8	54.0	5.6	-454.8	279.8	66.1	0.8
11CD-60-42	381	38518	2.9	20.7352	19.4	0.0685	19.6	0.0103	2.2	0.11	66.1	1.4	67.3	12.7	110.4	462.9	66.1	1.4
11CD-60-4	484	17422	2.1	19.6902	16.4	0.0722	16.8	0.0103	3.4	0.20	66.2	2.2	70.8	11.5	231.1	382.0	66.2	2.2
11CD-60PC-65	311	9039	2.2	21.1588	11.9	0.0672	12.2	0.0103	2.7	0.22	66.2	1.8	66.1	7.8	62.5	284.4	66.2	1.8
11CD-60PC-3	354	21936	2.4	24.9268	13.0	0.0571	13.2	0.0103	1.9	0.14	66.2	1.2	56.4	7.2	-343.4	336.8	66.2	1.2
11CD-60PC-89	848	28320	2.2	20.8831	3.9	0.0682	4.6	0.0103	2.5	0.54	66.3	1.6	67.0	3.0	93.6	91.9	66.3	1.6
11CD-60-46	1538	90153	1.6	20.9104	3.7	0.0682	3.9	0.0103	1.4	0.35	66.3	0.9	67.0	2.5	90.5	87.1	66.3	0.9
11CD-60PC-27	255	6000	2.0	20.7279	14.4	0.0689	15.1	0.0104	4.5	0.30	66.4	3.0	67.6	9.9	111.2	342.5	66.4	3.0
11CD-60-79	211	13157	2.2	19.4542	15.0	0.0734	15.9	0.0104	5.2	0.33	66.4	3.4	71.9	11.0	258.9	346.5	66.4	3.4
11CD-60-70	198	7668	3.1	20.7625	21.7	0.0688	22.4	0.0104	5.8	0.26	66.4	3.8	67.5	14.6	107.3	516.9	66.4	3.8
11CD-60-58	362	24623	3.0	21.7536	18.7	0.0657	19.1	0.0104	3.7	0.19	66.4	2.4	64.6	12.0	-4.0	455.6	66.4	2.4
11CD-60-94	546	20730	2.4	20.4144	6.8	0.0701	7.3	0.0104	2.5	0.35	66.5	1.7	68.8	4.9	147.1	160.7	66.5	1.7
11CD-60-64	483	28951	1.2	21.2526	13.0	0.0673	13.2	0.0104	1.9	0.15	66.6	1.3	66.2	8.4	51.9	311.7	66.6	1.3
11CD-60-69	355	20196	4.1	24.8742	24.5	0.0576	24.8	0.0104	3.5	0.14	66.6	2.3	56.8	13.7	-337.9	639.0	66.6	2.3
11CD-60PC-18	159	3155	2.0	20.6686	31.9	0.0693	32.3	0.0104	5.2	0.16	66.6	3.4	68.1	21.3	118.0	768.3	66.6	3.4
11CD-60PC-15	449	8857	1.7	20.2484	8.2	0.0708	8.4	0.0104	1.8	0.21	66.7	1.2	69.4	5.6	166.2	192.1	66.7	1.2
11CD-60-45	122	4936	4.4	20.6813	29.0	0.0693	29.9	0.0104	7.5	0.25	66.7	5.0	68.0	19.7	116.6	696.3	66.7	5.0
11CD-60-18	272	19609	2.6	20.0956	12.4	0.0713	12.9	0.0104	3.6	0.28	66.7	2.4	70.0	8.8	183.9	290.7	66.7	2.4
11CD-60PC-81	220	9915	2.3	21.1962	13.7	0.0676	14.0	0.0104	3.0	0.22	66.7	2.0	66.5	9.0	58.2	328.0	66.7	2.0
11CD-60-74	315	28301	3.0	22.2564	21.0	0.0645	21.2	0.0104	3.0	0.14	66.7	2.0	63.4	13.0	-59.4	515.7	66.7	2.0
11CD-60PC-60	155	2065	2.7	21.8767	24.2	0.0657	25.0	0.0104	6.2	0.25	66.8	4.1	64.6	15.6	-17.6	592.7	66.8	4.1
11CD-60PC-55	270	8729	1.5	23.5797	13.7	0.0610	14.1	0.0104	3.4	0.24	66.9	2.3	60.1	8.2	-202.1	343.7	66.9	2.3
11CD-60-48	116	8639	2.6	17.1094	34.3	0.0842	35.9	0.0104	10.5	0.29	67.0	7.0	82.1	28.3	546.6	770.1	67.0	7.0
11CD-60-12	229	12803	2.1	28.2232	38.8	0.0511	39.1	0.0105	5.2	0.13	67.1	3.5	50.6	19.3	-674.6	1104.5	67.1	3.5
11CD-60-59	1450	126227	4.5	21.0172	3.4	0.0688	3.5	0.0105	1.1	0.31	67.3	0.7	67.6	2.3	78.4	79.8	67.3	0.7
11CD-60PC-35	440	11613	2.6	22.0194	12.6	0.0658	12.8	0.0105	2.3	0.18	67.4	1.5	64.7	8.0	-33.3	305.5	67.4	1.5
11CD-60PC-10	227	11195	1.9	27.2654	26.8	0.0632	27.4	0.0105	5.6	0.20	67.5	3.8	52.6	14.0	-580.2	735.6	67.5	3.8
11CD-60-77	651	24673	2.3	21.2777	8.9	0.0685	9.4	0.0106	2.9	0.31	67.8	2.0	67.3	6.1	49.1	213.3	67.8	2.0
11CD-60-5	212	8605	2.5	22.0049	24.2	0.0663	24.4	0.0106	3.5	0.14	67.8	2.3	65.1	15.4	-31.7	594.3	67.8	2.3
11CD-60-57	218	7212	2.1	21.7577	18.7	0.0670	19.2	0.0106	4.4	0.23	67.8	3.0	65.9	12.3	-4.4	454.9	67.8	3.0
11CD-60-71	215	9657	2.5	24.4842	37.4	0.0596	37.7	0.0106	4.2	0.11	67.9	2.8	58.8	21.5	-297.4	985.5	67.9	2.8
11CD-60PC-75	447	6366	1.4	18.6994	8.6	0.0781	9.7	0.0106	4.3	0.45	67.9	2.9	76.3	7.1	349.1	195.7	67.9	2.9
11CD-60PC-21	275	7360	3.4	22.0136	16.1	0.0663	16.7	0.0106	4.4	0.27	67.9	3.0	65.2	10.6	-32.7	393.1	67.9	3.0
11CD-60-39	663	41145	4.9	22.6713	5.6	0.0644	5.9	0.0106	1.8	0.30	68.0	1.2	63.4	3.6	-104.6	138.7	68.0	1.2
11CD-60-72	909	34241	2.7	21.1282	4.9	0.0695	5.5	0.0107	2.6	0.47	68.3	1.8	68.3	3.7	65.9	116.5	68.3	1.8
11CD-60PC-53	460	11201	5.1	23.5570	10.8	0.0625	11.0	0.0107	2.3	0.21	68.4	1.6	61.5	6.6	-199.7	270.8	68.4	1.6
11CD-60-89	385	25287	5.3	21.2531	21.4	0.0695	22.0	0.0107	5.0	0.23	68.7	3.4	68.2	14.5	51.9	515.5	68.7	3.4
11CD-60-66	606	32432	4.6	22.1232	15.6	0.0668	15.6	0.0107	1.3	0.09	68.7	0.9	65.7	9.9	-44.8	380.0	68.7	0.9
11CD-60PC-70	390	7586	1.1	20.8994	17.0	0.0711	17.1	0.0108	1.6	0.09	69.1	1.1	69.7	11.5	91.7	404.9	69.1	1.1
11CD-60-81	693	36229	2.8	22.2708	9.0	0.0668	9.1	0.0108	1.4	0.16	69.2	1.0	65.7	5.8	-61.0	220.7	69.2	1.0
11CD-60-20	478	27152	2.0	22.8047	10.0	0.0655	11.5	0.0108	5.6	0.49	69.4	3.9	64.4	7.2	-119.0	247.8	69.4	3.9
11CD-60PC-43	350	856	3.0	20.4705	15.8	0.0730	16.1	0.0108	3.0	0.19	69.5	2.1	71.5	11.1	140.7	372.8	69.5	2.1
11CD-60-84	550	23218	3.6	20.6918	10.8	0.0723	11.4	0.0108	3.9	0.34	69.6	2.7	70.9	7.8	115.4	254.3	69.6	2.7

11CD-60-76	84	2787	4.5	19.4464	50.4	0.0775	53.0	0.0109	16.5	0.31	70.1	11.5	75.8	38.8	259.8	1232.9	70.1	11.5
11CD-60-6	1034	94770	1.4	22.2333	6.8	0.0682	7.2	0.0110	2.2	0.31	70.5	1.5	66.9	4.7	-56.8	167.0	70.5	1.5
11CD-60-17	346	27053	2.5	23.4618	20.7	0.0667	20.9	0.0113	2.4	0.11	72.7	1.7	65.5	13.2	-189.6	523.2	72.7	1.7
11CD-60PC-64	419	11260	3.8	22.3799	8.7	0.0702	8.9	0.0114	2.0	0.23	73.1	1.5	68.9	5.9	-72.9	211.8	73.1	1.5
11CD-60PC-84	148	5392	2.2	23.1809	33.2	0.0691	34.1	0.0116	7.6	0.22	74.5	5.7	67.9	22.4	-159.6	844.7	74.5	5.7
11CD-60PC-93	208	7044	2.7	19.9712	17.3	0.0821	17.6	0.0119	3.3	0.19	76.2	2.5	80.1	13.5	198.3	403.3	76.2	2.5
11CD-60PC-83	206	15462	1.5	20.9074	15.1	0.0868	15.7	0.0132	4.1	0.26	84.3	3.5	84.5	12.7	90.9	360.5	84.3	3.5
11CD-60-67	167	12951	2.9	23.3449	28.3	0.0787	29.1	0.0133	7.0	0.24	85.3	5.9	76.9	21.6	-177.1	717.3	85.3	5.9
11CD-60-51	209	13466	2.2	31.0384	49.5	0.0594	49.7	0.0134	4.2	0.08	85.6	3.6	58.6	28.3	-944.9	1527.1	85.6	3.6
11CD-60-28	132	12132	3.0	21.5798	22.7	0.0860	23.4	0.0135	5.3	0.23	86.2	4.6	83.8	18.8	15.3	552.5	86.2	4.6
11CD-60-10	189	17696	2.7	21.1282	29.6	0.0916	29.8	0.0140	3.8	0.13	89.8	3.4	89.0	25.4	65.9	717.3	89.8	3.4
11CD-60-53	508	22856	1.7	20.9631	8.8	0.0957	9.1	0.0146	2.1	0.24	93.2	2.0	92.8	8.0	84.5	209.4	93.2	2.0
11CD-60-75	134	11785	1.6	20.1776	25.3	0.1027	25.9	0.0150	5.4	0.21	96.2	5.2	99.3	24.5	174.4	599.1	96.2	5.2
11CD-60-98	120	11248	1.7	21.9771	19.4	0.0948	20.1	0.0151	5.4	0.27	96.7	5.2	92.0	17.7	-28.7	473.6	96.7	5.2
11CD-60-2	386	16564	2.4	21.2995	16.5	0.0980	16.6	0.0151	1.7	0.10	96.9	1.6	94.9	15.0	46.7	396.2	96.9	1.6
11CD-60PC-58	80	4331	1.8	19.6487	30.6	0.1095	31.1	0.0156	5.2	0.17	99.8	5.1	105.5	31.1	236.0	721.7	99.8	5.1
11CD-60-52	496	33630	2.4	20.2380	5.8	0.1090	6.0	0.0160	1.3	0.21	102.3	1.3	105.0	5.9	167.4	136.2	102.3	1.3
11CD-60-93	67	5525	1.9	42.3458	50.3	0.0579	51.0	0.0178	8.6	0.17	113.6	9.7	57.2	28.4	-1965.4	36.8	113.6	9.7
11CD-60-80	440	43151	5.7	20.0025	5.0	0.1654	7.2	0.0240	5.1	0.71	152.8	7.7	155.4	10.3	194.7	116.9	152.8	7.7
11CD-60PC-62	103	11183	2.0	20.4131	15.5	0.1624	15.8	0.0240	3.0	0.19	153.1	4.5	152.8	22.4	147.2	364.6	153.1	4.5
11CD-60PC-80	226	13710	1.9	21.0669	11.0	0.1581	11.3	0.0242	2.5	0.22	153.9	3.8	149.0	15.7	72.8	263.0	153.9	3.8
11CD-60-21	220	22890	2.8	19.0748	10.3	0.1751	11.1	0.0242	4.2	0.37	154.3	6.3	163.8	16.8	304.0	235.2	154.3	6.3
11CD-60-43	59	7902	3.6	21.8672	29.4	0.1529	29.9	0.0242	5.2	0.18	154.4	8.0	144.4	40.2	-16.5	724.7	154.4	8.0
11CD-60-50	219	59677	2.5	20.8807	15.0	0.1628	15.3	0.0247	2.6	0.17	157.0	4.1	153.2	21.7	93.9	358.1	157.0	4.1
11CD-60PC-72	166	15964	2.1	23.0493	27.8	0.1485	27.9	0.0248	2.2	0.08	158.1	3.5	140.6	36.6	-145.4	700.3	158.1	3.5
11CD-60PC-78	44	3757	1.9	15.9398	35.9	0.2165	36.3	0.0250	5.5	0.15	159.3	8.6	199.0	65.7	699.3	789.0	159.3	8.6
11CD-60PC-91	300	33373	1.3	20.5779	8.5	0.1690	8.8	0.0252	2.4	0.27	160.6	3.8	158.5	12.9	128.4	199.8	160.6	3.8
11CD-60PC-34	98	11866	3.0	22.3482	10.9	0.1562	11.6	0.0253	4.0	0.34	161.2	6.3	147.4	16.0	-69.4	267.9	161.2	6.3
11CD-60PC-48	101	7287	3.3	23.4071	20.8	0.1494	21.9	0.0254	7.1	0.32	161.5	11.3	141.4	29.0	-183.8	523.3	161.5	11.3
11CD-60-34	171	28374	7.2	20.1313	12.7	0.1737	13.1	0.0254	3.5	0.27	161.5	5.6	162.6	19.7	179.7	296.2	161.5	5.6
11CD-60-30	92	12938	1.8	21.3999	25.2	0.1636	25.5	0.0254	4.4	0.17	161.7	7.1	153.9	36.5	35.4	610.6	161.7	7.1
11CD-60PC-32	85	7864	2.5	22.2012	33.2	0.1578	33.5	0.0254	3.9	0.12	161.8	6.2	148.8	46.3	-53.3	829.1	161.8	6.2
11CD-60PC-57	72	4773	2.7	19.8682	9.5	0.1776	11.3	0.0256	6.0	0.54	162.9	9.7	166.0	17.2	210.3	220.7	162.9	9.7
11CD-60PC-51	205	16585	3.6	19.8472	7.4	0.1794	7.8	0.0258	2.5	0.32	164.4	4.1	167.6	12.0	212.8	171.0	164.4	4.1
11CD-60-78	317	65342	1.7	20.1378	3.7	0.1773	4.2	0.0259	2.0	0.47	164.8	3.3	165.7	6.5	179.0	87.1	164.8	3.3
11CD-60PC-38	79	6609	2.7	19.6169	14.4	0.1830	15.1	0.0260	4.4	0.29	165.7	7.2	170.7	23.7	239.8	334.2	165.7	7.2
11CD-60PC-52	83	7274	3.2	18.4600	21.1	0.1956	21.4	0.0262	3.5	0.16	166.7	5.8	181.4	35.6	378.1	480.3	166.7	5.8
11CD-60-68	51	10846	3.5	22.5906	37.1	0.1600	37.8	0.0262	7.2	0.19	166.8	11.9	150.7	53.0	-95.8	939.6	166.8	11.9
11CD-60PC-28	134	6812	0.6	22.9726	19.9	0.1578	20.6	0.0263	5.3	0.26	167.3	8.7	148.8	28.4	-137.2	495.6	167.3	8.7
11CD-60PC-30	220	15598	5.5	20.1962	9.7	0.1799	10.1	0.0264	3.0	0.30	167.7	5.0	168.0	15.7	172.2	225.8	167.7	5.0
11CD-60PC-85	79	5049	2.6	27.5079	33.7	0.1336	33.9	0.0267	3.2	0.10	169.5	5.4	127.3	40.6	-604.3	939.8	169.5	5.4
11CD-60-1	353	49906	3.9	18.8624	2.9	0.1948	3.6	0.0267	2.1	0.59	169.6	3.5	180.7	5.9	329.4	65.6	169.6	3.5
11CD-60PC-56	232	10176	2.5	19.5964	6.8	0.1875	7.2	0.0267	2.6	0.36	169.6	4.4	174.5	11.6	242.2	155.7	169.6	4.4
11CD-60PC-47	86	4893	3.3	22.3556	18.3	0.1644	18.8	0.0267	4.5	0.24	169.6	7.5	154.6	27.0	-70.2	449.9	169.6	7.5
11CD-60PC-16	67	6948	2.6	25.0484	41.9	0.1472	42.5	0.0267	6.9	0.16	170.1	11.6	139.4	55.4	-355.9	1126.6	170.1	11.6
11CD-60PC-11	299	32138	3.0	20.2509	4.0	0.1836	4.4	0.0270	1.8	0.40	171.5	3.0	171.1	6.9	165.9	94.2	171.5	3.0
11CD-60-3	278	34949	2.6	20.2444	9.6	0.1842	9.7	0.0271	1.3	0.13	172.1	2.2	171.7	15.3	166.7	224.8	172.1	2.2
11CD-60PC-22	125	4739	3.3	19.1668	22.6	0.1952	23.0	0.0271	4.4	0.19	172.6	7.5	181.1	38.1	293.0	521.0	172.6	7.5
11CD-60PC-19	373	41881	2.1	21.1263	2.4	0.1778	3.3	0.0272	2.3	0.70	173.3	3.9	166.2	5.0	66.1	56.2	173.3	3.9
11CD-60PC-54	181	9821	2.7	20.4112	4.6	0.1855	5.9	0.0275	3.7	0.62	174.6	6.3	172.8	9.4	147.5	107.9	174.6	6.3

11CD-60-27	88	13881	3.6	23.0693	29.6	0.1644	30.1	0.0275	5.1	0.17	175.0	8.9	154.6	43.2	-147.6	748.9	175.0	8.9
11CD-60-86	195	15262	2924.5	21.8897	11.7	0.1741	12.3	0.0276	3.5	0.29	175.7	6.2	163.0	18.5	-19.0	284.6	175.7	6.2
11CD-60PC-49	194	15800	2.9	20.3862	5.9	0.1902	6.6	0.0281	3.1	0.46	178.7	5.4	176.8	10.7	150.3	137.5	178.7	5.4
11CD-60-91	281	25900	2.0	20.2822	7.4	0.1919	7.8	0.0282	2.5	0.32	179.4	4.4	178.2	12.8	162.3	173.5	179.4	4.4
11CD-60-8	196	19335	2.6	21.7051	10.8	0.1808	11.0	0.0285	2.3	0.21	180.9	4.2	168.8	17.1	1.4	260.3	180.9	4.2
11CD-60-44	305	54993	1.1	20.5567	6.5	0.1959	6.7	0.0292	1.3	0.20	185.6	2.4	181.7	11.1	130.8	153.4	185.6	2.4
11CD-60PC-87	441	30053	1.9	20.3541	4.2	0.2040	5.0	0.0301	2.8	0.56	191.3	5.3	188.5	8.6	154.0	97.7	191.3	5.3
11CD-60-14	329	47390	4.4	20.7801	6.3	0.2005	6.5	0.0302	1.6	0.24	191.9	3.0	185.5	11.1	105.3	149.8	191.9	3.0
11CD-60PC-41	184	15026	1.8	20.8949	7.0	0.1995	7.2	0.0302	1.8	0.25	192.0	3.4	184.7	12.2	92.3	166.1	192.0	3.4
11CD-60-7	178	25808	2.2	21.3138	12.6	0.1956	13.2	0.0302	3.7	0.28	192.0	7.0	181.4	21.9	45.0	302.9	192.0	7.0
11CD-60PC-45	50	6480	3.2	26.9517	35.7	0.1549	36.1	0.0303	5.4	0.15	192.3	10.3	146.3	49.3	-549.0	986.9	192.3	10.3
11CD-60-60	195	14448	1.7	19.9319	11.8	0.2103	11.9	0.0304	1.6	0.14	193.1	3.1	193.8	20.9	202.9	273.6	193.1	3.1
11CD-60PC-79	236	22704	2.5	20.0934	6.8	0.2132	7.6	0.0311	3.5	0.46	197.2	6.8	196.2	13.6	184.1	158.4	197.2	6.8
11CD-60PC-36	401	57738	1.9	20.3676	3.5	0.2104	4.1	0.0311	2.2	0.53	197.3	4.3	193.9	7.3	152.5	82.2	197.3	4.3
11CD-60-31	233	41280	2.8	20.8822	10.6	0.2056	10.7	0.0311	1.3	0.12	197.7	2.5	189.9	18.5	93.7	252.1	197.7	2.5
11CD-60-29	852	103488	2.9	19.8484	2.7	0.2166	3.7	0.0312	2.4	0.66	197.9	4.7	199.1	6.6	212.6	63.5	197.9	4.7
11CD-60PC-8	121	10822	2.8	22.3226	16.9	0.1930	17.5	0.0312	4.7	0.27	198.3	9.2	179.2	28.8	-66.6	414.9	198.3	9.2
11CD-60-97	275	33424	2.4	20.2592	9.6	0.2187	9.7	0.0321	1.3	0.13	203.9	2.6	200.8	17.6	165.0	224.8	203.9	2.6
11CD-60PC-44	128	26234	2.4	19.1030	13.3	0.2333	13.5	0.0323	2.1	0.16	205.1	4.3	212.9	25.9	300.7	305.3	205.1	4.3
11CD-60-63	437	77145	2.8	20.1671	5.8	0.2298	5.9	0.0336	0.9	0.15	213.1	1.9	210.0	11.1	175.6	135.4	213.1	1.9
11CD-60PC-6	457	44173	2.5	19.8728	4.2	0.2362	4.8	0.0340	2.1	0.45	215.8	4.5	215.3	9.2	209.8	98.5	215.8	4.5
11CD-60PC-5	818	134446	1.7	19.8041	2.3	0.2382	2.7	0.0342	1.5	0.55	216.8	3.2	216.9	5.3	217.8	52.6	216.8	3.2
11CD-60-49	77	11087	2.7	20.6210	14.3	0.3006	14.4	0.0450	2.1	0.15	283.5	5.9	266.8	33.8	123.4	337.1	283.5	5.9
11CD-60PC-86	683	153854	1.9	18.4471	1.3	0.4425	4.1	0.0592	3.9	0.95	370.8	14.1	372.0	12.9	379.7	30.3	370.8	14.1
11CD-60-11	490	136818	1.9	18.3611	0.9	0.4464	1.2	0.0594	0.7	0.60	372.3	2.5	374.8	3.7	390.2	21.0	372.3	2.5
11CD-60PC-12	182	50676	0.9	18.0534	2.3	0.5807	3.1	0.0760	2.1	0.67	472.4	9.5	464.9	11.6	428.0	51.3	472.4	9.5
11CD-60PC-50	175	39466	1.1	17.2649	3.6	0.7293	3.9	0.0913	1.5	0.38	563.4	7.9	556.1	16.6	526.8	78.6	563.4	7.9
11CD-60PC-26	157	41867	0.3	16.1429	1.6	0.8872	2.2	0.1039	1.5	0.68	637.1	8.9	644.9	10.3	672.3	34.1	637.1	8.9
11CD-60PC-7	218	126308	1.3	16.3910	1.3	0.8833	1.5	0.1050	0.8	0.54	643.7	5.0	642.8	7.2	639.6	27.4	643.7	5.0
11CD-60PC-23	105	43314	1.5	16.6753	3.4	0.9014	3.6	0.1090	1.1	0.32	667.0	7.3	652.5	17.1	602.4	72.9	667.0	7.3
11CD-60PC-2	189	154433	4.7	15.6214	2.2	1.0339	4.4	0.1171	3.8	0.87	714.0	25.8	720.9	22.7	742.1	46.4	714.0	25.8
11CD-60PC-77	55	13185	0.8	13.7703	8.0	1.4756	8.9	0.1474	4.1	0.46	886.2	33.7	920.4	54.2	1003.4	162.0	1003.4	162.0
11CD-60PC-13	505	500724	3.8	13.5374	0.4	1.7823	1.3	0.1750	1.2	0.94	1039.5	11.5	1039.0	8.3	1037.9	8.6	1037.9	8.6
11CD-60PC-88	60	53279	2.1	13.4868	2.5	1.9264	3.3	0.1884	2.1	0.65	1112.9	21.7	1090.3	21.9	1045.5	50.1	1045.5	50.1
11CD-60-85	57	16003	0.6	12.5441	6.5	2.1565	6.6	0.1962	1.3	0.20	1154.9	14.0	1167.2	45.7	1190.1	127.5	1190.1	127.5
11CD-60PC-59	84	35374	1.8	12.1182	1.4	2.3565	2.2	0.2071	1.6	0.75	1213.4	17.9	1229.5	15.4	1257.9	27.8	1257.9	27.8
11CD-60PC-46	143	101266	2.6	12.0466	0.8	2.5351	1.6	0.2215	1.4	0.86	1289.8	15.9	1282.2	11.6	1269.5	15.9	1269.5	15.9
11CD-60PC-4	70	53795	1.6	11.6079	2.0	2.6150	3.3	0.2202	2.7	0.80	1282.7	31.0	1304.9	24.6	1341.5	39.1	1341.5	39.1
11CD-60PC-98	153	103517	4.3	11.5342	0.6	2.8236	2.1	0.2362	2.0	0.96	1367.0	24.5	1361.8	15.5	1353.8	10.6	1353.8	10.6
11CD-60PC-14	939	277766	3.0	11.4504	1.2	2.4612	2.5	0.2044	2.2	0.88	1198.9	24.0	1260.7	18.0	1367.8	22.7	1367.8	22.7
11CD-60PC-29	159	48558	3.0	11.1106	1.4	1.7289	2.8	0.1393	2.4	0.86	840.8	18.8	1019.4	17.8	1425.6	26.8	1425.6	26.8
11CD-60PC-90	137	122903	2.3	10.8385	2.9	3.5599	5.5	0.2798	4.6	0.84	1590.5	65.0	1540.6	43.3	1472.8	55.6	1472.8	55.6
11CD-60PC-63	72	65654	2.8	10.6181	2.0	3.4306	2.4	0.2642	1.3	0.54	1511.2	17.6	1511.4	19.0	1511.7	38.5	1511.7	38.5
11CD-60PC-9	81	68945	1.2	10.5653	1.2	3.6224	2.9	0.2776	2.6	0.90	1579.1	36.3	1554.5	22.9	1521.1	23.3	1521.1	23.3
11CD-60-36	520	820577	4.2	9.9690	0.2	3.9810	0.9	0.2878	0.8	0.97	1630.7	12.0	1630.3	7.0	1629.8	3.9	1629.8	3.9
11CD-60PC-76	103	90326	2.0	9.9052	1.0	4.0667	2.3	0.2921	2.1	0.91	1652.3	30.3	1647.7	18.7	1641.8	17.7	1641.8	17.7
11CD-60PC-74	179	43457	1.0	9.8524	0.4	4.1944	3.8	0.2997	3.8	0.99	1689.9	55.8	1672.9	31.0	1651.7	8.0	1651.7	8.0
11CD-60PC-39	253	75065	1.0	9.4949	0.5	3.2849	7.0	0.2262	7.0	1.00	1314.6	83.0	1477.5	54.5	1719.9	9.6	1719.9	9.6
11CD-60PC-24	105	154130	3.4	9.3678	0.7	4.6739	1.9	0.3176	1.8	0.94	1777.8	28.3	1762.6	16.2	1744.6	12.2	1744.6	12.2

11CD-60PC-99	90	482375	1.4	8.9111	0.7	5.3104	1.9	0.3432	1.8	0.92	1902.1	28.8	1870.5	16.2	1835.7	13.3	1835.7	13.3
11CD-60PC-1	176	180866	2.3	8.5037	0.6	5.7831	1.1	0.3567	1.0	0.84	1966.4	16.4	1943.9	9.9	1920.0	11.0	1920.0	11.0
11CD-60PC-95	420	404631	2.5	8.0924	0.2	6.2487	1.7	0.3667	1.6	0.99	2014.1	28.5	2011.3	14.5	2008.4	3.0	2008.4	3.0
11CD-60PC-17	295	429926	1.6	7.9872	0.5	6.5198	2.7	0.3777	2.6	0.98	2065.5	46.2	2048.6	23.5	2031.6	9.7	2031.6	9.7
11CD-60-83	285	575085	1.2	7.6743	0.3	6.9603	1.0	0.3874	1.0	0.97	2110.8	18.3	2106.4	9.3	2102.1	4.4	2102.1	4.4
11CD-60PC-73	681	24335	1.9	7.6045	0.4	5.8608	9.2	0.3232	9.2	1.00	1805.5	144.7	1955.5	79.9	2118.1	7.1	2118.1	7.1
11CD-60PC-100	243	192065	1.5	6.8003	0.2	8.7545	1.7	0.4318	1.6	0.99	2313.7	32.0	2312.8	15.2	2311.9	4.0	2311.9	4.0
11CD-60PC-33	148	165556	1.4	5.8362	0.3	10.8612	1.2	0.4597	1.1	0.96	2438.4	22.8	2511.3	10.8	2570.8	5.3	2570.8	5.3
11CD-60PC-94	35	21439	1.2	5.3305	0.7	11.3598	3.2	0.4392	3.1	0.97	2346.9	60.4	2553.1	29.5	2721.2	12.2	2721.2	12.2
11CD-60PC-20	23	20341	1.5	5.0649	1.2	15.8481	2.1	0.5822	1.8	0.83	2957.6	41.8	2867.7	20.2	2805.1	19.2	2805.1	19.2
11CD-60PC-92	207	380064	1.9	4.9405	0.4	14.7954	2.0	0.5301	2.0	0.98	2742.1	44.7	2802.2	19.3	2845.7	5.9	2845.7	5.9
Sample JG10-14, Sitkalidak Fm (57.43698, -152.40967)																		
JG10-14-9	190	14731	2.5	19.1298	26.5	0.0616	27.3	0.0086	6.4	0.23	54.9	3.5	60.7	16.1	297.4	614.1	54.9	3.5
JG10-14-27	473	17683	4.8	21.2780	12.7	0.0583	14.3	0.0090	6.6	0.46	57.8	3.8	57.6	8.0	49.1	305.5	57.8	3.8
JG10-14-12	1735	68049	2.7	21.4513	4.1	0.0579	4.7	0.0090	2.2	0.46	57.8	1.2	57.2	2.6	29.7	99.3	57.8	1.2
JG10-14-11	872	51154	2.2	21.8247	3.7	0.0577	4.4	0.0091	2.4	0.54	58.7	1.4	57.0	2.4	-11.8	89.1	58.7	1.4
JG10-14-26	1049	61607	2.7	23.0042	12.9	0.0550	13.0	0.0092	1.9	0.15	58.9	1.1	54.3	6.9	-140.6	320.1	58.9	1.1
JG10-14-96	466	20675	3.3	20.2904	12.0	0.0624	12.2	0.0092	2.1	0.17	58.9	1.2	61.4	7.3	161.4	282.3	58.9	1.2
JG10-5	269	9891	3.4	21.2441	35.5	0.0597	35.8	0.0092	4.3	0.12	59.0	2.5	58.9	20.5	52.9	872.5	59.0	2.5
JG10-14-8	304	21438	3.4	20.5923	21.7	0.0622	22.3	0.0093	4.9	0.22	59.6	2.9	61.3	13.2	126.8	517.0	59.6	2.9
JG10-14-17	377	15220	5.9	20.1530	15.0	0.0637	15.3	0.0093	3.1	0.20	59.8	1.8	62.7	9.3	177.2	352.2	59.8	1.8
JG10-14-70	429	40453	4.7	19.9844	13.9	0.0643	14.4	0.0093	3.7	0.25	59.8	2.2	63.3	8.8	196.8	324.0	59.8	2.2
JG10-14-75	308	13734	4.8	17.8521	20.2	0.0737	20.8	0.0095	5.0	0.24	61.2	3.1	72.2	14.5	453.0	451.9	61.2	3.1
JG10-14-18	218	15682	2.1	28.8961	37.8	0.0458	38.1	0.0096	4.0	0.11	61.6	2.5	45.5	16.9	-740.2	1091.7	61.6	2.5
JG10-14-37	115	4066	3.1	19.2129	88.8	0.0720	89.8	0.0100	13.2	0.15	64.3	8.4	70.6	61.3	287.6	2781.8	64.3	8.4
JG10-14-30	307	20394	2.5	24.2629	25.4	0.0589	25.6	0.0104	3.1	0.12	66.4	2.1	58.1	14.4	-274.3	654.6	66.4	2.1
JG10-14-33	67	4503	3.0	1.6628	714.8	0.9067	714.8	0.0109	11.5	0.02	70.1	8.0	655.3	#NUM!	0.0	518.2	70.1	8.0
JG10-14-49	79	6852	2.0	19.1059	125.4	0.0793	125.5	0.0110	6.5	0.05	70.4	4.6	77.4	93.9	300.3	1013.9	70.4	4.6
JG10-14-60	402	18449	2.1	25.4480	17.6	0.0605	17.7	0.0112	2.3	0.13	71.6	1.7	59.6	10.3	-397.0	460.3	71.6	1.7
JG10-14-14	229	9285	5.1	22.9108	21.5	0.0679	21.9	0.0113	4.4	0.20	72.3	3.2	66.7	14.1	-130.5	535.6	72.3	3.2
JG10-14-84	113	4831	2.4	-1.6514	2302.2	-0.9525	2302.3	0.0114	13.1	0.01	73.1	9.5	-3093.7	#NUM!	0.0	717.5	73.1	9.5
JG10-14-86	75	7692	2.1	0.1792	20860.	8.8156	20860.	0.0115	9.5	0.00	73.4	6.9	2319.1	#NUM!	#VALU	770.8	73.4	6.9
JG10-14-12	95	6875	2.1	26.6470	71.3	0.0601	71.9	0.0116	9.1	0.13	74.4	6.7	59.3	41.4	-518.5	2181.3	74.4	6.7
JG10=14-81	78	4789	1.7	18.9685	55.1	0.0849	55.9	0.0117	9.8	0.17	74.8	7.3	82.7	44.4	316.7	1352.9	74.8	7.3
JG10-14-90	232	15059	2.4	20.0932	17.1	0.0802	19.0	0.0117	8.3	0.44	74.9	6.2	78.4	14.3	184.2	400.2	74.9	6.2
JG10-14-76	217	12564	2.5	23.7183	40.8	0.0682	40.8	0.0117	2.1	0.05	75.1	1.6	67.0	26.4	-216.8	1063.0	75.1	1.6
JG10-14-19	83	5529	2.6	16.9477	100.4	0.0959	101.0	0.0118	11.3	0.11	75.6	8.5	93.0	90.0	567.3	608.2	75.6	8.5
JG10-14-80	53	2474	2.3	10.2312	221.2	0.1597	221.5	0.0119	12.2	0.05	76.0	9.2	150.5	320.0	1581.4	557.6	76.0	9.2
JG10-14-36	55	2832	2.9	4.1486	431.0	0.3975	431.2	0.0120	12.8	0.03	76.7	9.7	339.9	#NUM!	3126.9	17.3	76.7	9.7
JG10-14-87	517	36488	2.0	19.0614	8.3	0.0870	9.1	0.0120	3.9	0.43	77.0	3.0	84.7	7.4	305.6	188.9	77.0	3.0
JG10-14-22	140	7480	2.0	19.8501	28.7	0.0842	28.9	0.0121	3.2	0.11	77.6	2.5	82.0	22.8	212.4	677.6	77.6	2.5
JG10-14-34	58	2202	2.6	10.5364	85.7	0.1588	86.2	0.0121	9.5	0.11	77.8	7.4	149.7	120.6	1526.3	122.9	77.8	7.4
JG10-14-60	108	4771	1.7	23.0297	62.7	0.0732	63.2	0.0122	7.5	0.12	78.3	5.8	71.7	43.8	-143.3	1719.3	78.3	5.8
JG10-14-47	468	27594	2.7	20.1209	16.3	0.0842	16.4	0.0123	1.9	0.12	78.7	1.5	82.1	12.9	180.9	381.8	78.7	1.5
JG10-14-50	73	5763	2.2	15.2404	138.7	0.1120	139.3	0.0124	11.9	0.09	79.3	9.4	107.8	143.4	794.1	718.4	79.3	9.4
JG10-14-68	88	4270	1.9	29.4864	77.8	0.0580	78.4	0.0124	9.4	0.12	79.5	7.4	57.3	43.7	-797.1	2614.6	79.5	7.4
JG10-14-83	78	5163	3.2	15.1007	33.0	0.1148	34.2	0.0126	9.0	0.26	80.5	7.2	110.3	35.8	813.4	709.0	80.5	7.2
JG10-14-54	378	14548	9.9	23.3508	16.1	0.0746	16.4	0.0126	3.1	0.19	80.9	2.5	73.1	11.5	-177.7	402.8	80.9	2.5
JG10-14-98	52	3009	2.4	9.9181	138.6	0.1757	139.1	0.0126	11.0	0.08	81.0	8.9	164.4	214.1	1639.4	105.7	81.0	8.9

JG10-14-71	101	4553	1.6	16.5484	32.4	0.1057	32.7	0.0127	3.8	0.12	81.2	3.1	102.0	31.7	618.9	717.8	81.2	3.1
JG10-14-25	64	4613	2.0	60.5372	139.2	0.0291	139.9	0.0128	13.8	0.10	81.7	11.2	29.1	40.1	0.0	0.0	81.7	11.2
JG10-14-88	269	15351	1.4	21.6070	19.9	0.0822	20.0	0.0129	2.0	0.10	82.5	1.7	80.2	15.4	12.3	482.7	82.5	1.7
JG10-4	190	17000	2.4	20.5486	20.8	0.0878	21.2	0.0131	4.3	0.20	83.8	3.5	85.5	17.4	131.7	493.6	83.8	3.5
JG10-14-64	57	3843	1.8	2.7656	524.1	0.6726	524.2	0.0135	11.1	0.02	86.4	9.6	522.3	#NUM!	3756.5	263.7	86.4	9.6
JG10-14-69	180	14516	4.0	17.4719	25.1	0.1076	25.4	0.0136	3.8	0.15	87.3	3.3	103.8	25.0	500.6	559.8	87.3	3.3
JG10-14-97	220	16731	2.4	21.3091	19.5	0.0891	19.8	0.0138	3.6	0.18	88.2	3.1	86.7	16.4	45.6	468.7	88.2	3.1
JG10-14-94	94	5271	3.9	19.1861	22.4	0.0992	23.0	0.0138	4.9	0.22	88.4	4.3	96.1	21.1	290.7	518.5	88.4	4.3
JG10-14-93	101	6771	2.1	18.5894	38.5	0.1027	38.9	0.0138	5.5	0.14	88.7	4.9	99.3	36.8	362.4	898.7	88.7	4.9
JG10-14-58	91	5422	2.5	26.4173	60.1	0.0724	60.4	0.0139	5.1	0.08	88.9	4.5	71.0	41.4	-495.4	1744.4	88.9	4.5
JG10-14-16	76	4855	1.9	19.4653	45.7	0.0986	46.6	0.0139	9.2	0.20	89.1	8.1	95.5	42.5	257.6	1103.5	89.1	8.1
JG10-14-72	88	6023	2.0	19.9935	47.1	0.0963	47.6	0.0140	7.1	0.15	89.4	6.3	93.4	42.5	195.8	1153.7	89.4	6.3
JG10-14-57	165	7991	1.8	27.6547	25.5	0.0701	25.7	0.0141	2.8	0.11	90.0	2.5	68.8	17.1	-618.8	705.3	90.0	2.5
JG10-14-20	72	3028	2.5	21.3786	72.8	0.0916	73.1	0.0142	6.8	0.09	90.9	6.1	89.0	62.4	37.8	2031.2	90.9	6.1
JG10-14-38	149	12254	1.6	28.3449	44.2	0.0692	44.6	0.0142	6.0	0.13	91.0	5.4	67.9	29.3	-686.5	1275.7	91.0	5.4
JG10-14-46	130	6845	1.5	27.3488	47.0	0.0724	47.2	0.0144	4.3	0.09	91.9	3.9	71.0	32.4	-588.5	1338.2	91.9	3.9
JG10-14-89	227	26426	1.9	19.7094	11.2	0.1009	12.0	0.0144	4.4	0.37	92.3	4.0	97.6	11.2	228.9	259.7	92.3	4.0
JG10-14-74	76	12525	1.8	14.5439	38.3	0.1376	38.7	0.0145	5.3	0.14	92.9	4.9	130.9	47.5	891.5	820.4	92.9	4.9
JG10-14-100	106	6827	1.8	16.2966	32.9	0.1251	33.2	0.0148	4.6	0.14	94.6	4.3	119.7	37.5	651.9	724.8	94.6	4.3
JG10-14-24	76	4442	1.5	22.4900	47.9	0.0928	48.2	0.0151	4.9	0.10	96.9	4.7	90.1	41.6	-84.9	1238.5	96.9	4.7
JG10-14-67	139	13801	3.9	21.4115	28.6	0.1002	28.8	0.0156	3.1	0.11	99.5	3.1	97.0	26.6	34.1	697.0	99.5	3.1
JG10-14-82	321	31476	2.1	21.5273	12.3	0.1011	12.7	0.0158	3.2	0.25	101.0	3.2	97.8	11.9	21.2	297.2	101.0	3.2
JG10-14-95	474	8525	2.5	18.4240	6.5	0.1264	6.5	0.0169	0.5	0.08	107.9	0.6	120.8	7.4	382.5	145.4	107.9	0.6
JG10-14-10	128	32412	2.5	21.1764	20.6	0.1475	20.8	0.0227	2.7	0.13	144.4	3.8	139.7	27.2	60.5	496.3	144.4	3.8
JG10-14-31	50	7095	4.7	34.5791	58.6	0.0953	59.0	0.0239	6.5	0.11	152.2	9.8	92.4	52.1	-1273.1	1993.7	152.2	9.8
JG10-14-3	87	8054	75.8	23.0761	26.7	0.1438	27.7	0.0241	7.3	0.26	153.3	11.0	136.4	35.3	-148.3	672.1	153.3	11.0
JG10-14-32	57	6953	2.2	19.4440	32.6	0.1730	32.9	0.0244	4.1	0.13	155.4	6.4	162.0	49.3	260.2	767.6	155.4	6.4
JG10-14-52	47	5903	2.6	13.0621	103.9	0.2596	104.3	0.0246	9.2	0.09	156.6	14.2	234.3	221.7	1109.7	258.4	156.6	14.2
JG10-14-2	51	7841	3.1	23.7912	62.2	0.1442	63.0	0.0249	10.3	0.16	158.5	16.1	136.8	80.9	-224.6	1726.6	158.5	16.1
JG10-14-28	42	4433	2.7	23.9432	33.5	0.1444	34.8	0.0251	9.8	0.28	159.7	15.4	137.0	44.7	-240.6	865.5	159.7	15.4
JG10-14-65	193	25254	3.2	22.5754	12.4	0.1535	12.6	0.0251	2.1	0.17	160.0	3.3	145.0	17.0	-94.2	305.0	160.0	3.3
JG10-14-1	131	15232	3.7	18.8483	18.5	0.1860	18.9	0.0254	4.1	0.22	161.8	6.6	173.2	30.2	331.2	422.6	161.8	6.6
JG10-14-42	50	7117	3.0	18.7399	33.2	0.1872	34.5	0.0254	9.2	0.27	161.9	14.8	174.2	55.3	344.2	771.5	161.9	14.8
JG10-14-63	75	16039	2.1	25.1036	73.6	0.1419	73.9	0.0258	6.2	0.08	164.4	10.1	134.7	93.5	-361.6	2215.7	164.4	10.1
JG10-14-78	85	9991	2.2	25.4892	34.0	0.1417	34.1	0.0262	2.7	0.08	166.7	4.5	134.6	43.0	-401.2	909.4	166.7	4.5
JG10-14-23	313	49682	3.5	21.4600	4.8	0.1690	5.6	0.0263	2.9	0.52	167.4	4.9	158.6	8.3	28.7	114.9	167.4	4.9
JG10-14-43	52	3896	3.1	24.3911	48.6	0.1488	49.0	0.0263	6.1	0.12	167.5	10.1	140.8	64.5	-287.7	1308.3	167.5	10.1
JG10-14-59	65	9903	2.3	22.3514	35.0	0.1646	35.3	0.0267	4.7	0.13	169.7	7.9	154.7	50.7	-69.8	877.9	169.7	7.9
JG10-14-7	70	6692	3.7	23.1456	49.6	0.1620	50.4	0.0272	9.2	0.18	173.0	15.8	152.5	71.5	-155.8	1303.5	173.0	15.8
JG10-14-15	164	23321	1.7	20.7142	16.0	0.1884	16.2	0.0283	2.7	0.16	179.9	4.7	175.2	26.1	112.8	379.0	179.9	4.7
JG10-14-39	37	6600	2.6	17.1281	59.9	0.2394	60.8	0.0297	10.5	0.17	188.9	19.5	217.9	119.8	544.2	1442.7	188.9	19.5
JG10-14-62	151	26892	2.7	19.0366	10.1	0.2193	10.3	0.0303	2.1	0.20	192.3	3.9	201.3	18.8	308.6	230.7	192.3	3.9
JG10-14-6	215	35374	3.1	19.8651	12.9	0.2130	13.0	0.0307	2.1	0.16	194.9	4.1	196.1	23.2	210.7	298.9	194.9	4.1
JG10-14-99	324	70541	8.8	19.4488	5.9	0.2190	6.1	0.0309	1.6	0.26	196.1	3.0	201.1	11.2	259.6	136.6	196.1	3.0
JG10-14-91	170	31361	2.0	20.5463	9.8	0.2306	9.9	0.0344	1.7	0.17	217.8	3.7	210.7	18.9	132.0	230.5	217.8	3.7
JG10-14-55	256	59881	3.9	20.1232	6.3	0.2390	6.5	0.0349	1.4	0.22	221.0	3.1	217.6	12.6	180.7	146.8	221.0	3.1
JG10-14-73	30	4080	3.1	8.9760	146.9	0.3989	147.2	0.0260	9.7	0.07	165.3	15.9	340.9	454.3	1822.5	24.5	1822.5	24.5
Sample 11SJO-34, Sitkalidak Fm (57.42846, -152.32520)																		
11SJO-34-19	113	7789	3.7	-5.9647	600.3	-0.1875	600.4	0.0081	8.4	0.01	52.1	4.4	-210.8	#NUM!	0.0	415.6	52.1	4.4

11SJO-34Y-27	1502	32064	2.2	20.7242	3.0	0.0554	3.1	0.0083	0.8	0.25	53.4	0.4	54.7	1.7	111.7	71.8	53.4	0.4
11SJO-34-49	411	15824	2.1	20.8204	16.3	0.0556	16.5	0.0084	2.5	0.15	53.9	1.3	55.0	8.8	100.7	388.4	53.9	1.3
11SJO-34Y-19	1099	24660	2.6	20.9119	4.6	0.0561	5.0	0.0085	1.7	0.34	54.6	0.9	55.4	2.7	90.3	110.2	54.6	0.9
11SJO-34Y-3	1346	40126	2.6	21.1350	5.5	0.0562	5.7	0.0086	1.2	0.21	55.3	0.7	55.6	3.1	65.1	132.2	55.3	0.7
11SJO-34PC-8	536	15710	2.2	20.2927	14.8	0.0589	14.9	0.0087	2.1	0.14	55.7	1.1	58.2	8.4	161.1	346.9	55.7	1.1
11SJO-34Y-1	262	9838	3.4	19.1171	14.4	0.0629	14.7	0.0087	3.0	0.21	56.0	1.7	62.0	8.9	298.9	330.4	56.0	1.7
11SJO-34-88	66	3751	2.0	13.3844	80.8	0.0904	82.1	0.0088	14.6	0.18	56.3	8.2	87.9	69.2	1060.8	2065.4	56.3	8.2
11SJO-34Y-14	316	9431	4.1	21.7261	10.6	0.0561	10.9	0.0088	2.5	0.23	56.7	1.4	55.4	5.9	-0.9	256.0	56.7	1.4
11SJO-34-21	256	18953	3.2	28.4444	33.1	0.0441	33.4	0.0091	4.7	0.14	58.4	2.7	43.9	14.3	-696.2	937.9	58.4	2.7
11SJO-34Y-41	748	11744	2.5	21.2701	5.4	0.0595	5.5	0.0092	1.2	0.22	58.9	0.7	58.7	3.1	50.0	128.0	58.9	0.7
11SJO-34Y-23	645	27419	3.2	20.7060	7.2	0.0613	7.6	0.0092	2.2	0.29	59.1	1.3	60.4	4.4	113.8	171.2	59.1	1.3
11SJO-34Y-20	455	3700	2.3	19.6379	14.4	0.0647	15.4	0.0092	5.6	0.37	59.1	3.3	63.7	9.5	237.3	333.0	59.1	3.3
11SJO-34-92	797	44667	4.0	22.0501	7.9	0.0577	8.0	0.0092	1.3	0.17	59.2	0.8	56.9	4.4	-36.7	190.9	59.2	0.8
11SJO-34Y-25	458	15473	4.1	22.9573	6.8	0.0560	7.3	0.0093	2.6	0.36	59.8	1.6	55.3	3.9	-135.5	168.7	59.8	1.6
11SJO-34-68	721	51040	3.5	22.1715	9.4	0.0580	9.6	0.0093	1.8	0.19	59.9	1.1	57.3	5.3	-50.1	229.2	59.9	1.1
11SJO-34-53	346	13721	3.9	21.1070	14.7	0.0614	15.0	0.0094	2.8	0.18	60.3	1.7	60.5	8.8	68.3	351.5	60.3	1.7
11SJO-34Y-26	134	4133	4.2	21.3466	27.8	0.0608	28.1	0.0094	4.2	0.15	60.4	2.5	59.9	16.4	41.4	676.9	60.4	2.5
11SJO-34-41	475	10580	2.9	21.0691	16.0	0.0626	16.5	0.0096	4.1	0.25	61.4	2.5	61.6	9.9	72.6	382.9	61.4	2.5
11SJO-34-54	260	11984	3.4	21.0643	22.4	0.0636	22.8	0.0097	4.1	0.18	62.3	2.5	62.6	13.8	73.1	539.3	62.3	2.5
11SJO-34Y-11	552	13545	3.8	21.4312	7.3	0.0637	7.9	0.0099	3.1	0.39	63.5	2.0	62.7	4.8	31.9	174.4	63.5	2.0
11SJO-34PC-41	107	3218	5.2	17.7374	30.6	0.0781	31.8	0.0100	8.4	0.27	64.4	5.4	76.3	23.4	467.3	693.6	64.4	5.4
11SJO-34Y-35	833	5575	4.3	20.7076	6.7	0.0670	7.0	0.0101	2.1	0.30	64.6	1.3	65.9	4.5	113.6	158.0	64.6	1.3
11SJO-34Y-18	1582	89513	3.9	21.2970	2.6	0.0659	2.7	0.0102	0.8	0.30	65.3	0.5	64.8	1.7	47.0	61.4	65.3	0.5
11SJO-34-2	607	33676	4.5	20.1548	8.2	0.0701	8.7	0.0103	2.9	0.33	65.8	1.9	68.8	5.8	177.0	190.6	65.8	1.9
11SJO-34-93	1124	51386	3.2	20.5966	4.5	0.0689	4.8	0.0103	1.9	0.39	66.0	1.2	67.6	3.2	126.3	104.8	66.0	1.2
11SJO-34-67	125	11912	5.2	21.1436	52.9	0.0681	53.3	0.0104	6.5	0.12	67.0	4.3	66.9	34.5	64.2	1347.8	67.0	4.3
11SJO-34-40	190	9877	3.5	26.7390	43.0	0.0544	43.3	0.0105	5.1	0.12	67.6	3.4	53.8	22.7	-527.7	1199.6	67.6	3.4
11SJO-34Y-6	329	5565	1.2	18.9166	18.8	0.0771	19.1	0.0106	3.3	0.17	67.8	2.2	75.4	13.9	323.0	429.7	67.8	2.2
11SJO-34Y-17	1166	75479	2.8	20.8899	3.4	0.0701	3.8	0.0106	1.8	0.46	68.1	1.2	68.8	2.6	92.8	80.8	68.1	1.2
11SJO-34Y-30	369	1284	1.3	20.1584	12.4	0.0734	12.7	0.0107	2.8	0.22	68.8	1.9	71.9	8.8	176.6	289.3	68.8	1.9
11SJO-34-47	186	8304	2.6	21.9541	20.7	0.0675	21.4	0.0108	5.3	0.25	68.9	3.6	66.4	13.7	-26.1	505.7	68.9	3.6
11SJO-34-23	561	8134	2.0	18.8381	9.0	0.0788	9.3	0.0108	2.0	0.22	69.0	1.4	77.0	6.9	332.4	205.5	69.0	1.4
11SJO-34-73	123	4808	3.4	20.7572	18.4	0.0716	19.7	0.0108	7.1	0.36	69.1	4.9	70.2	13.4	107.9	438.3	69.1	4.9
11SJO-34-11	302	16740	3.6	16.9304	13.9	0.0879	14.4	0.0108	3.7	0.26	69.2	2.5	85.5	11.8	569.5	303.7	69.2	2.5
11SJO-34-17	120	8361	2.0	23.7534	74.6	0.0627	75.1	0.0108	8.8	0.12	69.3	6.1	61.8	45.0	-220.6	2199.9	69.3	6.1
11SJO-34Y-42	306	5644	2.3	20.3662	21.2	0.0738	21.4	0.0109	3.3	0.16	69.9	2.3	72.3	15.0	152.7	500.6	69.9	2.3
11SJO-34-39	200	9898	1.8	20.7065	35.5	0.0728	35.9	0.0109	5.4	0.15	70.1	3.8	71.3	24.7	113.7	861.1	70.1	3.8
11SJO-34-66	96	18251	2.9	14.7600	36.1	0.1021	38.2	0.0109	12.4	0.33	70.1	8.7	98.7	36.0	860.9	774.4	70.1	8.7
11SJO-34Y-13	124	5004	2.2	27.5487	24.8	0.0550	25.6	0.0110	6.2	0.24	70.5	4.4	54.4	13.5	-608.3	683.2	70.5	4.4
11SJO-34-43	967	40357	3.5	20.6199	5.7	0.0740	6.2	0.0111	2.3	0.38	70.9	1.6	72.5	4.3	123.5	135.0	70.9	1.6
11SJO-34-14	253	22315	2.9	20.6279	16.3	0.0742	16.6	0.0111	3.2	0.19	71.2	2.3	72.7	11.6	122.6	385.1	71.2	2.3
11SJO-34-9	102	13959	2.0	1.1445	3557.2	1.3396	3557.2	0.0111	9.6	0.00	71.3	6.8	863.0	#NUM!	0.0	961.3	71.3	6.8
11SJO-34-10	320	11308	1.5	23.9247	23.7	0.0645	23.8	0.0112	2.5	0.10	71.7	1.8	63.5	14.7	-238.7	605.9	71.7	1.8
11SJO-34-35	194	7404	3.5	21.3801	32.0	0.0722	32.7	0.0112	6.7	0.21	71.8	4.8	70.8	22.4	37.6	782.8	71.8	4.8
11SJO-34-79	78	4095	3.2	17.7832	63.2	0.0877	64.5	0.0113	12.7	0.20	72.5	9.2	85.3	52.8	461.6	1566.5	72.5	9.2
11SJO-34-24	628	52739	2.9	21.6571	8.7	0.0721	9.1	0.0113	2.7	0.30	72.6	1.9	70.7	6.2	6.7	209.4	72.6	1.9
11SJO-34-42	88	4171	2.5	27.1430	65.5	0.0576	66.2	0.0113	9.7	0.15	72.6	7.0	56.8	36.6	-568.1	1966.4	72.6	7.0
11SJO-34-59	145	7431	1.7	17.0000	24.6	0.0920	25.5	0.0113	6.7	0.26	72.7	4.8	89.4	21.9	560.6	544.8	72.7	4.8
11SJO-34Y-46	175	7534	3.6	21.7388	34.7	0.0726	35.9	0.0114	9.2	0.26	73.4	6.7	71.2	24.7	-2.3	860.2	73.4	6.7
11SJO-34-37	130	5413	2.5	29.6895	46.5	0.0532	46.9	0.0114	6.2	0.13	73.4	4.5	52.6	24.1	-816.6	1387.4	73.4	4.5

11SJO-34-78	122	4614	2.6	29.2076	53.2	0.0541	53.5	0.0115	5.4	0.10	73.4	3.9	53.5	27.9	-770.3	1596.9	73.4	3.9
11SJO-34-50	630	42901	4.8	20.4331	9.8	0.0773	10.0	0.0115	1.9	0.19	73.4	1.4	75.6	7.3	144.9	230.9	73.4	1.4
11SJO-34-60	137	8217	2.8	18.2971	40.1	0.0864	40.6	0.0115	6.7	0.16	73.5	4.9	84.1	32.8	398.0	933.6	73.5	4.9
11SJO-34-22	464	15367	3.4	24.7740	10.0	0.0639	10.0	0.0115	1.2	0.12	73.6	0.9	62.9	6.1	-327.5	256.7	73.6	0.9
11SJO-34Y-36	566	4002	1.8	19.9654	9.8	0.0795	9.9	0.0115	1.5	0.15	73.8	1.1	77.7	7.4	199.0	227.0	73.8	1.1
11SJO-34-65	286	15082	4.0	21.9499	15.0	0.0723	15.5	0.0115	3.7	0.24	73.8	2.7	70.9	10.6	-25.7	365.4	73.8	2.7
11SJO-34-3	196	19991	2.7	26.1612	22.9	0.0608	23.2	0.0115	4.0	0.17	74.0	2.9	60.0	13.5	-469.6	611.3	74.0	2.9
11SJO-34-58	203	13488	2.3	25.0782	28.6	0.0637	29.4	0.0116	6.8	0.23	74.2	5.0	62.7	17.9	-359.0	753.0	74.2	5.0
11SJO-34-12	102	5083	2.6	23.7488	182.9	0.0674	183.0	0.0116	7.1	0.04	74.4	5.3	66.2	117.8	-220.1	0.0	74.4	5.3
11SJO-34-61	69	3101	3.2	-0.4628	6350.7	-3.4660	6350.7	0.0116	-46.3	0.00	74.6	12.1	#NUM!	#NUM!	0.0	371.7	74.6	12.1
11SJO-34-30	75	2947	2.1	12.9953	87.1	0.1235	87.6	0.0116	8.6	0.10	74.6	6.4	118.2	98.0	1119.9	140.1	74.6	6.4
11SJO-34Y-38	1063	19637	4.5	20.6999	3.9	0.0780	4.6	0.0117	2.5	0.55	75.0	1.9	76.2	3.4	114.5	91.1	75.0	1.9
11SJO-34-13	143	5174	2.4	22.8249	59.8	0.0707	60.0	0.0117	5.1	0.08	75.0	3.8	69.4	40.3	-121.2	1612.5	75.0	3.8
11SJO-34-84	1082	58023	2.9	20.9267	3.5	0.0772	3.7	0.0117	1.3	0.34	75.1	0.9	75.5	2.7	88.7	83.0	75.1	0.9
11SJO-34-90	68	2682	2.3	13.7507	47.9	0.1179	48.5	0.0118	7.7	0.16	75.3	5.7	113.1	51.9	1006.2	1031.8	75.3	5.7
11SJO-34-96	46	3087	2.8	13.8729	75.4	0.1172	77.5	0.0118	17.6	0.23	75.6	13.2	112.6	82.7	988.3	1859.4	75.6	13.2
11SJO-34Y-2	100	1167	1.8	20.7466	28.0	0.0788	28.9	0.0119	7.0	0.24	76.0	5.3	77.1	21.4	109.1	673.6	76.0	5.3
11SJO-34-64	229	10348	4.9	20.9683	25.0	0.0782	25.2	0.0119	3.7	0.14	76.2	2.8	76.4	18.6	83.9	600.2	76.2	2.8
11SJO-34-80	715	79078	14.5	19.8154	6.3	0.0831	6.8	0.0119	2.6	0.38	76.6	2.0	81.1	5.3	216.5	145.8	76.6	2.0
11SJO-34Y-40	79	1923	2.0	23.0424	57.2	0.0721	58.0	0.0120	9.8	0.17	77.2	7.5	70.6	39.6	-144.7	1535.7	77.2	7.5
11SJO-34-32	107	7509	1.7	32.6233	55.7	0.0509	56.2	0.0120	7.5	0.13	77.2	5.7	50.4	27.7	-1093.2	1805.1	77.2	5.7
11SJO-34Y-7	200	5335	1.9	20.5888	12.8	0.0814	13.0	0.0122	2.3	0.18	77.9	1.8	79.4	10.0	127.1	303.2	77.9	1.8
11SJO-34PC-24	904	8398	4.1	20.2400	6.9	0.0828	7.0	0.0122	1.2	0.18	77.9	1.0	80.8	5.4	167.2	160.6	77.9	1.0
11SJO-34-100	150	6274	1.3	20.4766	25.4	0.0821	26.1	0.0122	6.2	0.24	78.1	4.8	80.1	20.1	140.0	604.2	78.1	4.8
11SJO-34-46	78	3028	2.6	19.7855	98.5	0.0851	99.5	0.0122	14.0	0.14	78.3	10.9	82.9	79.4	220.0		78.3	10.9
11SJO-34-63	321	15151	2.1	20.9583	20.2	0.0805	20.7	0.0122	4.6	0.22	78.4	3.6	78.7	15.6	85.1	482.3	78.4	3.6
11SJO-34-34	650	37230	4.6	21.9363	6.4	0.0771	6.6	0.0123	1.6	0.25	78.6	1.3	75.4	4.8	-24.2	154.5	78.6	1.3
11SJO-34PC-17	257	7412	1.4	21.8928	16.3	0.0772	16.5	0.0123	3.1	0.19	78.6	2.4	75.5	12.0	-19.4	395.5	78.6	2.4
11SJO-34Y-9	176	10174	1.6	21.8908	15.9	0.0773	16.7	0.0123	5.1	0.31	78.6	4.0	75.6	12.2	-19.2	385.8	78.6	4.0
11SJO-34-87	503	29632	3.5	20.3485	8.6	0.0833	9.6	0.0123	4.2	0.44	78.8	3.3	81.3	7.5	154.7	201.1	78.8	3.3
11SJO-34-51	83	3908	1.5	19.1045	30.1	0.0889	32.0	0.0123	10.9	0.34	78.9	8.5	86.4	26.5	300.5	701.2	78.9	8.5
11SJO-34-28	506	27469	7.5	20.7997	14.1	0.0817	14.4	0.0123	2.7	0.19	78.9	2.1	79.7	11.0	103.1	334.7	78.9	2.1
11SJO-34Y-16	152	8715	2.3	25.5128	17.8	0.0666	18.3	0.0123	4.3	0.23	79.0	3.4	65.5	11.6	-403.6	468.6	79.0	3.4
11SJO-34-25	63	8873	2.4	38.8163	85.2	0.0441	86.0	0.0124	11.7	0.14	79.5	9.3	43.8	36.9	-1654.0	1300.9	79.5	9.3
11SJO-34Y-22	388	13755	2.4	21.7491	7.2	0.0787	7.7	0.0124	2.7	0.35	79.5	2.1	76.9	5.7	-3.5	173.6	79.5	2.1
11SJO-34PC-44	58	2360	1.4	26.8975	66.8	0.0642	68.0	0.0125	13.1	0.19	80.3	10.5	63.2	41.7	-543.6	2007.6	80.3	10.5
11SJO-34Y-24	915	15560	4.0	20.3943	5.3	0.0851	5.5	0.0126	1.7	0.30	80.6	1.3	82.9	4.4	149.4	123.8	80.6	1.3
11SJO-34-83	105	8379	2.8	22.9931	54.3	0.0757	54.5	0.0126	5.3	0.10	80.9	4.2	74.1	39.0	-139.4	1441.7	80.9	4.2
11SJO-34PC-22	238	11751	1.8	21.2887	22.4	0.0820	22.7	0.0127	3.4	0.15	81.1	2.7	80.0	17.4	47.9	541.4	81.1	2.7
11SJO-34Y-43	150	3890	1.5	21.8237	20.2	0.0807	20.7	0.0128	4.7	0.22	81.8	3.8	78.8	15.7	-11.7	492.5	81.8	3.8
11SJO-34-48	81	9134	3.3	11.2804	74.7	0.1573	76.9	0.0129	18.3	0.24	82.4	15.0	148.3	106.5	1396.6	1739.2	82.4	15.0
11SJO-34Y-10	444	15102	4.5	21.2326	5.2	0.0846	5.6	0.0130	2.1	0.37	83.4	1.7	82.5	4.4	54.2	124.1	83.4	1.7
11SJO-34-71	110	4853	1.9	29.5482	68.2	0.0608	68.8	0.0130	9.1	0.13	83.5	7.6	59.9	40.1	-803.1	2172.8	83.5	7.6
11SJO-34PC-54	1048	1304	1.7	18.3090	18.9	0.0988	19.0	0.0131	1.7	0.09	84.0	1.4	95.7	17.3	396.6	427.6	84.0	1.4
11SJO-34PC-32	214	9127	1.6	21.4506	13.6	0.0850	13.8	0.0132	2.4	0.17	84.7	2.0	82.9	11.0	29.7	327.3	84.7	2.0
11SJO-34Y-29	93	11593	2.0	23.8852	56.8	0.0769	57.2	0.0133	6.4	0.11	85.3	5.4	75.2	41.5	-234.5	1550.1	85.3	5.4
11SJO-34PC-40	84	3967	2.0	21.7729	22.4	0.0857	23.2	0.0135	5.8	0.25	86.7	5.0	83.5	18.6	-6.1	546.7	86.7	5.0
11SJO-34-76	100	8414	1.6	17.2991	45.4	0.1097	45.8	0.0138	6.4	0.14	88.1	5.6	105.7	46.1	522.4	1048.0	88.1	5.6
11SJO-34Y-45	186	5937	1.2	22.1624	17.2	0.0861	17.3	0.0138	1.9	0.11	88.6	1.7	83.9	13.9	-49.1	421.6	88.6	1.7
11SJO-34PC-12	47	1662	2.5	17.9596	93.6	0.1065	94.3	0.0139	12.0	0.13	88.8	10.6	102.7	92.4	439.6	644.9	88.8	10.6

11SJO-34-20	118	9749	2.3	22.7393	22.4	0.0844	24.9	0.0139	10.8	0.43	89.1	9.5	82.3	19.7	-112.0	558.0	89.1	9.5
11SJO-34-91	118	8295	3.0	29.4964	46.1	0.0652	46.7	0.0140	7.5	0.16	89.4	6.7	64.2	29.1	-798.1	1368.0	89.4	6.7
11SJO-34-4	121	5435	1.8	24.8813	19.4	0.0785	19.6	0.0142	2.5	0.13	90.7	2.3	76.8	14.5	-338.7	504.2	90.7	2.3
11SJO-34-99	333	36131	2.1	19.3584	8.9	0.1021	9.0	0.0143	1.6	0.18	91.7	1.5	98.7	8.5	270.2	203.8	91.7	1.5
11SJO-34PC-2	132	1766	2.0	16.1331	27.7	0.1226	28.4	0.0143	6.1	0.22	91.8	5.6	117.4	31.5	673.6	604.1	91.8	5.6
11SJO-34-33	69	3851	1.8	36.3788	49.2	0.0548	50.1	0.0145	9.7	0.19	92.5	8.9	54.2	26.5	-1436.1	1693.6	92.5	8.9
11SJO-34Y-33	287	10529	1.9	23.6161	11.2	0.0845	11.3	0.0145	1.6	0.14	92.6	1.5	82.4	8.9	-206.0	281.2	92.6	1.5
11SJO-34-26	207	15012	1.5	19.3517	19.8	0.1039	20.7	0.0146	6.2	0.30	93.3	5.8	100.4	19.8	271.0	457.3	93.3	5.8
11SJO-34Y-47	146	4269	1.3	21.9318	17.4	0.0940	17.9	0.0150	4.2	0.23	95.7	4.0	91.3	15.6	-23.7	423.4	95.7	4.0
11SJO-34Y-5	130	10664	1.6	25.2244	35.7	0.0821	36.1	0.0150	5.4	0.15	96.1	5.2	80.1	27.8	-374.1	950.4	96.1	5.2
11SJO-34Y-44	306	8463	2.1	23.7148	9.5	0.0875	9.7	0.0150	1.8	0.19	96.3	1.7	85.1	7.9	-216.5	238.9	96.3	1.7
11SJO-34Y-37	172	7409	1.9	22.1875	22.1	0.0943	22.5	0.0152	3.9	0.18	97.1	3.8	91.5	19.7	-51.8	543.7	97.1	3.8
11SJO-34-45	768	47553	3.6	20.7773	6.5	0.1010	6.7	0.0152	1.4	0.20	97.3	1.3	97.7	6.2	105.6	154.6	97.3	1.3
11SJO-34-97	249	25595	1.9	24.3057	16.8	0.0865	17.0	0.0153	2.6	0.15	97.6	2.5	84.3	13.7	-278.7	429.8	97.6	2.5
11SJO-34Y-39	162	6796	1.4	23.0069	15.8	0.0915	16.0	0.0153	2.4	0.15	97.7	2.3	88.9	13.6	-140.9	393.5	97.7	2.3
11SJO-34-72	255	32290	1.7	22.1425	21.6	0.0954	21.7	0.0153	1.8	0.08	98.0	1.8	92.5	19.2	-46.9	531.3	98.0	1.8
11SJO-34-85	41	3343	2.8	23.2446	82.6	0.0937	84.3	0.0158	16.8	0.20	101.0	16.9	90.9	73.4	-166.4	2570.9	101.0	16.9
11SJO-34PC-26	478	26265	4.2	20.7121	5.6	0.1063	5.9	0.0160	1.6	0.28	102.1	1.7	102.6	5.7	113.1	132.9	102.1	1.7
11SJO-34PC-39	144	13463	2.0	20.5605	22.8	0.1077	23.4	0.0161	5.4	0.23	102.7	5.5	103.9	23.2	130.4	542.9	102.7	5.5
11SJO-34PC-1	363	18788	3.9	19.4940	11.4	0.1156	11.7	0.0163	2.4	0.20	104.5	2.5	111.1	12.3	254.2	263.9	104.5	2.5
11SJO-34-81	382	17413	3.2	21.4752	7.4	0.1056	7.9	0.0165	2.6	0.33	105.2	2.7	102.0	7.7	27.0	178.8	105.2	2.7
11SJO-34-89	146	13247	2.1	25.5754	35.9	0.0907	36.1	0.0168	4.1	0.11	107.6	4.4	88.2	30.5	-410.0	963.4	107.6	4.4
11SJO-34-1	810	60457	2.4	20.9859	3.6	0.1144	4.6	0.0174	2.9	0.63	111.3	3.2	110.0	4.8	82.0	85.0	111.3	3.2
11SJO-34-27	86	22275	1.7	21.6563	44.7	0.1166	45.3	0.0183	7.0	0.15	117.0	8.1	112.0	48.0	6.8	1127.9	117.0	8.1
11SJO-34-82	62	7827	2.5	27.2390	86.7	0.1041	86.9	0.0206	6.0	0.07	131.2	7.8	100.5	83.3	-577.6	3024.5	131.2	7.8
11SJO-34PC-16	120	7165	2.7	22.0318	20.9	0.1316	21.3	0.0210	4.0	0.19	134.2	5.4	125.6	25.1	-34.7	511.7	134.2	5.4
11SJO-34-29	115	25346	0.8	21.6014	19.7	0.1417	19.9	0.0222	3.2	0.16	141.6	4.5	134.6	25.1	12.9	476.6	141.6	4.5
11SJO-34-57	50	4400	5.2	16.0095	13.4	0.2045	19.0	0.0237	13.5	0.71	151.3	20.1	188.9	32.7	690.0	286.4	151.3	20.1
11SJO-34Y-21	429	54286	1.3	19.6529	3.6	0.1683	3.9	0.0240	1.5	0.38	152.9	2.2	158.0	5.6	235.6	82.2	152.9	2.2
11SJO-34Y-28	346	21216	1.6	21.3131	4.2	0.1609	4.4	0.0249	1.5	0.35	158.3	2.4	151.5	6.2	45.1	99.6	158.3	2.4
11SJO-34-15	58	5464	2.8	22.8009	56.1	0.1505	56.5	0.0249	6.2	0.11	158.5	9.7	142.4	75.1	-118.6	1494.1	158.5	9.7
11SJO-34-5	111	18699	3.4	20.4516	27.2	0.1696	27.8	0.0252	5.6	0.20	160.2	8.9	159.1	40.9	142.8	648.4	160.2	8.9
11SJO-34PC-42	88	10386	2.0	21.7259	20.9	0.1628	21.4	0.0256	4.7	0.22	163.2	7.6	153.1	30.5	-0.9	508.5	163.2	7.6
11SJO-34-74	114	21106	4.0	17.2235	7.9	0.2084	8.6	0.0260	3.4	0.40	165.6	5.6	192.2	15.0	532.1	172.5	165.6	5.6
11SJO-34-86	44	5227	3.3	12.8502	14.3	0.2808	17.1	0.0262	9.4	0.55	166.5	15.5	251.3	38.2	1142.3	286.0	166.5	15.5
11SJO-34-6	171	16803	1.7	20.3088	12.8	0.1797	13.0	0.0265	2.6	0.20	168.4	4.3	167.8	20.1	159.2	299.7	168.4	4.3
11SJO-34-16	53	6836	2.2	19.8540	41.1	0.1841	42.3	0.0265	10.3	0.24	168.7	17.2	171.6	66.9	212.0	989.8	168.7	17.2
11SJO-34-62	137	23355	2.9	21.4903	9.2	0.1705	10.6	0.0266	5.4	0.50	169.1	8.9	159.9	15.7	25.3	220.1	169.1	8.9
11SJO-34PC-36	126	18698	2.3	21.0692	24.7	0.1804	25.0	0.0276	3.5	0.14	175.3	6.1	168.4	38.8	72.6	595.5	175.3	6.1
11SJO-34Y-34	448	30230	1.3	20.1384	3.8	0.1891	4.1	0.0276	1.5	0.38	175.6	2.7	175.9	6.5	178.9	87.4	175.6	2.7
11SJO-34PC-34	52	5196	4.1	18.0151	39.4	0.2134	40.3	0.0279	8.4	0.21	177.2	14.6	196.4	72.0	432.8	910.6	177.2	14.6
11SJO-34Y-8	139	11536	2.2	20.0115	14.7	0.1980	15.0	0.0287	3.0	0.20	182.6	5.3	183.4	25.2	193.7	344.5	182.6	5.3
11SJO-34PC-38	233	20370	5.0	21.2837	5.0	0.1912	5.2	0.0295	1.4	0.27	187.5	2.6	177.6	8.5	48.4	119.7	187.5	2.6
11SJO-34PC-30	80	16502	5.7	19.1250	21.2	0.2146	21.4	0.0298	3.1	0.14	189.0	5.7	197.4	38.4	298.0	487.7	189.0	5.7
11SJO-34-95	264	61952	2.1	19.6587	5.3	0.2094	5.6	0.0299	1.7	0.31	189.7	3.3	193.1	9.8	234.9	122.0	189.7	3.3
11SJO-34PC-45	484	29920	1.8	20.8040	3.6	0.1988	4.5	0.0300	2.8	0.62	190.5	5.3	184.1	7.7	102.6	84.6	190.5	5.3
11SJO-34-75	72	25382	6.1	19.9378	20.9	0.2134	21.4	0.0309	4.9	0.23	195.9	9.4	196.4	38.3	202.2	489.2	195.9	9.4
11SJO-34-38	368	37660	2.4	20.2930	3.9	0.2128	4.8	0.0313	2.8	0.59	198.8	5.5	195.9	8.6	161.1	91.3	198.8	5.5
11SJO-34PC-52	224	26663	3.1	19.6883	3.2	0.2252	5.0	0.0322	3.8	0.76	204.1	7.6	206.3	9.3	231.4	74.6	204.1	7.6
11SJO-34PC-20	506	110522	2.8	20.5320	2.2	0.2168	3.2	0.0323	2.3	0.72	204.9	4.6	199.3	5.7	133.6	52.1	204.9	4.6

11SJO-34-7	544	102302	2.6	19.7279	3.0	0.2360	3.1	0.0338	0.8	0.27	214.1	1.8	215.1	6.0	226.8	69.2	214.1	1.8
11SJO-34Y-4	256	31217	2.9	10.0099	7.5	0.5018	10.2	0.0364	6.9	0.68	230.7	15.7	412.9	34.6	1622.2	139.5	230.7	15.7
11SJO-34PC-48	106	14278	2.0	21.2816	13.4	0.2361	13.9	0.0364	3.9	0.28	230.7	8.9	215.2	27.0	48.7	320.1	230.7	8.9
11SJO-34PC-51	67	945	2.3	18.2970	13.7	0.2892	14.3	0.0384	4.4	0.31	242.8	10.4	258.0	32.7	398.1	307.4	242.8	10.4
11SJO-34-98	114	21672	2.7	18.2460	12.0	0.3362	12.5	0.0445	3.5	0.28	280.6	9.5	294.3	31.9	404.3	269.8	280.6	9.5
11SJO-34PC-13	974	135478	4.3	18.8027	1.0	0.4104	1.5	0.0560	1.1	0.74	351.1	3.8	349.2	4.4	336.6	22.6	351.1	3.8
11SJO-34PC-10	156	38961	3.2	19.1821	3.7	0.4049	4.4	0.0563	2.2	0.51	353.3	7.7	345.2	12.8	291.2	85.5	353.3	7.7
11SJO-34PC-47	247	63821	2.4	18.6978	2.2	0.4362	3.1	0.0591	2.2	0.72	370.4	8.1	367.5	9.6	349.3	49.1	370.4	8.1
11SJO-34PC-5	284	101903	1.9	17.8495	3.4	0.5674	4.3	0.0735	2.7	0.62	457.0	11.7	456.4	15.8	453.3	75.3	457.0	11.7
11SJO-34PC-15	342	94790	12.2	14.9189	11.6	0.7492	12.1	0.0811	3.5	0.29	502.5	17.1	567.8	52.8	838.7	242.3	502.5	17.1
11SJO-34Y-12	453	134625	4.5	17.0642	1.0	0.7232	1.8	0.0895	1.5	0.83	552.6	7.7	552.5	7.5	552.4	21.7	552.6	7.7
11SJO-34PC-37	85	34410	0.9	16.4816	3.4	0.8419	3.8	0.1006	1.8	0.47	618.1	10.5	620.2	17.7	627.7	72.9	618.1	10.5
11SJO-34PC-6	69	11542	2.7	13.9651	4.7	1.4562	5.7	0.1475	3.1	0.55	886.9	25.7	912.4	34.1	974.8	96.5	974.8	96.5
11SJO-34PC-23	88	67525	2.7	13.8150	2.6	1.6620	3.7	0.1665	2.7	0.72	993.0	24.7	994.2	23.6	996.8	52.2	996.8	52.2
11SJO-34PC-29	286	125694	11.6	13.7174	0.7	1.7585	2.2	0.1749	2.1	0.95	1039.3	20.3	1030.3	14.3	1011.2	13.5	1011.2	13.5
11SJO-34PC-31	181	95067	2.6	13.4458	1.2	1.8257	1.7	0.1780	1.2	0.73	1056.3	12.1	1054.7	11.1	1051.6	23.3	1051.6	23.3
11SJO-34PC-3	122	111246	1.4	13.3372	1.1	2.0586	2.8	0.1991	2.6	0.92	1170.6	27.7	1135.1	19.2	1067.9	21.8	1067.9	21.8
11SJO-34PC-43	251	160080	2.0	12.9978	0.7	2.0591	2.7	0.1941	2.6	0.96	1143.6	26.9	1135.3	18.2	1119.6	14.0	1119.6	14.0
11SJO-34PC-46	410	234100	2.8	12.6935	0.5	2.1602	1.1	0.1989	1.0	0.90	1169.3	10.8	1168.3	7.8	1166.6	9.5	1166.6	9.5
11SJO-34PC-11	189	97246	3.3	10.1487	0.7	3.6421	1.3	0.2681	1.0	0.82	1531.1	14.0	1558.8	10.0	1596.6	13.6	1596.6	13.6
11SJO-34PC-25	114	85445	1.5	10.0686	1.6	3.3410	3.0	0.2440	2.5	0.85	1407.3	31.8	1490.7	23.2	1611.3	29.4	1611.3	29.4
11SJO-34PC-7	620	19146	2.5	9.4987	0.5	3.2550	10.0	0.2242	10.0	1.00	1304.2	118.4	1470.4	78.2	1719.2	9.3	1719.2	9.3
11SJO-34PC-14	595	691023	3.7	9.0686	0.2	5.0798	2.2	0.3341	2.1	0.99	1858.3	34.6	1832.7	18.3	1803.8	4.2	1803.8	4.2
11SJO-34PC-53	46	37594	1.4	8.9237	0.8	5.1202	1.7	0.3314	1.5	0.89	1845.1	24.4	1839.5	14.6	1833.1	14.4	1833.1	14.4
11SJO-34PC-33	114	162862	1.0	8.3389	0.7	6.1331	10.8	0.3709	10.8	1.00	2033.8	187.6	1995.0	94.3	1955.0	12.4	1955.0	12.4
11SJO-34PC-50	362	315792	19.2	8.1856	0.3	5.8578	3.4	0.3478	3.4	1.00	1923.9	56.3	1955.0	29.5	1988.1	4.9	1988.1	4.9
11SJO-34PC-35	92	224415	1.6	8.1285	0.5	6.3581	1.7	0.3748	1.6	0.96	2052.1	28.1	2026.5	14.6	2000.5	8.2	2000.5	8.2
11SJO-34PC-28	45	56946	0.6	8.0206	1.2	6.4089	2.5	0.3728	2.1	0.87	2042.6	37.3	2033.5	21.6	2024.2	21.6	2024.2	21.6
11SJO-34PC-27	268	553223	2.3	6.7813	0.2	8.9195	1.9	0.4387	1.8	0.99	2344.7	36.3	2329.8	17.0	2316.7	4.0	2316.7	4.0
11SJO-34Y-31	39	70000	1.6	6.4382	0.7	9.2818	2.0	0.4334	1.8	0.93	2321.1	35.8	2366.2	18.1	2405.4	12.5	2405.4	12.5
11SJO-34PC-4	133	255892	3.0	5.7056	0.4	11.8291	1.6	0.4895	1.5	0.97	2568.5	32.8	2591.0	15.0	2608.6	6.7	2608.6	6.7
11SJO-34-94	164	432137	2.0	5.6979	0.3	12.1179	0.9	0.5008	0.8	0.95	2617.1	18.1	2613.6	8.3	2610.8	4.5	2610.8	4.5
Sample 11SJO-36, Narrow Cape Fm (57.43475, -152.32198)																		
11-SJO-36-67	755	9905	3.4	22.0692	10.1	0.0530	10.5	0.0085	2.8	0.27	54.4	1.5	52.4	5.4	-38.8	246.8	54.4	1.5
11-SJO-36-93	471	7533	7.7	20.7055	19.7	0.0581	20.0	0.0087	3.5	0.17	56.0	1.9	57.3	11.1	113.8	468.4	56.0	1.9
11-SJO-36-70	151	2145	4.7	21.4407	30.6	0.0575	31.5	0.0089	7.5	0.24	57.3	4.3	56.7	17.4	30.8	748.1	57.3	4.3
11-SJO-36-58	281	11900	3.2	19.3252	15.9	0.0654	16.2	0.0092	3.3	0.20	58.8	1.9	64.4	10.1	274.2	365.5	58.8	1.9
11-SJO-36-19	243	6526	5.3	20.9736	17.5	0.0605	18.1	0.0092	4.5	0.25	59.1	2.6	59.7	10.5	83.3	418.2	59.1	2.6
11-SJO-36-89	358	11204	5.2	23.7295	20.0	0.0536	20.2	0.0092	3.1	0.15	59.2	1.8	53.1	10.5	-218.0	507.2	59.2	1.8
11-SJO-36-68	319	4801	7.0	22.2933	19.5	0.0573	20.0	0.0093	4.2	0.21	59.4	2.5	56.5	11.0	-63.4	480.2	59.4	2.5
11-SJO-36-41	255	6901	6.1	22.8610	20.0	0.0559	20.4	0.0093	4.1	0.20	59.5	2.4	55.2	11.0	-125.1	498.6	59.5	2.4
11-SJO-36-34	575	14101	3.7	21.1127	10.2	0.0615	10.3	0.0094	1.1	0.11	60.4	0.7	60.6	6.1	67.7	244.0	60.4	0.7
11-SJO-36-42	409	20178	4.4	20.5653	14.6	0.0636	14.8	0.0095	2.2	0.15	60.8	1.3	62.6	9.0	129.8	345.5	60.8	1.3
11-SJO-36-55	153	5007	3.1	25.2242	47.7	0.0524	48.6	0.0096	8.9	0.18	61.5	5.4	51.9	24.6	-374.0	1303.7	61.5	5.4
11-SJO-36-87	111	8721	4.1	27.0468	94.2	0.0492	94.5	0.0097	7.1	0.07	62.0	4.4	48.8	45.1	-558.5	1429.4	62.0	4.4
11-SJO-36-40	495	6660	3.5	22.5510	9.3	0.0591	9.5	0.0097	2.0	0.21	62.0	1.2	58.3	5.4	-91.5	228.1	62.0	1.2
11-SJO-36-75	898	13948	1.6	21.6508	10.1	0.0618	10.3	0.0097	2.2	0.21	62.3	1.4	60.9	6.1	7.4	242.9	62.3	1.4
11-SJO-36-100	288	9588	5.5	20.9211	40.6	0.0642	41.0	0.0097	5.1	0.13	62.4	3.2	63.1	25.1	89.3	1000.5	62.4	3.2
11-SJO-36-6	759	21685	4.6	20.8082	8.4	0.0646	8.6	0.0097	1.7	0.19	62.5	1.0	63.6	5.3	102.1	199.5	62.5	1.0

11-SJO-36-95	1333	23383	13.2	21.1518	4.9	0.0636	5.2	0.0098	1.6	0.31	62.6	1.0	62.6	3.1	63.2	117.1	62.6	1.0
11-SJO-36-15	274	16700	11.5	24.1620	28.7	0.0557	28.9	0.0098	3.9	0.14	62.6	2.4	55.1	15.5	-263.7	740.1	62.6	2.4
11-SJO-36-81	136	5919	3.1	18.6383	32.6	0.0723	33.0	0.0098	4.9	0.15	62.7	3.0	70.9	22.6	356.5	754.1	62.7	3.0
11-SJO-36-26	288	6981	3.0	24.4650	26.5	0.0556	26.7	0.0099	3.3	0.12	63.2	2.1	54.9	14.3	-295.4	686.8	63.2	2.1
11-SJO-36-90	327	7093	2.6	21.5868	24.6	0.0633	24.7	0.0099	2.8	0.11	63.6	1.8	62.3	15.0	14.6	598.8	63.6	1.8
11-SJO-36-28	441	12917	3.3	22.1057	13.2	0.0620	13.4	0.0099	2.5	0.19	63.7	1.6	61.1	8.0	-42.8	321.9	63.7	1.6
11-SJO-36-1	101	4151	2.9	20.8283	60.5	0.0660	61.6	0.0100	11.6	0.19	63.9	7.4	64.9	38.7	99.9	1572.1	63.9	7.4
11-SJO-36-38	144	5812	3.3	10.2672	191.1	0.1350	191.2	0.0101	6.8	0.04	64.5	4.4	128.6	235.1	1574.9	417.9	64.5	4.4
11-SJO-36-9	120	3589	5.1	15.8413	62.6	0.0879	62.9	0.0101	6.4	0.10	64.8	4.1	85.5	51.7	712.5	1487.7	64.8	4.1
11-SJO-36-72	105	1503	3.3	17.5083	44.9	0.0819	45.7	0.0104	8.4	0.18	66.7	5.6	80.0	35.2	496.0	1041.0	66.7	5.6
11-SJO-36-24	595	7383	6.5	21.7609	13.9	0.0664	14.1	0.0105	1.8	0.13	67.2	1.2	65.3	8.9	-4.8	337.9	67.2	1.2
11-SJO-36-88	676	11233	2.7	21.7281	7.7	0.0667	8.1	0.0105	2.6	0.33	67.4	1.8	65.5	5.2	-1.1	185.4	67.4	1.8
11-SJO-36-76	222	11406	2.7	23.6576	43.6	0.0612	43.7	0.0105	3.2	0.07	67.4	2.1	60.3	25.6	-210.4	1142.9	67.4	2.1
11-SJO-36-49	107	2367	2.8	49.2378	72.6	0.0294	73.0	0.0105	7.6	0.10	67.4	5.1	29.5	21.2	-2568.7	523.1	67.4	5.1
11-SJO-36-65	321	4135	2.2	21.9996	17.1	0.0663	17.7	0.0106	4.3	0.25	67.8	2.9	65.1	11.2	-31.2	418.4	67.8	2.9
11-SJO-36-14	478	11897	4.4	21.2870	13.1	0.0690	13.4	0.0107	2.6	0.19	68.3	1.7	67.8	8.8	48.0	315.0	68.3	1.7
11-SJO-36-32	113	2271	3.1	22.4639	59.3	0.0668	60.1	0.0109	10.0	0.17	69.8	7.0	65.7	38.3	-82.1	1584.4	69.8	7.0
11-SJO-36-98	242	3771	1.6	20.1819	18.8	0.0751	19.6	0.0110	5.4	0.28	70.5	3.8	73.5	13.9	173.9	443.0	70.5	3.8
11-SJO-36-54	346	6236	2.5	23.0857	16.0	0.0662	16.1	0.0111	2.3	0.14	71.0	1.6	65.0	10.2	-149.3	397.9	71.0	1.6
11-SJO-36-61	2015	43748	4.6	20.9661	2.5	0.0732	3.1	0.0111	1.9	0.59	71.4	1.3	71.7	2.2	84.2	60.3	71.4	1.3
11-SJO-36-84	164	4409	2.7	19.2034	28.5	0.0804	30.1	0.0112	9.5	0.32	71.8	6.8	78.5	22.7	288.6	664.1	71.8	6.8
11-SJO-36-25	155	3815	3.0	16.5401	108.7	0.0935	108.9	0.0112	7.0	0.06	71.9	5.0	90.7	94.8	620.0	633.6	71.9	5.0
11-SJO-36-52	109	3532	2.8	17.0016	42.0	0.0917	43.3	0.0113	10.8	0.25	72.4	7.8	89.0	37.0	560.4	954.8	72.4	7.8
11-SJO-36-53	81	2911	2.1	19.4754	43.1	0.0810	44.8	0.0114	12.4	0.28	73.3	9.0	79.1	34.1	256.5	1035.2	73.3	9.0
11-SJO-36-99	66	782	2.0	33.4514	91.4	0.0473	91.8	0.0115	8.9	0.10	73.5	6.5	46.9	42.1	-1169.7	1845.2	73.5	6.5
11-SJO-36-82	307	11859	1.8	23.3849	13.3	0.0677	14.2	0.0115	5.0	0.35	73.6	3.6	66.5	9.1	-181.4	333.3	73.6	3.6
11-SJO-36-97	430	10489	5.6	21.8317	13.6	0.0728	14.1	0.0115	3.6	0.26	73.9	2.7	71.4	9.7	-12.6	329.7	73.9	2.7
11-SJO-36-96	200	8373	2.3	20.4100	20.2	0.0779	20.7	0.0115	4.2	0.20	73.9	3.1	76.2	15.2	147.6	478.8	73.9	3.1
11-SJO-36-74	345	8634	2.0	21.5609	18.1	0.0746	18.5	0.0117	3.9	0.21	74.8	2.9	73.0	13.0	17.4	437.1	74.8	2.9
11-SJO-36-80	209	7426	1.4	21.0619	29.1	0.0796	29.4	0.0122	4.6	0.16	77.9	3.5	77.7	22.0	73.4	703.7	77.9	3.5
11-SJO-36-23	198	4868	3.2	21.1605	16.8	0.0793	17.3	0.0122	3.8	0.22	78.0	2.9	77.5	12.9	62.3	403.7	78.0	2.9
11-SJO-36-39	149	6595	1.5	28.4482	34.8	0.0591	35.6	0.0122	7.3	0.21	78.2	5.7	58.3	20.2	-696.6	990.1	78.2	5.7
11-SJO-36-77	414	9527	2.9	20.4247	8.5	0.0831	9.0	0.0123	3.0	0.33	78.9	2.3	81.1	7.0	146.0	199.5	78.9	2.3
11-SJO-36-78	199	6148	3.3	19.8380	17.1	0.0856	17.8	0.0123	4.8	0.27	78.9	3.8	83.4	14.2	213.9	398.5	78.9	3.8
11-SJO-36-5	75	2073	1.8	27.4087	27.5	0.0620	29.7	0.0123	11.4	0.38	78.9	8.9	61.1	17.6	-594.4	757.2	78.9	8.9
11-SJO-36-62	239	7665	1.1	20.6491	20.4	0.0837	20.6	0.0125	3.1	0.15	80.3	2.5	81.6	16.2	120.2	485.2	80.3	2.5
11-SJO-36-73	268	10876	1.0	21.8012	14.3	0.0799	14.6	0.0126	2.5	0.17	80.9	2.0	78.0	10.9	-9.2	347.7	80.9	2.0
11-SJO-36-21	175	3702	4.6	22.6122	30.4	0.0771	30.7	0.0127	4.7	0.15	81.0	3.8	75.5	22.4	-98.2	761.1	81.0	3.8
11-SJO-36-63	296	7641	2.6	23.7391	10.6	0.0738	11.7	0.0127	5.0	0.42	81.4	4.0	72.3	8.2	-219.1	267.6	81.4	4.0
11-SJO-36-18	95	2046	1.6	25.2049	64.5	0.0717	65.0	0.0131	8.1	0.12	84.0	6.8	70.3	44.2	-372.1	1856.6	84.0	6.8
11-SJO-36-2	288	10373	3.7	22.5628	14.7	0.0817	14.9	0.0134	2.2	0.15	85.7	1.9	79.8	11.4	-92.8	363.0	85.7	1.9
11-SJO-36-36	136	4184	2.9	25.8994	35.0	0.0744	35.7	0.0140	6.9	0.19	89.5	6.1	72.9	25.1	-443.1	945.2	89.5	6.1
11-SJO-36-30	319	12586	1.6	21.1539	15.2	0.0944	15.3	0.0145	2.0	0.13	92.7	1.8	91.6	13.4	63.0	363.1	92.7	1.8
11-SJO-36-29	155	4188	1.7	25.6277	20.8	0.0780	21.8	0.0145	6.7	0.31	92.7	6.2	76.2	16.0	-415.4	548.0	92.7	6.2
11-SJO-36-86	225	10105	1.3	21.7776	14.3	0.0937	14.7	0.0148	3.4	0.23	94.7	3.2	90.9	12.8	-6.6	346.1	94.7	3.2
11-SJO-36-33	469	15359	4.9	21.5544	6.8	0.0950	7.3	0.0148	2.7	0.37	95.0	2.6	92.1	6.5	18.2	163.8	95.0	2.6
11-SJO-36-57	360	10613	4.6	18.5265	16.9	0.1148	17.1	0.0154	2.5	0.15	98.6	2.5	110.3	17.8	370.1	382.7	98.6	2.5
11-SJO-36-4	98	9869	2.1	17.4515	56.5	0.1231	57.6	0.0156	11.0	0.19	99.7	10.9	117.9	64.2	503.2	1354.1	99.7	10.9
11-SJO-36-13	411	7465	2.9	18.7985	7.1	0.1223	7.5	0.0167	2.5	0.33	106.6	2.6	117.2	8.3	337.2	161.5	106.6	2.6
11-SJO-36-83	1648	121516	2.2	20.4209	2.3	0.1234	2.5	0.0183	0.9	0.36	116.7	1.0	118.1	2.8	146.4	55.1	116.7	1.0

11-SJO-36-20	119	5530	2.5	27.0370	46.6	0.0986	46.7	0.0193	2.9	0.06	123.4	3.6	95.4	42.5	-557.5	1316.3	123.4	3.6
11-SJO-36-35	100	7076	3.4	19.5003	33.3	0.1516	34.3	0.0214	7.9	0.23	136.8	10.7	143.3	45.8	253.5	786.4	136.8	10.7
11-SJO-36-59	106	6724	1.9	21.2471	23.5	0.1574	24.0	0.0243	5.1	0.21	154.5	7.8	148.4	33.2	52.5	566.8	154.5	7.8
11-SJO-36-64	243	16465	2.5	19.7724	7.9	0.1727	8.1	0.0248	1.9	0.23	157.7	3.0	161.8	12.2	221.5	183.5	157.7	3.0
11-SJO-36-43	271	27213	1.7	21.7490	6.8	0.1624	7.3	0.0256	2.6	0.35	163.1	4.1	152.8	10.4	-3.5	165.3	163.1	4.1
11-SJO-36-16	96	8120	4.3	27.1595	36.7	0.1314	36.9	0.0259	4.0	0.11	164.7	6.5	125.4	43.5	-569.7	1018.6	164.7	6.5
11-SJO-36-50	153	9671	2.6	20.0326	10.8	0.1786	11.0	0.0259	2.2	0.20	165.1	3.5	166.8	17.0	191.2	252.7	165.1	3.5
11-SJO-36-56	75	6070	2.4	20.2555	36.9	0.1775	37.2	0.0261	4.3	0.12	166.0	7.0	165.9	57.0	165.4	890.6	166.0	7.0
11-SJO-36-27	91	6470	2.0	23.0981	25.1	0.1561	25.4	0.0262	3.5	0.14	166.4	5.7	147.3	34.8	-150.7	632.1	166.4	5.7
11-SJO-36-22	100	7589	1.7	18.5479	10.5	0.1963	11.1	0.0264	3.5	0.32	168.0	5.9	182.0	18.5	367.5	237.4	168.0	5.9
11-SJO-36-37	269	13286	1.8	21.5037	8.4	0.1710	8.5	0.0267	1.2	0.14	169.7	2.0	160.3	12.6	23.8	202.0	169.7	2.0
11-SJO-36-60	213	32423	2.6	19.1116	4.2	0.1942	4.8	0.0269	2.3	0.49	171.2	3.9	180.2	7.9	299.6	95.0	171.2	3.9
11-SJO-36-85	80	4234	2.4	27.2781	49.7	0.1384	49.9	0.0274	4.7	0.09	174.1	8.1	131.6	61.7	-581.5	1421.3	174.1	8.1
11-SJO-36-92	305	17925	2.1	21.5049	5.6	0.1823	6.0	0.0284	2.0	0.33	180.7	3.5	170.0	9.3	23.7	135.1	180.7	3.5
11-SJO-36-79	64	4442	4.2	18.6810	39.5	0.2127	41.3	0.0288	12.1	0.29	183.2	21.8	195.8	73.7	351.4	926.9	183.2	21.8
11-SJO-36-45	348	30392	2.4	20.3394	5.1	0.1958	6.5	0.0289	4.0	0.61	183.6	7.2	181.6	10.7	155.7	119.6	183.6	7.2
11-SJO-36-10	130	28930	2.6	19.5185	20.3	0.2245	20.9	0.0318	5.2	0.25	201.7	10.4	205.7	39.0	251.3	470.4	201.7	10.4
11-SJO-36-7	72	4957	3.6	19.1811	28.6	0.2335	28.9	0.0325	4.0	0.14	206.0	8.1	213.0	55.5	291.3	665.2	206.0	8.1
11-SJO-36-8	164	9876	7.2	20.4117	8.6	0.2219	9.0	0.0328	2.5	0.28	208.3	5.2	203.5	16.5	147.4	202.2	208.3	5.2
11-SJO-36-3	584	34984	3.7	20.0767	3.0	0.2399	3.1	0.0349	0.8	0.25	221.4	1.7	218.4	6.1	186.1	69.9	221.4	1.7
11-SJO-36-12	91	20836	3.9	19.1458	11.4	0.3821	11.6	0.0531	1.8	0.16	333.3	5.9	328.6	32.5	295.5	261.9	333.3	5.9
11-SJO-36-91	327	49753	4.8	18.7996	2.8	0.4038	6.1	0.0551	5.4	0.89	345.5	18.3	344.4	17.9	337.0	63.6	345.5	18.3
11-SJO-36-44	192	88862	3.3	12.9520	1.0	2.0495	2.0	0.1925	1.8	0.88	1135.0	18.6	1132.1	13.8	1126.6	19.0	1126.6	19.0
11-SJO-36-69	131	44293	7.4	11.7141	0.6	2.6571	1.9	0.2257	1.8	0.94	1312.1	21.4	1316.6	14.1	1323.9	12.5	1323.9	12.5
11-SJO-36-66	248	188167	2.1	9.3567	0.7	4.1871	8.1	0.2841	8.0	1.00	1612.2	114.6	1671.5	66.2	1746.8	13.3	1746.8	13.3
11-SJO-36-17	196	250871	2.7	8.1116	0.5	6.3559	0.8	0.3739	0.6	0.77	2047.8	10.2	2026.2	6.6	2004.2	8.5	2004.2	8.5
11-SJO-36-71	140	197579	2.2	6.2346	0.4	9.8913	2.0	0.4473	2.0	0.98	2383.1	39.9	2424.7	18.8	2459.8	6.3	2459.8	6.3
11-SJO-36-31	169	517637	2.0	5.7806	0.5	11.8546	1.0	0.4970	0.9	0.89	2600.9	19.1	2593.0	9.4	2586.8	7.8	2586.8	7.8

Sample RB12-01, Orca Fm (60.01336, -149.30042)																		
RB12-01-54	304	2206	2.1	16.0213	20.5	0.0788	21.0	0.0092	4.9	0.23	58.8	2.8	77.0	15.6	688.4	441.0	58.8	2.8
RB12-01-47	249	9408	1.8	22.9875	21.3	0.0556	21.5	0.0093	2.6	0.12	59.5	1.5	54.9	11.5	-138.8	533.0	59.5	1.5
RB12-01-12	1014	65128	3.2	21.3527	4.9	0.0604	5.1	0.0093	1.4	0.27	60.0	0.8	59.5	2.9	40.7	116.8	60.0	0.8
RB12-01-99	157	9440	2.2	26.7575	28.0	0.0492	28.2	0.0095	3.6	0.13	61.2	2.2	48.8	13.4	-529.6	762.5	61.2	2.2
RB12-01-4	854	31085	4.1	21.1210	4.0	0.0624	4.5	0.0096	1.9	0.44	61.3	1.2	61.5	2.7	66.7	95.3	61.3	1.2
RB12-01-69	384	10406	1.4	20.6825	10.1	0.0641	10.5	0.0096	2.9	0.27	61.7	1.8	63.1	6.4	116.4	238.1	61.7	1.8
RB12-01-15	474	13128	2.0	20.8315	9.3	0.0639	10.2	0.0097	4.2	0.41	62.0	2.6	62.9	6.2	99.5	221.2	62.0	2.6
RB12-01-10	185	6206	2.9	18.9080	15.1	0.0705	15.4	0.0097	3.3	0.21	62.0	2.0	69.1	10.3	324.0	343.9	62.0	2.0
RB12-01-9	437	3522	2.2	18.0717	22.3	0.0740	22.4	0.0097	2.2	0.10	62.2	1.3	72.5	15.7	425.8	502.8	62.2	1.3
RB12-01-41	212	8906	2.5	21.3962	17.2	0.0625	17.5	0.0097	3.1	0.18	62.3	1.9	61.6	10.4	35.8	413.5	62.3	1.9
RB12-01-40	471	25173	2.3	23.5143	6.4	0.0570	6.5	0.0097	1.5	0.23	62.3	0.9	56.2	3.6	-195.2	159.2	62.3	0.9
RB12-01-52	194	2279	2.0	19.4673	14.9	0.0693	15.2	0.0098	3.1	0.20	62.8	1.9	68.0	10.0	257.4	344.3	62.8	1.9
RB12-01-20	637	11847	2.8	20.0207	4.9	0.0676	5.1	0.0098	1.5	0.29	63.0	0.9	66.5	3.3	192.6	113.6	63.0	0.9
RB12-01-59	1021	46903	4.4	21.2277	3.9	0.0640	4.1	0.0099	1.4	0.34	63.2	0.9	63.0	2.5	54.7	92.7	63.2	0.9
RB12-01-11	235	7210	1.7	24.6116	10.9	0.0558	11.2	0.0100	2.7	0.24	63.9	1.7	55.1	6.0	-310.7	280.4	63.9	1.7
RB12-01-60	645	26180	4.6	20.9047	4.8	0.0658	4.9	0.0100	1.0	0.21	64.0	0.6	64.7	3.1	91.1	114.6	64.0	0.6
RB12-01-29	384	93790	3.3	20.0564	8.7	0.0686	9.9	0.0100	4.9	0.49	64.0	3.1	67.4	6.5	188.4	202.3	64.0	3.1
RB12-01-19	471	24398	2.3	22.1187	7.3	0.0624	7.5	0.0100	1.7	0.23	64.2	1.1	61.4	4.5	-44.3	178.5	64.2	1.1
RB12-01-37	356	22568	2.2	21.2485	6.9	0.0652	7.3	0.0100	2.4	0.32	64.4	1.5	64.1	4.6	52.4	165.9	64.4	1.5
RB12-01-7	232	6266	8.8	22.6428	15.9	0.0613	16.8	0.0101	5.3	0.31	64.6	3.4	60.4	9.8	-101.5	392.9	64.6	3.4

RB12-01-77	812	37366	3.7	20.6762	3.3	0.0674	4.5	0.0101	3.1	0.69	64.8	2.0	66.2	2.9	117.1	76.7	64.8	2.0
RB12-01-67	584	26064	5.3	20.3311	7.1	0.0686	7.3	0.0101	1.6	0.22	64.9	1.0	67.4	4.7	156.7	166.0	64.9	1.0
RB12-01-26	271	847	1.8	20.0468	12.4	0.0700	12.9	0.0102	3.7	0.28	65.3	2.4	68.7	8.6	189.5	289.5	65.3	2.4
RB12-01-63	133	7097	1.8	16.8945	23.3	0.0832	23.6	0.0102	3.9	0.17	65.4	2.6	81.2	18.4	574.1	512.3	65.4	2.6
RB12-01-61	782	30612	3.8	20.6900	2.6	0.0680	2.7	0.0102	0.9	0.35	65.4	0.6	66.8	1.8	115.6	60.6	65.4	0.6
RB12-01-44	960	133365	2.1	20.9241	3.4	0.0675	4.0	0.0102	2.2	0.54	65.7	1.4	66.3	2.6	89.0	80.1	65.7	1.4
RB12-01-35	1520	102532	2.0	20.8490	2.5	0.0678	2.8	0.0102	1.3	0.46	65.7	0.8	66.6	1.8	97.5	58.0	65.7	0.8
RB12-01-48	730	14723	6.0	20.0836	4.5	0.0705	4.8	0.0103	1.9	0.39	65.9	1.3	69.2	3.2	185.3	103.8	65.9	1.3
RB12-01-91	325	10602	6.5	21.9468	17.2	0.0646	17.3	0.0103	1.6	0.09	65.9	1.0	63.6	10.6	-25.3	419.3	65.9	1.0
RB12-01-97	635	35928	4.0	20.5077	5.4	0.0695	5.8	0.0103	2.0	0.34	66.3	1.3	68.2	3.8	136.4	127.2	66.3	1.3
RB12-01-98	401	11939	5.1	20.8301	8.7	0.0689	9.2	0.0104	3.0	0.32	66.8	2.0	67.7	6.0	99.6	207.3	66.8	2.0
RB12-01-72	229	6393	2.7	21.5573	16.6	0.0666	16.9	0.0104	3.0	0.18	66.8	2.0	65.5	10.7	17.8	401.6	66.8	2.0
RB12-01-88	639	1453	1.8	18.7804	9.5	0.0768	10.1	0.0105	3.5	0.35	67.1	2.3	75.2	7.3	339.4	215.3	67.1	2.3
RB12-01-8	517	15214	3.7	21.4393	9.1	0.0677	9.4	0.0105	2.3	0.24	67.5	1.5	66.6	6.0	31.0	218.1	67.5	1.5
RB12-01-79	602	21327	2.7	20.9924	6.1	0.0693	6.3	0.0105	1.8	0.28	67.6	1.2	68.0	4.2	81.2	144.2	67.6	1.2
RB12-01-45	743	36839	1.9	21.2108	5.1	0.0687	5.6	0.0106	2.2	0.40	67.8	1.5	67.5	3.7	56.6	122.5	67.8	1.5
RB12-01-96	366	7873	1.2	20.2358	7.4	0.0726	7.6	0.0107	1.9	0.24	68.3	1.3	71.1	5.2	167.7	172.1	68.3	1.3
RB12-01-87	543	21656	4.4	20.7358	7.7	0.0710	7.8	0.0107	1.1	0.14	68.4	0.7	69.6	5.3	110.3	182.8	68.4	0.7
RB12-01-49	352	15011	5.3	21.1860	11.2	0.0704	11.4	0.0108	2.0	0.17	69.4	1.4	69.1	7.6	59.4	267.4	69.4	1.4
RB12-01-21	891	11682	2.8	19.9225	7.0	0.0749	9.2	0.0108	6.0	0.65	69.4	4.1	73.3	6.5	204.0	161.7	69.4	4.1
RB12-01-74	372	13617	3.2	21.3346	8.8	0.0706	8.9	0.0109	1.7	0.19	70.0	1.2	69.2	6.0	42.7	209.9	70.0	1.2
RB12-01-51	141	18029	3.1	21.2817	25.9	0.0708	26.2	0.0109	3.8	0.14	70.1	2.6	69.5	17.6	48.7	628.7	70.1	2.6
RB12-01-90	200	5361	1.8	19.4152	19.2	0.0777	19.4	0.0109	2.8	0.14	70.2	2.0	76.0	14.2	263.5	445.2	70.2	2.0
RB12-01-82	387	18223	1.8	19.7062	10.1	0.0767	10.2	0.0110	1.4	0.13	70.3	1.0	75.0	7.4	229.3	234.1	70.3	1.0
RB12-01-23	509	48462	0.7	22.0372	12.3	0.0688	12.4	0.0110	1.7	0.13	70.5	1.2	67.5	8.1	-35.3	299.0	70.5	1.2
RB12-01-70	653	11337	1.6	19.4427	3.0	0.0781	3.1	0.0110	0.9	0.29	70.6	0.6	76.3	2.3	260.3	68.0	70.6	0.6
RB12-01-42	751	1825	3.6	19.6691	4.6	0.0777	4.9	0.0111	1.6	0.33	71.1	1.1	76.0	3.6	233.7	106.1	71.1	1.1
RB12-01-14	1285	5371	2.1	20.4147	7.3	0.0750	8.1	0.0111	3.5	0.43	71.2	2.5	73.4	5.8	147.1	172.2	71.2	2.5
RB12-01-85	237	11271	7.7	25.4321	15.4	0.0605	15.8	0.0112	3.4	0.21	71.6	2.4	59.7	9.1	-395.4	402.8	71.6	2.4
RB12-01-71	879	31605	1.3	21.2574	3.7	0.0726	5.4	0.0112	4.0	0.73	71.7	2.8	71.1	3.7	51.4	87.5	71.7	2.8
RB12-01-89	449	41056	4.2	21.9897	8.0	0.0704	8.2	0.0112	1.8	0.22	72.0	1.3	69.1	5.5	-30.1	194.6	72.0	1.3
RB12-01-43	656	43883	3.1	22.0121	3.0	0.0713	3.1	0.0114	1.0	0.31	73.0	0.7	69.9	2.1	-32.5	72.3	73.0	0.7
RB12-01-39	873	67584	3.6	20.6745	3.1	0.0771	3.4	0.0116	1.3	0.39	74.1	1.0	75.4	2.4	117.3	73.1	74.1	1.0
RB12-01-5	257	8445	3.5	19.5990	13.4	0.0816	13.6	0.0116	2.3	0.17	74.3	1.7	79.6	10.4	241.9	311.0	74.3	1.7
RB12-01-95	468	10471	3.6	21.5649	6.4	0.0753	6.8	0.0118	2.4	0.36	75.5	1.8	73.8	4.8	17.0	152.8	75.5	1.8
RB12-01-31	475	20472	3.1	21.3047	9.1	0.0776	9.4	0.0120	2.0	0.22	76.8	1.6	75.8	6.8	46.1	218.8	76.8	1.6
RB12-01-16	253	14150	2.5	21.6257	14.0	0.0765	14.1	0.0120	1.6	0.11	76.9	1.2	74.9	10.2	10.2	337.6	76.9	1.2
RB12-01-81	137	4749	2.9	23.1306	15.1	0.0717	15.5	0.0120	3.4	0.22	77.1	2.6	70.3	10.5	-154.2	376.2	77.1	2.6
RB12-01-84	259	9922	3.7	20.5024	7.8	0.0811	8.2	0.0121	2.6	0.31	77.2	2.0	79.1	6.2	137.0	183.1	77.2	2.0
RB12-01-33	726	32795	4.0	22.0923	5.2	0.0758	5.5	0.0121	1.9	0.35	77.8	1.5	74.2	4.0	-41.4	126.4	77.8	1.5
RB12-01-64	291	7004	1.9	19.4143	9.6	0.0864	9.7	0.0122	1.2	0.12	78.0	0.9	84.2	7.8	263.7	220.8	78.0	0.9
RB12-01-86	194	9647	1.7	21.0067	12.8	0.0801	13.1	0.0122	2.8	0.21	78.2	2.2	78.2	9.9	79.6	305.9	78.2	2.2
RB12-01-78	1340	67809	5.5	20.6635	3.4	0.0819	3.7	0.0123	1.4	0.38	78.6	1.1	79.9	2.9	118.6	81.1	78.6	1.1
RB12-01-13	590	33188	2.5	21.9814	5.1	0.0774	5.4	0.0123	1.6	0.30	79.1	1.3	75.7	3.9	-29.2	124.3	79.1	1.3
RB12-01-24	209	18080	2.2	19.0945	14.5	0.0895	14.8	0.0124	3.1	0.21	79.4	2.4	87.0	12.3	301.6	331.1	79.4	2.4
RB12-01-36	244	13219	3.8	21.4491	10.2	0.0805	10.6	0.0125	2.8	0.26	80.2	2.2	78.6	8.0	29.9	245.6	80.2	2.2
RB12-01-55	969	23530	22.5	20.5383	2.4	0.0850	2.8	0.0127	1.5	0.53	81.1	1.2	82.9	2.2	132.9	55.6	81.1	1.2
RB12-01-3	765	36759	3.5	20.8538	3.5	0.0851	7.0	0.0129	6.1	0.87	82.4	5.0	82.9	5.6	96.9	83.0	82.4	5.0
RB12-01-56	918	60990	1.0	20.8891	3.3	0.0850	3.6	0.0129	1.5	0.42	82.5	1.2	82.9	2.9	93.0	77.1	82.5	1.2
RB12-01-73	326	18641	3.3	21.2383	7.6	0.0865	8.1	0.0133	2.7	0.33	85.3	2.3	84.2	6.5	53.6	182.4	85.3	2.3

RB12-01-25	330	21927	2.2	20.6858	14.1	0.0936	15.2	0.0140	5.7	0.37	89.9	5.1	90.8	13.2	116.0	334.0	89.9	5.1
RB12-01-53	491	6341	2.7	21.0017	3.2	0.1062	3.4	0.0162	1.3	0.38	103.5	1.3	102.5	3.4	80.2	75.8	103.5	1.3
RB12-01-75	342	33321	2.0	21.4060	6.9	0.1066	7.1	0.0165	1.8	0.25	105.8	1.8	102.8	7.0	34.7	165.6	105.8	1.8
RB12-01-34	185	12249	2.1	21.2486	19.2	0.1076	19.3	0.0166	2.1	0.11	106.0	2.2	103.8	19.0	52.4	460.7	106.0	2.2
RB12-01-27	228	15344	1.7	21.0327	8.2	0.1092	8.4	0.0167	1.7	0.21	106.5	1.8	105.2	8.4	76.7	195.5	106.5	1.8
RB12-01-38	427	23554	4.2	20.7787	6.6	0.1120	7.2	0.0169	2.9	0.40	107.9	3.1	107.8	7.3	105.5	155.8	107.9	3.1
RB12-01-30	651	36264	1.6	20.7357	2.8	0.1125	3.1	0.0169	1.1	0.37	108.2	1.2	108.3	3.1	110.3	67.1	108.2	1.2
RB12-01-100	905	57594	1.1	20.4384	1.8	0.1164	2.1	0.0173	1.1	0.52	110.3	1.2	111.8	2.3	144.3	42.7	110.3	1.2
RB12-01-66	271	25860	1.6	21.6415	7.1	0.1100	7.3	0.0173	1.7	0.23	110.3	1.8	105.9	7.4	8.4	171.5	110.3	1.8
RB12-01-2	355	24623	3.7	20.8143	5.3	0.1151	5.5	0.0174	1.8	0.32	111.0	1.9	110.6	5.8	101.4	124.4	111.0	1.9
RB12-01-93	476	15953	2.7	20.0895	3.1	0.1741	5.1	0.0254	4.1	0.80	161.5	6.6	163.0	7.7	184.6	71.2	161.5	6.6
RB12-01-1	53	3854	1.8	21.8410	26.8	0.1602	27.0	0.0254	3.6	0.13	161.6	5.8	150.9	37.9	-13.6	657.4	161.6	5.8
RB12-01-58	73	6656	2.0	22.2641	18.0	0.1626	18.2	0.0263	2.7	0.15	167.1	4.5	153.0	25.9	-60.2	441.9	167.1	4.5
RB12-01-62	247	24046	2.3	19.5990	4.2	0.2199	4.6	0.0313	1.8	0.40	198.4	3.6	201.8	8.5	241.9	97.8	198.4	3.6
RB12-01-83	2517	318268	29.4	19.9707	0.4	0.2174	0.7	0.0315	0.5	0.80	199.9	1.0	199.8	1.2	198.4	9.1	199.9	1.0
RB12-01-68	243	30897	2.8	10.7128	1.4	0.5901	3.6	0.0458	3.3	0.91	289.0	9.2	470.9	13.5	1494.9	27.3	289.0	9.2
RB12-01-46	493	72936	2.4	18.6502	1.5	0.4143	1.8	0.0560	1.0	0.57	351.5	3.5	352.0	5.3	355.1	33.2	351.5	3.5
RB12-01-80	562	111984	1.1	18.4951	1.1	0.4391	1.5	0.0589	1.1	0.72	368.9	4.0	369.6	4.8	373.9	24.2	368.9	4.0
RB12-01-57	474	157934	1.3	18.4636	0.9	0.4500	1.8	0.0603	1.5	0.87	377.2	5.7	377.3	5.6	377.7	20.1	377.2	5.7
RB12-01-76	377	59178	1.5	18.2926	2.5	0.4619	2.7	0.0613	1.2	0.43	383.4	4.4	385.6	8.8	398.6	55.4	383.4	4.4
RB12-01-94	147	51058	0.9	17.7432	2.5	0.5175	3.0	0.0666	1.6	0.54	415.6	6.5	423.5	10.4	466.5	56.4	415.6	6.5
RB12-01-92	76	57531	0.8	16.3318	5.2	0.8804	5.4	0.1043	1.5	0.28	639.5	9.3	641.2	25.7	647.4	111.4	639.5	9.3
RB12-01-50	123	82108	2.0	8.1490	0.5	6.2325	1.3	0.3684	1.2	0.93	2021.7	21.4	2009.0	11.6	1996.0	8.9	1996.0	8.9
RB12-01-65	490	992433	6.5	4.8880	0.1	15.7337	1.3	0.5578	1.3	1.00	2857.4	30.4	2860.8	12.6	2863.1	1.3	2863.1	1.3
Sample RB12-02, Orca Fm (60.00947, -149.32280)																		
RB12-02-77	509	19317	1.7	20.4943	8.6	0.0618	8.8	0.0092	2.1	0.24	58.9	1.2	60.9	5.2	138.0	201.8	58.9	1.2
RB12-02-21	584	4569	3.4	21.4670	12.0	0.0598	12.2	0.0093	1.9	0.16	59.8	1.1	59.0	7.0	27.9	289.8	59.8	1.1
RB12-02-100	291	4989	2.5	23.5503	20.7	0.0547	21.0	0.0094	3.5	0.17	60.0	2.1	54.1	11.0	-199.0	522.2	60.0	2.1
RB12-02-71	454	6967	2.0	22.3473	13.2	0.0580	13.5	0.0094	2.5	0.19	60.3	1.5	57.3	7.5	-69.3	324.6	60.3	1.5
RB12-02-50	374	28126	2.2	20.1241	17.2	0.0650	17.6	0.0095	3.5	0.20	60.9	2.1	63.9	10.9	180.6	403.9	60.9	2.1
RB12-02-81	108	4321	2.5	16.9703	34.9	0.0772	36.0	0.0095	8.7	0.24	60.9	5.3	75.5	26.2	564.4	782.8	60.9	5.3
RB12-02-28	353	15285	2.5	20.7960	8.6	0.0634	8.9	0.0096	2.3	0.25	61.4	1.4	62.5	5.4	103.5	204.1	61.4	1.4
RB12-02-73	559	13263	2.2	20.4551	4.3	0.0646	4.8	0.0096	2.2	0.46	61.5	1.4	63.6	3.0	142.4	100.4	61.5	1.4
RB12-02-44	182	7016	2.3	20.8063	27.1	0.0637	27.3	0.0096	3.5	0.13	61.6	2.1	62.7	16.6	102.3	650.7	61.6	2.1
RB12-02-30	396	19179	1.3	22.0891	16.7	0.0602	16.8	0.0096	1.8	0.10	61.9	1.1	59.4	9.7	-41.0	408.8	61.9	1.1
RB12-02-64	182	8106	1.8	19.1027	18.0	0.0706	19.3	0.0098	6.9	0.36	62.7	4.3	69.3	12.9	300.7	414.4	62.7	4.3
RB12-02-74	395	17461	2.5	22.4189	9.7	0.0602	10.0	0.0098	2.4	0.24	62.8	1.5	59.4	5.8	-77.1	237.7	62.8	1.5
RB12-02-38	393	11280	3.8	23.2834	11.3	0.0581	11.6	0.0098	2.7	0.23	62.9	1.7	57.3	6.5	-170.5	282.3	62.9	1.7
RB12-02-86	244	7179	2.6	21.5706	17.3	0.0628	17.6	0.0098	3.6	0.20	63.1	2.2	61.9	10.6	16.3	417.1	63.1	2.2
RB12-02-70	497	18545	2.4	22.4523	16.6	0.0607	16.7	0.0099	1.6	0.10	63.4	1.0	59.8	9.7	-80.8	408.7	63.4	1.0
RB12-02-78	88	3203	1.9	20.2476	147.6	0.0680	148.4	0.0100	15.4	0.10	64.0	9.8	66.8	96.1	166.3	1323.4	64.0	9.8
RB12-02-102	94	3687	2.3	9.9794	232.9	0.1380	233.0	0.0100	4.2	0.02	64.0	2.7	131.2	294.8	1627.9	574.4	64.0	2.7
RB12-02-55	205	5776	2.2	22.3748	16.0	0.0620	16.6	0.0101	4.1	0.25	64.5	2.6	61.1	9.8	-72.3	394.2	64.5	2.6
RB12-02-59	1348	50691	2.2	21.2013	3.5	0.0655	3.7	0.0101	1.2	0.33	64.6	0.8	64.5	2.3	57.7	84.3	64.6	0.8
RB12-02-8	2760	16435	1.7	20.3201	3.5	0.0685	3.8	0.0101	1.5	0.40	64.8	1.0	67.3	2.5	158.0	81.5	64.8	1.0
RB12-02-107	219	7355	2.8	22.0621	21.2	0.0632	21.3	0.0101	2.0	0.10	64.9	1.3	62.2	12.9	-38.0	519.9	64.9	1.3
RB12-02-7	150	3139	1.7	20.1679	17.3	0.0692	17.9	0.0101	4.6	0.25	64.9	3.0	67.9	11.8	175.5	407.3	64.9	3.0
RB12-02-101	269	8845	3.1	26.0492	26.4	0.0537	26.5	0.0101	2.9	0.11	65.0	1.9	53.1	13.7	-458.3	706.1	65.0	1.9
RB12-02-17	593	15074	1.8	22.0250	7.4	0.0635	7.4	0.0101	0.7	0.10	65.0	0.5	62.5	4.5	-34.0	179.2	65.0	0.5

RB12-02-46	140	5354	2.8	19.3176	23.7	0.0725	24.6	0.0102	6.7	0.27	65.1	4.4	71.0	16.9	275.1	549.1	65.1	4.4
RB12-02-109	458	22767	1.3	21.3140	11.7	0.0658	12.0	0.0102	2.4	0.20	65.2	1.5	64.7	7.5	45.0	281.4	65.2	1.5
RB12-02-103	943	34132	3.7	20.4425	3.0	0.0687	3.2	0.0102	1.1	0.35	65.3	0.7	67.4	2.1	143.9	69.9	65.3	0.7
RB12-02-63	1127	49024	10.5	20.8830	3.0	0.0674	3.1	0.0102	0.8	0.25	65.5	0.5	66.3	2.0	93.7	70.3	65.5	0.5
RB12-02-67	1477	52289	4.4	21.6191	2.1	0.0652	2.3	0.0102	1.1	0.48	65.5	0.7	64.1	1.5	11.0	49.5	65.5	0.7
RB12-02-36	154	5504	2.8	24.9572	35.3	0.0565	35.7	0.0102	5.6	0.16	65.6	3.6	55.8	19.4	-346.5	934.8	65.6	3.6
RB12-02-108	238	7156	2.6	23.1996	39.7	0.0608	39.7	0.0102	2.1	0.05	65.7	1.4	60.0	23.1	-161.6	1021.6	65.7	1.4
RB12-02-31	339	1775	4.1	18.8930	13.8	0.0747	14.0	0.0102	2.5	0.18	65.7	1.6	73.2	9.9	325.8	314.8	65.7	1.6
RB12-02-10	335	7389	2.4	21.4250	5.7	0.0660	5.9	0.0103	1.8	0.31	65.8	1.2	64.9	3.7	32.6	135.6	65.8	1.2
RB12-02-89	166	6473	4.5	21.0088	14.5	0.0675	14.7	0.0103	2.7	0.18	65.9	1.8	66.3	9.5	79.4	345.6	65.9	1.8
RB12-02-52	1214	28283	5.7	20.9279	3.9	0.0677	4.1	0.0103	1.2	0.29	65.9	0.8	66.6	2.6	88.6	92.9	65.9	0.8
RB12-02-48	311	11047	2.2	27.0384	19.0	0.0526	19.1	0.0103	2.2	0.11	66.1	1.4	52.0	9.7	-557.6	515.7	66.1	1.4
RB12-02-45	467	10825	2.9	21.0453	8.9	0.0676	9.1	0.0103	2.1	0.23	66.2	1.4	66.5	5.9	75.2	211.0	66.2	1.4
RB12-02-13	271	8923	2.0	22.3849	17.1	0.0636	17.3	0.0103	2.8	0.16	66.2	1.8	62.6	10.5	-73.4	420.2	66.2	1.8
RB12-02-88	217	6822	3.5	23.0817	25.0	0.0621	25.3	0.0104	3.8	0.15	66.7	2.5	61.2	15.0	-148.9	628.5	66.7	2.5
RB12-02-61	263	11728	3.6	19.8036	14.0	0.0730	14.4	0.0105	3.4	0.23	67.2	2.2	71.5	10.0	217.9	326.3	67.2	2.2
RB12-02-19	109	6406	2.8	22.6089	31.8	0.0640	33.1	0.0105	9.3	0.28	67.3	6.2	63.0	20.2	-97.8	799.0	67.3	6.2
RB12-02-47	769	14776	1.9	20.5216	6.2	0.0707	6.5	0.0105	1.7	0.27	67.4	1.2	69.3	4.3	134.8	146.1	67.4	1.2
RB12-02-24	137	3950	3.0	21.3995	24.3	0.0678	25.0	0.0105	5.5	0.22	67.5	3.7	66.6	16.1	35.4	590.1	67.5	3.7
RB12-02-58	1176	35213	1.9	21.1193	2.6	0.0690	4.8	0.0106	4.0	0.83	67.7	2.7	67.7	3.1	66.9	62.7	67.7	2.7
RB12-02-37	457	13661	2.1	22.8769	14.9	0.0640	15.3	0.0106	3.3	0.21	68.1	2.2	63.0	9.3	-126.9	370.3	68.1	2.2
RB12-02-20	348	5531	4.5	18.4830	7.9	0.0793	9.1	0.0106	4.4	0.48	68.2	3.0	77.5	6.8	375.3	178.9	68.2	3.0
RB12-02-92	173	2651	3.0	23.0063	23.4	0.0641	23.9	0.0107	5.0	0.21	68.6	3.4	63.1	14.6	-140.8	585.3	68.6	3.4
RB12-02-57	351	10514	2.9	20.8905	6.8	0.0706	7.1	0.0107	2.1	0.30	68.6	1.5	69.3	4.8	92.8	160.9	68.6	1.5
RB12-02-66	663	17031	2.8	21.1656	5.9	0.0702	6.1	0.0108	1.5	0.24	69.1	1.0	68.9	4.1	61.7	141.1	69.1	1.0
RB12-02-87	498	24445	5.2	21.4571	6.8	0.0692	6.9	0.0108	1.2	0.17	69.1	0.8	68.0	4.5	29.0	162.2	69.1	0.8
RB12-02-32	173	6429	3.2	22.2550	32.0	0.0668	32.1	0.0108	2.4	0.07	69.1	1.6	65.6	20.4	-59.2	798.8	69.1	1.6
RB12-02-84	308	19126	1.4	22.5472	11.4	0.0662	11.6	0.0108	1.9	0.16	69.5	1.3	65.1	7.3	-91.1	281.5	69.5	1.3
RB12-02-60	256	8643	2.4	19.9706	22.3	0.0748	22.5	0.0108	2.9	0.13	69.5	2.0	73.3	15.9	198.4	523.4	69.5	2.0
RB12-02-2	177	9142	3.8	21.5401	24.3	0.0697	24.6	0.0109	3.9	0.16	69.8	2.7	68.4	16.3	19.8	590.1	69.8	2.7
RB12-02-62	136	1843	3.7	26.4164	41.5	0.0569	42.0	0.0109	6.5	0.15	69.9	4.5	56.2	22.9	-495.3	1144.0	69.9	4.5
RB12-02-12	233	15911	2.3	22.5402	13.9	0.0668	14.2	0.0109	3.2	0.23	70.0	2.2	65.7	9.1	-90.4	341.4	70.0	2.2
RB12-02-11	233	5685	5.3	23.5212	17.6	0.0641	17.8	0.0109	2.9	0.16	70.2	2.0	63.1	10.9	-195.9	443.3	70.2	2.0
RB12-02-51	103	4355	2.0	24.6649	42.5	0.0613	42.9	0.0110	5.2	0.12	70.3	3.7	60.4	25.1	-316.2	1135.2	70.3	3.7
RB12-02-14	1370	26544	5.0	17.6502	18.9	0.0857	19.1	0.0110	2.3	0.12	70.3	1.6	83.5	15.3	478.2	421.9	70.3	1.6
RB12-02-106	410	2494	2.7	18.9107	9.4	0.0800	9.8	0.0110	2.8	0.28	70.4	1.9	78.2	7.4	323.6	213.3	70.4	1.9
RB12-02-35	226	5165	2.5	24.0337	19.0	0.0630	20.0	0.0110	6.2	0.31	70.4	4.4	62.0	12.0	-250.2	484.3	70.4	4.4
RB12-02-6	234	9025	3.3	23.7351	5.5	0.0638	6.1	0.0110	2.5	0.41	70.4	1.8	62.8	3.7	-218.6	139.4	70.4	1.8
RB12-02-26	303	2870	3.2	20.9630	18.6	0.0724	18.8	0.0110	2.2	0.12	70.6	1.6	71.0	12.9	84.5	445.3	70.6	1.6
RB12-02-82	136	4276	3.3	19.2191	33.4	0.0791	34.1	0.0110	7.2	0.21	70.6	5.1	77.3	25.4	286.8	782.3	70.6	5.1
RB12-02-16	204	6530	6.2	18.4504	16.1	0.0824	16.3	0.0110	2.1	0.13	70.7	1.5	80.4	12.6	379.3	365.1	70.7	1.5
RB12-02-99	282	14837	1.8	21.7748	17.2	0.0699	17.4	0.0110	2.6	0.15	70.8	1.8	68.6	11.6	-6.3	418.8	70.8	1.8
RB12-02-65	235	7340	23.5	23.3182	16.6	0.0656	16.7	0.0111	2.1	0.13	71.1	1.5	64.5	10.5	-174.3	416.1	71.1	1.5
RB12-02-75	139	4120	2.2	21.6943	34.7	0.0705	34.9	0.0111	4.4	0.13	71.1	3.1	69.2	23.4	2.6	857.5	71.1	3.1
RB12-02-43	361	19343	2.9	19.1298	6.0	0.0808	6.4	0.0112	2.2	0.35	71.8	1.6	78.9	4.9	297.4	137.0	71.8	1.6
RB12-02-80	1737	142731	3.3	21.2448	3.0	0.0728	3.2	0.0112	1.0	0.33	71.9	0.7	71.4	2.2	52.8	71.1	71.9	0.7
RB12-02-85	311	16231	2.9	23.2042	14.4	0.0681	14.6	0.0115	2.3	0.16	73.4	1.7	66.9	9.4	-162.1	358.9	73.4	1.7
RB12-02-40	157	7086	2.7	21.3789	36.9	0.0740	37.1	0.0115	4.0	0.11	73.6	2.9	72.5	26.0	37.7	910.7	73.6	2.9
RB12-02-27	1229	12180	2.0	20.4664	3.7	0.0774	3.9	0.0115	1.2	0.30	73.6	0.9	75.7	2.8	141.2	87.4	73.6	0.9
RB12-02-22	701	37016	3.6	20.9720	6.8	0.0755	7.1	0.0115	1.9	0.27	73.6	1.4	73.9	5.1	83.5	162.1	73.6	1.4

RB12-02-94	73	2962	1.7	22.7173	35.2	0.0698	36.5	0.0115	9.7	0.26	73.7	7.1	68.5	24.2	-109.6	890.2	73.7	7.1
RB12-02-33	310	7636	3.1	21.2825	11.6	0.0748	12.0	0.0115	3.0	0.25	74.0	2.2	73.2	8.5	48.5	279.0	74.0	2.2
RB12-02-1	104	2981	2.1	30.5800	38.8	0.0521	39.1	0.0116	4.6	0.12	74.1	3.4	51.6	19.7	-901.6	1160.6	74.1	3.4
RB12-02-49	144	5091	6.0	22.6886	27.4	0.0707	28.8	0.0116	8.8	0.30	74.6	6.5	69.4	19.3	-106.5	685.0	74.6	6.5
RB12-02-39	228	7659	3.6	20.7745	23.8	0.0775	24.0	0.0117	3.1	0.13	74.8	2.3	75.8	17.5	105.9	569.0	74.8	2.3
RB12-02-41	110	4290	2.1	26.9246	44.0	0.0598	44.4	0.0117	5.6	0.13	74.8	4.2	58.9	25.4	-546.3	1233.6	74.8	4.2
RB12-02-18	705	10313	3.5	21.1770	8.6	0.0770	8.8	0.0118	1.7	0.19	75.8	1.3	75.3	6.4	60.4	205.7	75.8	1.3
RB12-02-54	143	5302	2.3	21.0178	24.3	0.0794	24.7	0.0121	4.5	0.18	77.6	3.4	77.6	18.4	78.3	584.3	77.6	3.4
RB12-02-53	346	13294	2.0	19.7201	14.3	0.0853	14.4	0.0122	2.0	0.14	78.1	1.6	83.1	11.5	227.6	330.8	78.1	1.6
RB12-02-104	82	3407	2.6	16.4519	47.1	0.1023	48.2	0.0122	10.0	0.21	78.2	7.8	98.9	45.4	631.6	1073.3	78.2	7.8
RB12-02-23	464	6502	4.3	22.2928	7.3	0.0787	9.1	0.0127	5.5	0.60	81.6	4.4	77.0	6.7	-63.4	177.2	81.6	4.4
RB12-02-15	122	4949	1.5	20.9587	22.1	0.0849	22.8	0.0129	5.6	0.25	82.6	4.6	82.7	18.1	85.1	528.6	82.6	4.6
RB12-02-93	152	6894	1.3	20.7898	12.0	0.0901	12.3	0.0136	2.4	0.19	87.0	2.1	87.6	10.3	104.2	285.3	87.0	2.1
RB12-02-9	80	5327	2.4	26.9376	58.6	0.0710	58.9	0.0139	5.0	0.08	88.8	4.4	69.7	39.6	-547.6	1710.0	88.8	4.4
RB12-02-79	61	1553	2.2	21.7585	65.6	0.0880	65.9	0.0139	6.4	0.10	88.9	5.7	85.7	54.2	-4.5	1775.9	88.9	5.7
RB12-02-91	122	6062	2.2	21.0895	15.7	0.0954	16.6	0.0146	5.6	0.34	93.4	5.2	92.6	14.7	70.3	374.8	93.4	5.2
RB12-02-69	1687	302034	2.3	21.0195	2.6	0.1020	2.7	0.0156	1.0	0.37	99.5	1.0	98.6	2.6	78.2	60.7	99.5	1.0
RB12-02-25	964	40599	2.9	20.8438	2.4	0.1092	3.2	0.0165	2.1	0.64	105.6	2.2	105.3	3.2	98.1	57.9	105.6	2.2
RB12-02-90	316	25981	3.6	21.2611	7.1	0.1080	7.5	0.0167	2.4	0.32	106.5	2.6	104.1	7.4	51.0	170.1	106.5	2.6
RB12-02-76	497	25403	1.3	20.2017	4.0	0.1154	4.3	0.0169	1.4	0.32	108.1	1.5	110.9	4.5	171.6	94.2	108.1	1.5
RB12-02-95	162	1952	2.7	22.3396	13.5	0.1055	13.7	0.0171	2.7	0.19	109.2	2.9	101.8	13.3	-68.5	330.1	109.2	2.9
RB12-02-34	118	7203	1.5	23.0039	30.1	0.1037	30.4	0.0173	3.8	0.13	110.6	4.2	100.2	29.0	-140.5	760.9	110.6	4.2
RB12-02-4	2987	146856	1.9	20.6276	0.8	0.1271	1.7	0.0190	1.5	0.89	121.4	1.8	121.5	2.0	122.7	18.2	121.4	1.8
RB12-02-96	36	2525	1.7	39.7032	115.1	0.0809	115.4	0.0233	7.4	0.06	148.5	10.9	79.0	87.9	NA	NA	148.5	10.9
RB12-02-29	97	5270	4.4	22.7701	21.6	0.1546	21.9	0.0255	3.3	0.15	162.5	5.3	145.9	29.7	-115.3	538.0	162.5	5.3
RB12-02-68	234	11131	2.3	19.4915	5.4	0.2217	9.2	0.0313	7.4	0.81	198.9	14.4	203.3	16.9	254.5	124.8	198.9	14.4
RB12-02-56	362	74007	1.5	19.2497	2.6	0.2245	2.8	0.0313	1.2	0.43	198.9	2.4	205.6	5.3	283.2	58.7	198.9	2.4
Sample RB12-04, Orca Fm (59.97959, -149.29672)																		
RB12-04-73	992	24820	2.3	21.1449	3.9	0.0579	4.0	0.0089	1.0	0.24	57.0	0.6	57.2	2.2	64.0	92.7	57.0	0.6
RB12-04-83	128	7903	1.6	21.9712	18.6	0.0576	18.9	0.0092	3.7	0.19	58.9	2.1	56.8	10.5	-28.0	453.1	58.9	2.1
RB12-04-37	386	51337	1.5	20.5130	6.5	0.0645	6.8	0.0096	2.1	0.31	61.6	1.3	63.5	4.2	135.8	151.9	61.6	1.3
RB12-04-43	333	8358	1.6	17.6464	14.2	0.0753	14.9	0.0096	4.6	0.31	61.8	2.8	73.7	10.6	478.6	314.9	61.8	2.8
RB12-04-93	130	4085	2.8	21.7315	25.9	0.0613	26.3	0.0097	4.5	0.17	62.0	2.8	60.4	15.4	-1.5	634.6	62.0	2.8
RB12-04-65	432	15537	3.5	21.6350	6.5	0.0619	7.4	0.0097	3.6	0.48	62.3	2.2	61.0	4.4	9.2	156.6	62.3	2.2
RB12-04-24	535	32117	3.9	20.9608	7.7	0.0650	8.4	0.0099	3.2	0.38	63.4	2.0	63.9	5.2	84.8	183.3	63.4	2.0
RB12-04-66	356	16374	2.1	20.7906	7.7	0.0659	8.0	0.0099	2.3	0.29	63.8	1.5	64.8	5.0	104.1	181.4	63.8	1.5
RB12-04-71	190	10164	1.8	22.5909	24.9	0.0610	25.0	0.0100	2.1	0.08	64.1	1.3	60.1	14.6	-95.9	619.1	64.1	1.3
RB12-04-11	903	40597	3.2	21.1876	4.3	0.0663	4.8	0.0102	2.1	0.44	65.3	1.4	65.2	3.0	59.2	102.4	65.3	1.4
RB12-04-53	412	11663	2.2	22.1924	8.1	0.0633	8.3	0.0102	1.6	0.20	65.4	1.1	62.3	5.0	-52.4	197.2	65.4	1.1
RB12-04-30	581	30344	4.8	21.5786	4.6	0.0684	5.0	0.0107	2.2	0.43	68.7	1.5	67.2	3.3	15.4	109.4	68.7	1.5
RB12-04-4	567	43667	1.9	20.8485	5.1	0.0710	5.7	0.0107	2.5	0.44	68.8	1.7	69.6	3.8	97.5	121.6	68.8	1.7
RB12-04-26	238	12677	3.3	21.6118	21.9	0.0694	22.0	0.0109	1.5	0.07	69.7	1.0	68.1	14.5	11.8	533.2	69.7	1.0
RB12-04-13	390	26021	1.9	21.6388	8.3	0.0693	8.9	0.0109	3.1	0.35	69.8	2.1	68.1	5.8	8.8	200.7	69.8	2.1
RB12-04-6	536	38663	1.9	20.2737	4.1	0.0745	4.4	0.0110	1.5	0.34	70.2	1.1	73.0	3.1	163.3	96.6	70.2	1.1
RB12-04-50	195	13828	2.8	20.4601	11.8	0.0743	11.9	0.0110	1.6	0.13	70.7	1.1	72.8	8.3	141.9	276.9	70.7	1.1
RB12-04-42	324	20184	3.3	21.7353	12.0	0.0702	12.2	0.0111	2.2	0.18	70.9	1.5	68.9	8.1	-1.9	290.0	70.9	1.5
RB12-04-96	377	29368	1.9	22.9757	6.5	0.0664	6.9	0.0111	2.3	0.33	70.9	1.6	65.3	4.3	-137.5	160.2	70.9	1.6
RB12-04-31	734	42617	1.8	21.1471	4.2	0.0724	4.3	0.0111	1.2	0.28	71.2	0.9	71.0	3.0	63.8	99.0	71.2	0.9
RB12-04-55	173	5757	3.1	26.7983	18.6	0.0572	19.0	0.0111	3.7	0.19	71.2	2.6	56.4	10.4	-533.7	502.9	71.2	2.6

RB12-04-78	570	22885	2.3	22.8389	5.9	0.0671	6.1	0.0111	1.4	0.22	71.2	1.0	65.9	3.9	-122.7	145.9	71.2	1.0
RB12-04-103	931	9984	0.5	20.6057	2.2	0.0745	7.0	0.0111	6.7	0.95	71.4	4.7	73.0	4.9	125.2	52.4	71.4	4.7
RB12-04-75	307	11221	2.6	23.0408	12.0	0.0667	12.2	0.0112	2.0	0.16	71.5	1.4	65.6	7.8	-144.5	299.5	71.5	1.4
RB12-04-45	1175	73461	2.1	20.9509	1.2	0.0739	3.0	0.0112	2.8	0.92	71.9	2.0	72.4	2.1	86.0	27.9	71.9	2.0
RB12-04-7	382	21695	2.2	20.7361	8.3	0.0753	8.5	0.0113	2.1	0.24	72.6	1.5	73.7	6.0	110.3	195.1	72.6	1.5
RB12-04-52	339	18701	2.6	21.3575	5.7	0.0734	6.0	0.0114	2.0	0.33	72.8	1.4	71.9	4.2	40.2	135.6	72.8	1.4
RB12-04-64	128	18499	2.9	28.5191	44.2	0.0551	44.4	0.0114	4.3	0.10	73.0	3.1	54.4	23.6	-703.5	1281.6	73.0	3.1
RB12-04-85	224	12472	6.8	20.8022	13.2	0.0757	14.0	0.0114	4.7	0.34	73.2	3.4	74.1	10.0	102.8	313.4	73.2	3.4
RB12-04-25	287	30931	3.3	22.4306	7.5	0.0704	7.6	0.0115	1.5	0.20	73.5	1.1	69.1	5.1	-78.4	183.6	73.5	1.1
RB12-04-28	728	39333	1.1	20.9658	4.3	0.0755	4.4	0.0115	1.0	0.22	73.5	0.7	73.9	3.1	84.2	101.3	73.5	0.7
RB12-04-2	482	12662	2.4	20.3317	4.5	0.0785	5.0	0.0116	2.1	0.43	74.2	1.6	76.7	3.7	156.6	106.1	74.2	1.6
RB12-04-35	374	28716	4.0	21.4547	6.4	0.0745	6.6	0.0116	1.6	0.25	74.3	1.2	72.9	4.6	29.3	152.9	74.3	1.2
RB12-04-82	217	8263	2.4	20.0682	12.3	0.0797	12.9	0.0116	4.2	0.32	74.3	3.1	77.8	9.7	187.0	286.3	74.3	3.1
RB12-04-5	340	18386	4.7	21.7368	6.6	0.0736	7.4	0.0116	3.2	0.43	74.3	2.4	72.1	5.1	-2.1	160.1	74.3	2.4
RB12-04-12	444	16587	4.2	21.2704	6.6	0.0753	6.8	0.0116	1.7	0.24	74.5	1.2	73.7	4.8	49.9	156.5	74.5	1.2
RB12-04-91	258	23481	2.7	21.7853	7.9	0.0736	8.2	0.0116	2.2	0.27	74.5	1.6	72.1	5.7	-7.5	191.7	74.5	1.6
RB12-04-100	533	3809	2.8	20.0621	7.2	0.0805	7.3	0.0117	1.4	0.20	75.1	1.1	78.6	5.5	187.8	167.2	75.1	1.1
RB12-04-3	382	29031	5.7	20.3950	5.2	0.0793	5.4	0.0117	1.5	0.28	75.2	1.1	77.5	4.0	149.4	121.8	75.2	1.1
RB12-04-92	322	23759	3.1	21.8283	9.0	0.0742	9.4	0.0117	3.0	0.31	75.3	2.2	72.7	6.6	-12.2	217.0	75.3	2.2
RB12-04-10	265	7014	1.5	23.0964	8.8	0.0704	9.0	0.0118	1.6	0.17	75.6	1.2	69.1	6.0	-150.5	219.8	75.6	1.2
RB12-04-32	1002	35641	1.5	20.9567	1.7	0.0778	2.2	0.0118	1.4	0.61	75.8	1.0	76.1	1.6	85.3	41.5	75.8	1.0
RB12-04-9	319	17538	2.7	21.3385	12.0	0.0772	12.6	0.0120	3.5	0.28	76.6	2.7	75.5	9.1	42.3	288.9	76.6	2.7
RB12-04-14	148	11326	2.7	21.3117	17.3	0.0774	17.7	0.0120	3.9	0.22	76.6	3.0	75.7	12.9	45.3	416.1	76.6	3.0
RB12-04-90	231	15828	2.1	21.5638	16.3	0.0765	16.4	0.0120	1.8	0.11	76.7	1.4	74.9	11.8	17.1	392.9	76.7	1.4
RB12-04-38	250	7049	5.2	23.6670	12.5	0.0699	12.8	0.0120	2.8	0.22	76.9	2.1	68.6	8.5	-211.4	315.8	76.9	2.1
RB12-04-105	2224	126966	7.2	20.9546	0.9	0.0791	1.9	0.0120	1.7	0.89	77.0	1.3	77.3	1.4	85.5	21.1	77.0	1.3
RB12-04-48	343	10304	2.6	21.8249	8.4	0.0760	9.0	0.0120	3.2	0.36	77.1	2.4	74.4	6.4	-11.9	202.4	77.1	2.4
RB12-04-22	33	3672	1.9	19.3531	43.0	0.0862	44.0	0.0121	9.3	0.21	77.5	7.2	83.9	35.5	270.9	1029.6	77.5	7.2
RB12-04-8	174	8746	2.3	20.5238	13.0	0.0821	13.2	0.0122	2.3	0.17	78.3	1.8	80.1	10.2	134.5	306.3	78.3	1.8
RB12-04-72	315	38761	2.1	21.2460	4.3	0.0794	4.6	0.0122	1.5	0.34	78.4	1.2	77.6	3.4	52.6	103.0	78.4	1.2
RB12-04-54	259	10938	2.0	20.2752	9.3	0.0842	9.3	0.0124	0.8	0.09	79.4	0.6	82.1	7.4	163.1	218.1	79.4	0.6
RB12-04-89	720	76277	1.0	21.5433	2.7	0.0806	3.0	0.0126	1.4	0.45	80.7	1.1	78.7	2.3	19.4	64.8	80.7	1.1
RB12-04-34	820	48788	2.8	20.6955	3.2	0.0847	3.4	0.0127	0.9	0.27	81.5	0.7	82.6	2.7	114.9	76.3	81.5	0.7
RB12-04-63	175	5500	2.9	22.1016	15.8	0.0799	16.0	0.0128	2.9	0.18	82.1	2.3	78.1	12.1	-42.4	385.5	82.1	2.3
RB12-04-33	366	24737	3.9	20.9476	6.7	0.0844	6.9	0.0128	1.7	0.25	82.1	1.4	82.2	5.4	86.3	158.6	82.1	1.4
RB12-04-68	340	19570	1.8	21.6393	6.9	0.0832	8.9	0.0131	5.7	0.64	83.6	4.7	81.1	6.9	8.7	165.2	83.6	4.7
RB12-04-36	753	39055	5.6	21.0981	2.9	0.0870	3.9	0.0133	2.6	0.67	85.2	2.2	84.7	3.2	69.3	69.6	85.2	2.2
RB12-04-114	155	10311	1.9	20.9093	16.2	0.0917	16.8	0.0139	4.3	0.25	89.0	3.8	89.1	14.3	90.6	387.2	89.0	3.8
RB12-04-16	152	4213	0.9	21.1233	10.4	0.0911	10.6	0.0140	2.4	0.22	89.4	2.1	88.6	9.0	66.4	247.1	89.4	2.1
RB12-04-88	739	47170	16.7	20.9339	2.9	0.0943	6.3	0.0143	5.6	0.89	91.6	5.1	91.5	5.5	87.9	68.9	91.6	5.1
RB12-04-1	2673	159895	20.1	20.8703	0.5	0.0973	4.2	0.0147	4.2	0.99	94.3	3.9	94.3	3.8	95.1	12.8	94.3	3.9
RB12-04-61	280	19232	3.3	20.9280	6.4	0.1008	7.8	0.0153	4.5	0.57	97.9	4.3	97.5	7.3	88.6	152.7	97.9	4.3
RB12-04-81	64	3181	3.3	22.1928	36.7	0.1028	36.9	0.0165	4.0	0.11	105.8	4.2	99.3	34.9	-52.4	919.4	105.8	4.2
RB12-04-40	359	14106	2.2	20.7031	5.6	0.1116	5.8	0.0168	1.3	0.23	107.1	1.4	107.4	5.9	114.1	133.0	107.1	1.4
RB12-04-79	126	15542	1.5	19.1274	16.0	0.1221	16.2	0.0169	2.7	0.17	108.3	3.0	117.0	17.9	297.7	367.2	108.3	3.0
RB12-04-56	164	13626	1.9	21.0475	11.3	0.1111	11.9	0.0170	3.9	0.33	108.4	4.2	107.0	12.1	75.0	268.5	108.4	4.2
RB12-04-69	166	15369	1.5	21.7382	10.9	0.1107	11.0	0.0174	1.6	0.14	111.5	1.8	106.6	11.1	-2.3	262.8	111.5	1.8
RB12-04-39	102	11558	2.0	19.7001	13.8	0.1222	14.9	0.0175	5.6	0.38	111.6	6.2	117.1	16.5	230.0	320.4	111.6	6.2
RB12-04-76	502	35055	2.2	20.9597	4.7	0.1177	5.6	0.0179	2.9	0.52	114.3	3.3	112.9	5.9	84.9	112.2	114.3	3.3
RB12-04-23	103	7019	2.1	21.2567	8.6	0.1208	9.0	0.0186	2.9	0.32	119.0	3.4	115.8	9.9	51.5	204.9	119.0	3.4

RB12-04-80	162	27292	1.9	21.6733	13.2	0.1195	13.7	0.0188	3.7	0.27	120.0	4.4	114.6	14.8	4.9	318.0	120.0	4.4
RB12-04-113	2679	199189	0.8	20.7659	0.6	0.1330	3.6	0.0200	3.5	0.98	127.9	4.5	126.8	4.3	107.0	14.7	127.9	4.5
RB12-04-58	209	19188	3.4	21.9593	8.0	0.1299	8.3	0.0207	2.5	0.30	132.0	3.2	124.0	9.7	-26.7	193.1	132.0	3.2
RB12-04-49	99	7213	2.7	23.4650	10.2	0.1395	10.6	0.0237	2.9	0.27	151.3	4.3	132.6	13.2	-189.9	255.0	151.3	4.3
RB12-04-74	176	17859	2.4	20.7831	8.3	0.1592	8.6	0.0240	2.2	0.25	152.8	3.3	150.0	12.0	105.0	197.0	152.8	3.3
RB12-04-27	231	32294	1.5	19.3931	4.3	0.1718	4.6	0.0242	1.4	0.31	154.0	2.1	161.0	6.8	266.1	99.4	154.0	2.1
RB12-04-44	47	7225	2.9	19.6053	17.0	0.1728	18.0	0.0246	6.0	0.33	156.5	9.3	161.8	27.0	241.1	394.5	156.5	9.3
RB12-04-110	1670	44667	2.2	20.1664	0.8	0.1710	1.6	0.0250	1.4	0.88	159.2	2.3	160.3	2.4	175.7	18.3	159.2	2.3
RB12-04-41	170	57512	2.5	21.2441	9.8	0.1628	9.9	0.0251	1.4	0.14	159.7	2.1	153.2	14.1	52.9	235.1	159.7	2.1
RB12-04-18	309	38738	1.6	20.3718	3.0	0.1711	3.4	0.0253	1.4	0.43	160.9	2.3	160.3	5.0	152.0	71.0	160.9	2.3
RB12-04-70	62	9606	2.3	24.8944	27.2	0.1412	27.3	0.0255	2.8	0.10	162.3	4.4	134.2	34.4	-340.0	711.5	162.3	4.4
RB12-04-19	80	6377	1.6	20.9631	21.1	0.1685	21.3	0.0256	2.2	0.10	163.1	3.5	158.1	31.1	84.5	506.6	163.1	3.5
RB12-04-46	150	15758	2.4	20.1449	5.6	0.1760	6.3	0.0257	2.8	0.44	163.6	4.5	164.6	9.6	178.2	131.6	163.6	4.5
RB12-04-94	43	4950	2.5	20.4236	28.7	0.1773	29.9	0.0263	8.5	0.29	167.1	14.1	165.8	45.8	146.1	685.2	167.1	14.1
RB12-04-21	156	13602	1.7	19.8252	3.7	0.1957	5.1	0.0281	3.6	0.70	178.9	6.3	181.5	8.5	215.3	85.2	178.9	6.3
RB12-04-17	336	50689	1.2	20.1121	3.0	0.2008	3.2	0.0293	1.1	0.34	186.1	2.0	185.8	5.5	182.0	70.7	186.1	2.0
RB12-04-67	111	17873	3.8	20.8104	6.8	0.1944	6.9	0.0293	1.4	0.20	186.4	2.6	180.4	11.4	101.9	160.5	186.4	2.6
RB12-04-47	158	27444	2.1	20.6775	6.3	0.1983	6.4	0.0297	1.4	0.21	188.9	2.5	183.7	10.8	117.0	147.8	188.9	2.5
RB12-04-87	155	23016	2.3	20.6271	6.3	0.2007	6.7	0.0300	2.1	0.32	190.7	4.0	185.8	11.3	122.7	148.8	190.7	4.0
RB12-04-15	350	101027	1.5	19.7011	2.3	0.2146	7.5	0.0307	7.2	0.95	194.7	13.7	197.4	13.5	229.9	52.0	194.7	13.7
RB12-04-97	185	33750	2.4	20.1587	5.6	0.2108	6.1	0.0308	2.6	0.42	195.7	5.0	194.2	10.8	176.6	129.9	195.7	5.0
RB12-04-99	266	24074	1.5	19.9366	3.7	0.2151	4.4	0.0311	2.4	0.54	197.5	4.6	197.9	7.9	202.4	86.2	197.5	4.6
RB12-04-95	114	18282	2.8	19.4334	9.1	0.2271	9.4	0.0320	2.4	0.25	203.1	4.8	207.8	17.7	261.4	209.4	203.1	4.8
RB12-04-62	124	14596	3.6	21.1329	5.8	0.2103	6.2	0.0322	2.0	0.33	204.5	4.1	193.8	10.9	65.4	139.0	204.5	4.1
RB12-04-20	138	14350	2.7	20.9535	4.9	0.2142	5.1	0.0325	1.3	0.26	206.5	2.7	197.1	9.2	85.7	117.4	206.5	2.7
RB12-04-98	167	30865	1.8	20.4048	5.5	0.2216	6.6	0.0328	3.6	0.55	208.0	7.5	203.3	12.2	148.2	129.8	208.0	7.5
RB12-04-104	236	42463	1.4	20.5756	2.4	0.2581	3.3	0.0385	2.3	0.70	243.7	5.6	233.2	6.9	128.7	56.3	243.7	5.6
RB12-04-51	534	82447	1.2	18.9012	1.8	0.3023	4.0	0.0414	3.6	0.90	261.7	9.3	268.2	9.5	324.8	40.5	261.7	9.3
RB12-04-60	134	20237	1.7	19.3099	5.9	0.4097	6.9	0.0574	3.6	0.52	359.7	12.5	348.7	20.3	276.0	134.4	359.7	12.5
RB12-04-86	231	98870	3.1	18.9729	3.1	0.4204	3.3	0.0579	1.1	0.35	362.6	4.1	356.4	10.0	316.2	70.7	362.6	4.1
RB12-04-59	71	36703	0.6	18.8130	6.3	0.4460	6.5	0.0609	1.7	0.26	380.8	6.2	374.5	20.4	335.4	142.4	380.8	6.2
RB12-04-115	276	202592	6.4	15.6981	2.1	0.7734	2.8	0.0881	1.8	0.64	544.0	9.4	581.7	12.4	731.8	45.5	544.0	9.4
RB12-04-77	96	70154	1.7	16.6684	4.5	0.8317	4.6	0.1005	1.0	0.22	617.6	5.9	614.6	21.3	603.3	97.8	617.6	5.9
RB12-04-107	245	113650	1.5	13.2269	0.6	1.8788	1.0	0.1802	0.8	0.78	1068.2	7.4	1073.6	6.4	1084.6	12.0	1084.6	12.0
RB12-04-29	29	20176	2.3	9.4611	2.2	4.5886	2.5	0.3149	1.2	0.47	1764.6	18.3	1747.2	21.1	1726.4	41.0	1726.4	41.0
RB12-04-111	247	263210	2.0	9.1464	0.2	4.8570	1.2	0.3222	1.2	0.99	1800.4	18.9	1794.8	10.3	1788.3	3.7	1788.3	3.7
RB12-04-109	72	231128	1.3	7.8013	0.5	6.8362	5.7	0.3868	5.7	1.00	2107.9	102.9	2090.4	51.0	2073.2	9.6	2073.2	9.6
RB12-04-106	152	235451	1.4	7.7676	0.2	7.0227	2.8	0.3956	2.7	1.00	2148.9	50.1	2114.3	24.5	2080.8	3.6	2080.8	3.6
RB12-04-112	40	90781	0.6	5.9515	0.5	10.7865	2.0	0.4656	1.9	0.96	2464.2	39.3	2504.9	18.6	2538.0	9.2	2538.0	9.2
RB12-04-102	28	78073	1.1	5.7458	0.6	12.2026	1.4	0.5085	1.2	0.91	2650.3	26.7	2620.1	12.7	2596.9	9.5	2596.9	9.5
Sample RB12-08, Orca Fm (60.11121, -149.35826)																		
RB12-08-39	217	15440	2.8	22.6218	16.1	0.0558	16.7	0.0092	4.6	0.27	58.7	2.7	55.1	9.0	-99.2	397.1	58.7	2.7
RB12-08-43	50	1909	3.8	6.1019	308.3	0.2078	308.6	0.0092	12.6	0.04	59.0	7.4	191.7	600.5	2496.1	171.1	59.0	7.4
RB12-08-25	773	28654	1.5	20.3357	5.4	0.0630	5.9	0.0093	2.2	0.38	59.6	1.3	62.0	3.5	156.2	127.6	59.6	1.3
RB12-08-4	172	5672	3.2	19.6212	14.3	0.0654	14.7	0.0093	3.6	0.24	59.7	2.1	64.3	9.2	239.3	331.1	59.7	2.1
RB12-08-74	266	20918	3.3	20.1744	10.8	0.0640	11.0	0.0094	2.4	0.21	60.1	1.4	63.0	6.7	174.8	251.9	60.1	1.4
RB12-08-64	191	1372	2.2	16.7826	18.7	0.0775	19.3	0.0094	4.9	0.25	60.5	2.9	75.8	14.1	588.5	409.1	60.5	2.9
RB12-08-60	570	28789	3.3	21.5574	7.8	0.0604	8.1	0.0094	2.0	0.25	60.6	1.2	59.5	4.7	17.8	187.6	60.6	1.2
RB12-08-72	102	6115	2.3	16.0919	34.3	0.0810	34.6	0.0095	4.4	0.13	60.7	2.7	79.1	26.3	679.0	754.6	60.7	2.7

RB12-08-77	325	19887	2.2	22.8067	14.4	0.0572	14.8	0.0095	3.2	0.22	60.7	2.0	56.5	8.1	-119.3	357.3	60.7	2.0
RB12-08-2	543	30191	4.4	21.6222	8.3	0.0605	8.7	0.0095	2.4	0.28	60.9	1.5	59.7	5.0	10.6	200.3	60.9	1.5
RB12-08-95	323	14978	2.7	23.7611	24.6	0.0551	24.9	0.0095	4.0	0.16	61.0	2.4	54.5	13.2	-221.4	625.8	61.0	2.4
RB12-08-54	148	4443	6.4	26.7921	33.0	0.0490	33.1	0.0095	2.8	0.09	61.1	1.7	48.6	15.7	-533.1	903.6	61.1	1.7
RB12-08-75	198	5653	3.5	19.8493	20.7	0.0664	21.0	0.0096	3.8	0.18	61.4	2.3	65.3	13.3	212.5	483.5	61.4	2.3
RB12-08-34	744	30768	2.3	20.4383	5.5	0.0646	5.9	0.0096	1.9	0.32	61.4	1.2	63.5	3.6	144.4	130.0	61.4	1.2
RB12-08-88	167	5750	3.3	23.6419	27.5	0.0559	27.8	0.0096	4.1	0.15	61.5	2.5	55.2	15.0	-208.7	702.0	61.5	2.5
RB12-08-31	256	13752	4.0	23.6464	16.2	0.0561	16.5	0.0096	3.0	0.18	61.7	1.8	55.4	8.9	-209.2	409.6	61.7	1.8
RB12-08-24	2038	53001	2.6	21.0051	3.0	0.0632	4.1	0.0096	2.8	0.69	61.7	1.7	62.2	2.5	79.8	71.2	61.7	1.7
RB12-08-10	86	6511	3.8	38.7155	50.5	0.0344	50.8	0.0097	4.9	0.10	62.0	3.0	34.4	17.2	NA	NA	62.0	3.0
RB12-08-85	191	14117	2.0	21.3930	15.1	0.0624	15.5	0.0097	3.6	0.23	62.1	2.2	61.5	9.3	36.2	363.1	62.1	2.2
RB12-08-87	214	11265	3.4	23.4824	14.6	0.0569	14.9	0.0097	3.1	0.21	62.2	1.9	56.2	8.1	-191.8	365.8	62.2	1.9
RB12-08-89	815	32935	3.3	21.3754	5.1	0.0627	5.2	0.0097	1.3	0.24	62.4	0.8	61.7	3.1	38.1	121.8	62.4	0.8
RB12-08-11	409	20299	4.3	20.4335	9.5	0.0661	9.8	0.0098	2.0	0.20	62.8	1.2	65.0	6.1	144.9	224.4	62.8	1.2
RB12-08-97	587	34310	5.4	21.1292	6.6	0.0642	6.8	0.0098	1.4	0.20	63.1	0.9	63.1	4.1	65.8	157.5	63.1	0.9
RB12-08-44	181	14828	4.9	24.0686	37.2	0.0563	37.6	0.0098	5.6	0.15	63.1	3.5	55.6	20.4	-253.8	971.6	63.1	3.5
RB12-08-61	528	42703	2.5	20.8456	9.2	0.0651	9.4	0.0098	1.8	0.20	63.1	1.1	64.0	5.8	97.9	217.7	63.1	1.1
RB12-08-38	88	3988	2.1	18.5971	19.8	0.0730	21.3	0.0098	8.0	0.38	63.2	5.0	71.6	14.7	361.5	449.6	63.2	5.0
RB12-08-67	332	52786	3.1	21.6953	11.1	0.0627	11.6	0.0099	3.5	0.31	63.3	2.2	61.7	7.0	2.5	267.1	63.3	2.2
RB12-08-12	1077	46904	4.4	21.1740	2.7	0.0644	2.9	0.0099	1.0	0.36	63.4	0.6	63.3	1.8	60.8	63.5	63.4	0.6
RB12-08-92	246	9653	7.6	20.8393	14.0	0.0654	14.3	0.0099	3.2	0.22	63.4	2.0	64.3	8.9	98.6	332.6	63.4	2.0
RB12-08-20	469	17978	3.9	21.7804	8.6	0.0626	8.7	0.0099	1.7	0.19	63.5	1.1	61.7	5.2	-6.9	207.5	63.5	1.1
RB12-08-68	1366	26005	2.5	21.3721	1.5	0.0642	2.1	0.0100	1.4	0.66	63.9	0.9	63.2	1.3	38.5	37.0	63.9	0.9
RB12-08-41	381	8684	4.3	21.6198	14.9	0.0637	15.2	0.0100	2.8	0.18	64.0	1.8	62.7	9.2	10.9	359.9	64.0	1.8
RB12-08-14	512	42538	6.2	20.5995	5.1	0.0670	5.1	0.0100	0.6	0.11	64.2	0.4	65.9	3.3	125.9	120.4	64.2	0.4
RB12-08-82	303	27183	6.6	20.1791	10.5	0.0689	10.8	0.0101	2.6	0.24	64.7	1.7	67.6	7.1	174.2	244.9	64.7	1.7
RB12-08-18	103	4230	2.6	63.9431	68.0	0.0218	68.2	0.0101	4.9	0.07	64.9	3.2	21.9	14.8	NA	NA	64.9	3.2
RB12-08-96	400	17870	6.5	20.9958	6.3	0.0667	6.5	0.0102	1.5	0.23	65.2	1.0	65.6	4.1	80.8	149.9	65.2	1.0
RB12-08-56	282	15046	3.1	21.4137	14.0	0.0657	14.2	0.0102	2.5	0.18	65.5	1.6	64.6	8.9	33.9	335.6	65.5	1.6
RB12-08-12	126	10514	4.8	28.7853	33.0	0.0490	33.3	0.0102	4.4	0.13	65.6	2.9	48.6	15.8	-729.4	943.1	65.6	2.9
RB12-08-21	355	32044	5.5	21.0367	10.7	0.0675	11.1	0.0103	2.9	0.26	66.1	1.9	66.4	7.1	76.2	255.3	66.1	1.9
RB12-08-47	323	14899	1.6	20.2595	10.2	0.0706	10.6	0.0104	2.9	0.27	66.6	1.9	69.3	7.1	164.9	239.7	66.6	1.9
RB12-08-78	271	30292	6.0	21.7908	11.0	0.0657	11.3	0.0104	2.4	0.22	66.6	1.6	64.6	7.1	-8.1	267.3	66.6	1.6
RB12-08-40	515	21717	5.1	21.2720	6.3	0.0689	7.5	0.0106	4.2	0.56	68.2	2.8	67.6	4.9	49.8	149.9	68.2	2.8
RB12-08-16	359	35090	6.3	21.8168	7.5	0.0673	8.4	0.0106	3.8	0.45	68.3	2.6	66.1	5.4	-11.0	181.2	68.3	2.6
RB12-08-66	303	15749	5.2	21.2881	11.3	0.0696	11.7	0.0108	3.0	0.26	68.9	2.1	68.4	7.7	47.9	270.5	68.9	2.1
RB12-08-46	222	16451	5.7	24.9511	21.8	0.0601	21.9	0.0109	2.1	0.10	69.8	1.5	59.3	12.6	-345.9	567.9	69.8	1.5
RB12-08-35	393	34605	2.8	19.4166	9.0	0.0776	9.2	0.0109	2.1	0.23	70.0	1.5	75.8	6.7	263.4	206.5	70.0	1.5
RB12-08-53	188	21646	3.8	24.1999	32.6	0.0628	33.2	0.0110	6.3	0.19	70.7	4.4	61.9	19.9	-267.6	846.9	70.7	4.4
RB12-08-91	238	13891	3.6	21.0352	10.1	0.0728	10.3	0.0111	2.2	0.21	71.2	1.6	71.3	7.1	76.4	240.7	71.2	1.6
RB12-08-42	226	10930	5.0	22.1696	27.4	0.0695	27.6	0.0112	3.2	0.11	71.6	2.2	68.2	18.2	-49.9	677.8	71.6	2.2
RB12-08-32	437	35409	2.8	21.8746	8.1	0.0704	9.6	0.0112	5.0	0.52	71.6	3.6	69.1	6.4	-17.4	197.2	71.6	3.6
RB12-08-1	177	11071	2.6	21.1931	25.2	0.0729	25.4	0.0112	3.8	0.15	71.8	2.7	71.5	17.6	58.6	608.3	71.8	2.7
RB12-08-80	160	16788	2.1	21.8697	12.3	0.0708	12.9	0.0112	3.8	0.30	72.0	2.7	69.5	8.7	-16.8	298.9	72.0	2.7
RB12-08-28	180	1332	2.0	16.7589	17.6	0.0930	18.2	0.0113	4.5	0.25	72.4	3.2	90.3	15.7	591.6	385.0	72.4	3.2
RB12-08-79	162	6119	2.0	27.2776	21.3	0.0572	21.5	0.0113	3.1	0.15	72.5	2.3	56.4	11.8	-581.4	581.9	72.5	2.3
RB12-08-33	786	40103	4.6	20.9221	7.8	0.0748	8.0	0.0113	1.7	0.21	72.7	1.2	73.2	5.6	89.2	185.4	72.7	1.2
RB12-08-59	322	5907	3.2	21.1639	11.7	0.0739	11.8	0.0113	1.8	0.15	72.8	1.3	72.4	8.2	61.9	278.5	72.8	1.3
RB12-08-51	256	13879	4.1	21.1161	26.1	0.0743	26.3	0.0114	3.8	0.14	72.9	2.7	72.8	18.5	67.3	629.8	72.9	2.7
RB12-08-69	344	23230	2.0	21.2632	9.7	0.0742	9.8	0.0114	2.0	0.20	73.4	1.4	72.7	6.9	50.7	230.8	73.4	1.4

RB12-08-29	201	15038	2.7	20.1796	11.6	0.0784	12.2	0.0115	3.5	0.29	73.6	2.6	76.7	9.0	174.2	272.3	73.6	2.6
RB12-08-37	120	9880	1.7	21.2482	33.8	0.0751	34.5	0.0116	7.0	0.20	74.2	5.1	73.5	24.5	52.4	827.2	74.2	5.1
RB12-08-50	212	16902	3.2	23.0701	15.2	0.0696	15.5	0.0116	3.2	0.21	74.6	2.4	68.3	10.3	-147.7	379.1	74.6	2.4
RB12-08-57	173	6844	4.0	21.6425	16.3	0.0746	16.5	0.0117	2.1	0.13	75.0	1.6	73.0	11.6	8.3	395.3	75.0	1.6
RB12-08-52	835	33043	5.5	20.2206	5.4	0.0822	5.6	0.0121	1.2	0.22	77.2	1.0	80.2	4.3	169.4	126.5	77.2	1.0
RB12-08-83	561	61253	2.1	21.9190	7.2	0.0762	7.5	0.0121	1.9	0.25	77.7	1.4	74.6	5.4	-22.3	175.1	77.7	1.4
RB12-08-73	49	3037	1.3	27.6270	56.0	0.0606	56.7	0.0121	8.8	0.16	77.8	6.8	59.7	32.9	-616.0	1642.3	77.8	6.8
RB12-08-3	251	19746	2.5	22.7430	10.8	0.0744	11.3	0.0123	3.4	0.30	78.6	2.6	72.8	7.9	-112.4	266.0	78.6	2.6
RB12-08-62	97	5772	3.1	24.7795	34.6	0.0685	35.3	0.0123	7.0	0.20	78.9	5.5	67.3	23.0	-328.1	912.6	78.9	5.5
RB12-08-94	130	7800	1.1	21.6802	20.1	0.0791	20.3	0.0124	2.5	0.12	79.7	2.0	77.3	15.1	4.2	488.4	79.7	2.0
RB12-08-81	55	10200	1.2	12.8143	112.7	0.1357	113.0	0.0126	9.1	0.08	80.8	7.3	129.2	138.0	1147.8	289.4	80.8	7.3
RB12-08-84	107	7955	1.2	29.1149	47.1	0.0605	47.2	0.0128	4.2	0.09	81.8	3.4	59.7	27.4	-761.3	1388.2	81.8	3.4
RB12-08-26	134	20056	1.5	23.3300	17.0	0.0835	17.2	0.0141	2.8	0.16	90.4	2.5	81.4	13.5	-175.5	425.4	90.4	2.5
RB12-08-76	98	8035	1.3	28.0116	23.2	0.0704	24.3	0.0143	7.1	0.29	91.6	6.4	69.1	16.2	-653.9	646.0	91.6	6.4
RB12-08-17	1978	130437	4.4	20.6748	2.0	0.0995	10.6	0.0149	10.5	0.98	95.5	9.9	96.3	9.8	117.3	46.2	95.5	9.9
RB12-08-65	484	27710	2.2	19.6824	5.0	0.1073	5.1	0.0153	1.1	0.22	98.0	1.1	103.5	5.0	232.0	115.2	98.0	1.1
RB12-08-27	421	33717	4.2	20.1659	5.3	0.1068	5.5	0.0156	1.5	0.28	99.9	1.5	103.0	5.4	175.7	123.3	99.9	1.5
RB12-08-22	581	31801	1.8	20.4439	3.3	0.1085	3.5	0.0161	1.1	0.32	102.8	1.1	104.6	3.5	143.7	77.4	102.8	1.1
RB12-08-49	374	92185	2.7	19.7548	3.4	0.1134	7.3	0.0163	6.5	0.89	103.9	6.7	109.1	7.6	223.6	78.5	103.9	6.7
RB12-08-9	62	10000	4.5	19.8832	55.6	0.1139	56.1	0.0164	7.5	0.13	105.0	7.8	109.5	58.3	208.6	1394.6	105.0	7.8
RB12-08-63	36	3612	1.9	29.5809	30.9	0.1124	31.3	0.0241	4.7	0.15	153.6	7.1	108.1	32.1	-806.2	895.5	153.6	7.1
RB12-08-48	64	19169	2.6	18.9639	19.5	0.1776	21.6	0.0244	9.3	0.43	155.5	14.4	166.0	33.1	317.3	447.5	155.5	14.4
RB12-08-93	34	4108	3.8	25.6934	60.1	0.1339	60.5	0.0250	7.6	0.13	158.9	11.9	127.6	72.7	-422.1	1717.4	158.9	11.9
RB12-08-36	62	8030	1.5	23.8301	32.4	0.1457	33.4	0.0252	8.0	0.24	160.3	12.7	138.1	43.2	-228.7	836.2	160.3	12.7
RB12-08-70	58	10772	2.5	20.8584	26.7	0.1677	26.8	0.0254	2.4	0.09	161.5	3.8	157.4	39.1	96.4	641.7	161.5	3.8
RB12-08-90	50	16790	3.5	19.9904	10.7	0.1751	12.1	0.0254	5.7	0.47	161.6	9.1	163.9	18.3	196.1	248.9	161.6	9.1
RB12-08-100	43	6092	2.9	20.5891	36.8	0.1724	37.1	0.0257	4.3	0.12	163.9	6.9	161.5	55.4	127.1	894.1	163.9	6.9
RB12-08-7	367	42894	2.8	20.0840	5.3	0.1776	5.4	0.0259	0.7	0.14	164.7	1.2	166.0	8.3	185.2	124.4	164.7	1.2
RB12-08-58	458	72257	2.7	20.3708	2.5	0.1752	2.7	0.0259	1.0	0.35	164.8	1.5	163.9	4.1	152.1	58.9	164.8	1.5
RB12-08-98	194	34244	1.8	20.0596	6.3	0.1782	6.4	0.0259	1.3	0.21	165.0	2.2	166.5	9.9	188.1	146.3	165.0	2.2
RB12-08-71	106	20267	2.1	23.6148	13.9	0.1526	14.0	0.0261	1.2	0.08	166.4	1.9	144.2	18.8	-205.9	351.1	166.4	1.9
RB12-08-86	51	19743	1.7	20.0271	31.8	0.1812	32.1	0.0263	4.0	0.12	167.4	6.6	169.1	50.0	191.9	757.3	167.4	6.6
RB12-08-15	62	13983	2.6	20.0024	15.1	0.1823	15.3	0.0264	2.6	0.17	168.3	4.4	170.1	23.9	194.7	351.7	168.3	4.4
RB12-08-45	294	38069	1.9	20.0419	5.7	0.1859	5.9	0.0270	1.6	0.28	171.9	2.8	173.2	9.4	190.2	132.4	171.9	2.8
RB12-08-5	132	22317	1.3	21.0698	13.6	0.1803	14.3	0.0275	4.6	0.32	175.2	7.9	168.3	22.2	72.5	324.1	175.2	7.9
RB12-08-6	58	6001	2.6	21.2665	19.9	0.1880	20.1	0.0290	3.0	0.15	184.3	5.5	175.0	32.3	50.4	478.5	184.3	5.5
RB12-08-30	216	38643	2.0	19.9451	5.4	0.2096	5.9	0.0303	2.5	0.43	192.5	4.8	193.2	10.4	201.4	124.5	192.5	4.8
RB12-08-55	422	87596	1.7	19.9378	2.6	0.2238	2.7	0.0324	0.8	0.28	205.3	1.5	205.1	5.0	202.2	60.3	205.3	1.5
RB12-08-8	135	23073	3.7	19.6503	6.8	0.2320	6.9	0.0331	1.2	0.17	209.7	2.5	211.8	13.2	235.9	157.0	209.7	2.5
RB12-08-99	97	48476	2.7	19.5164	5.3	0.3890	5.6	0.0551	1.7	0.30	345.6	5.7	333.7	15.9	251.6	123.1	345.6	5.7

Sample RB12-12, Valdez Fm (60.49258. -149.75258)

RB12-12-21	673	31783	4.1	21.1658	4.2	0.0712	4.7	0.0109	2.0	0.43	70.1	1.4	69.8	3.2	61.7	100.8	70.1	1.4
RB12-12-94	333	21866	3.2	18.5129	22.2	0.0817	27.7	0.0110	16.5	0.60	70.4	11.5	79.8	21.2	371.7	505.3	70.4	11.5
RB12-12-41	195	15528	2.4	20.6933	15.2	0.0732	15.3	0.0110	2.2	0.14	70.4	1.5	71.7	10.6	115.2	359.5	70.4	1.5
RB12-12-40	723	73143	4.5	21.3745	2.4	0.0710	2.7	0.0110	1.3	0.47	70.6	0.9	69.7	1.8	38.2	57.5	70.6	0.9
RB12-12-1	311	29696	3.1	21.7880	6.8	0.0699	7.3	0.0111	2.5	0.35	70.9	1.8	68.6	4.8	-7.8	165.4	70.9	1.8
RB12-12-73	639	81099	3.9	20.8546	5.4	0.0733	5.7	0.0111	2.0	0.35	71.1	1.4	71.8	4.0	96.9	127.1	71.1	1.4
RB12-12-44	129	12511	4.5	21.5394	19.3	0.0710	20.1	0.0111	5.3	0.26	71.1	3.8	69.7	13.5	19.8	468.1	71.1	3.8
RB12-12-50	494	41238	3.5	20.6674	5.9	0.0741	6.2	0.0111	2.0	0.33	71.2	1.4	72.6	4.4	118.1	138.6	71.2	1.4

RB12-12-60	531	27829	2.2	21.4165	6.8	0.0717	6.8	0.0111	1.0	0.15	71.4	0.7	70.3	4.6	33.5	162.0	71.4	0.7
RB12-12-102	1516	252729	4.5	21.0579	2.2	0.0730	2.6	0.0111	1.3	0.51	71.5	0.9	71.5	1.8	73.8	53.4	71.5	0.9
RB12-12-28	538	34666	2.3	20.4163	4.7	0.0753	4.9	0.0112	1.5	0.30	71.5	1.1	73.7	3.5	146.9	109.7	71.5	1.1
RB12-12-49	292	26024	3.1	22.0066	16.6	0.0699	17.0	0.0112	3.7	0.22	71.5	2.7	68.6	11.3	-31.9	404.1	71.5	2.7
RB12-12-69	142	10293	2.3	18.8991	11.1	0.0814	12.5	0.0112	5.6	0.45	71.5	4.0	79.5	9.5	325.0	253.3	71.5	4.0
RB12-12-5	189	6682	4.2	21.7951	13.6	0.0706	13.8	0.0112	2.3	0.17	71.5	1.6	69.3	9.3	-8.6	330.2	71.5	1.6
RB12-12-76	536	31794	4.2	20.6584	4.6	0.0745	4.7	0.0112	0.9	0.18	71.6	0.6	73.0	3.3	119.2	109.0	71.6	0.6
RB12-12-13	1818	79409	2.3	21.4264	2.3	0.0719	2.4	0.0112	0.7	0.30	71.7	0.5	70.5	1.6	32.4	54.5	71.7	0.5
RB12-12-71	173	14221	2.0	20.2433	16.7	0.0761	17.2	0.0112	4.0	0.23	71.7	2.8	74.5	12.4	166.8	393.4	71.7	2.8
RB12-12-52	892	51919	2.6	21.0396	3.0	0.0734	3.2	0.0112	1.0	0.32	71.8	0.7	71.9	2.2	75.9	71.4	71.8	0.7
RB12-12-82	288	46760	2.1	21.7295	6.6	0.0711	7.0	0.0112	2.4	0.34	71.8	1.7	69.8	4.7	-1.3	159.7	71.8	1.7
RB12-12-96	102	7161	2.6	27.4944	35.2	0.0562	35.6	0.0112	5.1	0.14	71.9	3.6	55.5	19.2	-602.9	982.8	71.9	3.6
RB12-12-93	392	62511	2.0	21.5594	9.0	0.0717	9.2	0.0112	1.9	0.21	71.9	1.4	70.4	6.3	17.6	217.2	71.9	1.4
RB12-12-11	190	16130	3.2	24.1747	23.6	0.0640	24.1	0.0112	4.8	0.20	71.9	3.5	63.0	14.7	-265.0	606.4	71.9	3.5
RB12-12-27	240	25384	2.2	20.4004	12.6	0.0758	13.3	0.0112	4.3	0.32	71.9	3.1	74.2	9.5	148.7	295.6	71.9	3.1
RB12-12-20	163	12043	5.0	19.6330	16.7	0.0790	17.8	0.0112	6.1	0.35	72.1	4.4	77.2	13.2	237.9	387.5	72.1	4.4
RB12-12-24	838	41819	6.3	21.5244	3.5	0.0721	3.6	0.0113	1.0	0.29	72.2	0.8	70.7	2.5	21.5	82.9	72.2	0.8
RB12-12-19	188	20444	2.3	22.0333	21.9	0.0705	22.2	0.0113	3.2	0.14	72.2	2.3	69.2	14.8	-34.9	537.8	72.2	2.3
RB12-12-26	322	24350	3.6	21.1621	7.1	0.0735	7.3	0.0113	1.6	0.22	72.3	1.1	72.0	5.0	62.1	169.0	72.3	1.1
RB12-12-59	749	43750	5.6	21.3151	3.1	0.0729	3.4	0.0113	1.3	0.38	72.3	0.9	71.5	2.3	44.9	75.0	72.3	0.9
RB12-12-56	1222	93328	4.7	20.8448	3.3	0.0747	3.5	0.0113	1.3	0.36	72.4	0.9	73.2	2.5	98.0	77.5	72.4	0.9
RB12-12-72	294	22837	3.8	20.4728	13.2	0.0761	13.4	0.0113	2.5	0.18	72.4	1.8	74.5	9.6	140.4	311.0	72.4	1.8
RB12-12-31	158	17103	2.1	20.5421	12.3	0.0759	13.6	0.0113	5.8	0.43	72.5	4.2	74.3	9.8	132.5	290.8	72.5	4.2
RB12-12-23	171	20873	3.6	17.9223	12.2	0.0870	12.8	0.0113	3.7	0.29	72.5	2.7	84.7	10.4	444.3	272.1	72.5	2.7
RB12-12-2	981	99273	3.5	21.4238	3.6	0.0728	3.8	0.0113	1.2	0.32	72.5	0.9	71.4	2.6	32.7	87.2	72.5	0.9
RB12-12-61	754	87936	4.6	20.9648	4.5	0.0744	4.6	0.0113	0.9	0.19	72.6	0.6	72.9	3.2	84.3	106.2	72.6	0.6
RB12-12-29	785	71032	3.5	21.1443	4.8	0.0738	5.0	0.0113	1.3	0.27	72.6	1.0	72.3	3.5	64.1	113.9	72.6	1.0
RB12-12-65	1187	50804	2.8	20.8735	3.3	0.0748	3.6	0.0113	1.3	0.36	72.6	0.9	73.2	2.5	94.7	79.0	72.6	0.9
RB12-12-86	442	24797	4.4	21.3040	9.1	0.0733	9.4	0.0113	2.2	0.24	72.6	1.6	71.8	6.5	46.2	218.8	72.6	1.6
RB12-12-89	158	14794	3.5	20.2824	25.1	0.0770	25.4	0.0113	3.7	0.14	72.6	2.6	75.4	18.5	162.3	596.3	72.6	2.6
RB12-12-18	209	13778	2.2	19.9633	16.1	0.0784	16.4	0.0113	3.1	0.19	72.7	2.2	76.6	12.1	199.3	376.0	72.7	2.2
RB12-12-25	549	36954	2.6	21.2792	6.2	0.0735	6.3	0.0113	1.4	0.22	72.7	1.0	72.0	4.4	48.9	147.9	72.7	1.0
RB12-12-6	268	13128	3.4	20.5193	11.8	0.0763	12.0	0.0114	2.0	0.17	72.8	1.5	74.7	8.6	135.1	278.2	72.8	1.5
RB12-12-9	942	28906	4.0	20.7414	3.0	0.0756	3.4	0.0114	1.5	0.44	72.9	1.1	74.0	2.4	109.7	71.7	72.9	1.1
RB12-12-110	1206	124398	4.2	21.0505	2.1	0.0746	2.6	0.0114	1.5	0.58	73.0	1.1	73.0	1.8	74.7	50.5	73.0	1.1
RB12-12-48	314	22456	2.8	21.7693	11.6	0.0721	11.8	0.0114	2.1	0.18	73.0	1.5	70.7	8.1	-5.7	280.7	73.0	1.5
RB12-12-84	703	59322	4.7	20.4116	6.4	0.0770	6.5	0.0114	1.3	0.20	73.0	0.9	75.3	4.7	147.4	150.4	73.0	0.9
RB12-12-67	405	31070	6.3	22.5484	5.8	0.0697	6.3	0.0114	2.4	0.38	73.1	1.7	68.4	4.2	-91.2	143.1	73.1	1.7
RB12-12-42	1677	99739	1.9	20.8687	1.8	0.0754	2.3	0.0114	1.4	0.61	73.1	1.0	73.8	1.6	95.2	43.3	73.1	1.0
RB12-12-83	961	59629	5.3	20.7776	5.3	0.0757	5.4	0.0114	1.0	0.19	73.1	0.7	74.1	3.8	105.6	124.6	73.1	0.7
RB12-12-57	639	42397	6.0	20.3909	6.4	0.0772	6.7	0.0114	1.9	0.29	73.1	1.4	75.5	4.8	149.8	149.7	73.1	1.4
RB12-12-95	1207	117484	3.6	20.9777	2.9	0.0752	3.1	0.0114	1.1	0.36	73.4	0.8	73.7	2.2	82.9	69.4	73.4	0.8
RB12-12-92	230	8897	3.7	20.5161	13.2	0.0772	13.5	0.0115	3.0	0.22	73.6	2.2	75.5	9.8	135.5	311.5	73.6	2.2
RB12-12-3	513	129716	2.4	20.4453	6.7	0.0778	6.9	0.0115	1.5	0.22	74.0	1.1	76.1	5.1	143.6	158.0	74.0	1.1
RB12-12-80	404	32612	3.3	21.7140	6.1	0.0733	6.3	0.0115	1.5	0.23	74.0	1.1	71.8	4.4	0.4	147.4	74.0	1.1
RB12-12-43	235	12032	2.1	24.2391	13.5	0.0657	13.7	0.0115	2.1	0.16	74.0	1.6	64.6	8.6	-271.8	345.3	74.0	1.6
RB12-12-99	252	24036	3.5	21.7347	7.4	0.0733	7.8	0.0115	2.4	0.31	74.0	1.8	71.8	5.4	-1.9	179.7	74.0	1.8
RB12-12-78	170	10810	3.0	19.2216	17.7	0.0830	18.0	0.0116	3.3	0.19	74.1	2.5	80.9	14.0	286.5	408.1	74.1	2.5
RB12-12-38	469	48387	3.4	20.8097	6.8	0.0768	7.1	0.0116	2.1	0.29	74.3	1.5	75.1	5.2	102.0	161.2	74.3	1.5
RB12-12-77	831	62828	7.0	21.4059	5.4	0.0747	5.5	0.0116	0.8	0.14	74.3	0.6	73.2	3.9	34.7	129.6	74.3	0.6

RB12-12-14	186	20433	3.9	22.6522	16.1	0.0708	16.6	0.0116	3.8	0.23	74.6	2.8	69.5	11.1	-102.5	398.7	74.6	2.8
RB12-12-32	944	19707	5.4	19.7644	3.7	0.0812	5.0	0.0116	3.4	0.67	74.6	2.5	79.3	3.8	222.5	85.3	74.6	2.5
RB12-12-8	156	19620	2.0	19.9044	21.2	0.0810	21.3	0.0117	2.4	0.11	74.9	1.8	79.1	16.2	206.1	495.6	74.9	1.8
RB12-12-66	343	40213	3.0	20.7727	7.8	0.0778	8.2	0.0117	2.5	0.30	75.1	1.9	76.1	6.0	106.1	184.2	75.1	1.9
RB12-12-34	1305	96154	1.7	21.0738	4.0	0.0767	4.2	0.0117	1.2	0.28	75.1	0.9	75.0	3.0	72.0	95.7	75.1	0.9
RB12-12-16	799	41751	6.1	18.7792	11.7	0.0862	11.9	0.0117	2.2	0.18	75.2	1.6	83.9	9.6	339.5	266.2	75.2	1.6
RB12-12-85	430	12858	2.4	19.3840	12.0	0.0835	12.1	0.0117	1.7	0.14	75.3	1.3	81.5	9.5	267.2	275.9	75.3	1.3
RB12-12-91	104	12419	4.1	23.4729	28.3	0.0690	28.7	0.0117	4.7	0.16	75.3	3.5	67.8	18.8	-190.8	720.3	75.3	3.5
RB12-12-68	150	3058	3.9	18.6759	16.8	0.0872	17.1	0.0118	3.5	0.20	75.7	2.6	84.9	14.0	351.9	381.6	75.7	2.6
RB12-12-101	382	9041	3.4	20.7702	8.2	0.0785	8.9	0.0118	3.4	0.39	75.8	2.6	76.7	6.6	106.4	194.2	75.8	2.6
RB12-12-36	2250	166595	5.5	20.5692	1.5	0.0794	1.6	0.0119	0.7	0.41	76.0	0.5	77.6	1.2	129.4	34.3	76.0	0.5
RB12-12-98	121	8095	6.6	26.3865	27.7	0.0620	28.0	0.0119	4.1	0.15	76.0	3.1	61.1	16.6	-492.3	749.0	76.0	3.1
RB12-12-17	318	16189	2.5	21.9334	3.9	0.0746	4.5	0.0119	2.2	0.49	76.0	1.7	73.1	3.2	-23.9	95.3	76.0	1.7
RB12-12-111	327	27363	1.5	21.8009	10.9	0.0751	11.6	0.0119	3.9	0.33	76.1	2.9	73.5	8.2	-9.2	264.9	76.1	2.9
RB12-12-39	523	60959	4.8	20.4368	4.5	0.0801	4.7	0.0119	1.5	0.33	76.1	1.2	78.3	3.5	144.5	104.4	76.1	1.2
RB12-12-63	317	51076	2.9	20.7975	12.8	0.0790	13.3	0.0119	3.9	0.29	76.4	2.9	77.2	9.9	103.3	302.7	76.4	2.9
RB12-12-58	637	40429	8.5	20.8055	2.1	0.0791	4.9	0.0119	4.4	0.90	76.5	3.4	77.3	3.7	102.4	50.6	76.5	3.4
RB12-12-51	478	16658	3.5	20.7998	7.2	0.0794	7.4	0.0120	1.5	0.21	76.7	1.2	77.5	5.5	103.1	171.1	76.7	1.2
RB12-12-70	340	36613	1.9	21.1576	12.1	0.0781	12.6	0.0120	3.4	0.27	76.8	2.6	76.3	9.2	62.6	289.3	76.8	2.6
RB12-12-45	701	56230	3.6	20.6676	2.8	0.0803	4.1	0.0120	3.1	0.74	77.1	2.4	78.4	3.1	118.1	65.4	77.1	2.4
RB12-12-90	1808	74566	6.8	20.6421	1.5	0.0806	8.0	0.0121	7.8	0.98	77.4	6.0	78.7	6.0	121.1	35.3	77.4	6.0
RB12-12-107	326	27130	2.8	19.2526	5.1	0.0867	5.4	0.0121	1.8	0.34	77.6	1.4	84.4	4.4	282.8	116.6	77.6	1.4
RB12-12-100	585	32528	3.9	21.1865	4.2	0.0789	5.3	0.0121	3.1	0.59	77.7	2.4	77.1	3.9	59.4	101.0	77.7	2.4
RB12-12-55	2276	130368	6.4	21.1133	1.4	0.0793	1.6	0.0121	0.6	0.41	77.8	0.5	77.5	1.2	67.6	34.2	77.8	0.5
RB12-12-37	272	21145	2.3	21.8070	9.9	0.0769	11.0	0.0122	4.6	0.42	77.9	3.6	75.2	7.9	-9.9	240.6	77.9	3.6
RB12-12-64	141	7528	3.8	20.9921	9.8	0.0799	10.1	0.0122	2.6	0.25	78.0	2.0	78.1	7.6	81.3	233.5	78.0	2.0
RB12-12-109	115	1027	2.9	14.6194	23.3	0.1152	24.9	0.0122	8.9	0.36	78.3	6.9	110.7	26.1	880.7	487.5	78.3	6.9
RB12-12-7	110	7504	2.6	22.2731	36.6	0.0758	37.1	0.0122	6.2	0.17	78.5	4.8	74.2	26.5	-61.2	918.7	78.5	4.8
RB12-12-15	132	11343	3.9	23.4917	35.1	0.0721	35.3	0.0123	3.6	0.10	78.7	2.8	70.7	24.1	-192.8	901.1	78.7	2.8
RB12-12-87	301	18194	2.8	21.7266	11.3	0.0780	11.4	0.0123	1.5	0.14	78.8	1.2	76.3	8.4	-1.0	272.1	78.8	1.2
RB12-12-62	578	42726	2.0	21.3394	5.8	0.0797	5.9	0.0123	0.9	0.15	79.0	0.7	77.9	4.4	42.2	139.5	79.0	0.7
RB12-12-46	378	25581	2.6	22.0979	5.9	0.0779	7.2	0.0125	4.1	0.57	80.0	3.2	76.2	5.3	-42.0	143.1	80.0	3.2
RB12-12-10	284	42551	2.9	20.0810	5.8	0.0960	6.9	0.0140	3.7	0.53	89.5	3.3	93.1	6.1	185.6	135.4	89.5	3.3
RB12-12-74	1166	53090	1.3	20.8535	2.5	0.0960	2.8	0.0145	1.2	0.43	92.9	1.1	93.0	2.5	97.0	60.4	92.9	1.1
RB12-12-30	167	19050	2.8	20.7831	7.5	0.1401	7.7	0.0211	1.6	0.21	134.7	2.1	133.1	9.6	105.0	177.7	134.7	2.1
RB12-12-22	462	101637	4.8	19.8139	1.9	0.1555	3.0	0.0223	2.3	0.76	142.5	3.2	146.8	4.1	216.7	45.0	142.5	3.2
RB12-12-79	167	19365	5.6	20.1734	6.7	0.1614	8.1	0.0236	4.5	0.56	150.4	6.7	151.9	11.4	174.9	157.3	150.4	6.7
RB12-12-88	64	11235	1.6	24.4206	19.7	0.1337	20.1	0.0237	4.4	0.22	150.9	6.6	127.4	24.1	-290.8	505.4	150.9	6.6
RB12-12-113	98	33485	1.9	18.5249	5.9	0.4231	6.1	0.0568	1.4	0.23	356.4	4.7	358.3	18.3	370.2	132.9	356.4	4.7
RB12-12-33	460	176839	0.2	18.4462	0.7	0.4876	1.7	0.0652	1.6	0.91	407.4	6.1	403.3	5.7	379.8	16.2	407.4	6.1
RB12-12-103	73	163596	1.1	9.2109	0.5	4.8076	1.6	0.3212	1.5	0.95	1795.4	23.8	1786.2	13.4	1775.5	8.8	1775.5	8.8
RB12-12-81	75	166127	1.6	9.1144	0.5	5.0554	2.5	0.3342	2.4	0.97	1858.6	38.8	1828.6	20.9	1794.7	10.0	1794.7	10.0
RB12-12-106	199	455299	4.8	8.8461	0.3	5.2091	0.9	0.3342	0.9	0.95	1858.7	14.1	1854.1	7.9	1848.9	5.3	1848.9	5.3
RB12-12-104	38	180563	1.1	8.7492	1.6	5.4432	1.9	0.3454	1.0	0.56	1912.6	17.4	1891.7	16.1	1868.8	28.0	1868.8	28.0
RB12-12-114	236	563648	1.7	7.8405	0.6	5.7972	3.5	0.3297	3.4	0.99	1836.7	54.4	1946.0	29.9	2064.4	10.5	2064.4	10.5
RB12-12-47	232	139568	1.9	6.9442	0.2	8.0559	3.4	0.4057	3.3	1.00	2195.4	62.3	2237.3	30.3	2275.9	3.3	2275.9	3.3
RB12-12-75	151	328512	1.4	6.8445	0.2	8.5302	2.5	0.4234	2.5	1.00	2276.1	47.7	2289.1	22.7	2300.8	3.3	2300.8	3.3
RB12-12-108	271	234605	1.7	5.4439	0.5	13.4053	1.1	0.5293	0.9	0.89	2738.4	20.8	2708.6	10.0	2686.5	8.1	2686.5	8.1
RB12-12-35	66	233474	1.3	5.2777	0.4	14.2573	1.2	0.5457	1.1	0.95	2807.4	25.2	2767.0	11.0	2737.6	5.8	2737.6	5.8

Sample 11HW-09, Orca Fm (60.3687, -147.9910)

11-HW-09-1	132	3229	2.9	5.3048	619.7	0.2392	619.7	0.0092	7.5	0.01	59.1	4.4	217.8	#NUM!	2729.2	798.6	59.1	4.4
11-HW-09-10	1323	43439	2.1	20.8917	2.8	0.0866	3.0	0.0131	1.1	0.36	84.0	0.9	84.3	2.4	92.6	66.4	84.0	0.9
11-HW-09-100	591	14600	2.7	20.4228	7.8	0.0814	8.1	0.0121	2.2	0.28	77.2	1.7	79.4	6.2	146.2	182.4	77.2	1.7
11-HW-09-11	1102	42634	4.0	21.1186	4.6	0.0814	5.3	0.0125	2.7	0.51	79.9	2.2	79.4	4.1	67.0	108.3	79.9	2.2
11-HW-09-12	534	34627	3.1	19.3107	2.0	0.2908	3.0	0.0407	2.2	0.75	257.3	5.6	259.2	6.8	275.9	45.3	257.3	5.6
11-HW-09-13	2006	26819	2.6	20.9023	2.8	0.0755	3.0	0.0114	1.2	0.40	73.3	0.9	73.9	2.2	91.4	65.9	73.3	0.9
11-HW-09-14	640	20223	1.8	20.8638	4.3	0.0769	4.4	0.0116	0.8	0.18	74.6	0.6	75.2	3.2	95.8	101.9	74.6	0.6
11-HW-09-15	235	7241	2.1	24.7343	36.2	0.0548	36.4	0.0098	3.8	0.11	63.0	2.4	54.1	19.2	-323.4	955.3	63.0	2.4
11-HW-09-16	276	7671	4.9	21.4514	14.5	0.0781	14.9	0.0121	3.3	0.22	77.8	2.6	76.3	11.0	29.7	349.7	77.8	2.6
11-HW-09-17	829	83207	0.8	20.1451	1.9	0.1866	2.1	0.0273	0.9	0.43	173.4	1.6	173.7	3.4	178.1	44.7	173.4	1.6
11-HW-09-18	966	27727	1.8	21.6518	7.5	0.0551	7.6	0.0087	1.3	0.17	55.5	0.7	54.5	4.0	7.3	180.6	55.5	0.7
11-HW-09-19	2692	767887	1.6	20.8359	2.3	0.0723	3.2	0.0109	2.2	0.69	70.0	1.5	70.9	2.2	99.0	54.9	70.0	1.5
11-HW-09-2	3596	643886	1.0	18.6314	0.3	0.4287	8.2	0.0579	8.2	1.00	363.0	28.8	362.3	24.9	357.3	6.5	363.0	28.8
11-HW-09-20	2035	40661	2.5	21.1846	2.9	0.0707	4.0	0.0109	2.8	0.70	69.6	2.0	69.4	2.7	59.6	68.8	69.6	2.0
11-HW-09-21	1122	37955	2.4	21.3565	6.0	0.0687	6.7	0.0106	3.0	0.45	68.2	2.0	67.5	4.4	40.3	144.4	68.2	2.0
11-HW-09-22	870	116068	0.7	19.9845	1.9	0.1934	2.5	0.0280	1.6	0.66	178.3	2.9	179.6	4.1	196.8	43.3	178.3	2.9
11-HW-09-23	293	16732	1.6	23.3344	4.5	0.0920	5.5	0.0156	3.2	0.58	99.6	3.2	89.3	4.7	-176.0	112.4	99.6	3.2
11-HW-09-24	195	4463	3.3	22.7813	27.1	0.0567	27.4	0.0094	4.0	0.15	60.1	2.4	56.0	14.9	-116.5	679.8	60.1	2.4
11-HW-09-25	96	3843	2.3	23.0039	48.4	0.1006	48.7	0.0168	4.7	0.10	107.3	5.0	97.3	45.2	-140.5	1266.3	107.3	5.0
11-HW-09-26	610	22920	3.3	21.9018	9.8	0.0589	10.1	0.0094	2.7	0.27	60.0	1.6	58.1	5.7	-20.4	236.4	60.0	1.6
11-HW-09-27	402	11481	3.5	18.8643	6.5	0.0750	6.8	0.0103	1.8	0.26	65.8	1.2	73.4	4.8	329.2	148.5	65.8	1.2
11-HW-09-28	713	5825	1.7	22.5767	11.7	0.0532	12.2	0.0087	3.5	0.28	55.9	1.9	52.6	6.3	-94.3	287.6	55.9	1.9
11-HW-09-29	317	1978	2.5	19.8676	17.4	0.0686	18.5	0.0099	6.4	0.34	63.4	4.0	67.3	12.1	210.4	405.2	63.4	4.0
11-HW-09-3	375	6570	2.8	24.4868	23.0	0.0540	23.1	0.0096	2.1	0.09	61.5	1.3	53.4	12.0	-297.7	593.1	61.5	1.3
11-HW-09-30	1182	35074	2.4	20.8291	2.8	0.0696	2.9	0.0105	0.7	0.24	67.4	0.5	68.3	1.9	99.7	65.6	67.4	0.5
11-HW-09-31	608	13837	2.5	20.7664	7.0	0.0673	8.1	0.0101	4.0	0.50	65.0	2.6	66.1	5.2	106.9	165.1	65.0	2.6
11-HW-09-32	614	28314	3.5	22.4483	6.9	0.0692	8.6	0.0113	5.1	0.59	72.3	3.7	68.0	5.6	-80.3	168.6	72.3	3.7
11-HW-09-33	696	19920	1.4	20.2456	6.7	0.0721	7.4	0.0106	3.0	0.41	67.9	2.0	70.7	5.0	166.5	157.3	67.9	2.0
11-HW-09-34	301	13211	4.7	23.0772	18.0	0.0743	18.3	0.0124	3.2	0.18	79.7	2.5	72.8	12.8	-148.4	449.6	79.7	2.5
11-HW-09-35	1602	39522	2.0	21.2763	3.3	0.0680	3.5	0.0105	1.1	0.33	67.3	0.8	66.8	2.2	49.2	77.9	67.3	0.8
11-HW-09-36	574	15315	5.1	21.8979	6.3	0.0614	6.6	0.0098	1.8	0.27	62.6	1.1	60.5	3.9	-19.9	153.3	62.6	1.1
11-HW-09-37	435	23563	1.3	20.2375	4.8	0.2034	5.2	0.0299	2.1	0.41	189.7	4.0	188.0	8.9	167.5	111.0	189.7	4.0
11-HW-09-38	396	7287	4.5	21.4446	14.7	0.0822	14.9	0.0128	2.3	0.15	81.9	1.9	80.2	11.5	30.4	354.5	81.9	1.9
11-HW-09-39	4628	195976	19.2	20.8168	1.2	0.0905	3.3	0.0137	3.1	0.93	87.5	2.7	88.0	2.8	101.1	28.2	87.5	2.7
11-HW-09-4	498	42750	1.2	20.6138	5.2	0.1865	5.3	0.0279	1.1	0.21	177.3	1.9	173.7	8.5	124.2	122.9	177.3	1.9
11-HW-09-40	218	10274	2.2	22.0021	11.5	0.1479	11.7	0.0236	1.7	0.15	150.3	2.5	140.0	15.3	-31.4	280.7	150.3	2.5
11-HW-09-41	537	71752	1.5	20.6212	4.3	0.1953	4.5	0.0292	1.3	0.30	185.6	2.5	181.1	7.5	123.4	101.6	185.6	2.5
11-HW-09-42	423	2058	1.6	20.6594	10.4	0.1010	10.5	0.0151	1.4	0.13	96.9	1.3	97.7	9.8	119.0	245.3	96.9	1.3
11-HW-09-43	674	19810	2.0	20.3760	8.2	0.0772	8.2	0.0114	1.2	0.14	73.1	0.9	75.5	6.0	151.5	191.5	73.1	0.9
11-HW-09-44	900	27124	5.2	20.5288	3.6	0.0693	4.0	0.0103	1.6	0.41	66.1	1.1	68.0	2.6	134.0	85.3	66.1	1.1
11-HW-09-46	513	2068	3.2	21.1159	11.2	0.0776	11.2	0.0119	1.2	0.11	76.2	0.9	75.9	8.2	67.3	266.6	76.2	0.9
11-HW-09-47	153	27802	3.6	18.7804	22.5	0.1164	23.3	0.0159	6.0	0.26	101.4	6.1	111.8	24.7	339.4	515.6	101.4	6.1
11-HW-09-48	659	13806	3.5	20.7286	4.9	0.0823	5.2	0.0124	1.9	0.36	79.2	1.5	80.3	4.0	111.2	114.7	79.2	1.5
11-HW-09-49	635	26628	3.9	21.9394	3.6	0.0762	4.2	0.0121	2.1	0.50	77.7	1.6	74.6	3.0	-24.5	88.1	77.7	1.6
11-HW-09-5	1415	52724	1.9	20.3888	4.1	0.0641	4.3	0.0095	1.3	0.29	60.9	0.8	63.1	2.6	150.0	95.8	60.9	0.8
11-HW-09-50	235	9294	2.6	20.2034	23.1	0.0791	23.9	0.0116	5.9	0.25	74.3	4.4	77.3	17.8	171.4	546.1	74.3	4.4
11-HW-09-51	60	60179	1.0	9.3814	1.8	4.5451	2.0	0.3092	0.9	0.45	1737.0	14.0	1739.3	16.8	1742.0	33.0	1742.0	33.0
11-HW-09-52	453	18730	3.8	19.7300	13.2	0.0693	13.7	0.0099	3.7	0.27	63.6	2.3	68.0	9.0	226.5	307.2	63.6	2.3
11-HW-09-53	511	16357	2.7	21.3802	9.2	0.0690	9.3	0.0107	1.1	0.12	68.6	0.7	67.8	6.1	37.6	220.7	68.6	0.7

Sample 11HW-23, Orca Fm (60.5510, -148.4158)

11HW-23-1	314	5791	2.4	20.9069	12.0	0.0816	12.5	0.0124	3.2	0.26	79.3	2.6	79.6	9.5	90.9	285.9	79.3	2.6
11HW-23-10	307	146187	1.5	8.1399	0.2	6.1675	1.3	0.3641	1.3	0.98	2001.6	22.2	1999.9	11.5	1998.0	4.4	1998.0	4.4
11HW-23-100	425	6405	5.3	19.6617	12.8	0.0739	12.9	0.0105	1.8	0.14	67.6	1.2	72.4	9.0	234.5	296.5	67.6	1.2
11HW-23-11	733	18524	1.8	21.2741	6.9	0.0759	7.1	0.0117	1.9	0.27	75.1	1.4	74.3	5.1	49.5	164.7	75.1	1.4
11HW-23-12	4810	109411	4.9	20.6837	1.3	0.0810	12.7	0.0121	12.7	0.99	77.8	9.8	79.1	9.7	116.3	31.2	77.8	9.8
11HW-23-13	341	10400	2.5	19.7505	11.2	0.0888	11.6	0.0127	3.1	0.26	81.4	2.5	86.3	9.6	224.1	258.6	81.4	2.5
11HW-23-14	216	15302	2.6	6.8976	0.5	7.6044	3.3	0.3804	3.2	0.99	2078.2	57.5	2185.4	29.5	2287.5	9.3	2287.5	9.3
11HW-23-15	149	12718	2.2	20.8562	20.3	0.1092	20.7	0.0165	3.7	0.18	105.6	3.9	105.3	20.7	96.7	485.3	105.6	3.9
11HW-23-16	333	16303	5.0	21.8114	15.7	0.0758	16.6	0.0120	5.2	0.31	76.9	3.9	74.2	11.9	-10.4	382.1	76.9	3.9
11HW-23-17	832	18473	1.8	21.7595	8.5	0.0736	8.6	0.0116	1.4	0.16	74.4	1.0	72.1	6.0	-4.6	204.4	74.4	1.0
11HW-23-18	131	4536	1.8	19.3389	25.1	0.0918	25.5	0.0129	4.6	0.18	82.5	3.8	89.2	21.8	272.6	582.8	82.5	3.8
11HW-23-19	109	2137	5.3	19.0156	34.8	0.0912	35.5	0.0126	6.7	0.19	80.6	5.4	88.7	30.1	311.1	815.7	80.6	5.4
11HW-23-2	104	3235	2.7	22.2755	21.7	0.1664	21.8	0.0269	2.6	0.12	171.0	4.4	156.3	31.6	-61.5	533.6	171.0	4.4
11HW-23-20	225	6439	2.9	21.6292	10.6	0.1076	11.5	0.0169	4.4	0.38	107.9	4.7	103.8	11.3	9.8	256.1	107.9	4.7
11HW-23-21	679	15912	3.3	20.5600	9.1	0.0723	9.3	0.0108	1.9	0.21	69.1	1.3	70.9	6.4	130.4	214.2	69.1	1.3
11HW-23-22	864	34477	1.2	20.6435	3.3	0.1684	3.6	0.0252	1.4	0.38	160.5	2.1	158.0	5.3	120.9	78.6	160.5	2.1
11HW-23-24	450	14790	7.8	21.3453	12.8	0.0727	13.0	0.0113	2.1	0.17	72.2	1.5	71.3	8.9	41.5	306.7	72.2	1.5
11HW-23-25	87	6544	3.6	18.3325	17.6	0.2177	18.1	0.0289	4.2	0.23	183.9	7.5	200.0	32.9	393.7	398.3	183.9	7.5
11HW-23-26	151	6372	6.2	26.1657	38.0	0.0647	38.4	0.0123	5.7	0.15	78.7	4.5	63.7	23.7	-470.0	1035.6	78.7	4.5
11HW-23-27	310	31169	3.5	20.7692	5.1	0.1638	5.3	0.0247	1.3	0.25	157.1	2.1	154.0	7.6	106.5	121.7	157.1	2.1
11HW-23-28	676	9491	4.8	21.3075	5.0	0.0689	5.9	0.0106	3.1	0.53	68.3	2.1	67.7	3.8	45.7	118.9	68.3	2.1
11HW-23-29	404	14608	2.7	20.8555	9.6	0.0812	10.0	0.0123	2.5	0.25	78.7	1.9	79.3	7.6	96.7	228.7	78.7	1.9
11HW-23-3	300	8460	3.6	20.3690	18.7	0.0733	19.8	0.0108	6.3	0.32	69.5	4.4	71.9	13.7	152.3	441.8	69.5	4.4
11HW-23-30	68	1226	2.7	29.7064	100.5	0.0658	101.0	0.0142	9.0	0.09	90.8	8.1	64.7	63.4	-818.3	0.0	90.8	8.1
11HW-23-31	107	2374	5.0	25.2807	49.6	0.0656	50.0	0.0120	6.2	0.12	77.1	4.7	64.6	31.3	-379.9	1363.6	77.1	4.7
11HW-23-32	84	72382	1.7	5.4792	0.4	12.7319	1.0	0.5060	1.0	0.94	2639.3	21.2	2660.0	9.8	2675.8	6.0	2675.8	6.0
11HW-23-33	110	16453	6.3	19.0881	6.2	0.4152	6.5	0.0575	2.1	0.32	360.3	7.3	352.6	19.4	302.4	140.7	360.3	7.3
11HW-23-34	395	2205	3.5	18.7553	15.6	0.0793	16.4	0.0108	4.9	0.30	69.1	3.4	77.4	12.2	342.4	355.0	69.1	3.4
11HW-23-36	554	43702	1.6	20.7591	11.8	0.0792	11.9	0.0119	1.7	0.14	76.4	1.3	77.4	8.9	107.7	280.3	76.4	1.3
11HW-23-37	399	46731	4.7	20.3314	6.6	0.1908	6.7	0.0281	1.3	0.19	178.8	2.3	177.3	10.9	156.7	153.6	178.8	2.3
11HW-23-38	117	4100	1.5	13.6146	28.5	0.1269	29.2	0.0125	6.4	0.22	80.3	5.1	121.3	33.4	1026.4	588.6	80.3	5.1
11HW-23-39	445	10285	1.8	20.7570	10.5	0.0742	10.9	0.0112	2.7	0.25	71.6	1.9	72.6	7.6	107.9	249.7	71.6	1.9
11HW-23-4	477	78982	5.5	18.3918	2.0	0.4406	3.7	0.0588	3.1	0.84	368.1	11.1	370.7	11.5	386.5	45.5	368.1	11.1
11HW-23-40	225	5477	2.6	8.0409	1.1	4.3452	4.5	0.2534	4.4	0.97	1456.0	56.9	1702.0	37.1	2019.7	18.9	2019.7	18.9
11HW-23-41	392	16370	4.7	20.7029	11.4	0.0716	11.6	0.0108	2.5	0.21	68.9	1.7	70.2	7.9	114.1	268.9	68.9	1.7
11HW-23-42	964	13101	9.3	20.6444	5.8	0.0704	6.2	0.0105	2.1	0.35	67.6	1.4	69.1	4.1	120.8	136.4	67.6	1.4
11HW-23-43	2657	87212	5.9	20.7305	1.7	0.0783	4.6	0.0118	4.2	0.93	75.4	3.2	76.5	3.4	110.9	39.2	75.4	3.2
11HW-23-44	440	13046	3.2	22.2330	8.8	0.1049	8.9	0.0169	1.7	0.19	108.1	1.8	101.2	8.6	-56.8	213.6	108.1	1.8
11HW-23-45	51	2615	3.2	45.5510	83.2	0.0796	83.9	0.0263	10.5	0.12	167.3	17.3	77.8	62.9	-2246.0	1055.3	167.3	17.3
11HW-23-46	583	21400	1.7	20.4765	5.9	0.1125	6.1	0.0167	1.7	0.29	106.8	1.9	108.3	6.3	140.0	137.6	106.8	1.9
11HW-23-47	423	7379	6.2	19.6020	9.1	0.0756	9.3	0.0107	1.9	0.21	68.9	1.3	74.0	6.6	241.5	209.7	68.9	1.3
11HW-23-48	1491	75422	5.2	21.1084	4.9	0.0752	5.1	0.0115	1.4	0.28	73.8	1.0	73.6	3.6	68.1	116.5	73.8	1.0
11HW-23-49	747	20906	5.7	22.8201	9.7	0.0637	9.9	0.0105	1.7	0.17	67.6	1.2	62.7	6.0	-120.7	240.9	67.6	1.2
11HW-23-5	212	5522	2.2	19.7608	25.0	0.0817	25.2	0.0117	3.0	0.12	75.0	2.2	79.7	19.3	222.9	586.3	75.0	2.2
11HW-23-50	92	7272	5.5	22.1849	30.4	0.1565	30.6	0.0252	3.4	0.11	160.3	5.3	147.6	42.0	-51.5	754.2	160.3	5.3
11HW-23-51	1099	36405	10.6	20.9277	4.9	0.0787	5.3	0.0120	2.0	0.38	76.6	1.5	77.0	3.9	88.6	115.2	76.6	1.5
11HW-23-52	259	107665	3.4	8.8618	0.4	5.1893	1.9	0.3335	1.9	0.98	1855.4	30.4	1850.9	16.4	1845.7	6.7	1845.7	6.7
11HW-23-53	2782	95543	5.0	20.7651	2.6	0.0787	2.8	0.0119	1.0	0.36	76.0	0.8	76.9	2.1	107.0	62.3	76.0	0.8
11HW-23-54	215	10604	2.8	21.9837	19.6	0.0656	19.7	0.0105	2.2	0.11	67.1	1.5	64.6	12.4	-29.4	479.6	67.1	1.5
11HW-23-55	229	14352	2.8	21.3047	8.8	0.1640	8.9	0.0253	1.5	0.16	161.3	2.3	154.2	12.8	46.1	211.0	161.3	2.3

11HW-23-56	411	8117	3.9	22.6507	10.8	0.0662	11.0	0.0109	2.2	0.20	69.8	1.5	65.1	7.0	-102.4	266.2	69.8	1.5
11HW-23-57	1277	26457	1.9	20.9040	5.1	0.0728	5.3	0.0110	1.4	0.25	70.7	1.0	71.3	3.7	91.2	122.0	70.7	1.0
11HW-23-58	360	28049	1.8	21.1040	6.8	0.1608	7.2	0.0246	2.3	0.33	156.8	3.6	151.4	10.1	68.6	161.4	156.8	3.6
11HW-23-59	225	7315	1.8	22.4912	20.7	0.0726	21.2	0.0118	4.7	0.22	75.9	3.5	71.2	14.6	-85.0	511.7	75.9	3.5
11HW-23-6	589	25530	3.9	21.1264	6.6	0.1096	6.8	0.0168	1.5	0.22	107.4	1.6	105.6	6.8	66.1	157.5	107.4	1.6
11HW-23-60	540	18094	4.4	21.5037	15.1	0.0769	15.2	0.0120	1.8	0.12	76.8	1.4	75.2	11.0	23.8	365.0	76.8	1.4
11HW-23-61	64	133987	1.0	5.5335	0.7	12.3496	1.3	0.4956	1.1	0.83	2595.0	23.2	2631.3	12.4	2659.4	12.3	2659.4	12.3
11HW-23-62	335	34299	1.9	19.6171	6.7	0.1895	6.9	0.0270	1.5	0.22	171.5	2.6	176.2	11.1	239.7	154.3	171.5	2.6
11HW-23-63	344	14824	2.1	20.7070	8.8	0.1057	9.0	0.0159	2.0	0.22	101.5	2.0	102.0	8.7	113.6	207.2	101.5	2.0
11HW-23-64	174	5014	2.2	28.4862	22.6	0.0544	22.9	0.0112	3.7	0.16	72.1	2.6	53.8	12.0	-700.3	632.7	72.1	2.6
11HW-23-65	292	7792	3.9	21.9839	18.4	0.0711	18.9	0.0113	4.3	0.23	72.6	3.1	69.7	12.8	-29.4	450.4	72.6	3.1
11HW-23-66	203	6215	3.1	22.8330	42.6	0.0658	42.7	0.0109	3.6	0.08	69.8	2.5	64.7	26.8	-122.1	1094.1	69.8	2.5
11HW-23-67	990	4354	2.7	20.1738	11.2	0.0776	17.3	0.0114	13.1	0.76	72.8	9.5	75.9	12.6	174.8	263.1	72.8	9.5
11HW-23-68	154	9974	2.7	21.5959	22.0	0.1999	22.2	0.0313	2.8	0.13	198.7	5.5	185.0	37.6	13.5	535.1	198.7	5.5
11HW-23-69	384	94163	7.4	9.3632	0.5	3.5903	3.1	0.2438	3.1	0.99	1406.5	38.9	1547.4	24.8	1745.5	9.0	1745.5	9.0
11HW-23-7	458	74396	2.6	19.6302	5.4	0.2500	5.4	0.0356	0.8	0.15	225.4	1.8	226.5	11.0	238.2	124.0	225.4	1.8
11HW-23-70	329	13536	1.5	21.8212	6.3	0.1392	6.7	0.0220	2.2	0.32	140.4	3.0	132.3	8.3	-11.5	153.0	140.4	3.0
11HW-23-71	88	9675	4.4	20.0408	10.4	0.3780	10.5	0.0549	1.5	0.14	344.8	4.9	325.5	29.2	190.3	241.7	344.8	4.9
11HW-23-72	1060	56042	3.2	20.4177	8.5	0.0718	8.7	0.0106	1.6	0.18	68.2	1.1	70.4	5.9	146.8	200.0	68.2	1.1
11HW-23-73	1351	35227	4.9	21.1355	4.5	0.0753	4.7	0.0115	1.2	0.26	74.0	0.9	73.7	3.3	65.1	107.0	74.0	0.9
11HW-23-74	622	13059	5.7	21.5386	8.6	0.0707	8.9	0.0110	2.4	0.27	70.8	1.7	69.4	6.0	19.9	207.3	70.8	1.7
11HW-23-75	362	23550	2.9	19.7077	3.3	0.1920	3.7	0.0274	1.6	0.44	174.6	2.8	178.4	6.1	229.1	76.8	174.6	2.8
11HW-23-76	203	14278	1.8	22.0548	11.1	0.1675	11.2	0.0268	1.7	0.15	170.4	2.9	157.2	16.4	-37.2	270.5	170.4	2.9
11HW-23-77	302	19017	1.2	21.0057	14.8	0.1711	14.9	0.0261	1.6	0.11	165.9	2.6	160.4	22.1	79.7	353.4	165.9	2.6
11HW-23-78	205	4338	2.3	21.5889	21.3	0.0715	21.5	0.0112	3.4	0.16	71.8	2.4	70.2	14.6	14.3	516.1	71.8	2.4
11HW-23-79	254	4873	2.3	21.1021	20.5	0.0729	20.9	0.0112	4.1	0.20	71.5	2.9	71.5	14.4	68.9	491.3	71.5	2.9
11HW-23-8	574	13138	6.5	20.7193	10.7	0.0762	10.8	0.0115	1.6	0.14	73.4	1.1	74.6	7.7	112.3	252.1	73.4	1.1
11HW-23-80	361	17968	5.9	21.4223	15.3	0.0803	15.5	0.0125	2.4	0.16	79.9	1.9	78.4	11.7	32.9	368.1	79.9	1.9
11HW-23-81	226	6757	1.5	22.4607	19.8	0.0799	20.3	0.0130	4.2	0.21	83.3	3.4	78.0	15.2	-81.7	489.9	83.3	3.4
11HW-23-82	221	5688	2.4	25.3993	45.5	0.0631	45.9	0.0116	5.4	0.12	74.5	4.0	62.1	27.6	-392.0	1241.6	74.5	4.0
11HW-23-83	383	4814	3.9	22.7870	18.2	0.0676	18.3	0.0112	2.3	0.13	71.7	1.6	66.5	11.8	-117.1	451.2	71.7	1.6
11HW-23-84	918	20791	7.6	21.8535	4.6	0.0722	4.9	0.0114	1.5	0.30	73.4	1.1	70.8	3.3	-15.0	112.4	73.4	1.1
11HW-23-85	105	5098	2.1	21.9478	30.7	0.1671	31.1	0.0266	4.7	0.15	169.2	7.8	156.9	45.2	-25.4	760.0	169.2	7.8
11HW-23-86	313	12157	2.3	21.2061	12.1	0.0822	12.2	0.0126	1.8	0.14	81.0	1.4	80.2	9.4	57.1	289.6	81.0	1.4
11HW-23-87	374	6664	6.0	20.1359	9.6	0.0735	10.5	0.0107	4.2	0.40	68.9	2.9	72.1	7.3	179.2	225.3	68.9	2.9
11HW-23-88	237	18221	2.4	21.6790	13.4	0.1662	13.5	0.0261	1.7	0.13	166.3	2.8	156.1	19.5	4.3	323.7	166.3	2.8
11HW-23-89	302	8462	3.0	21.3589	18.2	0.0812	18.3	0.0126	2.3	0.13	80.6	1.9	79.3	14.0	40.0	437.7	80.6	1.9
11HW-23-9	724	6392	3.9	21.5441	10.3	0.0788	10.4	0.0123	1.4	0.13	78.9	1.1	77.1	7.7	19.3	247.0	78.9	1.1
11HW-23-90	134	45767	4.9	19.0421	8.0	0.4399	8.3	0.0608	1.9	0.23	380.2	7.0	370.2	25.6	307.9	183.4	380.2	7.0
11HW-23-91	589	16518	5.4	23.0353	8.5	0.0642	8.6	0.0107	1.7	0.19	68.8	1.1	63.2	5.3	-143.9	209.8	68.8	1.1
11HW-23-92	240	10053	2.9	21.7427	20.0	0.1147	20.1	0.0181	1.9	0.10	115.5	2.2	110.2	21.0	-2.8	485.5	115.5	2.2
11HW-23-93	354	18089	4.8	20.4088	13.5	0.0845	14.7	0.0125	5.8	0.39	80.2	4.6	82.4	11.6	147.8	317.9	80.2	4.6
11HW-23-94	1130	33478	3.6	21.2009	5.9	0.0752	6.1	0.0116	1.4	0.22	74.2	1.0	73.7	4.3	57.7	141.8	74.2	1.0
11HW-23-95	101	2225	2.6	13.1348	98.4	0.1138	98.7	0.0108	8.2	0.08	69.5	5.6	109.4	102.8	1098.6		69.5	5.6
11HW-23-96	469	11417	4.0	24.5934	21.7	0.0632	21.9	0.0113	2.9	0.13	72.2	2.1	62.2	13.2	-308.8	560.0	72.2	2.1
11HW-23-97	370	30457	2.5	20.2453	4.5	0.2137	4.9	0.0314	1.8	0.38	199.1	3.6	196.6	8.7	166.6	105.7	199.1	3.6
11HW-23-98	670	26466	2.7	21.5168	7.9	0.0691	8.2	0.0108	2.0	0.24	69.1	1.4	67.8	5.4	22.4	190.4	69.1	1.4
11HW-23-99	675	14452	6.8	21.5450	4.9	0.0749	5.1	0.0117	1.5	0.29	75.0	1.1	73.4	3.6	19.2	117.2	75.0	1.1
11HW-23PC-1	68	6209	2.6	22.0609	46.9	0.1527	47.2	0.0244	5.5	0.12	155.6	8.4	144.3	63.6	-37.9	1198.6	155.6	8.4
11HW-23PC-100	162	244183	0.7	8.5708	0.5	5.4607	3.4	0.3394	3.3	0.99	1884.0	54.3	1894.4	28.9	1905.9	9.4	1905.9	9.4

11HW-23PC-11	142	133206	1.9	5.9111	0.5	8.3507	4.2	0.3580	4.2	0.99	1972.7	71.6	2269.8	38.4	2549.5	8.0	2549.5	8.0
11HW-23PC-12	192	2498	1.7	19.0285	10.3	0.1740	10.6	0.0240	2.5	0.23	153.0	3.7	162.9	15.9	309.5	234.9	153.0	3.7
11HW-23PC-13	300	47307	1.9	17.7819	1.7	0.5645	2.4	0.0728	1.7	0.72	453.0	7.6	454.4	8.7	461.7	36.6	453.0	7.6
11HW-23PC-14	473	30451	3.1	21.8164	10.5	0.0670	10.7	0.0106	1.7	0.16	67.9	1.2	65.8	6.8	-10.9	255.3	67.9	1.2
11HW-23PC-15	62	131939	2.1	4.6755	0.2	16.3853	1.8	0.5556	1.8	1.00	2848.5	41.7	2899.6	17.4	2935.2	2.8	2935.2	2.8
11HW-23PC-16	108	11682	2.4	19.5386	12.7	0.2079	13.1	0.0295	3.2	0.24	187.1	5.9	191.7	22.9	249.0	293.1	187.1	5.9
11HW-23PC-17	386	53926	1.2	19.0963	3.3	0.2171	3.6	0.0301	1.4	0.40	191.0	2.7	199.5	6.6	301.5	75.9	191.0	2.7
11HW-23PC-18	227	14816	2.3	22.1107	6.2	0.1503	6.4	0.0241	1.7	0.26	153.6	2.5	142.2	8.5	-43.4	150.8	153.6	2.5
11HW-23PC-19	104	18384	2.1	21.1144	23.8	0.1502	24.3	0.0230	4.9	0.20	146.6	7.1	142.1	32.2	67.5	573.2	146.6	7.1
11HW-23PC-2	148	47630	1.9	11.5299	1.1	2.4463	2.5	0.2046	2.3	0.90	1199.8	25.0	1256.3	18.3	1354.5	21.6	1354.5	21.6
11HW-23PC-20	648	25735	3.1	20.7653	6.7	0.0713	6.9	0.0107	1.8	0.26	68.8	1.3	69.9	4.7	107.0	158.0	68.8	1.3
11HW-23PC-21	87	5499	1.8	20.5088	34.4	0.0959	35.7	0.0143	9.5	0.27	91.3	8.6	93.0	31.7	136.3	829.9	91.3	8.6
11HW-23PC-22	68	6772	2.7	21.1130	26.9	0.1702	27.6	0.0261	6.4	0.23	165.9	10.5	159.6	40.8	67.7	649.6	165.9	10.5
11HW-23PC-23	206	10683	2.6	24.2633	34.9	0.0668	35.0	0.0118	3.3	0.09	75.3	2.4	65.7	22.3	-274.3	909.9	75.3	2.4
11HW-23PC-24	397	17451	1.7	21.4897	11.0	0.0692	11.2	0.0108	2.1	0.19	69.2	1.5	68.0	7.4	25.4	265.4	69.2	1.5
11HW-23PC-25	618	47077	2.7	20.8751	5.5	0.0834	5.9	0.0126	2.1	0.36	80.9	1.7	81.4	4.6	94.5	131.5	80.9	1.7
11HW-23PC-26	329	27628	5.7	20.6464	8.7	0.1548	8.8	0.0232	1.4	0.15	147.7	2.0	146.1	12.0	120.6	205.2	147.7	2.0
11HW-23PC-27	104	86405	14.4	10.4933	0.9	3.4253	3.1	0.2607	3.0	0.96	1493.3	39.4	1510.2	24.2	1534.0	16.2	1534.0	16.2
11HW-23PC-28	384	15400	3.9	23.0343	14.0	0.0663	14.2	0.0111	2.3	0.16	71.0	1.6	65.1	9.0	-143.8	349.1	71.0	1.6
11HW-23PC-29	293	79993	6.4	17.8614	2.4	0.5116	5.1	0.0663	4.5	0.88	413.7	18.1	419.5	17.6	451.8	54.1	413.7	18.1
11HW-23PC-3	95	4716	3.5	28.6646	42.1	0.0671	42.6	0.0139	6.4	0.15	89.2	5.7	65.9	27.2	-717.7	1217.9	89.2	5.7
11HW-23PC-30	427	88430	22.9	17.8027	0.9	0.5323	3.0	0.0687	2.9	0.95	428.5	12.0	433.3	10.7	459.1	20.8	428.5	12.0
11HW-23PC-31	406	27347	1.3	9.2228	0.8	4.3030	6.3	0.2878	6.3	0.99	1630.7	90.3	1693.9	52.1	1773.1	14.7	1773.1	14.7
11HW-23PC-32	275	8767	2.1	21.5886	16.3	0.0610	17.4	0.0096	6.0	0.35	61.3	3.7	60.2	10.1	14.3	393.5	61.3	3.7
11HW-23PC-33	73	7693	4.9	21.5987	21.2	0.1630	21.9	0.0255	5.3	0.24	162.6	8.5	153.3	31.2	13.2	515.5	162.6	8.5
11HW-23PC-34	255	20836	3.5	19.2978	14.4	0.1361	14.7	0.0190	3.1	0.21	121.6	3.7	129.6	17.9	277.5	330.6	121.6	3.7
11HW-23PC-36	138	111697	2.7	8.8151	0.6	5.2707	2.5	0.3370	2.4	0.97	1872.1	39.2	1864.1	21.3	1855.3	11.2	1855.3	11.2
11HW-23PC-37	183	10283	2.6	20.3142	8.1	0.1640	8.6	0.0242	3.0	0.34	153.9	4.5	154.2	12.3	158.6	189.3	153.9	4.5
11HW-23PC-38	123	4565	2.6	18.3954	33.5	0.0841	34.8	0.0112	9.5	0.27	71.9	6.8	82.0	27.5	386.0	772.6	71.9	6.8
11HW-23PC-39	94	55709	2.4	13.5688	2.5	1.7345	3.1	0.1707	1.8	0.58	1015.9	16.8	1021.4	19.8	1033.2	50.6	1033.2	50.6
11HW-23PC-4	100	6707	1.6	22.6989	16.2	0.1463	16.9	0.0241	4.9	0.29	153.4	7.5	138.6	21.9	-107.6	399.8	153.4	7.5
11HW-23PC-40	893	32716	2.8	20.6938	3.9	0.0698	5.2	0.0105	3.5	0.68	67.2	2.4	68.5	3.5	115.2	90.9	67.2	2.4
11HW-23PC-41	741	45736	1.4	19.7515	1.5	0.2096	2.3	0.0300	1.7	0.75	190.7	3.2	193.2	4.1	224.0	35.8	190.7	3.2
11HW-23PC-42	251	25804	2.1	20.2060	8.4	0.1821	8.6	0.0267	1.9	0.22	169.7	3.1	169.8	13.5	171.1	196.3	169.7	3.1
11HW-23PC-43	330	14550	2.3	25.1465	7.3	0.0577	7.8	0.0105	2.6	0.33	67.4	1.7	56.9	4.3	-366.0	190.5	67.4	1.7
11HW-23PC-44	212	201910	2.1	8.6723	0.6	5.4673	2.1	0.3439	2.0	0.96	1905.3	33.6	1895.5	18.1	1884.7	10.1	1884.7	10.1
11HW-23PC-45	733	68335	2.1	19.7374	1.5	0.2157	1.9	0.0309	1.1	0.60	196.0	2.2	198.3	3.4	225.7	35.0	196.0	2.2
11HW-23PC-47	209	9318	2.1	19.6333	4.8	0.2266	5.3	0.0323	2.1	0.40	204.7	4.2	207.4	9.9	237.8	111.9	204.7	4.2
11HW-23PC-48	99	140258	1.5	5.6271	0.4	12.2686	1.8	0.5007	1.8	0.98	2616.8	38.8	2625.2	17.3	2631.6	6.0	2631.6	6.0
11HW-23PC-5	119	40478	2.0	15.0098	2.3	1.2678	3.1	0.1380	2.1	0.67	833.5	16.3	831.4	17.8	826.0	48.7	826.0	48.7
11HW-23PC-50	29	34170	5.0	6.7454	1.4	8.7250	2.5	0.4268	2.0	0.83	2291.5	39.3	2309.7	22.4	2325.8	23.5	2325.8	23.5
11HW-23PC-51	169	11501	5.5	20.2961	17.8	0.0759	19.1	0.0112	6.9	0.36	71.6	4.9	74.3	13.7	160.7	419.1	71.6	4.9
11HW-23PC-52	62	65475	3.0	10.5565	1.5	3.4438	2.0	0.2637	1.2	0.62	1508.6	16.5	1514.4	15.5	1522.7	29.0	1522.7	29.0
11HW-23PC-53	107	133719	1.1	5.9685	0.3	11.4280	1.8	0.4947	1.8	0.99	2590.9	37.8	2558.7	16.8	2533.3	4.8	2533.3	4.8
11HW-23PC-54	503	202094	1.8	16.4970	0.8	0.8584	2.1	0.1027	2.0	0.93	630.2	11.9	629.2	10.0	625.6	17.2	630.2	11.9
11HW-23PC-55	1517	39620	4.3	19.9248	3.5	0.0840	4.0	0.0121	2.0	0.50	77.8	1.6	81.9	3.2	203.7	81.0	77.8	1.6
11HW-23PC-56	989	20510	3.1	20.8043	4.4	0.0721	5.2	0.0109	2.7	0.53	69.7	1.9	70.7	3.5	102.6	103.3	69.7	1.9
11HW-23PC-57	75	2790	1.7	28.6582	68.7	0.0569	68.9	0.0118	5.5	0.08	75.7	4.1	56.1	37.7	-717.1	2157.3	75.7	4.1
11HW-23PC-58	131	125377	2.1	9.1467	0.5	4.8851	2.2	0.3241	2.2	0.97	1809.5	34.1	1799.7	18.7	1788.3	9.1	1788.3	9.1
11HW-23PC-59	130	9081	2.7	21.6131	11.8	0.1732	12.1	0.0272	2.5	0.21	172.7	4.3	162.2	18.1	11.6	285.4	172.7	4.3

11HW-23PC-6	96	6418	2.3	26.9068	66.1	0.0615	66.7	0.0120	8.2	0.12	76.9	6.3	60.6	39.2	-544.5	1983.9	76.9	6.3
11HW-23PC-60	133	70161	4.4	12.7633	1.7	1.7930	4.6	0.1660	4.3	0.93	989.9	39.7	1042.9	30.2	1155.7	32.9	1155.7	32.9
11HW-23PC-61	281	709322	2.5	9.1414	0.3	4.7898	1.4	0.3176	1.4	0.97	1777.8	21.5	1783.1	11.9	1789.3	6.0	1789.3	6.0
11HW-23PC-62	100	3445	2.0	24.1738	46.4	0.0607	46.8	0.0106	6.3	0.13	68.3	4.3	59.9	27.2	-264.9	1236.5	68.3	4.3
11HW-23PC-63	558	161028	9.0	18.1571	1.8	0.5152	4.2	0.0678	3.8	0.91	423.1	15.7	421.9	14.6	415.2	39.4	423.1	15.7
11HW-23PC-64	516	118755	2.4	20.6043	2.2	0.1701	3.0	0.0254	2.1	0.69	161.8	3.4	159.5	4.5	125.3	51.2	161.8	3.4
11HW-23PC-65	1089	29732	3.4	21.2319	3.5	0.0758	3.7	0.0117	1.4	0.37	74.8	1.0	74.2	2.7	54.2	83.2	74.8	1.0
11HW-23PC-66	290	11292	2.6	25.9955	19.2	0.0605	19.4	0.0114	3.2	0.16	73.2	2.3	59.7	11.3	-452.8	508.7	73.2	2.3
11HW-23PC-67	424	130015	3.6	16.0247	0.8	0.9896	1.8	0.1150	1.6	0.88	701.8	10.4	698.5	9.0	688.0	18.0	701.8	10.4
11HW-23PC-68	136	5623	1.7	18.0125	17.2	0.0962	18.9	0.0126	7.8	0.41	80.5	6.2	93.3	16.9	433.1	386.4	80.5	6.2
11HW-23PC-69	144	135451	2.4	11.4628	1.2	2.5841	4.7	0.2148	4.5	0.97	1254.5	51.8	1296.2	34.4	1365.8	22.6	1365.8	22.6
11HW-23PC-7	463	30630	0.9	21.5437	9.9	0.0821	10.0	0.0128	1.7	0.17	82.2	1.4	80.2	7.7	19.4	237.9	82.2	1.4
11HW-23PC-70	186	6268	4.8	22.6370	32.3	0.0720	32.6	0.0118	4.1	0.13	75.7	3.1	70.6	22.2	-100.9	812.4	75.7	3.1
11HW-23PC-71	98	11389	1.9	20.7310	20.0	0.0825	21.0	0.0124	6.6	0.31	79.5	5.2	80.5	16.3	110.9	475.1	79.5	5.2
11HW-23PC-72	1008	34842	2.1	21.0111	4.8	0.0753	5.0	0.0115	1.6	0.31	73.5	1.1	73.7	3.6	79.1	113.1	73.5	1.1
11HW-23PC-73	807	36491	2.6	21.3896	4.7	0.0904	6.6	0.0140	4.7	0.70	89.7	4.2	87.8	5.6	36.5	113.0	89.7	4.2
11HW-23PC-74	125	52475	1.6	11.1913	1.1	3.1397	3.5	0.2548	3.3	0.95	1463.4	42.9	1442.5	26.6	1411.8	20.9	1411.8	20.9
11HW-23PC-75	503	51896	1.5	20.4949	3.5	0.1992	3.7	0.0296	1.3	0.35	188.1	2.4	184.5	6.3	137.9	82.4	188.1	2.4
11HW-23PC-76	164	1265	2.2	20.6438	26.9	0.0913	27.5	0.0137	5.7	0.21	87.5	4.9	88.7	23.4	120.8	643.8	87.5	4.9
11HW-23PC-77	264	52092	1.5	18.8720	3.7	0.4427	4.5	0.0606	2.6	0.57	379.2	9.6	372.1	14.1	328.3	84.1	379.2	9.6
11HW-23PC-78	588	22573	3.8	20.5992	6.4	0.0757	6.6	0.0113	1.8	0.27	72.5	1.3	74.1	4.7	125.9	149.9	72.5	1.3
11HW-23PC-79	543	31999	2.8	20.0321	9.8	0.0778	10.1	0.0113	2.2	0.22	72.4	1.6	76.0	7.4	191.3	228.8	72.4	1.6
11HW-23PC-8	45	35055	1.1	13.3794	4.3	1.6146	4.7	0.1567	1.9	0.41	938.3	16.8	975.9	29.3	1061.6	85.7	1061.6	85.7
11HW-23PC-80	155	125924	2.0	9.2073	0.4	4.8500	1.6	0.3239	1.5	0.96	1808.6	23.6	1793.6	13.1	1776.2	7.7	1776.2	7.7
11HW-23PC-81	706	15645	3.1	21.0925	6.0	0.0759	6.4	0.0116	2.2	0.35	74.4	1.6	74.3	4.6	70.0	143.1	74.4	1.6
11HW-23PC-82	512	20323	2.5	22.0875	10.2	0.0654	10.4	0.0105	2.3	0.22	67.2	1.6	64.4	6.5	-40.8	247.1	67.2	1.6
11HW-23PC-83	84	7083	2.2	20.4883	26.2	0.1011	27.4	0.0150	7.8	0.29	96.1	7.5	97.8	25.5	138.7	625.0	96.1	7.5
11HW-23PC-84	57	4514	2.8	20.3171	25.0	0.1735	25.6	0.0256	5.7	0.22	162.8	9.2	162.5	38.5	158.3	593.1	162.8	9.2
11HW-23PC-85	797	48991	2.3	20.8968	3.8	0.0831	4.4	0.0126	2.2	0.51	80.7	1.8	81.1	3.4	92.1	90.3	80.7	1.8
11HW-23PC-86	125	2630	2.3	17.6362	34.5	0.0858	35.1	0.0110	6.7	0.19	70.3	4.7	83.6	28.2	479.9	782.8	70.3	4.7
11HW-23PC-87	500	87470	1.5	19.9796	4.0	0.1991	5.6	0.0289	4.0	0.71	183.3	7.2	184.4	9.5	197.4	92.8	183.3	7.2
11HW-23PC-88	822	557125	2.9	12.7338	0.2	2.0918	0.9	0.1932	0.9	0.96	1138.6	9.0	1146.1	6.2	1160.3	4.8	1160.3	4.8
11HW-23PC-89	512	10921	3.9	21.1994	8.5	0.0684	8.9	0.0105	2.3	0.26	67.4	1.6	67.2	5.8	57.9	203.9	67.4	1.6
11HW-23PC-9	471	15616	3.9	20.5793	9.7	0.0742	10.1	0.0111	2.8	0.28	71.0	2.0	72.7	7.1	128.2	228.2	71.0	2.0
11HW-23PC-90	433	8365	5.4	21.9008	12.1	0.0670	12.6	0.0106	3.5	0.28	68.3	2.4	65.9	8.0	-20.3	293.6	68.3	2.4
11HW-23PC-91	297	10152	4.4	21.8695	9.0	0.0676	9.3	0.0107	2.4	0.26	68.7	1.6	66.4	6.0	-16.8	217.2	68.7	1.6
11HW-23PC-92	188	4087	1.9	20.8216	23.1	0.0701	23.8	0.0106	5.7	0.24	67.8	3.9	68.8	15.9	100.6	553.9	67.8	3.9
11HW-23PC-93	213	7229	4.3	30.5884	48.6	0.0494	48.7	0.0110	3.9	0.08	70.3	2.7	49.0	23.3	-902.4	1482.4	70.3	2.7
11HW-23PC-94	192	98190	2.5	16.6913	1.9	0.7584	3.3	0.0918	2.7	0.82	566.2	14.8	573.1	14.6	600.4	41.7	566.2	14.8
11HW-23PC-95	179	29575	3.5	17.7084	3.5	0.6274	4.0	0.0806	2.1	0.52	499.6	10.1	494.5	15.8	470.9	76.6	499.6	10.1
11HW-23PC-96	171	18455	2.9	20.1767	13.0	0.1616	13.3	0.0236	2.9	0.21	150.6	4.2	152.1	18.8	174.5	304.9	150.6	4.2
11HW-23PC-97	475	13305	2.1	19.6673	3.2	0.2091	3.6	0.0298	1.7	0.47	189.5	3.1	192.8	6.3	233.9	73.0	189.5	3.1
11HW-23PC-98	165	8883	2.5	21.2942	9.4	0.1527	9.8	0.0236	2.7	0.28	150.3	4.0	144.3	13.2	47.2	225.1	150.3	4.0
11HW-23PC-99	442	15647	4.2	21.4066	9.6	0.0666	9.8	0.0103	2.1	0.21	66.3	1.4	65.5	6.2	34.7	229.9	66.3	1.4
Sample 11HW-32, Orca Fm (60.2108, -148.1875)																		
11HW-32-1	1622	2461	5.3	19.4070	6.1	0.0726	6.7	0.0102	2.8	0.42	65.5	1.8	71.2	4.6	264.5	139.7	65.5	1.8
11HW-32-10	468	27600	3.4	20.6559	7.6	0.0797	7.8	0.0119	1.6	0.21	76.6	1.2	77.9	5.8	119.5	179.8	76.6	1.2
11HW-32-100	433	5710	2.8	20.3874	12.6	0.0762	13.8	0.0113	5.5	0.40	72.2	3.9	74.5	9.9	150.2	296.8	72.2	3.9
11HW-32-12	568	15105	4.8	22.6060	18.2	0.0587	18.4	0.0096	2.6	0.14	61.7	1.6	57.9	10.3	-97.5	449.1	61.7	1.6

11HW-32-13	444	9978	9.2	23.2260	11.3	0.0637	11.8	0.0107	3.4	0.29	68.8	2.3	62.7	7.2	-164.4	281.2	68.8	2.3
11HW-32-14	479	12894	1.9	21.2557	9.6	0.0646	9.8	0.0100	2.1	0.21	63.9	1.3	63.5	6.0	51.5	228.4	63.9	1.3
11HW-32-15	775	19780	3.3	21.4962	8.6	0.0669	8.7	0.0104	1.7	0.20	66.9	1.1	65.7	5.6	24.7	206.1	66.9	1.1
11HW-32-16	295	5005	5.6	17.7263	16.5	0.0788	17.0	0.0101	4.0	0.23	65.0	2.6	77.0	12.6	468.7	367.3	65.0	2.6
11HW-32-17	710	18917	4.5	23.0117	8.3	0.0738	8.7	0.0123	2.5	0.29	78.9	2.0	72.3	6.1	-141.4	206.1	78.9	2.0
11HW-32-18	326	8528	2.9	21.3974	19.8	0.0732	20.4	0.0114	4.9	0.24	72.8	3.6	71.7	14.2	35.7	479.1	72.8	3.6
11HW-32-19	316	1427	4.9	19.3626	11.4	0.0875	13.5	0.0123	7.2	0.53	78.8	5.6	85.2	11.0	269.7	261.7	78.8	5.6
11HW-32-2	198	7029	2.3	22.0863	24.0	0.0765	24.4	0.0123	4.2	0.17	78.6	3.3	74.9	17.6	-40.7	590.2	78.6	3.3
11HW-32-20	430	25918	6.4	19.3347	25.8	0.0728	26.3	0.0102	4.8	0.18	65.5	3.1	71.4	18.1	273.1	600.9	65.5	3.1
11HW-32-21	1089	22968	4.5	20.8172	4.9	0.0714	5.0	0.0108	1.2	0.24	69.2	0.8	70.1	3.4	101.1	115.3	69.2	0.8
11HW-32-22	1237	51253	2.8	21.5975	3.4	0.0791	3.6	0.0124	1.2	0.32	79.4	0.9	77.3	2.7	13.4	82.9	79.4	0.9
11HW-32-23	107	2429	2.5	10.6001	101.1	0.1249	101.4	0.0096	8.2	0.08	61.6	5.0	119.5	114.8	1514.9	22.7	61.6	5.0
11HW-32-24	473	15910	4.1	22.8079	11.4	0.0616	12.4	0.0102	4.9	0.39	65.3	3.2	60.7	7.3	-119.4	281.7	65.3	3.2
11HW-32-25	886	10529	2.1	20.7667	9.0	0.0628	9.2	0.0095	2.1	0.23	60.7	1.3	61.8	5.5	106.9	212.3	60.7	1.3
11HW-32-26	122	3389	4.1	25.1416	61.2	0.0689	61.4	0.0126	5.3	0.09	80.4	4.2	67.6	40.2	-365.5	1738.1	80.4	4.2
11HW-32-27	664	15918	2.9	20.1817	8.3	0.0788	8.5	0.0115	1.7	0.20	73.9	1.2	77.0	6.3	173.9	194.8	73.9	1.2
11HW-32-29	1011	19284	2.8	20.0696	7.4	0.0640	7.5	0.0093	1.1	0.15	59.8	0.7	63.0	4.6	186.9	173.2	59.8	0.7
11HW-32-3	1864	119386	7.4	20.7493	2.0	0.0740	2.8	0.0111	2.0	0.71	71.4	1.4	72.5	1.9	108.8	46.2	71.4	1.4
11HW-32-30	513	17027	3.1	22.7162	12.7	0.0646	12.8	0.0106	1.9	0.15	68.3	1.3	63.6	7.9	-109.5	313.1	68.3	1.3
11HW-32-31	210	22332	1.7	19.7132	12.3	0.1985	12.8	0.0284	3.6	0.28	180.4	6.4	183.9	21.6	228.5	284.9	180.4	6.4
11HW-32-32	324	22569	1.4	20.8683	7.5	0.1637	7.7	0.0248	1.7	0.22	157.8	2.6	153.9	11.0	95.3	177.5	157.8	2.6
11HW-32-33	523	12347	2.0	23.1478	9.4	0.0664	9.7	0.0111	2.5	0.26	71.4	1.8	65.2	6.1	-156.0	233.8	71.4	1.8
11HW-32-34	255	27139	2.5	19.0149	4.4	0.3952	5.0	0.0545	2.2	0.45	342.1	7.5	338.1	14.2	311.2	100.6	342.1	7.5
11HW-32-35	172	12992	10.5	20.7653	10.8	0.2178	11.3	0.0328	3.3	0.29	208.0	6.8	200.0	20.5	107.0	255.4	208.0	6.8
11HW-32-36	5335	144051	6.8	21.0699	2.2	0.0991	8.5	0.0151	8.2	0.97	96.9	7.9	96.0	7.8	72.5	51.9	96.9	7.9
11HW-32-37	503	2194	2.5	22.8315	14.9	0.0573	15.0	0.0095	1.9	0.13	60.9	1.2	56.6	8.3	-121.9	369.7	60.9	1.2
11HW-32-38	336	52129	3.3	18.9082	3.1	0.4209	3.4	0.0577	1.3	0.37	361.7	4.4	356.7	10.2	323.9	71.3	361.7	4.4
11HW-32-39	592	13127	2.4	21.2159	13.8	0.0664	14.0	0.0102	2.4	0.17	65.5	1.6	65.3	8.8	56.1	329.9	65.5	1.6
11HW-32-4	312	13765	2.5	22.3060	28.6	0.0589	28.8	0.0095	3.4	0.12	61.1	2.1	58.1	16.3	-64.8	710.9	61.1	2.1
11HW-32-40	347	7334	3.2	23.9744	18.8	0.0558	19.9	0.0097	6.6	0.33	62.2	4.1	55.1	10.7	-243.9	477.6	62.2	4.1
11HW-32-41	430	15101	3.4	20.9300	14.6	0.0755	14.8	0.0115	2.5	0.17	73.5	1.8	73.9	10.5	88.3	347.5	73.5	1.8
11HW-32-42	619	82234	9.3	18.5571	1.9	0.4190	2.7	0.0564	2.0	0.72	353.7	6.7	355.3	8.1	366.3	41.9	353.7	6.7
11HW-32-43	365	5271	2.3	23.4886	21.0	0.0651	21.1	0.0111	2.5	0.12	71.1	1.8	64.0	13.1	-192.5	529.4	71.1	1.8
11HW-32-44	890	23705	4.9	22.1403	10.6	0.0571	10.8	0.0092	2.2	0.21	58.8	1.3	56.4	5.9	-46.6	257.6	58.8	1.3
11HW-32-45	746	21981	3.6	20.5897	7.5	0.0709	7.8	0.0106	2.1	0.27	67.9	1.4	69.5	5.2	127.0	175.6	67.9	1.4
11HW-32-46	968	2409	3.7	21.0138	8.4	0.0720	8.6	0.0110	2.0	0.23	70.4	1.4	70.6	5.9	78.8	199.3	70.4	1.4
11HW-32-47	401	12770	5.5	19.1417	9.7	0.0715	10.3	0.0099	3.6	0.34	63.6	2.2	70.1	7.0	296.0	221.1	63.6	2.2
11HW-32-48	899	18794	4.0	20.3139	6.4	0.0669	6.6	0.0099	1.6	0.24	63.2	1.0	65.8	4.2	158.7	150.9	63.2	1.0
11HW-32-49	385	6620	4.5	25.3765	17.4	0.0581	17.7	0.0107	3.2	0.18	68.5	2.2	57.3	9.8	-389.7	455.0	68.5	2.2
11HW-32-5	1944	50690	10.1	21.0504	2.9	0.0717	5.2	0.0109	4.4	0.84	70.2	3.0	70.3	3.5	74.7	67.9	70.2	3.0
11HW-32-50	230	4017	3.5	23.4411	28.3	0.0558	29.0	0.0095	6.5	0.22	60.8	3.9	55.1	15.6	-187.4	719.7	60.8	3.9
11HW-32-51	612	15133	1.7	22.2255	13.1	0.0578	13.3	0.0093	2.4	0.18	59.8	1.5	57.1	7.4	-56.0	320.0	59.8	1.5
11HW-32-52	550	6878	3.8	20.8460	11.4	0.0699	11.8	0.0106	3.1	0.27	67.8	2.1	68.6	7.8	97.9	269.8	67.8	2.1
11HW-32-53	528	12930	3.0	21.8624	11.9	0.0593	12.5	0.0094	3.8	0.30	60.3	2.3	58.5	7.1	-16.0	287.7	60.3	2.3
11HW-32-54	110	3716	3.4	20.0844	25.8	0.1544	26.4	0.0225	5.4	0.21	143.4	7.7	145.8	35.9	185.2	610.2	143.4	7.7
11HW-32-55	744	11767	1.0	22.3691	9.8	0.0596	10.9	0.0097	4.7	0.43	62.0	2.9	58.7	6.2	-71.7	240.2	62.0	2.9
11HW-32-56	528	23700	1.1	20.7074	7.1	0.1147	7.4	0.0172	1.9	0.26	110.1	2.1	110.2	7.7	113.6	168.2	110.1	2.1
11HW-32-57	1130	9044	2.0	21.1693	3.1	0.1052	3.4	0.0162	1.2	0.35	103.3	1.2	101.6	3.2	61.3	74.8	103.3	1.2
11HW-32-58	601	23469	4.1	22.0185	8.8	0.0715	9.1	0.0114	2.4	0.26	73.2	1.7	70.1	6.2	-33.2	213.4	73.2	1.7
11HW-32-59	1318	1576	3.9	20.0626	8.2	0.0787	9.3	0.0114	4.3	0.46	73.4	3.1	76.9	6.9	187.7	191.4	73.4	3.1

11HW-32-6	275	6924	2.9	20.6809	17.2	0.0635	17.4	0.0095	2.8	0.16	61.1	1.7	62.5	10.6	116.6	408.5	61.1	1.7
11HW-32-60	622	21189	5.0	20.7138	9.8	0.0699	10.0	0.0105	1.8	0.18	67.4	1.2	68.6	6.6	112.9	232.1	67.4	1.2
11HW-32-62	1188	13136	2.5	21.8502	6.5	0.0608	6.6	0.0096	1.5	0.22	61.8	0.9	59.9	3.9	-14.7	156.4	61.8	0.9
11HW-32-63	432	6542	4.1	18.2103	10.4	0.0927	11.1	0.0122	3.7	0.33	78.5	2.8	90.0	9.5	408.7	233.9	78.5	2.8
11HW-32-64	1092	21920	2.5	19.9798	4.3	0.0870	5.6	0.0126	3.5	0.63	80.8	2.8	84.7	4.5	197.3	101.0	80.8	2.8
11HW-32-65	3212	5337	6.6	21.1218	2.3	0.0646	3.6	0.0099	2.7	0.76	63.5	1.7	63.5	2.2	66.6	55.3	63.5	1.7
11HW-32-66	1183	63242	3.4	20.2967	7.1	0.0748	7.2	0.0110	1.3	0.18	70.6	0.9	73.3	5.1	160.7	165.1	70.6	0.9
11HW-32-67	96	4284	2.1	21.9607	42.9	0.1547	43.4	0.0246	6.7	0.15	156.9	10.3	146.0	59.1	-26.9	1084.0	156.9	10.3
11HW-32-68	828	18259	4.7	21.5985	4.6	0.0811	5.4	0.0127	2.7	0.50	81.3	2.2	79.1	4.1	13.2	111.6	81.3	2.2
11HW-32-69	1395	4655	3.0	20.3375	4.0	0.1082	4.2	0.0160	1.1	0.26	102.0	1.1	104.3	4.1	156.0	94.7	102.0	1.1
11HW-32-7	281	8418	2.9	20.0071	11.4	0.0895	11.9	0.0130	3.3	0.28	83.2	2.7	87.0	9.9	194.2	265.8	83.2	2.7
11HW-32-70	2657	26566	2.5	21.1302	1.4	0.0617	2.6	0.0095	2.2	0.84	60.7	1.4	60.8	1.6	65.7	33.8	60.7	1.4
11HW-32-72	1000	12296	2.0	19.4033	4.2	0.1194	4.4	0.0168	1.3	0.30	107.4	1.4	114.5	4.8	264.9	97.5	107.4	1.4
11HW-32-73	206	667	2.8	21.2862	18.1	0.0783	18.9	0.0121	5.5	0.29	77.5	4.2	76.6	14.0	48.2	436.1	77.5	4.2
11HW-32-74	1179	2870	3.0	20.1848	6.0	0.0819	6.4	0.0120	2.3	0.36	76.9	1.8	80.0	4.9	173.6	139.2	76.9	1.8
11HW-32-75	2897	36361	3.7	20.4227	2.7	0.0674	3.5	0.0100	2.2	0.62	64.0	1.4	66.2	2.2	146.2	63.5	64.0	1.4
11HW-32-76	489	9144	3.1	21.7046	10.1	0.0755	10.5	0.0119	2.9	0.28	76.2	2.2	73.9	7.5	1.4	243.6	76.2	2.2
11HW-32-77	1442	3310	3.5	20.3964	3.5	0.0634	4.2	0.0094	2.3	0.54	60.2	1.4	62.4	2.5	149.2	82.3	60.2	1.4
11HW-32-78	1161	40699	11.1	20.8101	3.9	0.0796	4.7	0.0120	2.5	0.54	77.0	1.9	77.8	3.5	101.9	92.5	77.0	1.9
11HW-32-79	374	6762	3.3	19.6442	13.3	0.0718	13.6	0.0102	3.0	0.22	65.6	1.9	70.4	9.3	236.6	308.1	65.6	1.9
11HW-32-8	160	4133	2.9	16.6947	16.9	0.0803	18.4	0.0097	7.3	0.39	62.4	4.5	78.5	13.9	599.9	367.9	62.4	4.5
11HW-32-80	652	10164	4.1	21.7651	12.0	0.0602	12.2	0.0095	2.4	0.19	61.0	1.4	59.4	7.0	-5.2	289.3	61.0	1.4
11HW-32-81	541	18131	2.6	21.7960	10.4	0.0692	11.3	0.0109	4.3	0.38	70.1	3.0	67.9	7.4	-8.7	251.5	70.1	3.0
11HW-32-83	473	8049	4.3	22.3987	10.4	0.0694	11.0	0.0113	3.6	0.33	72.2	2.6	68.1	7.3	-74.9	255.4	72.2	2.6
11HW-32-84	397	1966	2.0	23.2815	14.4	0.0609	15.5	0.0103	5.6	0.36	65.9	3.7	60.0	9.0	-170.3	360.2	65.9	3.7
11HW-32-85	794	17191	2.0	20.9983	3.2	0.1067	3.7	0.0162	1.9	0.50	103.9	1.9	102.9	3.6	80.6	76.3	103.9	1.9
11HW-32-86	377	8153	4.1	22.8894	11.4	0.0813	12.0	0.0135	3.7	0.31	86.4	3.2	79.4	9.2	-128.2	282.5	86.4	3.2
11HW-32-87	329	1367	1.8	18.7855	12.9	0.0716	13.2	0.0098	2.6	0.20	62.6	1.6	70.2	8.9	338.7	293.4	62.6	1.6
11HW-32-88	101	38529	2.4	17.1013	5.6	0.7716	6.8	0.0957	4.0	0.58	589.1	22.5	580.7	30.3	547.6	121.7	589.1	22.5
11HW-32-89	985	15870	4.8	21.1668	5.5	0.0709	5.8	0.0109	2.0	0.34	69.8	1.4	69.5	3.9	61.6	130.2	69.8	1.4
11HW-32-9	185	3538	3.3	19.1526	34.6	0.0693	34.9	0.0096	4.4	0.13	61.8	2.7	68.0	23.0	294.7	812.8	61.8	2.7
11HW-32-90	1745	2126	5.9	20.6310	3.8	0.0684	5.4	0.0102	3.9	0.72	65.7	2.6	67.2	3.5	122.3	88.7	65.7	2.6
11HW-32-91	1253	69131	4.6	21.5368	4.8	0.0641	5.4	0.0100	2.5	0.46	64.2	1.6	63.1	3.3	20.1	115.4	64.2	1.6
11HW-32-92	1306	4479	2.8	20.1235	7.4	0.0721	7.7	0.0105	2.4	0.30	67.5	1.6	70.7	5.3	180.6	171.9	67.5	1.6
11HW-32-93	609	20279	3.4	21.7174	6.1	0.0716	6.5	0.0113	2.2	0.34	72.3	1.6	70.3	4.4	0.0	148.3	72.3	1.6
11HW-32-94	516	1518	2.4	18.7055	17.9	0.0739	18.0	0.0100	2.1	0.12	64.3	1.4	72.4	12.6	348.4	407.4	64.3	1.4
11HW-32-95	194	1705	3.1	20.8424	20.0	0.0653	21.1	0.0099	6.5	0.31	63.3	4.1	64.2	13.1	98.2	478.5	63.3	4.1
11HW-32-96	540	13470	3.5	19.6397	7.0	0.0928	7.2	0.0132	1.7	0.24	84.7	1.4	90.1	6.2	237.1	160.5	84.7	1.4
11HW-32-97	443	31102	8.2	22.0171	11.0	0.0877	11.3	0.0140	2.6	0.23	89.6	2.3	85.3	9.3	-33.1	267.8	89.6	2.3
11HW-32-98	188	5340	1.8	29.7308	41.6	0.0662	41.8	0.0143	4.6	0.11	91.3	4.1	65.1	26.4	-820.6	1227.9	91.3	4.1
11HW-32-99	301	955	3.4	19.5892	20.1	0.0824	20.2	0.0117	2.4	0.12	75.0	1.8	80.4	15.6	243.0	466.7	75.0	1.8
Sample 11HW-33, Orca Fm (60.2240, -148.1514)																		
11HW-33-1	372	10158	2.8	22.2226	12.5	0.0689	12.7	0.0111	2.3	0.18	71.2	1.6	67.6	8.3	-55.7	305.1	71.2	1.6
11HW-33-10	277	7912	1.7	21.5661	16.2	0.1062	16.6	0.0166	3.5	0.21	106.2	3.6	102.5	16.1	16.8	391.3	106.2	3.6
11HW-33-100	297	9583	2.9	22.3084	18.4	0.0567	18.6	0.0092	2.3	0.12	58.8	1.4	56.0	10.1	-65.1	453.1	58.8	1.4
11HW-33-11	188	11207	1.2	20.2200	6.6	0.1825	7.1	0.0268	2.6	0.36	170.3	4.3	170.2	11.1	169.5	153.6	170.3	4.3
11HW-33-12	183	3161	5.2	23.7048	56.6	0.0506	57.4	0.0087	9.5	0.17	55.8	5.3	50.1	28.1	-215.4	1537.4	55.8	5.3
11HW-33-13	419	12401	7.1	21.3596	13.3	0.0664	13.5	0.0103	2.5	0.18	66.0	1.6	65.3	8.6	39.9	319.6	66.0	1.6
11HW-33-14	253	11615	5.1	20.6810	29.0	0.0742	29.2	0.0111	3.4	0.12	71.4	2.4	72.7	20.5	116.6	697.5	71.4	2.4

11HW-33-15	258	7707	2.1	20.9561	28.6	0.0604	28.8	0.0092	3.9	0.14	58.9	2.3	59.5	16.7	85.4	690.1	58.9	2.3
11HW-33-16	283	17958	1.9	22.6654	12.7	0.0993	13.1	0.0163	3.1	0.24	104.4	3.2	96.1	12.0	-104.0	313.8	104.4	3.2
11HW-33-17	173	2999	3.3	24.8368	36.7	0.0508	37.3	0.0091	6.3	0.17	58.7	3.7	50.3	18.3	-334.0	973.3	58.7	3.7
11HW-33-18	591	18000	1.7	20.9704	15.6	0.0615	15.8	0.0094	1.8	0.12	60.1	1.1	60.6	9.3	83.7	373.1	60.1	1.1
11HW-33-19	738	52540	11.2	20.8080	6.1	0.1299	6.3	0.0196	1.2	0.20	125.1	1.5	124.0	7.3	102.1	145.3	125.1	1.5
11HW-33-2	1155	40966	1.6	21.0364	3.7	0.0662	4.0	0.0101	1.4	0.36	64.8	0.9	65.1	2.5	76.2	88.4	64.8	0.9
11HW-33-20	364	20070	2.2	21.8338	8.2	0.0933	8.6	0.0148	2.5	0.29	94.5	2.3	90.6	7.4	-12.8	198.9	94.5	2.3
11HW-33-21	3913	520920	3.2	20.0871	0.6	0.1961	1.2	0.0286	1.0	0.85	181.6	1.8	181.8	2.0	184.9	14.6	181.6	1.8
11HW-33-22	78	3586	1.8	14.9053	30.1	0.1331	32.3	0.0144	11.5	0.36	92.1	10.5	126.9	38.5	840.6	641.3	92.1	10.5
11HW-33-23	750	37064	1.7	21.6761	4.3	0.0962	4.6	0.0151	1.7	0.38	96.7	1.7	93.2	4.1	4.6	102.5	96.7	1.7
11HW-33-24	478	11207	2.4	20.3032	10.0	0.0663	10.8	0.0098	4.0	0.37	62.6	2.5	65.2	6.8	159.9	234.9	62.6	2.5
11HW-33-26	429	9169	4.3	23.5677	28.0	0.0532	28.3	0.0091	4.0	0.14	58.4	2.3	52.6	14.5	-200.9	714.0	58.4	2.3
11HW-33-27	329	10475	3.2	25.5722	45.5	0.0506	45.8	0.0094	5.2	0.11	60.2	3.1	50.1	22.4	-409.7	1244.2	60.2	3.1
11HW-33-28	100	2890	3.5	37.2900	44.1	0.0397	44.8	0.0107	8.1	0.18	68.8	5.5	39.5	17.4	-1517.9	1531.9	68.8	5.5
11HW-33-29	431	26319	2.8	22.2062	12.8	0.0764	13.1	0.0123	3.0	0.23	78.8	2.4	74.7	9.4	-53.9	312.0	78.8	2.4
11HW-33-3	200	2414	2.3	22.3450	29.5	0.0571	29.8	0.0093	4.4	0.15	59.4	2.6	56.4	16.4	-69.1	734.3	59.4	2.6
11HW-33-30	401	11536	3.0	21.0630	16.8	0.0617	16.8	0.0094	1.5	0.09	60.5	0.9	60.8	9.9	73.2	400.8	60.5	0.9
11HW-33-31	356	4950	3.0	22.0037	19.6	0.0552	19.9	0.0088	3.1	0.16	56.5	1.8	54.5	10.5	-31.6	479.4	56.5	1.8
11HW-33-32	389	7183	5.9	21.6179	19.5	0.0625	19.7	0.0098	2.7	0.14	62.9	1.7	61.6	11.8	11.1	473.0	62.9	1.7
11HW-33-33	46	1134	3.4	10.4888	141.8	0.1650	142.6	0.0126	15.4	0.11	80.4	12.3	155.1	208.0	1534.8	194.1	80.4	12.3
11HW-33-34	291	13835	1.5	19.8381	5.4	0.1149	5.6	0.0165	1.5	0.27	105.7	1.6	110.4	5.8	213.9	124.1	105.7	1.6
11HW-33-35	736	40064	2.5	21.2993	4.0	0.0988	4.1	0.0153	0.9	0.22	97.6	0.9	95.6	3.8	46.7	96.0	97.6	0.9
11HW-33-36	262	4541	2.6	27.9808	14.2	0.0441	14.5	0.0089	2.9	0.20	57.4	1.6	43.8	6.2	-650.9	392.0	57.4	1.6
11HW-33-37	207	4929	2.9	19.5113	23.0	0.0879	23.4	0.0124	4.5	0.19	79.7	3.6	85.5	19.2	252.2	535.4	79.7	3.6
11HW-33-38	233	8549	4.3	20.7963	23.1	0.0726	23.9	0.0109	5.9	0.25	70.2	4.1	71.1	16.4	103.5	553.4	70.2	4.1
11HW-33-39	520	33229	3.5	22.2527	12.1	0.0739	12.2	0.0119	1.3	0.11	76.4	1.0	72.4	8.5	-59.0	296.9	76.4	1.0
11HW-33-4	257	3367	4.3	19.1342	21.6	0.0716	21.9	0.0099	3.7	0.17	63.7	2.3	70.2	14.8	296.9	497.2	63.7	2.3
11HW-33-40	2020	31471	2.6	20.7534	2.0	0.0765	2.3	0.0115	1.2	0.51	73.8	0.9	74.9	1.7	108.4	47.2	73.8	0.9
11HW-33-41	321	5891	3.5	23.8285	22.4	0.0542	22.8	0.0094	4.3	0.19	60.1	2.6	53.6	11.9	-228.5	569.6	60.1	2.6
11HW-33-42	439	6251	2.6	24.1388	9.3	0.0566	9.8	0.0099	3.1	0.31	63.6	2.0	55.9	5.3	-261.2	236.9	63.6	2.0
11HW-33-43	248	5882	3.7	29.2748	35.0	0.0467	35.3	0.0099	4.9	0.14	63.7	3.1	46.4	16.0	-776.8	1012.6	63.7	3.1
11HW-33-44	2032	39124	2.6	20.8580	2.4	0.0586	3.4	0.0089	2.4	0.72	56.9	1.4	57.9	1.9	96.5	55.8	56.9	1.4
11HW-33-45	175	7230	3.1	17.7644	30.7	0.0744	31.1	0.0096	4.9	0.16	61.5	3.0	72.9	21.9	463.9	696.0	61.5	3.0
11HW-33-46	148	7697	2.0	23.4700	30.8	0.0618	31.2	0.0105	5.0	0.16	67.5	3.3	60.9	18.5	-190.5	786.6	67.5	3.3
11HW-33-47	164	3217	4.9	21.0893	36.5	0.0736	37.7	0.0113	9.3	0.25	72.2	6.7	72.1	26.2	70.3	894.8	72.2	6.7
11HW-33-48	301	8988	2.5	23.1635	28.4	0.0610	29.2	0.0102	6.5	0.22	65.7	4.2	60.1	17.0	-157.7	718.7	65.7	4.2
11HW-33-49	184	3769	5.1	20.4285	22.6	0.0717	22.9	0.0106	3.9	0.17	68.2	2.7	70.4	15.6	145.5	535.8	68.2	2.7
11HW-33-5	669	51495	5.4	19.5614	3.6	0.1426	5.7	0.0202	4.4	0.77	129.2	5.6	135.4	7.2	246.3	83.4	129.2	5.6
11HW-33-50	1833	234363	1.1	18.6738	0.4	0.4310	1.0	0.0584	0.9	0.90	365.7	3.2	363.9	3.0	352.2	9.6	365.7	3.2
11HW-33-51	542	4644	1.9	24.5636	9.9	0.0521	10.3	0.0093	2.7	0.26	59.6	1.6	51.6	5.2	-305.7	254.5	59.6	1.6
11HW-33-52	138	3571	2.8	10.8136	217.1	0.1279	217.4	0.0100	10.9	0.05	64.3	7.0	122.2	255.5	1477.2	623.4	64.3	7.0
11HW-33-53	353	8884	2.5	21.7054	8.7	0.0593	9.1	0.0093	2.6	0.29	59.9	1.6	58.5	5.1	1.4	209.5	59.9	1.6
11HW-33-54	1737	102890	14.0	21.6472	3.4	0.0656	3.5	0.0103	1.0	0.30	66.0	0.7	64.5	2.2	7.8	81.3	66.0	0.7
11HW-33-55	297	8126	3.3	23.5873	24.7	0.0542	24.8	0.0093	2.8	0.11	59.5	1.7	53.6	13.0	-202.9	626.5	59.5	1.7
11HW-33-56	815	17288	9.0	21.9150	9.2	0.0618	9.2	0.0098	0.9	0.09	63.0	0.5	60.9	5.5	-21.8	223.2	63.0	0.5
11HW-33-57	184	9993	3.8	20.5388	105.2	0.0607	105.6	0.0090	8.0	0.08	58.0	4.6	59.8	61.4	132.9	974.4	58.0	4.6
11HW-33-58	427	3504	2.0	19.7670	12.0	0.1217	12.5	0.0174	3.5	0.28	111.5	3.9	116.6	13.8	222.2	278.2	111.5	3.9
11HW-33-59	282	4978	4.2	17.1841	28.6	0.0712	29.6	0.0089	7.6	0.26	57.0	4.3	69.9	20.0	537.0	637.1	57.0	4.3
11HW-33-6	207	3830	2.6	23.8605	26.5	0.0564	26.9	0.0098	4.7	0.17	62.6	2.9	55.7	14.6	-231.9	677.1	62.6	2.9
11HW-33-60	447	10366	2.8	22.5318	15.1	0.0551	15.3	0.0090	2.0	0.13	57.8	1.2	54.5	8.1	-89.4	372.5	57.8	1.2

11HW-33-61	82	2414	3.8	14.8613	56.1	0.0881	57.2	0.0095	11.0	0.19	61.0	6.7	85.8	47.1	846.7	1272.9	61.0	6.7
11HW-33-62	1197	38589	1.8	20.6548	4.9	0.0611	5.2	0.0091	1.8	0.34	58.7	1.1	60.2	3.1	119.6	115.7	58.7	1.1
11HW-33-63	482	16517	8.6	23.2181	13.9	0.0656	14.0	0.0110	1.6	0.12	70.8	1.1	64.5	8.8	-163.6	347.4	70.8	1.1
11HW-33-64	525	12063	2.8	21.4049	7.0	0.0771	7.4	0.0120	2.4	0.33	76.7	1.9	75.4	5.4	34.9	166.9	76.7	1.9
11HW-33-65	463	16229	3.7	20.3945	10.8	0.0768	11.0	0.0114	2.4	0.22	72.8	1.8	75.1	8.0	149.4	253.1	72.8	1.8
11HW-33-66	243	5509	4.3	24.9774	39.8	0.0604	40.0	0.0109	3.8	0.09	70.2	2.6	59.6	23.1	-348.6	1063.0	70.2	2.6
11HW-33-67	409	15872	1.5	24.4704	17.0	0.0639	17.4	0.0113	3.5	0.20	72.7	2.5	62.9	10.6	-296.0	436.6	72.7	2.5
11HW-33-68	1037	41387	3.6	20.6474	5.3	0.0851	5.5	0.0127	1.2	0.22	81.6	1.0	82.9	4.4	120.4	126.0	81.6	1.0
11HW-33-69	581	13490	3.4	22.7098	8.5	0.0758	8.6	0.0125	1.3	0.15	80.0	1.1	74.2	6.2	-108.8	210.1	80.0	1.1
11HW-33-7	749	89694	2.0	19.7968	3.5	0.1941	3.7	0.0279	1.2	0.33	177.2	2.1	180.1	6.1	218.7	80.3	177.2	2.1
11HW-33-71	1578	255225	2.9	20.9644	3.0	0.0719	3.5	0.0109	1.8	0.52	70.1	1.3	70.5	2.4	84.4	70.9	70.1	1.3
11HW-33-72	1457	52837	7.1	19.3544	2.0	0.1487	5.8	0.0209	5.4	0.94	133.2	7.2	140.8	7.6	270.7	45.8	133.2	7.2
11HW-33-73	714	3878	2.5	20.8799	8.2	0.0622	8.6	0.0094	2.4	0.28	60.5	1.5	61.3	5.1	94.0	194.9	60.5	1.5
11HW-33-74	585	19752	4.9	21.2641	7.0	0.0956	7.3	0.0147	2.4	0.32	94.3	2.2	92.7	6.5	50.7	166.3	94.3	2.2
11HW-33-75	435	15368	2.9	22.5473	10.1	0.0691	10.2	0.0113	1.8	0.18	72.4	1.3	67.8	6.7	-91.1	247.6	72.4	1.3
11HW-33-76	1901	79601	4.2	20.9031	2.0	0.0797	2.6	0.0121	1.6	0.61	77.4	1.2	77.8	1.9	91.4	48.5	77.4	1.2
11HW-33-77	254	16325	1.9	19.8260	8.1	0.2090	8.5	0.0301	2.4	0.28	190.9	4.5	192.7	14.9	215.3	188.5	190.9	4.5
11HW-33-78	410	18892	2.2	21.6220	14.8	0.0611	15.1	0.0096	2.7	0.18	61.5	1.6	60.3	8.8	10.7	358.5	61.5	1.6
11HW-33-79	341	31445	1.8	18.1509	2.7	0.4151	3.2	0.0546	1.7	0.54	343.0	5.8	352.5	9.6	416.0	60.7	343.0	5.8
11HW-33-8	1084	28763	7.8	21.4833	6.8	0.0651	6.9	0.0101	1.2	0.17	65.1	0.8	64.0	4.3	26.1	162.3	65.1	0.8
11HW-33-80	264	5443	3.4	26.0100	25.4	0.0568	25.6	0.0107	3.3	0.13	68.7	2.3	56.1	14.0	-454.3	679.5	68.7	2.3
11HW-33-81	809	10278	2.3	21.1377	9.1	0.0813	9.7	0.0125	3.4	0.35	79.9	2.7	79.4	7.4	64.9	217.4	79.9	2.7
11HW-33-82	1447	24095	2.5	20.3504	5.6	0.0679	5.8	0.0100	1.6	0.27	64.3	1.0	66.7	3.8	154.4	131.6	64.3	1.0
11HW-33-83	728	77706	2.0	18.4968	0.9	0.4286	1.5	0.0575	1.2	0.81	360.4	4.3	362.2	4.7	373.7	20.4	360.4	4.3
11HW-33-84	4095	122481	34.8	20.7058	1.1	0.0703	1.6	0.0106	1.1	0.71	67.7	0.7	69.0	1.0	113.8	25.8	67.7	0.7
11HW-33-85	883	13187	2.3	21.4797	6.9	0.0582	7.1	0.0091	1.2	0.17	58.1	0.7	57.4	3.9	26.5	166.8	58.1	0.7
11HW-33-86	616	34966	2.9	23.0978	19.2	0.0560	19.4	0.0094	3.3	0.17	60.2	2.0	55.4	10.5	-150.6	478.9	60.2	2.0
11HW-33-87	160	4681	1.3	20.7554	18.3	0.1037	19.9	0.0156	7.6	0.38	99.8	7.5	100.1	18.9	108.1	436.2	99.8	7.5
11HW-33-88	249	4257	2.3	21.6177	25.1	0.0604	25.7	0.0095	5.3	0.21	60.8	3.2	59.6	14.9	11.1	612.4	60.8	3.2
11HW-33-89	237	5667	1.6	19.1678	24.5	0.0820	24.9	0.0114	4.9	0.20	73.1	3.6	80.0	19.2	292.9	566.1	73.1	3.6
11HW-33-9	390	3886	2.3	21.1805	19.1	0.0598	19.3	0.0092	3.0	0.15	58.9	1.8	59.0	11.1	60.0	457.9	58.9	1.8
11HW-33-90	143	2288	2.6	20.8392	35.4	0.0660	36.1	0.0100	6.8	0.19	64.0	4.3	64.9	22.7	98.6	862.2	64.0	4.3
11HW-33-91	132	15348	2.3	27.0658	23.0	0.0878	23.5	0.0172	4.8	0.20	110.2	5.2	85.4	19.2	-560.4	626.4	110.2	5.2
11HW-33-92	181	3651	3.7	25.4573	50.0	0.0625	50.3	0.0115	5.2	0.10	73.9	3.8	61.5	30.0	-398.0	1380.4	73.9	3.8
11HW-33-93	208	9652	2.5	20.7144	12.4	0.2110	12.6	0.0317	2.2	0.17	201.2	4.3	194.4	22.3	112.8	294.1	201.2	4.3
11HW-33-94	801	10566	1.9	20.1025	10.1	0.0633	10.3	0.0092	1.5	0.15	59.2	0.9	62.3	6.2	183.1	236.9	59.2	0.9
11HW-33-96	494	31276	3.8	23.6489	11.5	0.0673	11.6	0.0115	1.9	0.16	74.0	1.4	66.2	7.4	-209.5	288.6	74.0	1.4
11HW-33-97	1090	23891	2.8	21.0397	5.7	0.0668	5.8	0.0102	0.9	0.16	65.3	0.6	65.6	3.7	75.9	135.5	65.3	0.6
11HW-33-98	256	18207	2.6	20.0205	8.1	0.2041	8.3	0.0296	1.9	0.23	188.3	3.6	188.6	14.4	192.6	189.0	188.3	3.6
11HW-33-99	555	19145	4.3	21.0421	13.8	0.0659	14.0	0.0101	2.4	0.17	64.5	1.5	64.8	8.8	75.6	328.6	64.5	1.5
Sample JG10-30, Orca Fm (60.4620, -148.0091)																		
JG10-30-1	1020	15520	1.4	20.8284	20.6	0.0764	20.9	0.0115	3.6	0.17	74.0	2.7	74.7	15.1	99.9	491.8	74.0	2.7
JG10-30-10	852	20562	4.6	25.5292	28.7	0.0539	29.7	0.0100	7.4	0.25	64.0	4.7	53.3	15.4	-405.3	763.5	64.0	4.7
JG10-30-100	55	52930	1.2	5.7603	2.3	11.9132	3.5	0.4977	2.6	0.75	2603.9	56.6	2597.6	32.9	2592.7	38.7	2592.7	38.7
JG10-30-11	878	36103	3.5	19.9620	5.4	0.2056	5.6	0.0298	1.4	0.25	189.1	2.6	189.8	9.7	199.4	126.2	189.1	2.6
JG10-30-12	266	4973	1.1	13.6542	188.7	0.1420	189.4	0.0141	16.7	0.09	90.0	14.9	134.8	243.7	1020.5	853.5	90.0	14.9
JG10-30-13	145	22901	1.5	21.1411	32.2	0.3752	33.3	0.0575	8.3	0.25	360.5	29.3	323.5	92.5	64.4	785.7	360.5	29.3
JG10-30-15	120	140314	1.4	5.8948	1.7	10.1682	3.6	0.4347	3.1	0.88	2327.0	61.3	2450.2	33.1	2554.1	29.1	2554.1	29.1
JG10-30-16	987	20934	2.1	21.2000	21.1	0.0658	21.8	0.0101	5.7	0.26	64.8	3.7	64.7	13.7	57.8	506.7	64.8	3.7

JG10-30-17	138	5031	2.4	18.6393	37.4	0.2354	40.0	0.0318	14.1	0.35	201.9	28.0	214.6	77.4	356.4	872.4	201.9	28.0
JG10-30-18	731	1371	1.9	20.4817	38.8	0.0690	40.0	0.0102	9.9	0.25	65.7	6.5	67.7	26.2	139.4	941.8	65.7	6.5
JG10-30-19	929	6378	3.6	23.3376	38.2	0.0649	38.9	0.0110	7.4	0.19	70.4	5.2	63.8	24.1	-176.3	982.6	70.4	5.2
JG10-30-20	1025	34057	5.8	18.4437	21.8	0.0942	22.4	0.0126	5.3	0.24	80.7	4.3	91.4	19.6	380.1	495.0	80.7	4.3
JG10-30-21	693	13309	5.4	5.3916	459.4	0.2473	459.5	0.0097	12.4	0.03	62.0	7.7	224.4	1558.3	2702.4	430.8	62.0	7.7
JG10-30-22	4337	347035	4.4	20.8570	4.3	0.1489	8.6	0.0225	7.5	0.87	143.6	10.6	141.0	11.4	96.6	101.3	143.6	10.6
JG10-30-24	1865	5011	2.9	20.0786	23.9	0.0655	24.3	0.0095	4.5	0.18	61.2	2.7	64.5	15.2	185.8	562.7	61.2	2.7
JG10-30-25	577	16071	2.5	17.3166	37.3	0.0728	39.3	0.0091	12.2	0.31	58.7	7.2	71.4	27.1	520.2	846.9	58.7	7.2
JG10-30-26	810	12813	4.6	22.9240	23.9	0.0714	24.7	0.0119	6.1	0.25	76.1	4.6	70.0	16.7	-131.9	598.1	76.1	4.6
JG10-30-27	706	26200	3.9	24.1209	60.4	0.0547	61.8	0.0096	13.1	0.21	61.4	8.0	54.1	32.6	-259.3	1677.0	61.4	8.0
JG10-30-30	64	12495	2.7	17.9595	102.5	0.5468	104.0	0.0712	17.7	0.17	443.5	75.7	442.9	391.7	439.6	717.5	443.5	75.7
JG10-30-31	322	13058	1.6	17.1104	51.3	0.1474	52.5	0.0183	11.2	0.21	116.8	12.9	139.6	68.6	546.4	1198.7	116.8	12.9
JG10-30-33	742	9686	3.7	25.5088	61.8	0.0517	63.1	0.0096	12.9	0.20	61.4	7.9	51.2	31.6	-403.2	1771.9	61.4	7.9
JG10-30-35	971	3812	2.9	18.4529	16.8	0.0926	17.7	0.0124	5.7	0.32	79.4	4.5	89.9	15.2	379.0	379.1	79.4	4.5
JG10-30-38	517	8243	4.1	17.7287	31.6	0.0709	33.6	0.0091	11.5	0.34	58.5	6.7	69.5	22.6	468.4	716.3	58.5	6.7
JG10-30-39	637	8485	1.7	9.4801	197.5	0.1440	198.4	0.0099	18.6	0.09	63.5	11.8	136.6	259.1	1722.7	336.6	63.5	11.8
JG10-30-4	531	10804	17.2	16.6630	37.7	0.0868	39.8	0.0105	12.9	0.32	67.2	8.6	84.5	32.3	604.0	844.1	67.2	8.6
JG10-30-40	395	11392	6.8	3.7440	1042.1	0.4673	1042.2	0.0127	13.7	0.01	81.3	11.1	389.3	#NUM!	3289.1	1000.8	81.3	11.1
JG10-30-42	500	8765	3.0	8.6056	121.6	0.1500	122.8	0.0094	17.3	0.14	60.1	10.4	141.9	164.1	1898.6	152.4	60.1	10.4
JG10-30-43	670	14159	3.7	18.4574	27.8	0.0851	29.0	0.0114	8.2	0.28	73.0	5.9	82.9	23.1	378.5	636.2	73.0	5.9
JG10-30-44	3235	88987	4.3	20.9573	9.6	0.0844	9.9	0.0128	2.4	0.24	82.2	1.9	82.3	7.8	85.2	227.5	82.2	1.9
JG10-30-45	475	5470	3.2	18.3353	68.6	0.0754	69.2	0.0100	8.5	0.12	64.3	5.5	73.8	49.3	393.4	1764.6	64.3	5.5
JG10-30-46	1205	2706	3.0	23.3805	35.7	0.0588	36.3	0.0100	6.6	0.18	64.0	4.2	58.0	20.5	-180.9	917.2	64.0	4.2
JG10-30-47	439	21588	2.2	15.8607	40.9	0.1022	43.8	0.0118	15.6	0.36	75.4	11.7	98.8	41.2	709.9	906.6	75.4	11.7
JG10-30-48	1116	45008	4.2	20.5345	25.1	0.0801	25.7	0.0119	5.4	0.21	76.4	4.1	78.2	19.3	133.4	598.3	76.4	4.1
JG10-30-49	468	8420	4.2	7.8820	252.7	0.1775	253.4	0.0101	19.1	0.08	65.1	12.4	165.9	408.6	2055.0	316.6	65.1	12.4
JG10-30-51	1794	25308	2.0	20.4451	28.6	0.0673	29.1	0.0100	5.2	0.18	64.1	3.3	66.2	18.6	143.6	683.6	64.1	3.3
JG10-30-52	1775	6533	3.1	21.2047	17.3	0.0704	18.3	0.0108	5.7	0.31	69.5	3.9	69.1	12.2	57.3	416.2	69.5	3.9
JG10-30-55	358	8059	2.4	15.9760	103.9	0.1043	105.4	0.0121	17.9	0.17	77.5	13.8	100.8	101.5	694.5	544.5	77.5	13.8
JG10-30-56	320	4216	2.8	26.4700	165.4	0.0553	166.4	0.0106	18.1	0.11	68.1	12.3	54.7	88.8	-500.7	0.0	68.1	12.3
JG10-30-57	1214	13714	3.6	19.2928	19.5	0.0843	20.8	0.0118	7.2	0.34	75.6	5.4	82.1	16.4	278.1	451.0	75.6	5.4
JG10-30-58	897	13148	3.7	15.6846	33.9	0.0905	36.1	0.0103	12.2	0.34	66.0	8.0	88.0	30.4	733.6	738.9	66.0	8.0
JG10-30-59	851	12177	4.3	22.4161	37.5	0.0687	38.2	0.0112	7.3	0.19	71.6	5.2	67.5	25.0	-76.8	946.9	71.6	5.2
JG10-30-6	808	6153	1.9	18.9727	28.9	0.0837	29.4	0.0115	5.2	0.18	73.9	3.8	81.7	23.0	316.2	669.8	73.9	3.8
JG10-30-60	277	5925	1.6	19.5093	39.1	0.1235	40.5	0.0175	10.6	0.26	111.7	11.7	118.2	45.2	252.5	930.7	111.7	11.7
JG10-30-61	809	13961	7.8	22.3159	56.7	0.0736	58.6	0.0119	14.9	0.25	76.4	11.3	72.1	40.8	-65.9	1497.3	76.4	11.3
JG10-30-62	571	10261	5.0	20.2169	65.1	0.0772	66.3	0.0113	12.8	0.19	72.6	9.3	75.5	48.3	169.8	1704.2	72.6	9.3
JG10-30-67	877	12530	3.9	18.8119	27.8	0.0698	29.2	0.0095	8.9	0.30	61.1	5.4	68.5	19.4	335.5	641.6	61.1	5.4
JG10-30-68	288	711	4.6	10.8060	43.8	0.1315	47.7	0.0103	18.9	0.40	66.1	12.4	125.5	56.3	1478.5	875.3	66.1	12.4
JG10-30-7	353	10696	1.1	57.5800	199.8	0.0380	200.3	0.0159	14.3	0.07	101.4	14.3	37.8	74.5	0.0	0.0	101.4	14.3
JG10-30-70	379	7698	1.5	21.9422	50.9	0.1059	51.6	0.0169	8.7	0.17	107.8	9.3	102.2	50.3	-24.8	1310.7	107.8	9.3
JG10-30-71	1222	17604	2.4	22.1906	21.1	0.0727	21.6	0.0117	4.5	0.21	75.0	3.4	71.3	14.8	-52.2	518.0	75.0	3.4
JG10-30-75	464	8626	3.1	14.0987	60.0	0.0997	62.4	0.0102	17.3	0.28	65.4	11.3	96.5	57.5	955.3	1359.5	65.4	11.3
JG10-30-76	547	15136	3.1	17.3427	33.0	0.0955	34.6	0.0120	10.4	0.30	77.0	7.9	92.6	30.6	516.9	743.1	77.0	7.9
JG10-30-77	1987	31356	2.3	20.3497	17.1	0.0633	25.6	0.0093	19.1	0.75	59.9	11.4	62.3	15.5	154.5	402.1	59.9	11.4
JG10-30-78	869	9196	4.5	21.7418	42.8	0.0707	44.7	0.0112	13.0	0.29	71.5	9.3	69.4	30.0	-2.7	1076.3	71.5	9.3
JG10-30-79	267	48179	1.9	19.7253	25.4	0.3800	26.4	0.0544	7.2	0.27	341.2	24.0	327.0	74.1	227.0	596.4	341.2	24.0
JG10-30-8	662	35633	1.9	19.1763	7.6	0.3746	8.6	0.0521	4.2	0.49	327.4	13.4	323.1	23.9	291.9	172.8	327.4	13.4
JG10-30-81	1215	15659	7.0	29.3565	43.3	0.0468	43.8	0.0100	6.5	0.15	64.0	4.2	46.5	19.9	-784.7	1272.9	64.0	4.2
JG10-30-82	370	3448	2.9	24.9074	66.4	0.0970	67.5	0.0175	12.3	0.18	111.9	13.7	94.0	60.6	-341.4	1915.8	111.9	13.7

JG10-30-83	474	14065	2.0	11.9747	124.9	0.1227	125.6	0.0107	13.6	0.11	68.3	9.2	117.5	140.3	1281.1	273.5	68.3	9.2
JG10-30-84	1142	19149	5.5	22.8222	37.3	0.0581	38.0	0.0096	7.0	0.18	61.7	4.3	57.4	21.2	-120.9	949.7	61.7	4.3
JG10-30-85	271	4005	5.5	-0.9617	5205.4	-1.4555	5205.4	0.0102	15.7	0.00	65.1	10.2	#NUM!	#NUM!	0.0	1278.2	65.1	10.2
JG10-30-86	625	9270	4.4	18.7110	27.3	0.0837	28.3	0.0114	7.3	0.26	72.8	5.3	81.6	22.2	347.7	627.6	72.8	5.3
JG10-30-88	1112	21372	5.4	22.9416	11.1	0.1033	11.8	0.0172	4.1	0.35	109.9	4.5	99.8	11.2	-133.8	274.6	109.9	4.5
JG10-30-89	944	14807	1.7	20.7369	29.7	0.0634	31.0	0.0095	9.0	0.29	61.2	5.5	62.4	18.8	110.2	714.8	61.2	5.5
JG10-30-9	319	13340	3.6	20.8205	51.6	0.1085	53.0	0.0164	12.4	0.23	104.8	12.9	104.6	52.8	100.7	1301.2	104.8	12.9
JG10-30-91	568	13723	3.1	32.1626	62.5	0.0489	63.2	0.0114	9.3	0.15	73.1	6.7	48.5	29.9	-1050.4	2052.4	73.1	6.7
JG10-30-92	597	14647	2.4	20.8115	27.4	0.0651	29.4	0.0098	10.7	0.36	63.0	6.7	64.0	18.2	101.8	658.3	63.0	6.7
JG10-30-93	452	12049	3.2	17.9516	33.5	0.0954	35.1	0.0124	10.5	0.30	79.6	8.3	92.6	31.1	440.6	765.9	79.6	8.3
JG10-30-94	775	14755	23.5	22.5267	27.4	0.0610	28.1	0.0100	6.2	0.22	64.0	3.9	60.2	16.4	-88.9	683.0	64.0	3.9
JG10-30-95	594	9578	2.8	13.1310	135.1	0.1010	135.8	0.0096	13.5	0.10	61.7	8.3	97.7	127.1	1099.2	464.6	61.7	8.3
JG10-30-97	616	14680	2.6	14.1054	179.9	0.1100	180.3	0.0113	11.2	0.06	72.1	8.0	105.9	183.3	954.4	856.7	72.1	8.0
JG10-30-99	515	7428	4.5	21.4979	56.5	0.0634	58.2	0.0099	13.9	0.24	63.4	8.8	62.4	35.2	24.5	1467.2	63.4	8.8

Sample TI10-01, Orca Fm (60.62149, -146.01168)

TI10-1-82	503	7371	2.7	-7.2012	433.3	-0.1769	433.7	0.0092	18.7	0.04	59.3	11.1	-197.7	-1701.7	0.0	123.4	59.3	11.1
TI10-1-18	327	8464	2.1	14.5503	90.3	0.0881	92.0	0.0093	17.3	0.19	59.7	10.3	85.7	75.8	890.6	311.2	59.7	10.3
TI10-1-85	275	6263	2.8	8.9842	255.2	0.1442	255.8	0.0094	17.5	0.07	60.3	10.5	136.8	339.3	1820.8	513.3	60.3	10.5
TI10-1-52	928	30574	2.6	20.4642	35.4	0.0633	35.9	0.0094	5.5	0.15	60.3	3.3	62.3	21.7	141.4	855.9	60.3	3.3
TI10-1-59	671	15486	3.9	19.1632	34.8	0.0677	36.5	0.0094	10.9	0.30	60.4	6.6	66.6	23.5	293.5	818.2	60.4	6.6
TI10-1-62	384	9052	2.4	14.7837	85.0	0.0939	86.7	0.0101	17.1	0.20	64.6	11.0	91.1	75.7	857.6	2336.6	64.6	11.0
TI10-1-87	659	13792	2.6	20.1588	35.8	0.0694	37.0	0.0101	9.5	0.26	65.0	6.2	68.1	24.4	176.6	858.9	65.0	6.2
TI10-1-14	635	2383	4.0	17.2915	42.5	0.0812	44.4	0.0102	12.9	0.29	65.3	8.4	79.3	33.9	523.4	974.9	65.3	8.4
TI10-1-43	1836	51740	6.1	20.8196	19.9	0.0675	20.3	0.0102	4.1	0.20	65.3	2.7	66.3	13.0	100.8	473.6	65.3	2.7
TI10-1-97	407	8628	3.2	26.2734	82.3	0.0537	83.9	0.0102	16.5	0.20	65.6	10.8	53.1	43.4	-480.9	2695.7	65.6	10.8
TI10-1-78	602	7285	5.0	16.7813	37.5	0.0852	38.5	0.0104	8.8	0.23	66.5	5.8	83.0	30.7	588.7	841.8	66.5	5.8
TI10-1-86	2072	18204	6.3	22.0062	12.3	0.0651	12.6	0.0104	2.9	0.23	66.7	1.9	64.1	7.8	-31.9	298.7	66.7	1.9
TI10-1-100	452	2623	3.1	15.3114	89.7	0.0956	90.6	0.0106	13.2	0.15	68.1	9.0	92.8	80.5	784.4	377.2	68.1	9.0
TI10-1-29	299	10047	2.7	20.3249	78.4	0.0721	80.1	0.0106	16.5	0.21	68.2	11.2	70.7	54.8	157.4	2230.4	68.2	11.2
TI10-1-37	445	22476	2.9	14.1776	83.2	0.1042	84.9	0.0107	16.6	0.20	68.7	11.3	100.6	81.5	943.9	2217.4	68.7	11.3
TI10-1-67	653	16836	3.7	34.2432	47.4	0.0434	48.0	0.0108	7.2	0.15	69.1	5.0	43.1	20.3	-1242.4	1556.8	69.1	5.0
TI10-1-42	297	8871	2.8	32.3343	78.4	0.0460	80.1	0.0108	16.7	0.21	69.2	11.5	45.7	35.8	-1066.4	1131.5	69.2	11.5
TI10-1-21	654	16840	2.8	13.8860	100.1	0.1073	101.3	0.0108	15.7	0.15	69.3	10.8	103.5	100.0	986.4	315.7	69.3	10.8
TI10-1-33	511	8642	2.6	20.4514	111.9	0.0730	112.6	0.0108	12.6	0.11	69.4	8.7	71.5	77.9	142.9	1026.1	69.4	8.7
TI10-1-84	388	8205	5.6	11.2948	108.2	0.1327	109.1	0.0109	14.3	0.13	69.7	9.9	126.5	130.5	1394.1	97.5	69.7	9.9
TI10-1-94	1255	40322	1.4	24.8387	46.1	0.0611	46.6	0.0110	7.2	0.15	70.5	5.0	60.2	27.2	-334.2	1243.2	70.5	5.0
TI10-1-50	792	26305	3.4	24.2717	39.0	0.0644	39.9	0.0113	8.4	0.21	72.6	6.1	63.3	24.5	-275.2	1025.3	72.6	6.1
TI10-1-92	404	7883	2.8	9.3987	166.9	0.1665	167.5	0.0113	14.1	0.08	72.7	10.2	156.3	247.4	1738.6	179.8	72.7	10.2
TI10-1-57	593	2163	1.7	17.0956	29.9	0.0918	33.2	0.0114	14.4	0.43	72.9	10.4	89.2	28.3	548.4	666.6	72.9	10.4
TI10-1-79	474	18837	2.9	10.4444	163.9	0.1505	164.4	0.0114	12.9	0.08	73.1	9.4	142.3	221.8	1542.8	304.9	73.1	9.4
TI10-1-99	671	11579	4.0	22.6824	42.4	0.0694	43.5	0.0114	9.8	0.23	73.2	7.2	68.2	28.7	-105.8	1086.9	73.2	7.2
TI10-1-34	347	10558	3.5	14.7632	34.8	0.1071	38.8	0.0115	17.2	0.44	73.5	12.6	103.3	38.1	860.5	744.3	73.5	12.6
TI10-1-75	854	26704	3.2	21.8028	42.1	0.0726	42.7	0.0115	7.2	0.17	73.6	5.3	71.2	29.3	-9.4	1057.7	73.6	5.3
TI10-1-58	970	31144	1.3	20.8508	15.3	0.0772	17.1	0.0117	7.8	0.45	74.8	5.8	75.5	12.5	97.3	363.2	74.8	5.8
TI10-1-5	428	13868	5.5	6.3080	248.8	0.2566	249.5	0.0117	19.0	0.08	75.2	14.2	231.9	570.6	2440.0	15.6	75.2	14.2
TI10-1-77	759	18458	4.5	21.1387	49.8	0.0768	50.2	0.0118	6.2	0.12	75.5	4.6	75.2	36.4	64.7	1258.3	75.5	4.6
TI10-1-27	404	9409	4.0	12.1242	83.6	0.1370	84.9	0.0120	14.9	0.18	77.2	11.4	130.3	104.2	1257.0	2154.2	77.2	11.4
TI10-1-91	1136	27652	3.4	26.2259	34.7	0.0634	35.1	0.0121	4.9	0.14	77.3	3.7	62.5	21.2	-476.1	943.7	77.3	3.7

TI10-1-4	4211	105414	9.4	20.7218	4.7	0.0823	8.0	0.0124	6.4	0.81	79.2	5.1	80.3	6.1	112.0	109.8	79.2	5.1
TI10-1-53	663	12613	3.4	20.0398	36.8	0.0861	37.3	0.0125	6.3	0.17	80.2	5.0	83.8	30.0	190.4	882.6	80.2	5.0
TI10-1-10	537	51672	2.6	-19.152	318.2	-0.0903	318.4	0.0125	13.3	0.04	80.4	10.6	-96.1	-332.3	0.0	958.0	80.4	10.6
TI10-1-45	393	8572	5.6	14.7883	110.8	0.1173	111.9	0.0126	15.4	0.14	80.6	12.3	112.6	119.9	856.9	479.2	80.6	12.3
TI10-1-7	1615	80780	5.3	19.0147	11.4	0.0915	12.1	0.0126	3.9	0.32	80.9	3.2	88.9	10.3	311.2	260.9	80.9	3.2
TI10-1-74	343	10835	2.1	5.7216	656.7	0.3050	656.9	0.0127	13.1	0.02	81.1	10.6	270.3	#NUM!	2603.9	1024.4	81.1	10.6
TI10-1-28	825	17995	2.6	25.8443	56.2	0.0676	56.7	0.0127	8.0	0.14	81.2	6.4	66.4	36.5	-437.5	1589.5	81.2	6.4
TI10-1-46	1218	44463	5.7	21.4067	18.1	0.0845	18.4	0.0131	3.7	0.20	84.0	3.1	82.4	14.6	34.6	435.7	84.0	3.1
TI10-1-38	793	28333	4.3	22.0127	40.4	0.0848	40.9	0.0135	6.6	0.16	86.7	5.7	82.7	32.5	-32.6	1016.7	86.7	5.7
TI10-1-93	498	14953	12.1	19.6347	21.0	0.0955	22.4	0.0136	7.6	0.34	87.1	6.6	92.6	19.8	237.7	489.9	87.1	6.6
TI10-1-20	618	21302	5.2	21.0110	22.6	0.0914	23.1	0.0139	4.7	0.20	89.2	4.2	88.8	19.6	79.1	542.1	89.2	4.2
TI10-1-90	712	23201	4.5	24.1787	39.2	0.0836	39.8	0.0147	6.8	0.17	93.8	6.3	81.5	31.2	-265.4	1029.2	93.8	6.3
TI10-1-63	2235	88987	1.8	21.0599	8.6	0.1093	9.0	0.0167	2.5	0.28	106.7	2.7	105.3	9.0	73.6	205.1	106.7	2.7
TI10-1-36	4237	34660	1.7	20.8540	4.5	0.1108	4.8	0.0168	1.8	0.37	107.1	1.9	106.7	4.9	96.9	105.5	107.1	1.9
TI10-1-71	1102	45205	14.4	19.1776	7.5	0.1911	14.1	0.0266	12.0	0.85	169.1	20.0	177.5	23.0	291.8	172.0	169.1	20.0
TI10-1-56	694	32231	2.1	21.5297	19.3	0.1819	19.8	0.0284	4.3	0.21	180.6	7.6	169.7	31.0	20.9	468.0	180.6	7.6
TI10-1-81	655	45157	1.9	19.1876	20.9	0.2066	21.5	0.0287	5.0	0.23	182.7	9.0	190.7	37.4	290.5	482.1	182.7	9.0
TI10-1-41	591	36636	3.4	21.6387	24.9	0.1901	25.3	0.0298	4.7	0.19	189.5	8.8	176.7	41.1	8.8	607.1	189.5	8.8
TI10-1-19	440	33368	4.0	20.3709	27.9	0.2023	28.7	0.0299	6.7	0.23	189.9	12.6	187.1	49.1	152.1	665.8	189.9	12.6
TI10-1-49	145	7441	3.9	16.2622	34.9	0.2550	37.6	0.0301	14.0	0.37	191.0	26.4	230.6	77.7	656.5	770.8	191.0	26.4
TI10-1-25	187	8883	2.0	21.5093	59.5	0.1951	60.3	0.0304	9.8	0.16	193.3	18.8	181.0	100.3	23.2	1561.8	193.3	18.8
TI10-1-66	494	55824	2.2	20.3022	22.8	0.2083	23.2	0.0307	4.4	0.19	194.7	8.5	192.1	40.6	160.0	539.0	194.7	8.5
TI10-1-6	171	12880	2.7	16.3388	58.1	0.2632	59.2	0.0312	11.5	0.19	198.0	22.3	237.2	125.9	646.4	1368.4	198.0	22.3
TI10-1-32	502	59396	2.9	19.1104	15.0	0.2660	16.0	0.0369	5.6	0.35	233.4	12.9	239.5	34.2	299.7	344.2	233.4	12.9
TI10-1-26	180	10835	3.0	25.4250	61.9	0.2408	63.6	0.0444	14.3	0.23	280.1	39.2	219.1	125.9	-394.7	1773.2	280.1	39.2
TI10-1-1	146	16281	1.9	17.5552	31.3	0.4625	32.0	0.0589	6.9	0.21	368.8	24.6	386.0	103.2	490.1	705.7	368.8	24.6
TI10-1-24	342	33236	2.0	18.2428	13.3	0.5420	13.9	0.0717	4.2	0.30	446.4	18.1	439.7	49.7	404.7	297.8	446.4	18.1
TI10-1-12	244	75464	2.5	13.7449	5.6	1.6889	7.0	0.1684	4.3	0.61	1003.1	39.5	1004.4	44.8	1007.1	113.3	1007.1	113.3
TI10-1-13	275	89853	3.8	13.0761	2.7	1.9324	3.1	0.1833	1.4	0.47	1084.8	14.5	1092.4	20.4	1107.5	53.7	1107.5	53.7
TI10-1-9	92	46201	2.8	10.8338	5.5	3.1778	6.2	0.2497	3.0	0.48	1436.9	38.4	1451.8	48.1	1473.6	103.6	1473.6	103.6
TI10-1-3	127	129884	1.7	8.8705	3.5	4.9512	4.9	0.3185	3.4	0.70	1782.6	53.0	1811.0	41.1	1843.9	62.9	1843.9	62.9
TI10-1-2	700	576515	1.5	8.1805	0.6	6.2969	1.5	0.3736	1.4	0.93	2046.3	25.0	2018.0	13.4	1989.2	9.9	1989.2	9.9
TI10-1-54	78	48139	0.6	8.1492	4.5	5.7848	5.5	0.3419	3.2	0.58	1895.8	52.6	1944.1	47.9	1996.0	80.1	1996.0	80.1
TI10-1-16	75	29261	1.1	5.3558	2.0	12.7833	3.6	0.4966	3.0	0.83	2599.0	63.4	2663.8	33.7	2713.4	33.1	2713.4	33.1

Sample TI10-03, Orca Fm (60.62800, -145.89881)

TI10-3-37	308	5691	5.0	15.7895	68.2	0.0755	70.2	0.0086	16.6	0.24	55.5	9.2	73.9	50.1	719.4	1665.9	55.5	9.2
TI10-3-31	1158	23966	4.2	20.5250	21.8	0.0611	22.4	0.0091	5.4	0.24	58.3	3.1	60.2	13.1	134.4	516.6	58.3	3.1
TI10-3-16	610	13730	2.3	24.7889	39.9	0.0510	40.6	0.0092	7.5	0.19	58.9	4.4	50.5	20.0	-329.1	1061.1	58.9	4.4
TI10-3-19	388	10715	2.0	6.9231	134.4	0.1926	135.7	0.0097	19.2	0.14	62.0	11.9	178.8	226.2	2281.2	330.7	62.0	11.9
TI10-3-6	802	18858	2.9	20.5456	37.7	0.0670	38.7	0.0100	8.7	0.23	64.1	5.6	65.9	24.7	132.0	915.2	64.1	5.6
TI10-3-60	510	6249	2.6	24.5488	118.2	0.0570	119.2	0.0101	15.1	0.13	65.1	9.8	56.3	65.3	-304.1	1475.1	65.1	9.8
TI10-3-43	523	19364	3.1	16.9550	51.3	0.0835	52.6	0.0103	11.7	0.22	65.8	7.7	81.4	41.2	566.4	1194.7	65.8	7.7
TI10-3-80	323	2987	2.6	3.3493	531.4	0.4287	531.7	0.0104	17.5	0.03	66.8	11.6	362.2	#NUM!	3462.8	31.8	66.8	11.6
TI10-3-91	388	12566	3.1	7.1924	215.5	0.1998	216.1	0.0104	16.6	0.08	66.8	11.1	184.9	382.5	2215.2	53.3	66.8	11.1
TI10-3C-36	234	1195	2.1	22.4315	62.3	0.0641	64.4	0.0104	16.5	0.26	66.9	11.0	63.1	39.5	-78.5	1683.9	66.9	11.0
TI10-3-73	342	14691	6.4	8.8601	131.2	0.1639	132.4	0.0105	17.5	0.13	67.5	11.8	154.1	191.5	1846.1	69.4	67.5	11.8
TI10-3-35	675	14506	1.8	24.5086	44.8	0.0593	45.5	0.0105	7.9	0.17	67.6	5.3	58.5	25.9	-299.9	1198.1	67.6	5.3
TI10-3-58	552	2455	10.3	21.0324	49.9	0.0700	50.7	0.0107	8.9	0.18	68.5	6.1	68.7	33.7	76.7	1257.6	68.5	6.1
TI10-3-84	522	7917	2.4	23.0350	48.5	0.0644	50.1	0.0108	12.5	0.25	68.9	8.6	63.3	30.8	-143.9	1270.2	68.9	8.6

TI10-3-40	404	10836	3.5	9.8702	140.6	0.1505	141.2	0.0108	13.4	0.10	69.1	9.2	142.4	189.8	1648.3	110.0	69.1	9.2
TI10-3-95	1432	13864	1.9	18.2937	16.9	0.0816	17.7	0.0108	5.4	0.30	69.5	3.7	79.7	13.6	398.5	380.5	69.5	3.7
TI10-3-85	386	7719	2.8	22.0854	35.2	0.0680	36.2	0.0109	8.6	0.24	69.9	6.0	66.8	23.4	-40.6	878.8	69.9	6.0
TI10-3-24	633	14742	5.2	23.4149	42.4	0.0646	43.5	0.0110	9.4	0.22	70.3	6.6	63.6	26.8	-184.6	1103.6	70.3	6.6
TI10-3-8	541	12595	2.5	7.0746	289.1	0.2142	289.4	0.0110	13.1	0.05	70.5	9.2	197.1	572.3	2243.8	303.2	70.5	9.2
TI10-3-77	321	11493	2.0	21.8014	64.4	0.0700	65.5	0.0111	11.7	0.18	70.9	8.3	68.7	43.5	-9.3	1736.2	70.9	8.3
TI10-3-65	427	6915	3.1	16.6813	50.3	0.0915	52.3	0.0111	14.2	0.27	71.0	10.0	88.9	44.5	601.7	1162.7	71.0	10.0
TI10-3-81	1483	27024	3.7	21.1060	21.5	0.0728	21.9	0.0111	4.4	0.20	71.4	3.1	71.3	15.1	68.4	516.6	71.4	3.1
TI10-3C-20	375	648	1.8	13.7672	93.7	0.1118	96.0	0.0112	20.9	0.22	71.6	14.9	107.6	98.3	1003.8	260.4	71.6	14.9
TI10-3-4	267	4578	2.6	9.1609	164.1	0.1680	164.7	0.0112	14.8	0.09	71.6	10.5	157.7	245.3	1785.4	133.4	71.6	10.5
TI10-3-39	911	24301	4.9	22.9542	49.4	0.0676	50.1	0.0113	8.0	0.16	72.2	5.8	66.5	32.2	-135.2	1294.5	72.2	5.8
TI10-3-97	304	3249	2.1	17.0564	77.8	0.0911	78.8	0.0113	12.9	0.16	72.2	9.3	88.5	66.9	553.3	2073.7	72.2	9.3
TI10-3-76	1252	22066	1.9	19.9080	20.8	0.0782	21.6	0.0113	5.7	0.26	72.4	4.1	76.5	15.9	205.7	487.6	72.4	4.1
TI10-3a-3	284	3322	4.2	10.1841	190.0	0.1533	191.1	0.0113	20.8	0.11	72.6	15.0	144.8	263.7	1590.1	400.6	72.6	15.0
TI10-3-66	640	29758	3.3	17.1120	30.0	0.0913	31.0	0.0113	7.9	0.25	72.6	5.7	88.7	26.3	546.2	668.6	72.6	5.7
TI10-3C-26	420	334	3.0	17.9674	47.6	0.0872	49.3	0.0114	12.9	0.26	72.8	9.3	84.9	40.2	438.7	1120.2	72.8	9.3
TI10-3-13	319	4381	2.4	11.3306	68.7	0.1389	71.3	0.0114	19.3	0.27	73.2	14.0	132.1	88.6	1388.1	1536.2	73.2	14.0
TI10-3-90	392	31445	5.9	18.1668	35.9	0.0870	36.7	0.0115	7.6	0.21	73.5	5.5	84.7	29.9	414.0	827.9	73.5	5.5
TI10-3-79	587	20162	4.5	20.3436	23.7	0.0785	25.8	0.0116	10.3	0.40	74.2	7.6	76.7	19.1	155.3	561.4	74.2	7.6
TI10-3C-8	263	2321	1.5	6.2542	169.8	0.2563	171.3	0.0116	22.9	0.13	74.5	17.0	231.7	370.5	2454.5	288.4	74.5	17.0
TI10-3-88	340	9929	2.9	11.3890	82.8	0.1410	84.7	0.0116	17.8	0.21	74.6	13.2	133.9	106.7	1378.2	2086.7	74.6	13.2
TI10-3-64	455	20313	2.4	14.1306	55.0	0.1139	57.1	0.0117	15.3	0.27	74.8	11.4	109.6	59.3	950.7	1222.8	74.8	11.4
TI10-3-94	1000	10564	4.2	23.2315	26.3	0.0698	26.8	0.0118	5.0	0.19	75.4	3.8	68.5	17.7	-165.0	664.2	75.4	3.8
TI10-3a-313	310	580	2.0	12.3062	42.2	0.1325	45.5	0.0118	17.2	0.38	75.8	12.9	126.3	54.1	1227.7	867.8	75.8	12.9
TI10-3a-347	282	3126	2.3	2.1528	699.9	0.7611	700.3	0.0119	24.2	0.03	76.2	18.3	574.6	#NUM!	4132.3	266.2	76.2	18.3
TI10-3-42	556	3449	2.3	19.9045	35.1	0.0825	38.6	0.0119	16.1	0.42	76.3	12.2	80.5	29.9	206.1	836.3	76.3	12.2
TI10-3B-14	309	7428	4.6	10.8111	129.4	0.1523	131.5	0.0119	23.2	0.18	76.5	17.6	144.0	178.3	1477.6	165.4	76.5	17.6
TI10-3-78	629	6578	3.9	17.4323	32.1	0.0951	33.1	0.0120	8.4	0.25	77.0	6.4	92.2	29.2	505.6	722.4	77.0	6.4
TI10-3-12	1098	3772	3.7	20.5643	13.0	0.0807	15.4	0.0120	8.1	0.53	77.1	6.2	78.8	11.6	129.9	307.8	77.1	6.2
TI10-3-70	434	7560	3.1	17.2613	43.8	0.0969	45.8	0.0121	13.3	0.29	77.8	10.3	94.0	41.1	527.3	1007.6	77.8	10.3
TI10-3a-355	365	989	2.8	18.8426	47.0	0.0895	49.8	0.0122	16.5	0.33	78.3	12.9	87.0	41.6	331.8	1125.3	78.3	12.9
TI10-3a-21	314	2481	2.4	11.5736	62.4	0.1466	64.2	0.0123	15.1	0.24	78.8	11.9	138.9	83.6	1347.2	1357.4	78.8	11.9
TI10-3-53	1386	43298	5.3	22.9375	24.5	0.0741	25.3	0.0123	6.1	0.24	79.0	4.8	72.6	17.7	-133.4	613.8	79.0	4.8
TI10-3a-326	298	1829	3.7	8.2162	213.5	0.2091	214.5	0.0125	20.9	0.10	79.8	16.6	192.8	395.4	1981.4	214.2	79.8	16.6
TI10-3-23	352	8246	1.8	13.7407	75.6	0.1252	76.2	0.0125	9.3	0.12	80.0	7.4	119.8	86.3	1007.7	1861.5	80.0	7.4
TI10-3a-5	210	3295	2.3	7.8453	97.6	0.2194	100.0	0.0125	21.6	0.22	80.0	17.1	201.4	184.7	2063.3		80.0	17.1
TI10-3-41	2230	113384	2.3	20.6106	14.9	0.0841	15.2	0.0126	2.9	0.19	80.5	2.3	82.0	12.0	124.6	353.0	80.5	2.3
TI10-3a-10	240	5696	1.9	11.5560	85.3	0.1505	87.3	0.0126	18.3	0.21	80.8	14.7	142.3	116.4	1350.1	16.8	80.8	14.7
TI10-3a-354	245	4232	4.5	-1.7658	966.3	-0.9848	966.5	0.0126	19.9	0.02	80.8	16.0	-4251.5	#NUM!	0.0	393.1	80.8	16.0
TI10-3-47	303	9326	2.4	13.2233	61.1	0.1319	64.1	0.0126	19.4	0.30	81.0	15.7	125.8	76.0	1085.2	1367.4	81.0	15.7
TI10-3-56	341	18697	4.8	19.1200	58.2	0.0926	60.1	0.0128	15.1	0.25	82.2	12.3	89.9	51.8	298.6	1450.1	82.2	12.3
TI10-3B-32	227	4530	2.8	5.5047	248.3	0.3223	249.0	0.0129	19.2	0.08	82.4	15.7	283.7	715.0	2668.1	146.1	82.4	15.7
TI10-3C-6	193	2442	2.3	13.3491	65.6	0.1331	71.6	0.0129	28.7	0.40	82.5	23.6	126.9	85.6	1066.1	1502.5	82.5	23.6
TI10-3C-16	186	378	3.6	12.3120	109.2	0.1454	111.7	0.0130	23.6	0.21	83.1	19.5	137.8	144.9	1226.8	214.3	83.1	19.5
TI10-3a-332	365	750	2.2	14.1758	45.4	0.1277	46.5	0.0131	9.9	0.21	84.1	8.3	122.0	53.5	944.2	981.4	84.1	8.3
TI10-3C-40	284	1432	2.8	16.1826	27.1	0.1120	33.3	0.0131	19.2	0.58	84.2	16.1	107.8	34.0	667.0	591.3	84.2	16.1
TI10-3-52	420	20336	4.0	20.9929	39.4	0.0869	40.8	0.0132	10.7	0.26	84.7	9.0	84.6	33.2	81.2	969.1	84.7	9.0
TI10-3a-340	325	1474	3.5	15.4585	54.7	0.1182	57.7	0.0132	18.4	0.32	84.8	15.5	113.4	61.9	764.2	1248.3	84.8	15.5
TI10-3a-349	594	19297	5.8	9.1099	303.6	0.2029	304.1	0.0134	17.6	0.06	85.9	15.0	187.6	575.4	1795.6	735.4	85.9	15.0
TI10-3-5	525	10502	3.2	16.2009	83.7	0.1142	84.3	0.0134	9.7	0.12	85.9	8.3	109.8	88.0	664.6	2327.0	85.9	8.3

TI10-3a-334	444	1090	2.6	18.3166	52.2	0.1013	54.0	0.0135	13.6	0.25	86.2	11.7	98.0	50.4	395.7	1254.4	86.2	11.7
TI10-3a-15A	401	2959	1.6	16.3032	26.9	0.1151	30.5	0.0136	14.4	0.47	87.2	12.5	110.7	32.0	651.1	587.0	87.2	12.5
TI10-3-45	336	6759	3.4	18.6893	40.7	0.1018	43.3	0.0138	14.7	0.34	88.4	12.9	98.4	40.6	350.4	956.7	88.4	12.9
TI10-3a-351	765	1847	5.8	16.3668	27.0	0.1185	28.0	0.0141	7.4	0.26	90.1	6.6	113.7	30.1	642.7	589.9	90.1	6.6
TI10-3-92	578	28411	2.3	21.6814	36.5	0.0920	37.5	0.0145	8.5	0.23	92.6	7.8	89.3	32.1	4.0	906.5	92.6	7.8
TI10-3-20	392	13295	3.2	33.4407	91.4	0.0599	92.6	0.0145	14.5	0.16	93.0	13.4	59.1	53.2	-1168.8	1852.5	93.0	13.4
TI10-3C-81	216	1489	5.6	15.2339	94.3	0.1322	96.1	0.0146	18.2	0.19	93.4	16.9	126.0	114.3	795.0	404.1	93.4	16.9
TI10-3a-333	263	670	4.6	9.9475	43.2	0.2067	49.2	0.0149	23.4	0.48	95.4	22.2	190.8	85.7	1633.9	845.9	95.4	22.2
TI10-3-75	623	22737	0.8	22.1802	29.2	0.0942	29.7	0.0152	5.5	0.19	96.9	5.3	91.4	26.0	-51.0	723.3	96.9	5.3
TI10-3-46	725	19419	6.1	22.8011	23.3	0.0916	24.9	0.0152	8.9	0.36	97.0	8.6	89.0	21.3	-118.7	581.1	97.0	8.6
TI10-3a-343	374	1968	2.9	15.0358	35.1	0.1392	36.3	0.0152	9.1	0.25	97.1	8.8	132.4	45.1	822.4	756.2	97.1	8.8
TI10-3a-336	212	1208	3.4	11.4983	83.6	0.1871	86.5	0.0156	22.3	0.26	99.8	22.1	174.2	139.3	1359.8	2127.8	99.8	22.1
TI10-3a-26	347	2500	4.2	6.6463	149.9	0.3263	150.9	0.0157	17.9	0.12	100.6	17.9	286.8	396.0	2351.1	305.7	100.6	17.9
TI10-3-63	1170	111554	2.0	20.8923	21.9	0.1053	22.6	0.0160	5.4	0.24	102.0	5.5	101.6	21.8	92.6	524.1	102.0	5.5
TI10-3-83	4215	35192	2.5	21.0816	2.9	0.1127	3.9	0.0172	2.6	0.67	110.1	2.8	108.4	4.0	71.2	68.4	110.1	2.8
TI10-3C-7	173	549	1.3	2.9221	323.1	0.8287	324.0	0.0176	23.4	0.07	112.2	26.1	612.9	#NUM!	3672.7	609.2	112.2	26.1
TI10-3a-329	217	1390	4.0	-10.952	568.4	-0.2546	568.8	0.0202	20.7	0.04	129.1	26.5	-298.4	#NUM!	0.0	1375.2	129.1	26.5
TI10-3a-344	315	2640	2.6	12.3910	33.1	0.2475	41.5	0.0222	25.0	0.60	141.8	35.1	224.5	83.7	1214.2	668.9	141.8	35.1
TI10-3-18	265	35875	2.1	19.6428	33.6	0.1624	34.6	0.0231	8.1	0.24	147.4	11.9	152.8	49.1	236.7	794.8	147.4	11.9
TI10-3-17	2477	102590	3.6	20.0779	6.5	0.1603	8.6	0.0233	5.6	0.65	148.8	8.3	151.0	12.1	185.9	151.9	148.8	8.3
TI10-3B-18	82	2404	3.2	1.4283	773.9	2.4147	774.4	0.0250	28.6	0.04	159.3	45.0	1247.0	#NUM!	0.0	599.9	159.3	45.0
TI10-3a-11	78	9999	2.0	0.4502	3913.2	7.6671	3913.3	0.0250	27.8	0.01	159.4	43.7	2192.8	#NUM!		213.2	159.4	43.7
TI10-3a-318	102	2255	2.2	12.7105	55.4	0.3062	62.1	0.0282	28.1	0.45	179.4	49.7	271.2	148.9	1163.9	1197.5	179.4	49.7
TI10-3a-6	110	4102	2.9	17.2613	60.7	0.2378	61.7	0.0298	11.2	0.18	189.1	20.9	216.6	121.0	527.3	1471.6	189.1	20.9
TI10-3-100	323	3213	2.3	22.0348	42.8	0.1877	43.9	0.0300	9.8	0.22	190.5	18.4	174.6	70.6	-35.0	1083.0	190.5	18.4
TI10-3-27	182	13768	2.2	16.7184	44.3	0.2690	46.8	0.0326	15.2	0.32	206.9	31.0	241.9	101.1	596.9	1007.5	206.9	31.0
TI10-3a-339	220	5776	2.1	14.7498	28.3	0.3279	29.6	0.0351	8.9	0.30	222.3	19.3	288.0	74.4	862.4	597.8	222.3	19.3
TI10-3-2	314	63433	3.1	19.5955	20.8	0.3997	21.4	0.0568	4.9	0.23	356.1	16.8	341.4	62.1	242.3	484.7	356.1	16.8
TI10-3-9	351	60253	1.2	19.4344	25.0	0.4078	25.4	0.0575	4.6	0.18	360.3	16.1	347.3	74.8	261.3	581.1	360.3	16.1
TI10-3-98	364	37078	2.9	20.3350	23.8	0.3918	24.3	0.0578	4.8	0.20	362.1	16.8	335.7	69.5	156.2	564.4	362.1	16.8
TI10-3-51	440	51224	1.8	19.1347	10.8	0.4198	10.9	0.0583	1.9	0.17	365.1	6.7	355.9	32.8	296.9	245.9	365.1	6.7
TI10-3-96	225	32662	2.0	18.2443	26.7	0.4500	27.7	0.0595	7.1	0.26	372.8	25.8	377.3	87.4	404.5	608.6	372.8	25.8
TI10-3-87	297	34166	2.3	18.7937	14.5	0.4397	15.0	0.0599	3.9	0.26	375.2	14.3	370.0	46.7	337.7	330.2	375.2	14.3
TI10-3B-26	213	57903	2.4	17.3988	19.1	0.4838	19.7	0.0610	5.0	0.26	382.0	18.7	400.7	65.5	509.8	423.2	382.0	18.7
TI10-3a-348	391	5951	4.7	17.4783	13.6	0.4906	14.9	0.0622	6.1	0.41	388.9	23.0	405.3	49.8	499.8	300.3	388.9	23.0
TI10-3-30	103	32510	1.3	13.3754	6.8	1.7874	7.6	0.1734	3.2	0.43	1030.8	30.7	1040.9	49.3	1062.2	137.8	1062.2	137.8
TI10-3-54	154	25053	0.8	13.1523	7.4	1.6369	8.7	0.1561	4.5	0.52	935.3	39.6	984.5	54.7	1095.9	147.9	1095.9	147.9
TI10-3-38	176	26035	1.9	12.4209	7.7	2.3549	8.3	0.2121	3.2	0.38	1240.2	36.0	1229.1	59.3	1209.5	151.3	1209.5	151.3
TI10-3-49	74	40513	3.0	10.9824	5.0	3.0632	6.3	0.2440	3.7	0.59	1407.4	47.1	1423.5	48.0	1447.7	96.0	1447.7	96.0
TI10-3-86	137	43931	1.4	9.3294	4.3	4.5229	6.8	0.3060	5.2	0.77	1721.2	78.9	1735.2	56.5	1752.1	79.4	1752.1	79.4
TI10-3-1	426	323174	3.0	9.0659	1.0	4.8416	2.2	0.3183	1.9	0.88	1781.7	29.5	1792.2	18.1	1804.4	18.5	1804.4	18.5
TI10-3-34	59	80065	1.4	8.8495	3.4	5.1844	4.4	0.3328	2.8	0.64	1851.7	45.5	1850.1	37.6	1848.2	61.4	1848.2	61.4
TI10-3-25	112	55650	1.2	8.7960	4.8	4.7334	5.3	0.3020	2.1	0.41	1701.1	32.0	1773.2	44.2	1859.2	87.1	1859.2	87.1
TI10-3-26	169	93832	1.4	8.7684	2.5	5.2364	3.1	0.3330	1.8	0.59	1852.9	29.2	1858.6	26.1	1864.8	44.5	1864.8	44.5
TI10-3-28R	651	23392	1.9	8.5315	1.0	4.5203	4.7	0.2797	4.5	0.98	1589.8	63.9	1734.7	38.7	1914.1	18.4	1914.1	18.4
TI10-3-71	156	125825	1.3	8.3157	1.6	5.7632	2.1	0.3476	1.3	0.61	1923.1	20.8	1940.9	17.8	1960.0	29.0	1960.0	29.0
TI10-3-14	70	5058	1.1	8.2197	6.3	4.4130	11.1	0.2631	9.1	0.82	1505.6	122.7	1714.8	92.2	1980.7	112.6	1980.7	112.6
TI10-3-22	466	28553	0.8	8.2053	0.8	4.7901	3.8	0.2851	3.7	0.98	1616.8	52.7	1783.2	31.7	1983.8	14.7	1983.8	14.7
TI10-3-11	229	198953	2.2	6.7149	1.0	8.9759	2.9	0.4371	2.8	0.94	2337.8	54.1	2335.6	26.9	2333.6	17.6	2333.6	17.6
TI10-3-33	103	43765	1.8	4.6479	0.8	14.0443	2.8	0.4734	2.7	0.96	2498.6	56.4	2752.7	27.0	2944.7	13.5	2944.7	13.5

Sample TI10-04, Orca Fm (60.61495, -145.83420)

TI10-04-45	1786	32474	3.0	20.6199	15.6	0.0614	16.3	0.0092	4.8	0.29	58.9	2.8	60.5	9.6	123.6	369.7	58.9	2.8
TI10-04-68	1930	23359	3.3	20.4331	7.2	0.0647	8.0	0.0096	3.4	0.43	61.5	2.1	63.7	4.9	144.9	168.9	61.5	2.1
TI10-04-42	582	11527	3.0	27.2039	74.5	0.0497	75.1	0.0098	9.4	0.13	62.9	5.9	49.3	36.1	-574.1	2344.4	62.9	5.9
TI10-04-37	997	27737	1.8	22.3364	23.3	0.0606	23.6	0.0098	3.7	0.16	62.9	2.3	59.7	13.7	-68.1	574.8	62.9	2.3
TI10-04-29	542	9577	2.5	15.7198	21.9	0.0914	23.8	0.0104	9.4	0.39	66.8	6.2	88.8	20.3	728.8	469.8	66.8	6.2
TI10-04-16	3706	64196	5.3	21.4839	5.2	0.0678	5.9	0.0106	2.8	0.48	67.8	1.9	66.6	3.8	26.0	124.3	67.8	1.9
TI10-04-36	899	23433	2.0	24.2435	19.1	0.0614	19.7	0.0108	4.8	0.24	69.2	3.3	60.5	11.6	-272.2	490.3	69.2	3.3
TI10-04-43	365	118026	5.1	13.1807	4.7	1.5046	6.0	0.1438	3.8	0.63	866.3	30.5	932.2	36.7	1091.6	94.0	69.3	12.9
TI10-04-56	443	8933	3.7	12.5053	61.4	0.1193	62.1	0.0108	9.1	0.15	69.4	6.3	114.5	67.3	1196.1	1354.3	69.4	6.3
TI10-04-66	536	11022	3.9	27.4480	72.1	0.0547	72.8	0.0109	10.2	0.14	69.9	7.1	54.1	38.4	-598.3	2249.2	69.9	7.1
TI10-04-54	351	4555	3.5	9.6493	54.0	0.1558	57.3	0.0109	19.2	0.33	69.9	13.3	147.0	78.5	1690.2	1084.9	69.9	13.3
TI10-04-15	720	13646	2.7	20.7545	32.6	0.0730	34.3	0.0110	10.6	0.31	70.4	7.4	71.5	23.7	108.2	788.9	70.4	7.4
TI10-04-84	372	12041	3.8	18.0678	87.5	0.0843	88.5	0.0110	13.5	0.15	70.8	9.5	82.2	70.0	426.2	2633.5	70.8	9.5
TI10-04-47	507	27354	3.0	21.6057	52.6	0.0705	53.7	0.0111	10.6	0.20	70.9	7.5	69.2	35.9	12.4	1353.4	70.9	7.5
TI10-04-31	894	2350	1.8	15.3237	16.5	0.0999	17.3	0.0111	5.0	0.29	71.2	3.6	96.7	15.9	782.7	349.5	71.2	3.6
TI10-04-83	1303	40756	2.9	20.3880	15.3	0.0760	15.7	0.0112	3.5	0.22	72.1	2.5	74.4	11.3	150.1	360.6	72.1	2.5
TI10-04-27	407	12383	2.8	18.1888	42.0	0.0856	43.2	0.0113	10.3	0.24	72.4	7.4	83.4	34.6	411.3	978.8	72.4	7.4
TI10-04-96	1095	53360	8.1	20.2398	24.0	0.0770	25.9	0.0113	9.8	0.38	72.5	7.0	75.3	18.8	167.2	568.6	72.5	7.0
TI10-04-59	1056	32878	3.4	20.5734	21.9	0.0759	22.7	0.0113	6.0	0.26	72.6	4.3	74.3	16.3	128.9	520.9	72.6	4.3
TI10-04-5	551	19343	4.1	14.7995	31.2	0.1058	33.2	0.0114	11.5	0.35	72.8	8.3	102.1	32.3	855.4	662.8	72.8	8.3
TI10-04-39	1013	17402	2.8	19.4541	10.4	0.0811	11.5	0.0114	4.7	0.41	73.3	3.5	79.2	8.7	258.9	240.2	73.3	3.5
TI10-04-1	548	9017	3.1	23.7295	54.1	0.0665	55.1	0.0114	10.4	0.19	73.4	7.6	65.4	34.9	-218.0	1457.7	73.4	7.6
TI10-04-4	334	11339	3.0	12.3810	148.6	0.1283	149.3	0.0115	15.1	0.10	73.9	11.1	122.6	174.1	1215.8	459.9	73.9	11.1
TI10-04-10	524	11447	3.2	21.8952	59.1	0.0732	59.7	0.0116	8.8	0.15	74.5	6.5	71.7	41.4	-19.6	1560.0	74.5	6.5
TI10-04-18	748	21283	2.8	20.5977	30.7	0.0783	31.8	0.0117	8.3	0.26	75.0	6.2	76.6	23.5	126.1	738.1	75.0	6.2
TI10-04-72	469	11272	3.9	18.2556	35.7	0.0884	36.6	0.0117	8.2	0.22	75.0	6.1	86.0	30.2	403.1	822.6	75.0	6.1
TI10-04-14	1055	30485	2.4	25.3674	43.6	0.0640	44.3	0.0118	7.7	0.17	75.5	5.8	63.0	27.0	-388.7	1182.1	75.5	5.8
TI10-04-12	1669	71891	5.4	22.4248	14.9	0.0729	15.4	0.0119	4.0	0.26	75.9	3.0	71.4	10.6	-77.8	365.9	75.9	3.0
TI10-04-75	361	10067	3.2	10.5308	114.7	0.1560	116.2	0.0119	18.8	0.16	76.4	14.3	147.2	160.6	1527.3	49.0	76.4	14.3
TI10-04-99	2074	40797	2.0	21.3754	9.3	0.0772	9.6	0.0120	2.4	0.25	76.7	1.8	75.5	7.0	38.1	222.8	76.7	1.8
TI10-04-26	777	63611	4.1	20.7495	28.2	0.0798	28.9	0.0120	6.2	0.22	76.9	4.8	77.9	21.7	108.8	677.6	76.9	4.8
TI10-04-95	742	21041	7.1	21.0671	39.1	0.0798	39.9	0.0122	8.1	0.20	78.1	6.3	77.9	29.9	72.8	961.6	78.1	6.3
TI10-04-94	413	5976	3.4	26.6718	129.5	0.0631	130.6	0.0122	16.9	0.13	78.3	13.1	62.2	78.9	-521.0	0.0	78.3	13.1
TI10-04-65	650	14969	3.5	20.2906	28.5	0.0830	29.9	0.0122	9.2	0.31	78.3	7.1	81.0	23.3	161.3	678.9	78.3	7.1
TI10-04-23	280	5589	3.3	22.1003	56.2	0.0767	57.4	0.0123	11.4	0.20	78.8	9.0	75.0	41.5	-42.2	1477.5	78.8	9.0
TI10-04-58	591	18178	7.2	24.5087	26.1	0.0692	27.1	0.0123	7.1	0.26	78.9	5.6	68.0	17.8	-300.0	677.2	78.9	5.6
TI10-04-63	927	24144	1.4	24.3660	34.1	0.0699	35.2	0.0123	8.8	0.25	79.1	6.9	68.6	23.4	-285.0	891.1	79.1	6.9
TI10-04-77	461	9912	2.4	21.0887	41.0	0.0812	41.9	0.0124	8.8	0.21	79.5	6.9	79.2	32.0	70.4	1013.3	79.5	6.9
TI10-04-51	1403	42358	5.8	22.6451	28.9	0.0764	29.5	0.0125	5.6	0.19	80.4	4.5	74.8	21.2	-101.8	723.7	80.4	4.5
TI10-04-55	576	18591	2.8	29.6619	62.5	0.0619	63.4	0.0133	10.9	0.17	85.3	9.2	61.0	37.6	-814.0	1951.1	85.3	9.2
TI10-04-2	660	12520	3.9	22.0356	32.0	0.0837	32.7	0.0134	6.6	0.20	85.7	5.6	81.6	25.6	-35.1	793.7	85.7	5.6
TI10-04-13	981	30813	5.5	23.3615	51.9	0.0800	52.2	0.0135	5.8	0.11	86.8	5.0	78.1	39.3	-178.9	1379.5	86.8	5.0
TI10-04-81	439	10724	3.2	10.5083	140.1	0.1798	140.9	0.0137	14.6	0.10	87.7	12.7	167.8	221.4	1531.3	187.5	87.7	12.7
TI10-04-97	861	31363	7.2	19.7371	21.5	0.1004	22.3	0.0144	6.2	0.28	92.0	5.6	97.1	20.7	225.7	501.3	92.0	5.6
TI10-04-46	372	25718	2.2	14.9577	82.6	0.1346	83.4	0.0146	11.1	0.13	93.4	10.3	128.2	100.7	833.2	2217.3	93.4	10.3
TI10-04-33	552	23063	7.8	23.9921	59.6	0.0860	60.3	0.0150	9.1	0.15	95.7	8.6	83.7	48.5	-245.8	1645.8	95.7	8.6
TI10-04-6	288	11391	1.7	12.1885	111.9	0.1779	112.8	0.0157	14.2	0.13	100.6	14.2	166.3	174.7	1246.6	218.0	100.6	14.2
TI10-04-79	828	48185	2.2	21.4674	33.6	0.1055	34.0	0.0164	5.3	0.16	105.0	5.5	101.8	33.0	27.9	826.0	105.0	5.5

TI10-04-88	852	4459	1.7	19.1168	25.1	0.1224	25.5	0.0170	4.6	0.18	108.5	5.0	117.2	28.2	299.0	579.7	108.5	5.0
TI10-04-32	465	27227	2.8	21.7588	22.5	0.1767	23.1	0.0279	5.1	0.22	177.3	8.9	165.2	35.2	-4.5	548.4	177.3	8.9
TI10-04-50	304	61132	2.9	21.2320	35.6	0.1834	36.0	0.0282	5.4	0.15	179.6	9.6	171.0	56.7	54.2	873.9	179.6	9.6
TI10-04-87	141	8291	1.7	20.3819	53.3	0.1919	54.6	0.0284	11.9	0.22	180.3	21.1	178.2	89.5	150.9	1340.8	180.3	21.1
TI10-04-30	172	3528	2.8	17.5992	65.7	0.2239	67.3	0.0286	14.6	0.22	181.7	26.1	205.2	125.7	484.6	1640.2	181.7	26.1
TI10-04-60	566	34322	1.9	20.0275	14.5	0.2014	15.4	0.0293	5.0	0.32	185.9	9.1	186.3	26.2	191.8	339.7	185.9	9.1
TI10-04-8	366	13289	2.0	19.5876	29.1	0.2101	30.2	0.0299	7.9	0.26	189.6	14.8	193.7	53.2	243.2	683.6	189.6	14.8
TI10-04-40	196	39107	2.7	16.6982	41.2	0.2585	42.5	0.0313	10.6	0.25	198.7	20.7	233.4	88.9	599.5	929.7	198.7	20.7
TI10-04-70	526	27652	2.0	20.2702	10.6	0.2145	11.1	0.0315	3.5	0.31	200.2	6.9	197.3	20.0	163.7	247.9	200.2	6.9
TI10-04-22	439	57776	3.9	18.3547	12.6	0.2379	12.9	0.0317	2.7	0.21	201.0	5.3	216.7	25.2	391.0	284.5	201.0	5.3
TI10-04-91	193	6871	2.8	23.4225	50.0	0.1874	51.3	0.0318	11.5	0.22	202.0	22.9	174.4	82.4	-185.4	1324.5	202.0	22.9
TI10-04-48	135	14942	1.7	14.8786	18.4	0.5022	19.6	0.0542	6.9	0.35	340.2	23.0	413.2	66.8	844.3	385.2	340.2	23.0
TI10-04-92	272	31525	2.3	17.9718	19.1	0.4279	20.0	0.0558	5.8	0.29	349.9	19.7	361.7	60.9	438.1	429.1	349.9	19.7
TI10-04-38	188	32430	3.0	18.9230	29.4	0.4085	30.4	0.0561	7.7	0.25	351.6	26.4	347.8	89.8	322.2	681.8	351.6	26.4
TI10-04-78	571	20319	3.1	18.3761	10.9	0.4265	11.7	0.0568	4.1	0.35	356.4	14.1	360.7	35.4	388.4	246.1	356.4	14.1
TI10-04-61	273	23111	1.5	20.5441	23.4	0.3880	23.7	0.0578	3.5	0.15	362.3	12.2	332.9	67.3	132.2	557.5	362.3	12.2
TI10-04-41	767	83790	1.8	19.3713	3.6	0.4127	3.8	0.0580	1.5	0.38	363.3	5.2	350.8	11.4	268.7	81.5	363.3	5.2
TI10-04-11	288	31217	1.5	18.6366	14.8	0.4291	15.2	0.0580	3.4	0.22	363.5	11.9	362.6	46.3	356.7	335.4	363.5	11.9
TI10-04-24	296	43408	1.9	17.9102	12.3	0.4472	12.9	0.0581	4.1	0.32	364.0	14.5	375.3	40.6	445.8	273.8	364.0	14.5
TI10-04-28	357	100343	1.7	17.8378	8.0	0.4684	8.4	0.0606	2.7	0.32	379.2	9.9	390.1	27.4	454.7	177.9	379.2	9.9
TI10-04-34	869	30041	0.9	18.2478	3.3	0.5134	3.5	0.0679	1.2	0.34	423.7	4.8	420.7	11.9	404.1	73.0	423.7	4.8
TI10-04-67	221	53559	1.2	14.7579	5.9	1.3908	6.1	0.1489	1.5	0.25	894.6	12.8	885.1	36.3	861.2	123.4	894.6	12.8
TI10-04-44	335	10406	3.4	7.9620	273.9	0.1870	274.5	0.0108	18.7	0.07	69.3	12.9	174.1	470.2	2037.2	412.2	1091.6	94.0
TI10-04-20	128	99706	2.6	12.8803	5.6	2.1449	6.1	0.2004	2.4	0.40	1177.3	26.2	1163.4	42.0	1137.6	110.5	1137.6	110.5
TI10-04-90	235	38687	2.5	12.4699	2.9	2.1942	3.4	0.1984	1.7	0.52	1167.0	18.6	1179.2	23.5	1201.7	56.7	1167.0	18.6
TI10-04-74	84	160754	1.7	9.4049	3.0	4.6313	3.7	0.3159	2.2	0.60	1769.7	34.8	1754.9	31.1	1737.4	54.5	1737.4	54.5
TI10-04-52	72	55245	1.4	9.1915	6.5	4.6946	7.3	0.3130	3.4	0.47	1755.2	52.7	1766.3	61.6	1779.3	118.6	1779.3	118.6
TI10-04-76	437	233632	4.8	8.9575	0.6	5.1467	1.3	0.3344	1.2	0.87	1859.5	18.8	1843.9	11.3	1826.2	11.8	1826.2	11.8
TI10-04-82	184	126405	3.3	8.9222	1.1	5.0012	2.9	0.3236	2.7	0.92	1807.4	42.8	1819.5	24.9	1833.4	20.4	1833.4	20.4
TI10-04-98	168	135989	2.6	8.0987	2.1	6.3416	3.0	0.3725	2.2	0.71	2041.1	37.7	2024.2	26.5	2007.0	37.5	2007.0	37.5
TI10-04-71	195	129867	1.6	8.0970	1.2	6.3087	2.4	0.3705	2.1	0.87	2031.6	36.2	2019.7	20.8	2007.4	20.4	2007.4	20.4
TI10-04-86	116	72657	1.1	6.5141	1.4	9.6338	2.4	0.4551	2.0	0.81	2418.1	39.9	2400.4	22.4	2385.4	24.2	2385.4	24.2
TI10-04-69	356	127470	2.9	5.6194	0.5	10.3724	1.6	0.4227	1.6	0.95	2272.9	29.8	2468.6	15.2	2633.9	8.6	2633.9	8.6

Sample TI10-07, Orca Fm (60.59150, -145.70027)

TI10-7C-117	253	6986	2.5	-2.8425	1102.5	-0.4145	1102.8	0.0085	26.7	0.02	54.9	14.6	-543.6	#NUM!	0.0	350.6	54.9	14.6
TI10-7-13	530	7535	2.7	-16.304	257.5	-0.0769	258.1	0.0091	16.8	0.07	58.3	9.8	-81.2	-221.7	0.0	210.7	58.3	9.8
TI10-7C-703	430	3469	1.9	-17.470	223.2	-0.0731	223.8	0.0093	16.1	0.07	59.4	9.5	-77.1	-181.1	0.0	10.6	59.4	9.5
TI10-7C-34	689	3845	4.0	-11.169	389.6	-0.1167	390.1	0.0095	20.1	0.05	60.7	12.1	-126.0	-579.1	0.0	533.8	60.7	12.1
TI10-7-70	424	6683	2.7	16.5192	75.2	0.0795	76.1	0.0095	11.7	0.15	61.1	7.1	77.7	57.0	622.8	1945.1	61.1	7.1
TI10-7C-762	373	4427	2.3	10.1979	69.5	0.1305	73.5	0.0097	23.9	0.32	61.9	14.7	124.5	86.3	1587.5	1527.2	61.9	14.7
TI10-7-37	607	7964	2.7	5.3407	535.2	0.2505	535.3	0.0097	13.4	0.03	62.2	8.3	227.0	#NUM!	2718.1	606.5	62.2	8.3
TI10-7C-705	483	2394	1.9	26.5957	57.1	0.0504	58.2	0.0097	11.4	0.20	62.3	7.1	49.9	28.4	-513.4	1645.5	62.3	7.1
TI10-7-47	512	10482	2.5	15.0541	107.4	0.0894	109.0	0.0098	18.6	0.17	62.6	11.6	86.9	91.1	819.9	481.3	62.6	11.6
TI10-7A-127	282	3259	2.7	4.0870	551.5	0.3294	552.1	0.0098	25.0	0.05	62.6	15.6	289.1	#NUM!	3150.6	258.3	62.6	15.6
TI10-7-3	550	15423	1.9	15.8323	62.2	0.0860	63.8	0.0099	13.9	0.22	63.4	8.8	83.8	51.3	713.7	1475.6	63.4	8.8
TI10-7C-162	380	5544	2.5	8.5760	195.0	0.1590	195.9	0.0099	18.7	0.10	63.4	11.8	149.8	279.7	1904.8	190.7	63.4	11.8
TI10-7C-761	593	5455	2.5	19.3266	35.4	0.0712	36.5	0.0100	8.9	0.24	64.0	5.7	69.8	24.7	274.0	835.7	64.0	5.7
TI10-7C-714	624	3852	2.4	9.8879	196.2	0.1396	196.4	0.0100	10.0	0.05	64.2	6.4	132.7	249.2	1645.0	388.8	64.2	6.4
TI10-7-57	681	4503	1.7	16.9072	27.5	0.0821	28.4	0.0101	6.9	0.24	64.6	4.4	80.1	21.9	572.5	609.2	64.6	4.4

TI10-7C-1	330	2854	1.8	13.1366	74.3	0.1070	78.1	0.0102	24.0	0.31	65.4	15.6	103.2	76.8	1098.3	1791.5	65.4	15.6
TI10-7b-107	415	7864	2.2	-0.0679	47161	-20.776	47161	0.0102	16.4	0.00	65.6	10.7	#NUM!	#NUM!	0.0	515.5	65.6	10.7
TI10-7-83	479	7463	3.9	21.1106	58.6	0.0672	60.2	0.0103	14.1	0.23	66.0	9.2	66.1	38.5	67.9	1520.9	66.0	9.2
TI10-7-12	641	13643	1.9	-8.3825	683.3	-0.1725	683.4	0.0105	12.7	0.02	67.2	8.5	-192.2	#NUM!	0.0	1269.4	67.2	8.5
TI10-7-65	773	19427	2.7	23.9823	30.7	0.0608	31.3	0.0106	6.1	0.20	67.8	4.1	60.0	18.2	-244.8	790.7	67.8	4.1
TI10-7C-734	356	5457	3.5	22.3079	99.4	0.0658	100.7	0.0106	16.0	0.16	68.2	10.9	64.7	63.2	-65.0		68.2	10.9
TI10-7C-748	366	9020	1.8	20.1341	81.6	0.0738	83.1	0.0108	15.7	0.19	69.1	10.8	72.3	58.0	179.4	2379.0	69.1	10.8
TI10-7-50	736	16126	4.4	24.4319	55.2	0.0612	56.5	0.0108	11.8	0.21	69.5	8.1	60.3	33.1	-291.9	1515.4	69.5	8.1
TI10-7C-702	274	2973	1.8	32.3993	95.8	0.0463	96.6	0.0109	12.6	0.13	69.8	8.7	46.0	43.4	-1072.4	0.0	69.8	8.7
TI10-7-39	441	11964	2.7	8.2035	202.3	0.1865	202.7	0.0111	13.0	0.06	71.1	9.2	173.6	335.1	1984.2	164.9	71.1	9.2
TI10-7C-728	384	3986	1.6	8.1110	243.6	0.1889	244.1	0.0111	15.9	0.07	71.3	11.3	175.7	415.6	2004.3	320.0	71.3	11.3
TI10-7-85	2296	26259	1.3	20.7173	12.5	0.0740	12.8	0.0111	2.8	0.22	71.3	2.0	72.5	9.0	112.5	295.8	71.3	2.0
TI10-7-86	1072	19808	1.9	20.1435	25.3	0.0761	26.7	0.0111	8.5	0.32	71.3	6.1	74.5	19.2	178.3	597.9	71.3	6.1
TI10-7-72	314	7306	2.9	19.7067	83.9	0.0778	85.6	0.0111	16.8	0.20	71.3	11.9	76.1	62.8	229.2	2487.2	71.3	11.9
TI10-7C-752	322	6608	2.9	12.6393	76.8	0.1214	78.9	0.0111	18.3	0.23	71.3	13.0	116.3	87.0	1175.1	1867.2	71.3	13.0
TI10-7-61	952	23716	2.0	24.0870	45.5	0.0637	46.0	0.0111	6.4	0.14	71.3	4.5	62.7	28.0	-255.8	1208.4	71.3	4.5
TI10-7-39	787	26260	2.8	22.0035	43.2	0.0698	44.3	0.0111	9.7	0.22	71.4	6.9	68.5	29.4	-31.6	1094.4	71.4	6.9
TI10-7-93	537	12394	2.2	18.8367	27.1	0.0816	28.1	0.0111	7.6	0.27	71.5	5.4	79.6	21.6	332.5	624.3	71.5	5.4
TI10-7-62	434	5027	7.0	11.5325	91.8	0.1333	92.9	0.0112	14.3	0.15	71.5	10.2	127.1	111.4	1354.1	22.1	71.5	10.2
TI10-7b-36	573	9851	2.7	21.7261	38.5	0.0709	39.9	0.0112	10.7	0.27	71.6	7.6	69.5	26.8	-0.9	958.8	71.6	7.6
TI10-7C-708	333	4458	2.3	27.9853	68.4	0.0554	69.2	0.0112	9.9	0.14	72.0	7.1	54.7	36.9	-651.3	2118.3	72.0	7.1
TI10-7-71	563	13253	2.4	13.1517	144.4	0.1178	145.1	0.0112	13.6	0.09	72.1	9.7	113.1	156.5	1096.0	524.5	72.1	9.7
TI10-7-96	731	10615	4.5	20.8727	30.2	0.0745	31.0	0.0113	6.8	0.22	72.3	4.9	72.9	21.8	94.8	729.9	72.3	4.9
TI10-7-84	1158	10091	7.7	21.1805	13.5	0.0737	14.8	0.0113	6.1	0.41	72.6	4.4	72.2	10.3	60.0	322.7	72.6	4.4
TI10-7C-732	377	2451	3.4	4.9826	475.7	0.3142	476.1	0.0114	18.3	0.04	72.8	13.2	277.4	#NUM!	2831.9	359.8	72.8	13.2
TI10-7-29	375	2393	3.1	13.6979	39.9	0.1145	43.0	0.0114	15.9	0.37	72.9	11.5	110.0	44.8	1014.0	842.8	72.9	11.5
TI10-7-9	737	13635	2.5	25.4123	50.6	0.0617	51.1	0.0114	7.3	0.14	72.9	5.3	60.8	30.2	-393.4	1396.3	72.9	5.3
TI10-7-97	1040	34095	6.4	21.3956	11.9	0.0735	12.2	0.0114	2.9	0.23	73.1	2.1	72.0	8.5	35.9	285.8	73.1	2.1
TI10-7C-722	325	7090	3.1	4.4637	357.7	0.3527	358.2	0.0114	18.7	0.05	73.2	13.6	306.8	1715.5	3009.9	72.5	73.2	13.6
TI10-7C-729	213	1978	4.3	5.8367	200.9	0.2700	203.0	0.0114	29.3	0.14	73.3	21.4	242.7	469.1	2570.7	244.6	73.3	21.4
TI10-7C-738	524	3408	1.8	23.8721	71.2	0.0662	72.8	0.0115	15.2	0.21	73.4	11.1	65.1	45.9	-233.1	2065.2	73.4	11.1
TI10-7C-148	479	3485	1.8	14.9580	26.4	0.1057	26.8	0.0115	4.7	0.18	73.5	3.5	102.1	26.1	833.2	560.0	73.5	3.5
TI10-7-91	466	5577	2.7	21.0132	42.1	0.0753	42.9	0.0115	8.1	0.19	73.6	6.0	73.8	30.5	78.9	1041.9	73.6	6.0
TI10-7-66	1336	5085	6.9	21.6770	9.6	0.0734	10.5	0.0115	4.3	0.41	73.9	3.1	71.9	7.3	4.5	231.6	73.9	3.1
TI10-7-100	1266	34586	2.5	22.3978	22.5	0.0712	23.0	0.0116	4.9	0.21	74.1	3.6	69.8	15.5	-74.8	555.6	74.1	3.6
TI10-7C-712	225	2813	3.2	7.9654	84.0	0.2009	88.1	0.0116	26.8	0.30	74.4	19.8	185.9	150.9	2036.4	437.9	74.4	19.8
TI10-7-41	586	10447	2.7	10.8209	142.2	0.1479	142.7	0.0116	11.2	0.08	74.4	8.3	140.1	188.8	1475.9	237.4	74.4	8.3
TI10-7C-744	547	3519	5.2	17.9897	31.6	0.0891	32.8	0.0116	8.5	0.26	74.5	6.3	86.6	27.2	435.9	721.1	74.5	6.3
TI10-7-94	445	15690	4.7	18.9448	46.4	0.0854	47.8	0.0117	11.5	0.24	75.2	8.6	83.2	38.2	319.6	1111.2	75.2	8.6
TI10-7-34	1029	12488	5.0	25.5962	51.1	0.0633	52.0	0.0118	9.2	0.18	75.3	6.9	62.3	31.4	-412.2	1418.8	75.3	6.9
TI10-7A-69	369	5210	2.3	12.0848	93.2	0.1342	94.2	0.0118	13.7	0.15	75.4	10.2	127.8	113.6	1263.3	88.5	75.4	10.2
TI10-7-68	634	13289	3.4	17.1861	28.6	0.0945	30.4	0.0118	10.4	0.34	75.5	7.8	91.6	26.7	536.8	637.4	75.5	7.8
TI10-7-25	3104	110627	15.6	20.8522	7.1	0.0780	7.5	0.0118	2.6	0.35	75.6	2.0	76.3	5.5	97.1	167.4	75.6	2.0
TI10-7-95	648	19759	3.3	-0.3190	13203.	-5.1031	13203.	0.0118	11.7	0.00	75.7	8.8	#NUM!	#NUM!	0.0	958.8	75.7	8.8
TI10-7C-721	233	4560	3.5	11.3256	80.1	0.1438	81.0	0.0118	12.5	0.15	75.7	9.4	136.4	103.8	1388.9	1956.2	75.7	9.4
TI10-7C-74	583	6091	2.7	20.5329	33.9	0.0793	34.8	0.0118	8.0	0.23	75.7	6.1	77.5	26.0	133.5	817.6	75.7	6.1
TI10-7-63	1188	2736	3.1	19.9647	12.8	0.0819	13.3	0.0119	3.6	0.27	76.0	2.7	80.0	10.2	199.1	297.8	76.0	2.7
TI10-7C-723	505	8515	2.5	23.9124	72.8	0.0685	73.2	0.0119	7.9	0.11	76.1	6.0	67.3	47.7	-237.4	2131.1	76.1	6.0
TI10-7C-707	723	4849	1.6	14.3976	92.0	0.1138	93.1	0.0119	14.1	0.15	76.2	10.6	109.5	96.9	912.3	309.0	76.2	10.6
TI10-7C-763	1836	6498	2.1	17.1046	19.6	0.0958	20.3	0.0119	5.1	0.25	76.2	3.9	92.9	18.0	547.2	432.5	76.2	3.9

TI10-7-80	332	7077	2.9	14.9066	92.8	0.1101	93.6	0.0119	12.1	0.13	76.3	9.1	106.0	94.5	840.4	362.8	76.3	9.1
TI10-7-92	1052	54637	1.8	26.3572	43.1	0.0623	43.8	0.0119	7.5	0.17	76.3	5.7	61.3	26.1	-489.4	1192.3	76.3	5.7
TI10-7-49	418	4503	2.3	20.1640	33.4	0.0815	34.5	0.0119	8.4	0.24	76.3	6.3	79.5	26.4	176.0	800.1	76.3	6.3
TI10-7C-746	619	1765	2.4	20.7955	27.2	0.0790	27.6	0.0119	4.5	0.16	76.4	3.4	77.2	20.5	103.6	653.7	76.4	3.4
TI10-7-36	1193	19074	5.4	21.2665	23.2	0.0774	23.7	0.0119	4.8	0.20	76.5	3.7	75.7	17.3	50.3	560.7	76.5	3.7
TI10-7-60	347	5717	3.7	20.3154	88.6	0.0813	89.8	0.0120	14.7	0.16	76.8	11.2	79.4	68.7	158.5	2819.2	76.8	11.2
TI10-7A-106	411	1831	1.9	14.7468	26.3	0.1122	30.4	0.0120	15.4	0.50	76.9	11.8	108.0	31.2	862.8	554.4	76.9	11.8
TI10-7C-77	245	3974	1.8	9.4671	128.0	0.1755	129.2	0.0121	17.8	0.14	77.2	13.7	164.2	198.4	1725.3	7.4	77.2	13.7
TI10-7A-72	441	4959	3.4	18.2157	34.0	0.0912	36.2	0.0121	12.6	0.35	77.2	9.7	88.6	30.8	408.0	780.4	77.2	9.7
TI10-7C-742	754	2823	2.3	17.2040	30.4	0.0971	32.1	0.0121	10.2	0.32	77.7	7.9	94.1	28.8	534.5	680.0	77.7	7.9
TI10-7-33	688	13955	2.3	34.1524	78.5	0.0490	78.8	0.0121	7.3	0.09	77.7	5.6	48.5	37.4	-1234.1	1089.8	77.7	5.6
TI10-7-40	558	11847	2.2	19.6367	34.1	0.0852	34.8	0.0121	6.5	0.19	77.7	5.1	83.0	27.7	237.5	808.4	77.7	5.1
TI10-7A-102	269	3100	3.4	12.5766	36.3	0.1334	41.7	0.0122	20.6	0.49	78.0	15.9	127.2	49.9	1185.0	741.8	78.0	15.9
TI10-7C-18	424	1957	2.2	19.4125	98.0	0.0866	99.7	0.0122	18.6	0.19	78.1	14.4	84.3	80.8	263.8	#VALU	78.1	14.4
TI10-7-75	763	10846	6.5	28.4786	44.7	0.0591	45.2	0.0122	7.0	0.15	78.2	5.4	58.3	25.6	-699.6	1294.5	78.2	5.4
TI10-7-79	506	27645	4.8	23.5766	65.7	0.0715	67.1	0.0122	13.6	0.20	78.3	10.6	70.1	45.5	-201.8	1844.6	78.3	10.6
TI10-7A-18	340	10917	3.2	20.6782	69.0	0.0817	72.3	0.0122	21.8	0.30	78.5	17.0	79.7	55.5	116.9	1858.6	78.5	17.0
TI10-7-4	423	9549	2.0	14.3440	66.4	0.1184	67.1	0.0123	9.6	0.14	78.9	7.5	113.6	72.3	920.0	1559.8	78.9	7.5
TI10-7b-149	276	7318	3.0	5.8257	237.1	0.2924	237.8	0.0124	17.2	0.07	79.1	13.5	260.4	610.4	2573.8	118.5	79.1	13.5
TI10-7-22	1969	13535	6.5	20.4079	8.8	0.0839	9.5	0.0124	3.7	0.39	79.6	2.9	81.8	7.5	147.9	205.7	79.6	2.9
TI10-7-69	688	16547	4.6	26.3137	61.5	0.0660	62.3	0.0126	9.5	0.15	80.7	7.6	64.9	39.2	-485.0	1790.6	80.7	7.6
TI10-7C-701	503	1379	1.8	14.5413	28.8	0.1204	30.9	0.0127	11.4	0.37	81.3	9.2	115.4	33.8	891.8	606.2	81.3	9.2
TI10-7-21	606	19972	2.7	22.6974	23.7	0.0788	24.6	0.0130	6.5	0.26	83.1	5.4	77.0	18.3	-107.4	591.3	83.1	5.4
TI10-7-26	855	52967	1.8	21.0572	60.0	0.0854	60.4	0.0130	7.1	0.12	83.5	5.9	83.2	48.3	73.9	1564.6	83.5	5.9
TI10-7-76	447	26991	4.6	1.3262	2492.2	1.3625	2492.2	0.0131	10.7	0.00	83.9	8.9	872.9	#NUM!	0.0	627.4	83.9	8.9
TI10-7C-753	660	2394	2.8	18.7253	41.2	0.0973	42.5	0.0132	10.4	0.24	84.6	8.7	94.3	38.3	346.0	970.3	84.6	8.7
TI10-7-48	802	21475	2.3	22.0064	36.0	0.0830	36.4	0.0133	5.3	0.15	84.9	4.5	81.0	28.3	-31.9	898.5	84.9	4.5
TI10-7-87	814	39876	2.6	21.5368	28.1	0.0849	28.8	0.0133	6.4	0.22	84.9	5.4	82.7	22.9	20.1	686.8	84.9	5.4
TI10-7-23	441	9703	3.3	33.9033	78.2	0.0539	78.8	0.0133	10.2	0.13	84.9	8.6	53.3	41.0	-1211.3	1082.9	84.9	8.6
TI10-7C-755	691	3431	4.0	20.1631	40.7	0.0914	41.6	0.0134	8.5	0.20	85.6	7.2	88.8	35.4	176.1	986.5	85.6	7.2
TI10-7-28	529	2962	5.7	17.5200	28.2	0.1065	29.5	0.0135	8.8	0.30	86.7	7.5	102.8	28.9	494.5	632.8	86.7	7.5
TI10-7A-73	318	2748	3.8	27.0478	32.0	0.0695	32.9	0.0136	7.7	0.23	87.4	6.6	68.3	21.7	-558.6	881.1	87.4	6.6
TI10-7C-730	724	2417	4.3	20.8498	37.3	0.0912	38.1	0.0138	7.9	0.21	88.3	6.9	88.7	32.4	97.4	910.2	88.3	6.9
TI10-7C-724	655	3722	3.3	18.9359	27.5	0.1005	28.2	0.0138	6.5	0.23	88.4	5.7	97.3	26.2	320.6	634.8	88.4	5.7
TI10-7C-756	641	11706	3.0	18.1625	35.5	0.1051	36.8	0.0139	9.7	0.26	88.7	8.6	101.5	35.6	414.6	817.6	88.7	8.6
TI10-7-59	1537	45147	4.9	22.2166	25.7	0.0862	26.0	0.0139	3.8	0.15	88.9	3.3	83.9	20.9	-55.0	635.5	88.9	3.3
TI10-7-31	654	14033	5.8	25.2702	52.0	0.0762	52.6	0.0140	8.4	0.16	89.4	7.4	74.6	37.9	-378.8	1435.6	89.4	7.4
TI10-7-77	1121	5560	9.7	23.0565	28.0	0.0838	28.5	0.0140	5.2	0.18	89.7	4.6	81.7	22.4	-146.2	706.7	89.7	4.6
TI10-7C-731	638	1730	3.4	25.1162	65.5	0.0779	66.4	0.0142	11.3	0.17	90.8	10.2	76.2	48.8	-362.9	1890.3	90.8	10.2
TI10-7-45	662	13756	8.5	24.5691	44.5	0.0801	45.0	0.0143	6.9	0.15	91.3	6.2	78.2	33.9	-306.2	1189.6	91.3	6.2
TI10-7-35	455	12745	7.0	18.8769	137.5	0.1047	138.0	0.0143	12.3	0.09	91.8	11.2	101.1	133.6	327.7	1091.5	91.8	11.2
TI10-7-74	835	30097	4.0	19.7927	15.6	0.1007	16.6	0.0145	5.7	0.34	92.5	5.2	97.4	15.5	219.2	363.8	92.5	5.2
TI10-7-2	467	16980	7.2	19.6870	52.4	0.1014	53.8	0.0145	12.0	0.22	92.6	11.0	98.0	50.3	231.5	1295.5	92.6	11.0
TI10-7b-77	266	4539	6.1	10.8727	217.2	0.1863	217.6	0.0147	13.9	0.06	94.0	12.9	173.4	361.5	1466.8	632.4	94.0	12.9
TI10-7C-706	255	5358	4.0	3.3386	444.2	0.6114	444.7	0.0148	22.7	0.05	94.7	21.3	484.5	#NUM!	3467.7	207.0	94.7	21.3
TI10-7A-70	192	4071	4.2	5.7173	292.1	0.3573	292.9	0.0148	22.6	0.08	94.8	21.3	310.2	1038.8	2605.2	38.3	94.8	21.3
TI10-7C-726	426	1464	1.8	13.1912	33.3	0.1557	37.5	0.0149	17.2	0.46	95.3	16.3	147.0	51.3	1090.0	685.4	95.3	16.3
TI10-7-56	364	1684	7.1	16.0314	52.2	0.1315	54.9	0.0153	16.9	0.31	97.8	16.4	125.4	64.8	687.1	1196.0	97.8	16.4
TI10-7C-720	238	1425	4.4	5.1153	290.3	0.4191	290.9	0.0155	18.8	0.06	99.5	18.5	355.4	1309.9	2788.9	99.4	99.5	18.5
TI10-7C-135	451	2217	10.0	19.4552	46.2	0.1113	47.1	0.0157	9.3	0.20	100.4	9.2	107.1	47.9	258.8	1116.6	100.4	9.2

TI10-7b-131	180	4089	1.9	12.7999	224.0	0.1709	225.2	0.0159	22.9	0.10	101.5	23.0	160.2	346.6	1150.1	944.3	101.5	23.0
TI10-7C-754	215	3272	2.8	9.9077	83.9	0.2494	87.2	0.0179	23.7	0.27	114.5	26.9	226.1	178.6	1641.3	203.5	114.5	26.9
TI10-7C-736	221	1055	2.3	5.9051	125.7	0.4197	128.3	0.0180	25.6	0.20	114.9	29.1	355.9	405.3	2551.2	534.7	114.9	29.1
TI10-7C-709	127	2903	1.9	6.0908	287.4	0.5459	288.0	0.0241	18.1	0.06	153.6	27.5	442.3	#NUM!	2499.2	101.9	153.6	27.5
TI10-7-82	480	24744	5.1	20.8951	35.8	0.1630	36.3	0.0247	6.2	0.17	157.3	9.6	153.3	51.7	92.2	872.1	157.3	9.6
TI10-7C-141	208	2415	2.5	13.9727	50.2	0.2550	52.4	0.0258	14.8	0.28	164.5	24.0	230.7	108.4	973.7	1096.0	164.5	24.0
TI10-7A-61	99	12820	2.3	11.0311	110.9	0.3290	113.0	0.0263	21.8	0.19	167.5	36.0	288.8	291.9	1439.3	84.2	167.5	36.0
TI10-7C-727	454	12861	1.9	21.4436	22.0	0.1814	22.3	0.0282	3.5	0.16	179.3	6.2	169.2	34.8	30.5	533.0	179.3	6.2
TI10-7-15	424	36223	1.5	20.2595	23.1	0.1945	23.9	0.0286	6.2	0.26	181.6	11.0	180.4	39.5	164.9	545.8	181.6	11.0
TI10-7-88	364	20733	2.4	18.7237	16.3	0.2133	16.9	0.0290	4.3	0.25	184.1	7.8	196.3	30.2	346.2	371.9	184.1	7.8
TI10-7-64	419	28209	1.9	18.6367	13.7	0.2189	14.6	0.0296	5.1	0.35	188.0	9.4	201.0	26.6	356.7	310.2	188.0	9.4
TI10-7C-760	352	9485	2.5	17.5320	31.9	0.2361	33.9	0.0300	11.3	0.33	190.7	21.2	215.2	65.7	493.0	720.6	190.7	21.2
TI10-7-42	335	8170	2.4	20.6602	20.9	0.2034	22.2	0.0305	7.3	0.33	193.5	13.9	188.0	38.1	119.0	498.4	193.5	13.9
TI10-7C-104	240	4808	1.9	17.3232	23.9	0.2490	25.4	0.0313	8.6	0.34	198.6	16.9	225.8	51.5	519.4	531.9	198.6	16.9
TI10-7-54	605	61963	3.1	20.5885	19.0	0.2105	19.5	0.0314	4.1	0.21	199.5	8.0	194.0	34.4	127.2	451.4	199.5	8.0
TI10-7b-48	240	14735	3.0	19.8292	32.9	0.2212	33.9	0.0318	8.1	0.24	201.9	16.1	202.9	62.4	214.9	780.8	201.9	16.1
TI10-7b-21	234	8830	2.8	-4.8476	1102.5	-0.9256	1102.6	0.0325	14.7	0.01	206.4	29.9	-2638.4	#NUM!	0.0	1256.2	206.4	29.9
TI10-7b-122	225	19604	2.0	14.6022	26.8	0.3119	29.6	0.0330	12.4	0.42	209.5	25.6	275.7	71.5	883.2	564.3	209.5	25.6
TI10-7C-733	138	2191	2.4	17.0902	31.4	0.2671	34.0	0.0331	13.1	0.39	209.9	27.1	240.3	73.0	549.1	701.7	209.9	27.1
TI10-7-30	307	4056	3.6	19.4878	33.7	0.2604	34.9	0.0368	8.9	0.26	233.0	20.4	235.0	73.3	255.0	795.7	233.0	20.4
TI10-7-16	251	22297	3.0	20.1759	24.1	0.3510	25.1	0.0514	6.9	0.27	322.9	21.6	305.5	66.2	174.6	569.2	322.9	21.6
TI10-7C-739	160	6652	3.4	18.9342	37.4	0.3882	38.1	0.0533	7.7	0.20	334.8	25.3	333.1	108.7	320.9	876.7	334.8	25.3
TI10-7C-758	311	15112	1.8	19.7985	18.3	0.3943	18.8	0.0566	4.5	0.24	355.0	15.7	337.5	54.1	218.5	426.0	355.0	15.7
TI10-7-20	173	16378	1.6	18.6508	23.5	0.4213	24.2	0.0570	5.9	0.24	357.3	20.5	357.0	73.0	355.0	537.1	357.3	20.5
TI10-7C-17	353	9274	1.1	18.4921	15.9	0.4255	16.3	0.0571	3.6	0.22	357.8	12.6	360.0	49.5	374.2	360.3	357.8	12.6
TI10-7-10	845	76482	2.9	18.3647	5.6	0.4423	5.8	0.0589	1.5	0.25	369.0	5.2	371.9	17.9	389.8	125.0	369.0	5.2
TI10-7-38	332	17928	1.7	20.2688	26.2	0.4030	26.9	0.0592	5.9	0.22	371.0	21.3	343.8	78.6	163.9	622.9	371.0	21.3
TI10-7-58	470	11102	3.1	18.5605	9.2	0.4658	9.4	0.0627	2.2	0.24	392.0	8.5	388.3	30.4	365.9	206.9	392.0	8.5
TI10-7-90	345	19147	3.4	19.3167	9.9	0.4702	10.4	0.0659	3.2	0.31	411.2	12.8	391.3	33.8	275.2	226.8	411.2	12.8
TI10-7-73	225	7706	3.0	18.9651	19.7	0.4980	20.3	0.0685	4.8	0.24	427.1	19.8	410.3	68.5	317.1	451.8	427.1	19.8
TI10-7-99	304	16562	1.0	17.2177	8.0	0.6803	8.4	0.0849	2.4	0.29	525.6	12.3	526.9	34.6	532.8	176.5	525.6	12.3
TI10-7-1	118	69044	2.4	9.2286	5.3	3.5607	15.0	0.2383	14.0	0.94	1378.0	174.3	1540.8	119.5	1772.0	96.5	1772.0	96.5
TI10-7-46	129	127855	0.7	8.5945	1.8	5.5411	2.2	0.3454	1.3	0.59	1912.6	21.9	1907.0	19.2	1900.9	32.3	1900.9	32.3
TI10-7-17	90	54931	1.7	8.3996	4.6	5.7148	4.8	0.3481	1.7	0.34	1925.7	27.6	1933.6	41.9	1942.0	81.5	1942.0	81.5
TI10-7C-741	91	102521	1.4	5.7779	1.7	11.7333	3.3	0.4917	2.8	0.86	2578.0	60.5	2583.4	31.0	2587.6	28.4	2587.6	28.4
TI10-7-18	159	150723	3.2	5.7338	1.1	11.2364	2.3	0.4673	2.0	0.88	2471.6	41.0	2542.9	21.1	2600.3	17.9	2600.3	17.9
TI10-7-5	77	93002	2.6	5.6979	1.8	12.0861	2.5	0.4995	1.7	0.68	2611.5	36.1	2611.1	23.3	2610.8	30.5	2610.8	30.5

Sample JG10-02, Valdez Fm (61.31677, -145.29742)

JG10-02PC-14	226	5333	2.2	21.6526	24.9	0.0587	25.2	0.0092	3.9	0.15	59.1	2.3	57.9	14.2	7.2	606.8	59.1	2.3
JG10-02Y-15	286	9712	1.5	19.8532	14.7	0.0673	15.0	0.0097	2.9	0.19	62.2	1.8	66.2	9.6	212.1	342.4	62.2	1.8
JG10-02Y-38	1730	2046	1.4	20.0864	6.1	0.0666	6.3	0.0097	1.5	0.23	62.3	0.9	65.5	4.0	184.9	142.8	62.3	0.9
JG10-02Y-43	689	17601	5.2	21.5933	4.8	0.0622	5.3	0.0097	2.1	0.41	62.5	1.3	61.3	3.1	13.8	115.4	62.5	1.3
JG10-02Y-49	988	41152	4.4	21.4653	3.2	0.0627	3.6	0.0098	1.7	0.48	62.6	1.1	61.7	2.2	28.1	76.3	62.6	1.1
JG10-02Y-8	467	45782	7.3	19.6294	3.9	0.0690	4.6	0.0098	2.5	0.53	63.0	1.5	67.7	3.0	238.3	89.8	63.0	1.5
JG10-02Y-40	959	866	2.3	19.2866	16.8	0.0705	16.9	0.0099	1.6	0.09	63.3	1.0	69.2	11.3	278.8	386.5	63.3	1.0
JG10-02Y-53	840	25522	5.9	21.3890	6.4	0.0638	6.6	0.0099	1.6	0.24	63.5	1.0	62.8	4.0	36.6	152.7	63.5	1.0
JG10-02Y-68	627	2032	4.7	19.5508	10.5	0.0700	11.0	0.0099	3.4	0.31	63.7	2.2	68.7	7.3	247.5	241.5	63.7	2.2
JG10-02Y-6	754	20651	1.8	19.8568	8.9	0.0690	9.2	0.0099	2.4	0.26	63.8	1.5	67.8	6.1	211.6	206.8	63.8	1.5
JG10-02Y-1	267	4875	1.7	19.7180	12.4	0.0702	13.9	0.0100	6.3	0.45	64.4	4.0	68.9	9.3	227.9	287.2	64.4	4.0

JG10-02Y-26	750	2683	7.0	20.3762	12.7	0.0681	12.9	0.0101	2.3	0.18	64.5	1.5	66.9	8.3	151.5	297.6	64.5	1.5
JG10-02Y-83	719	41489	3.3	21.4537	6.4	0.0648	6.5	0.0101	1.5	0.22	64.7	0.9	63.8	4.0	29.4	152.9	64.7	0.9
JG10-02PC-9	210	6993	1.5	22.3404	29.5	0.0624	30.2	0.0101	6.4	0.21	64.9	4.1	61.5	18.0	-68.6	733.9	64.9	4.1
JG10-02Y-71	294	14221	5.0	21.3518	11.0	0.0654	11.9	0.0101	4.5	0.38	65.0	2.9	64.3	7.4	40.8	264.3	65.0	2.9
JG10-02PC-7	652	17738	9.7	20.8271	7.7	0.0673	8.0	0.0102	2.2	0.27	65.2	1.4	66.1	5.1	100.0	181.3	65.2	1.4
JG10-02PC-3	988	27133	3.5	21.2598	6.8	0.0660	7.0	0.0102	1.6	0.23	65.3	1.1	64.9	4.4	51.1	162.8	65.3	1.1
JG10-02Y-42	902	28720	3.2	20.3681	5.3	0.0692	6.1	0.0102	3.0	0.49	65.5	2.0	67.9	4.0	152.5	123.8	65.5	2.0
JG10-02Y-9	1738	89494	5.1	21.3122	2.5	0.0661	3.1	0.0102	1.8	0.58	65.5	1.2	65.0	1.9	45.2	59.9	65.5	1.2
JG10-02Y-57	837	20693	4.3	20.8845	3.2	0.0680	3.5	0.0103	1.4	0.40	66.1	0.9	66.8	2.3	93.4	76.3	66.1	0.9
JG10-02Y-74	460	2385	2.4	20.3121	5.7	0.0703	6.3	0.0104	2.6	0.41	66.4	1.7	68.9	4.2	158.9	134.3	66.4	1.7
JG10-02Y-85	540	9358	6.0	20.3454	9.7	0.0704	10.0	0.0104	2.7	0.27	66.7	1.8	69.1	6.7	155.1	226.7	66.7	1.8
JG10-02Y-79	669	30565	7.4	21.0588	6.1	0.0683	7.0	0.0104	3.5	0.50	66.9	2.3	67.0	4.6	73.7	144.2	66.9	2.3
JG10-02Y-12	1209	51667	2.1	20.8655	3.6	0.0691	3.8	0.0105	1.4	0.36	67.1	0.9	67.9	2.5	95.6	84.9	67.1	0.9
JG10-02Y-51	1302	51581	3.4	21.6591	3.6	0.0668	5.1	0.0105	3.6	0.71	67.2	2.4	65.6	3.2	6.5	86.4	67.2	2.4
JG10-02Y-3	478	21819	3.5	20.7235	9.7	0.0702	10.2	0.0105	3.2	0.32	67.6	2.2	68.9	6.8	111.7	229.1	67.6	2.2
JG10-02Y-81	505	32517	4.4	21.8818	8.7	0.0668	9.0	0.0106	2.5	0.27	68.0	1.7	65.7	5.8	-18.2	210.9	68.0	1.7
JG10-02PC-42	1221	59912	4.6	21.5179	3.1	0.0680	4.1	0.0106	2.7	0.66	68.0	1.8	66.8	2.7	22.2	74.1	68.0	1.8
JG10-02Y-60	900	41024	1.3	21.1049	4.3	0.0699	4.6	0.0107	1.8	0.39	68.6	1.2	68.6	3.1	68.5	101.7	68.6	1.2
JG10-02Y-75	766	1784	2.8	20.2182	7.6	0.0730	8.0	0.0107	2.6	0.33	68.6	1.8	71.5	5.5	169.7	177.3	68.6	1.8
JG10-02PC-26	221	6372	2.6	21.7565	19.1	0.0679	20.0	0.0107	6.0	0.30	68.7	4.1	66.7	12.9	-4.3	464.9	68.7	4.1
JG10-02PC-37	754	12260	1.6	20.9113	6.9	0.0708	7.1	0.0107	1.8	0.25	68.8	1.2	69.5	4.8	90.4	164.0	68.8	1.2
JG10-02Y-36	630	2952	4.8	21.4558	12.5	0.0696	15.2	0.0108	8.6	0.57	69.4	6.0	68.3	10.1	29.2	301.8	69.4	6.0
JG10-02PC-22	135	6027	1.5	21.9209	21.7	0.0682	23.4	0.0108	8.8	0.38	69.6	6.1	67.0	15.2	-22.5	530.7	69.6	6.1
JG10-02Y-2	207	6646	4.2	25.2737	28.1	0.0594	28.3	0.0109	3.5	0.12	69.8	2.4	58.6	16.1	-379.1	742.5	69.8	2.4
JG10-02PC-32	2336	2152	1.9	19.9815	8.5	0.0752	8.8	0.0109	2.5	0.28	69.9	1.7	73.6	6.3	197.2	197.2	69.9	1.7
JG10-02Y-58	985	23070	3.8	21.1033	8.5	0.0719	8.8	0.0110	2.0	0.22	70.5	1.4	70.5	6.0	68.7	203.6	70.5	1.4
JG10-02Y-34	364	4175	3.5	19.4721	12.8	0.0782	13.0	0.0110	2.3	0.18	70.8	1.6	76.4	9.6	256.8	295.4	70.8	1.6
JG10-02Y-33	591	2622	3.1	21.0252	6.2	0.0725	6.6	0.0111	2.4	0.36	70.9	1.7	71.0	4.6	77.5	147.4	70.9	1.7
JG10-02Y-48	469	10516	2.6	21.9605	6.3	0.0695	6.6	0.0111	1.9	0.30	70.9	1.4	68.2	4.3	-26.8	152.3	70.9	1.4
JG10-02Y-25	695	65933	2.4	21.4360	5.8	0.0713	6.0	0.0111	1.4	0.24	71.0	1.0	69.9	4.0	31.4	138.7	71.0	1.0
JG10-02PC-44	342	6657	3.1	27.0858	17.2	0.0565	17.2	0.0111	1.7	0.10	71.2	1.2	55.8	9.4	-562.4	465.8	71.2	1.2
JG10-02PC-24	441	47473	2.3	21.2165	8.4	0.0726	8.7	0.0112	1.9	0.22	71.6	1.4	71.2	5.9	56.0	201.3	71.6	1.4
JG10-02Y-13	857	80811	4.6	21.8891	5.1	0.0705	5.4	0.0112	1.9	0.35	71.7	1.4	69.2	3.6	-19.0	122.8	71.7	1.4
JG10-02Y-28	156	654	2.0	15.9758	23.3	0.0967	24.3	0.0112	6.8	0.28	71.8	4.9	93.7	21.7	694.5	503.2	71.8	4.9
JG10-02Y-55	792	48091	4.9	20.3885	5.0	0.0758	6.6	0.0112	4.3	0.66	71.8	3.1	74.2	4.7	150.1	116.7	71.8	3.1
JG10-02Y-35	504	7624	4.9	20.7686	13.3	0.0745	13.6	0.0112	2.8	0.21	72.0	2.0	73.0	9.6	106.6	314.9	72.0	2.0
JG10-02Y-37	730	5823	2.2	20.6857	7.6	0.0750	7.7	0.0112	1.5	0.19	72.1	1.0	73.4	5.5	116.1	179.5	72.1	1.0
JG10-02Y-5	661	16522	6.5	21.4153	6.7	0.0728	7.0	0.0113	2.3	0.33	72.5	1.7	71.4	4.9	33.7	159.7	72.5	1.7
JG10-02Y-84	1528	76556	3.2	21.0648	2.3	0.0744	2.9	0.0114	1.9	0.64	72.8	1.4	72.9	2.1	73.1	53.6	72.8	1.4
JG10-02Y-10	229	10405	1.9	23.4246	25.7	0.0673	26.0	0.0114	3.7	0.14	73.3	2.7	66.2	16.6	-185.6	650.9	73.3	2.7
JG10-02Y-17	524	29678	4.4	19.5728	7.0	0.0808	7.7	0.0115	3.1	0.41	73.5	2.3	78.9	5.8	244.9	161.7	73.5	2.3
JG10-02PC-28	1554	53742	4.4	20.9375	2.4	0.0755	3.0	0.0115	1.8	0.61	73.5	1.3	73.9	2.2	87.5	57.0	73.5	1.3
JG10-02Y-27	771	39063	7.9	21.1414	5.0	0.0752	5.7	0.0115	2.7	0.47	73.9	2.0	73.6	4.0	64.4	119.8	73.9	2.0
JG10-02Y-16	710	29011	2.6	20.9452	4.4	0.0760	4.7	0.0115	1.6	0.34	74.0	1.2	74.4	3.4	86.6	105.1	74.0	1.2
JG10-02Y-80	680	39744	7.4	20.9656	4.8	0.0760	5.3	0.0116	2.3	0.42	74.1	1.7	74.4	3.8	84.3	114.6	74.1	1.7
JG10-02Y-19	222	16098	2.0	23.0461	14.8	0.0693	15.1	0.0116	2.6	0.17	74.2	1.9	68.0	9.9	-145.1	369.6	74.2	1.9
JG10-02Y-41	1018	52742	5.1	20.8323	4.2	0.0769	4.6	0.0116	2.0	0.44	74.5	1.5	75.2	3.4	99.4	98.8	74.5	1.5
JG10-02Y-56	495	46142	5.7	21.3472	11.2	0.0757	11.7	0.0117	3.5	0.30	75.1	2.6	74.1	8.3	41.3	267.6	75.1	2.6
JG10-02Y-61	673	12655	3.3	21.7936	6.9	0.0741	7.6	0.0117	3.1	0.41	75.1	2.3	72.6	5.3	-8.4	167.2	75.1	2.3
JG10-02PC-18	2475	63871	8.1	20.9549	1.7	0.0773	2.3	0.0118	1.6	0.69	75.3	1.2	75.6	1.7	85.5	39.2	75.3	1.2

JG10-02PC-27	547	23806	4.6	21.0040	5.1	0.0773	5.4	0.0118	1.7	0.31	75.4	1.3	75.6	3.9	79.9	122.2	75.4	1.3
JG10-02PC-11	357	30169	2.0	20.5397	8.4	0.0790	8.5	0.0118	1.4	0.16	75.4	1.0	77.2	6.3	132.7	197.6	75.4	1.0
JG10-02Y-39	298	1910	4.8	19.2501	21.0	0.0846	22.0	0.0118	6.6	0.30	75.7	5.0	82.5	17.4	283.1	484.1	75.7	5.0
JG10-02Y-11	178	2146	1.3	19.5124	21.7	0.0835	22.2	0.0118	4.6	0.21	75.8	3.5	81.5	17.4	252.1	504.6	75.8	3.5
JG10-02Y-30	1355	44207	3.7	20.4827	3.8	0.0797	4.1	0.0118	1.5	0.37	75.9	1.1	77.9	3.0	139.3	88.5	75.9	1.1
JG10-02PC-46	251	12903	1.8	21.3649	11.7	0.0765	11.9	0.0119	2.3	0.19	76.0	1.7	74.8	8.6	39.3	281.4	76.0	1.7
JG10-02Y-14	642	19893	3.4	21.1459	3.3	0.0773	3.9	0.0119	2.1	0.53	76.0	1.6	75.6	2.8	63.9	77.9	76.0	1.6
JG10-02Y-22	698	20255	2.1	21.0969	4.1	0.0779	4.3	0.0119	1.4	0.32	76.3	1.0	76.1	3.1	69.4	96.7	76.3	1.0
JG10-02Y-24	316	19895	2.2	20.1790	8.5	0.0815	8.9	0.0119	2.5	0.28	76.4	1.9	79.5	6.8	174.2	198.7	76.4	1.9
JG10-02Y-31	2479	122264	4.2	20.7843	1.5	0.0796	2.3	0.0120	1.8	0.75	76.9	1.3	77.8	1.7	104.8	36.1	76.9	1.3
JG10-02PC-36	204	10300	2.9	21.3263	22.0	0.0776	22.3	0.0120	4.0	0.18	76.9	3.0	75.9	16.3	43.6	531.1	76.9	3.0
JG10-02PC-21	178	13349	2.0	19.3352	17.5	0.0859	18.3	0.0120	5.3	0.29	77.2	4.1	83.7	14.7	273.0	403.5	77.2	4.1
JG10-02PC-41	286	9289	2.7	21.9484	15.2	0.0757	15.4	0.0120	2.8	0.18	77.2	2.2	74.1	11.0	-25.5	369.6	77.2	2.2
JG10-02Y-23	1173	20011	3.7	20.0550	3.4	0.0829	4.1	0.0121	2.3	0.57	77.3	1.8	80.9	3.2	188.6	78.3	77.3	1.8
JG10-02Y-45	260	2374	1.0	20.5828	13.8	0.0808	14.1	0.0121	2.7	0.19	77.3	2.1	78.9	10.7	127.8	327.0	77.3	2.1
JG10-02PC-6	588	17321	2.5	19.5924	6.3	0.0852	8.6	0.0121	5.9	0.68	77.5	4.5	83.0	6.8	242.6	144.8	77.5	4.5
JG10-02PC-39	236	13739	2.1	24.0227	20.0	0.0697	20.3	0.0121	3.2	0.16	77.8	2.5	68.4	13.4	-249.0	511.4	77.8	2.5
JG10-02Y-32	1775	51169	4.3	20.6615	3.1	0.0820	3.8	0.0123	2.2	0.59	78.7	1.7	80.0	2.9	118.8	72.2	78.7	1.7
JG10-02Y-29	1348	11952	3.4	20.2217	4.4	0.0841	4.6	0.0123	1.0	0.22	79.0	0.8	82.0	3.6	169.3	103.7	79.0	0.8
JG10-02Y-88	323	7727	2.0	19.9630	11.7	0.0854	13.2	0.0124	6.2	0.47	79.2	4.9	83.2	10.6	199.3	272.0	79.2	4.9
JG10-02PC-5	981	35315	3.6	21.3004	3.6	0.0810	4.1	0.0125	2.1	0.50	80.1	1.6	79.1	3.1	46.6	85.5	80.1	1.6
JG10-02Y-65	400	3850	1.6	20.8335	7.0	0.0832	8.1	0.0126	4.0	0.50	80.5	3.2	81.1	6.3	99.3	166.8	80.5	3.2
JG10-02Y-78	447	5588	2.2	22.0096	8.6	0.0789	9.3	0.0126	3.6	0.39	80.7	2.9	77.1	6.9	-32.3	208.5	80.7	2.9
JG10-02Y-44	361	806	1.1	18.7943	28.1	0.0935	28.7	0.0128	5.8	0.20	81.7	4.7	90.8	24.9	337.6	648.3	81.7	4.7
JG10-02Y-86	750	27123	3.2	19.4613	6.4	0.0924	11.8	0.0130	10.0	0.84	83.5	8.3	89.7	10.1	258.1	146.1	83.5	8.3
JG10-02PC-25	93	4125	4.8	21.7762	49.9	0.0866	50.4	0.0137	6.7	0.13	87.6	5.8	84.3	40.8	-6.5	1278.6	87.6	5.8
JG10-02Y-46	902	98645	3.1	20.5024	4.3	0.0929	4.9	0.0138	2.5	0.50	88.5	2.2	90.2	4.3	137.0	100.4	88.5	2.2
JG10-02Y-76	344	12973	4.5	21.0843	9.6	0.1006	10.0	0.0154	2.9	0.29	98.5	2.9	97.4	9.3	70.9	227.6	98.5	2.9
JG10-02PC-29	274	15093	3.8	21.8460	17.6	0.0973	17.7	0.0154	2.1	0.12	98.6	2.0	94.3	16.0	-14.2	428.4	98.6	2.0
JG10-02PC-38	599	34597	1.5	19.7355	4.4	0.1081	5.3	0.0155	3.0	0.57	99.0	2.9	104.3	5.3	225.9	101.1	99.0	2.9
JG10-02Y-7	1825	84233	2.0	20.7266	1.0	0.1048	1.8	0.0157	1.5	0.83	100.7	1.5	101.2	1.7	111.4	23.6	100.7	1.5
JG10-02Y-59	285	35499	1.8	19.7090	10.9	0.1158	11.1	0.0165	2.5	0.22	105.8	2.6	111.2	11.7	228.9	251.6	105.8	2.6
JG10-02Y-72	829	23911	2.0	20.6594	3.2	0.1105	3.8	0.0166	1.9	0.51	105.9	2.0	106.4	3.8	119.0	76.5	105.9	2.0
JG10-02Y-87	378	27109	1.9	21.2158	4.3	0.1086	4.6	0.0167	1.6	0.34	106.8	1.7	104.7	4.6	56.1	103.0	106.8	1.7
JG10-02Y-77	184	6850	1.2	21.6526	9.5	0.1067	10.9	0.0168	5.3	0.48	107.1	5.6	103.0	10.7	7.2	229.9	107.1	5.6
JG10-02Y-67	209	10533	3.9	21.6771	12.4	0.1067	12.4	0.0168	1.5	0.12	107.3	1.6	103.0	12.2	4.5	298.5	107.3	1.6
JG10-02Y-82	182	16534	1.6	23.0933	13.0	0.1007	13.5	0.0169	3.5	0.26	107.9	3.7	97.5	12.5	-150.2	323.6	107.9	3.7
JG10-02PC-12	483	20697	3.0	21.4937	6.1	0.1085	6.3	0.0169	1.6	0.26	108.1	1.7	104.6	6.2	25.0	145.6	108.1	1.7
JG10-02PC-43	221	26035	1.3	22.8059	19.8	0.1026	20.1	0.0170	3.1	0.16	108.4	3.4	99.1	19.0	-119.2	493.5	108.4	3.4
JG10-02Y-52	934	3084	2.3	19.4185	5.8	0.1206	6.7	0.0170	3.3	0.50	108.6	3.6	115.6	7.3	263.2	133.9	108.6	3.6
JG10-02Y-73	394	53655	1.6	21.3655	5.1	0.1110	5.6	0.0172	2.3	0.41	109.9	2.5	106.9	5.6	39.3	121.8	109.9	2.5
JG10-02Y-21	239	10969	1.7	22.7961	12.4	0.1049	12.9	0.0173	3.5	0.28	110.8	3.9	101.2	12.4	-118.1	306.0	110.8	3.9
JG10-02PC-4	814	30026	1.8	21.0559	3.1	0.1137	5.1	0.0174	4.0	0.78	111.0	4.4	109.4	5.3	74.0	74.8	111.0	4.4
JG10-02Y-69	517	26071	1.9	20.7893	5.8	0.1176	6.9	0.0177	3.6	0.52	113.3	4.0	112.9	7.3	104.3	138.3	113.3	4.0
JG10-02Y-63	1008	95022	2.8	20.4126	2.8	0.1213	3.5	0.0180	2.1	0.59	114.7	2.4	116.3	3.9	147.3	66.7	114.7	2.4
JG10-02PC-33	4091	5813	1.9	20.6435	1.9	0.1204	2.1	0.0180	1.0	0.45	115.2	1.1	115.4	2.3	120.9	45.3	115.2	1.1
JG10-02Y-18	880	2250	3.3	20.4115	4.3	0.1235	4.8	0.0183	2.2	0.46	116.8	2.5	118.2	5.4	147.4	100.1	116.8	2.5
JG10-02Y-64	1179	2361	1.7	19.9614	5.0	0.1428	6.3	0.0207	3.8	0.61	131.9	5.0	135.5	8.0	199.5	116.0	131.9	5.0
JG10-02PC-1	99	7713	2.9	23.5672	34.2	0.1279	34.4	0.0219	3.8	0.11	139.4	5.2	122.2	39.6	-200.8	878.9	139.4	5.2
JG10-02PC-19	4097	33523	2.9	20.7814	0.6	0.1667	2.5	0.0251	2.4	0.97	160.0	3.8	156.5	3.6	105.1	13.7	160.0	3.8

JG10-02Y-70	300	11666	2.0	20.0929	5.5	0.1733	5.9	0.0253	2.3	0.38	160.8	3.6	162.3	8.9	184.2	127.7	160.8	3.6
JG10-02PC-16	385	34819	1.8	20.1130	4.5	0.2029	5.4	0.0296	2.9	0.54	188.0	5.4	187.5	9.2	181.9	104.9	188.0	5.4
JG10-02PC-2	395	104149	5.2	20.8469	3.6	0.2066	4.3	0.0312	2.4	0.55	198.3	4.7	190.7	7.5	97.8	84.8	198.3	4.7
JG10-02PC-30	296	29646	4.7	20.0645	5.0	0.2657	5.4	0.0387	1.8	0.34	244.6	4.4	239.3	11.5	187.5	117.6	244.6	4.4
JG10-02PC-10	479	48104	6.9	19.2653	1.9	0.2896	2.7	0.0405	2.0	0.73	255.7	5.0	258.2	6.2	281.3	42.5	255.7	5.0
JG10-02Y-66	271	71912	2.6	19.7417	4.2	0.3265	7.1	0.0467	5.8	0.81	294.5	16.6	286.9	17.8	225.1	96.2	294.5	16.6
JG10-02PC-15	623	148715	3.1	18.7946	2.0	0.3651	3.0	0.0498	2.3	0.74	313.1	6.9	316.0	8.3	337.6	46.3	313.1	6.9
JG10-02Y-50	479	53427	2.0	18.5427	2.3	0.4187	2.8	0.0563	1.6	0.57	353.2	5.5	355.1	8.4	368.1	51.7	353.2	5.5
JG10-02Y-54	179	160336	2.7	18.3812	3.0	0.5185	3.7	0.0691	2.1	0.57	430.9	8.7	424.2	12.7	387.8	67.1	430.9	8.7
JG10-02PC-35	302	123571	2.6	11.3108	0.2	2.9332	0.9	0.2406	0.9	0.96	1389.9	10.7	1390.5	6.7	1391.4	4.6	1391.4	4.6
JG10-02PC-34	153	229679	3.1	10.6904	0.8	3.4078	2.6	0.2642	2.5	0.95	1511.4	33.6	1506.2	20.6	1498.9	15.5	1498.9	15.5
JG10-02PC-47	88	75728	6.1	8.4723	0.6	5.7589	1.9	0.3539	1.8	0.94	1953.0	30.0	1940.3	16.4	1926.6	11.4	1926.6	11.4
JG10-02PC-13	463	35554	2.1	8.0267	2.0	5.7953	22.7	0.3374	22.6	1.00	1874.0	367.8	1945.7	198.9	2022.9	35.6	2022.9	35.6
JG10-02PC-31	84	175479	1.2	6.6782	0.6	8.7596	2.4	0.4243	2.4	0.96	2279.8	45.3	2313.3	22.3	2343.0	11.1	2343.0	11.1

Sample JG10-25, Yakutat Fm (59.91939, -139.57452)

JG10-25_20	494	17947	2.4	21.2978	21.8	0.0602	22.4	0.0093	5.1	0.23	59.6	3.1	59.3	12.9	46.8	526.2	59.6	3.1
JG10-25_06	584	26387	3.8	20.2678	14.0	0.0667	14.3	0.0098	3.1	0.22	62.9	2.0	65.5	9.1	164.0	327.6	62.9	2.0
JG10-25_53	798	47445	5.1	21.8422	6.3	0.0687	6.5	0.0109	1.4	0.22	69.8	1.0	67.5	4.2	-13.8	153.4	69.8	1.0
JG10-25_75	283	13630	1.9	27.7935	19.5	0.0542	19.7	0.0109	3.0	0.15	70.1	2.1	53.6	10.3	-632.4	536.5	70.1	2.1
JG10-25_74	257	10182	2.6	22.9963	28.6	0.0659	28.8	0.0110	3.8	0.13	70.5	2.6	64.8	18.1	-139.7	719.6	70.5	2.6
JG10-25_34	141	7318	2.3	23.1949	59.8	0.0665	60.2	0.0112	7.2	0.12	71.7	5.2	65.3	38.1	-161.1	1625.9	71.7	5.2
JG10-25_11	1084	65493	4.0	21.4896	4.7	0.0728	8.1	0.0113	6.6	0.82	72.7	4.8	71.3	5.6	25.4	112.7	72.7	4.8
JG10-25PC-41	405	11582	1.5	23.7066	11.6	0.0665	12.0	0.0114	2.9	0.24	73.3	2.1	65.4	7.6	-215.6	293.1	73.3	2.1
JG10-25_29	615	36120	1.6	21.6182	16.3	0.0729	16.7	0.0114	3.3	0.20	73.3	2.4	71.5	11.5	11.1	394.6	73.3	2.4
JG10-25_85	132	7823	1.9	18.7148	28.0	0.0843	28.6	0.0114	5.8	0.20	73.4	4.2	82.2	22.6	347.3	644.3	73.4	4.2
JG10-25_98	1591	64685	1.5	21.2595	2.9	0.0748	3.0	0.0115	0.8	0.28	73.9	0.6	73.2	2.1	51.2	68.4	73.9	0.6
JG10-25_90	271	8180	2.1	21.5906	21.5	0.0754	21.7	0.0118	3.1	0.14	75.7	2.3	73.8	15.4	14.1	521.3	75.7	2.3
JG10-25_37	260	16207	2.9	20.2021	19.1	0.0806	19.5	0.0118	3.8	0.20	75.7	2.9	78.7	14.8	171.5	450.3	75.7	2.9
JG10-25_23	266	17290	1.6	20.7469	30.3	0.0794	30.7	0.0119	5.1	0.17	76.5	3.9	77.5	22.9	109.1	730.2	76.5	3.9
JG10-25_46	106	3761	5.9	17.6654	65.1	0.0938	66.0	0.0120	10.6	0.16	77.0	8.1	91.0	57.5	476.3	1622.6	77.0	8.1
JG10-25_56	240	17357	23.1	21.3811	24.0	0.0781	24.1	0.0121	2.4	0.10	77.6	1.8	76.3	17.7	37.5	581.6	77.6	1.8
JG10-25PC-19	515	7916	1.4	19.0402	7.9	0.0879	8.2	0.0121	2.2	0.27	77.8	1.7	85.6	6.7	308.1	180.2	77.8	1.7
JG10-25_49	724	40934	2.2	21.5466	8.1	0.0797	8.2	0.0125	1.1	0.13	79.8	0.9	77.8	6.1	19.1	194.9	79.8	0.9
JG10-25_89	400	40032	2.3	20.9443	18.3	0.0821	18.5	0.0125	2.8	0.15	79.9	2.2	80.1	14.2	86.7	436.4	79.9	2.2
JG10-25_03	391	26723	1.5	20.9723	14.5	0.0844	15.0	0.0128	3.8	0.25	82.2	3.1	82.3	11.9	83.5	346.4	82.2	3.1
JG10-25PC-77	967	26292	65.7	21.0364	3.7	0.0848	4.2	0.0129	1.8	0.44	82.9	1.5	82.7	3.3	76.2	89.0	82.9	1.5
JG10-25_78	139	9188	4.8	16.7463	35.0	0.1083	35.3	0.0131	4.3	0.12	84.2	3.6	104.4	35.0	593.3	781.8	84.2	3.6
JG10-25_19	255	20756	1.6	21.0814	9.7	0.0870	10.6	0.0133	4.3	0.41	85.2	3.7	84.7	8.6	71.2	230.0	85.2	3.7
JG10-25_33	507	38924	3.0	20.2713	8.8	0.0908	9.4	0.0133	3.1	0.33	85.5	2.6	88.2	7.9	163.6	206.9	85.5	2.6
JG10-25_68	1194	60441	2.4	21.0432	3.4	0.0879	3.4	0.0134	0.5	0.16	85.9	0.5	85.5	2.8	75.5	80.6	85.9	0.5
JG10-25_08	879	93225	2.1	21.5486	5.4	0.0871	5.6	0.0136	1.6	0.29	87.1	1.4	84.8	4.6	18.8	129.1	87.1	1.4
JG10-25_94	426	22644	2.3	19.6810	11.3	0.0957	11.5	0.0137	1.8	0.16	87.4	1.6	92.8	10.2	232.2	262.7	87.4	1.6
JG10-25PC-40	1605	61628	1.9	21.2058	2.2	0.0898	3.3	0.0138	2.5	0.74	88.4	2.2	87.3	2.8	57.2	53.2	88.4	2.2
JG10-25PC-01	66	3100	1.4	26.3606	38.0	0.0728	39.0	0.0139	8.9	0.23	89.1	7.9	71.4	26.9	-489.7	1040.3	89.1	7.9
JG10-25_45	713	76943	1.4	20.7862	5.2	0.0927	5.4	0.0140	1.3	0.25	89.4	1.2	90.0	4.6	104.6	123.3	89.4	1.2
JG10-25PC-55	378	24364	3.1	20.4696	8.6	0.0946	8.9	0.0141	2.6	0.29	89.9	2.3	91.8	7.9	140.8	201.3	89.9	2.3
JG10-25_60	318	35021	1.7	21.8113	5.8	0.0905	7.4	0.0143	4.6	0.62	91.6	4.2	87.9	6.2	-10.4	140.3	91.6	4.2
JG10-25_64	553	40239	1.9	20.1848	9.1	0.0980	9.9	0.0143	3.9	0.39	91.8	3.6	94.9	9.0	173.6	212.8	91.8	3.6
JG10-25_72	144	7278	2.4	19.3788	28.5	0.1024	29.3	0.0144	6.8	0.23	92.1	6.2	99.0	27.6	267.8	664.9	92.1	6.2

JG10-25_93	95	4818	3.2	22.5575	42.8	0.0885	43.8	0.0145	9.5	0.22	92.6	8.7	86.1	36.2	-92.2	1093.3	92.6	8.7
JG10-25_54	894	67936	1.9	20.7503	3.0	0.0970	3.7	0.0146	2.2	0.60	93.4	2.1	94.0	3.4	108.7	70.8	93.4	2.1
JG10-25_73	253	18405	1.6	23.9531	16.7	0.0845	17.0	0.0147	3.0	0.17	93.9	2.8	82.3	13.4	-241.7	424.9	93.9	2.8
JG10-25_70	344	15425	1.2	20.8985	8.6	0.0972	9.0	0.0147	2.8	0.31	94.3	2.6	94.2	8.1	91.9	203.2	94.3	2.6
JG10-25_65	947	45677	2.8	20.5892	2.6	0.0989	3.4	0.0148	2.1	0.64	94.5	2.0	95.8	3.1	127.1	61.1	94.5	2.0
JG10-25PC-20	96	2357	2.1	20.6246	43.9	0.0988	44.8	0.0148	9.0	0.20	94.6	8.4	95.7	40.9	123.0	1081.3	94.6	8.4
JG10-25_61	186	19742	3.9	19.1997	19.4	0.1078	19.8	0.0150	4.2	0.21	96.0	4.0	103.9	19.6	289.1	445.8	96.0	4.0
JG10-25_30	412	35978	2.8	21.3394	13.2	0.0980	13.3	0.0152	1.4	0.10	97.0	1.3	94.9	12.0	42.2	316.6	97.0	1.3
JG10-25PC-16	164	6257	1.5	24.2211	22.3	0.0882	22.7	0.0155	4.3	0.19	99.1	4.3	85.8	18.7	-269.9	571.9	99.1	4.3
JG10-25_99	810	45321	1.4	20.9675	4.5	0.1030	5.2	0.0157	2.5	0.48	100.1	2.5	99.5	4.9	84.0	107.7	100.1	2.5
JG10-25_67	140	11028	3.4	21.2249	35.1	0.1020	35.5	0.0157	4.8	0.14	100.4	4.8	98.6	33.3	55.0	861.4	100.4	4.8
JG10-25_76	96	6398	1.6	20.5415	37.1	0.1086	38.9	0.0162	11.5	0.30	103.5	11.8	104.7	38.7	132.5	901.0	103.5	11.8
JG10-25_83	292	23835	7.6	23.0474	10.3	0.0988	10.8	0.0165	3.0	0.28	105.6	3.2	95.6	9.8	-145.2	256.6	105.6	3.2
JG10-25PC-47	742	38922	3.6	20.9288	3.2	0.1110	3.6	0.0169	1.7	0.46	107.7	1.8	106.9	3.6	88.5	75.6	107.7	1.8
JG10-25_66	149	8142	2.0	20.7710	25.1	0.1121	26.2	0.0169	7.5	0.28	108.0	8.0	107.9	26.8	106.3	601.9	108.0	8.0
JG10-25_27	713	23961	1.7	20.0986	3.1	0.1171	3.4	0.0171	1.3	0.39	109.1	1.4	112.4	3.6	183.5	72.5	109.1	1.4
JG10-25_81	196	19273	2.6	19.5464	14.4	0.1208	14.5	0.0171	2.1	0.14	109.4	2.2	115.8	15.9	248.1	332.0	109.4	2.2
JG10-25_41	80	7277	2.1	21.3630	52.1	0.1109	52.5	0.0172	7.0	0.13	109.8	7.6	106.8	53.3	39.6	1329.9	109.8	7.6
JG10-25PC-54	103	6056	1.8	19.1378	25.8	0.1242	26.1	0.0172	4.2	0.16	110.2	4.6	118.8	29.3	296.5	596.4	110.2	4.6
JG10-25_40	183	12259	1.8	25.9588	32.2	0.0926	32.4	0.0174	4.1	0.13	111.4	4.5	89.9	27.9	-449.1	865.5	111.4	4.5
JG10-25_58	201	30677	2.3	17.9928	10.6	0.1354	10.8	0.0177	2.1	0.19	112.9	2.3	128.9	13.1	435.5	236.1	112.9	2.3
JG10-25_77	382	29920	7.0	21.1128	10.2	0.1158	10.5	0.0177	2.3	0.22	113.3	2.6	111.3	11.0	67.7	243.6	113.3	2.6
JG10-25PC-36	121	6223	1.9	22.9682	16.7	0.1094	16.9	0.0182	2.4	0.14	116.5	2.7	105.5	16.9	-136.7	415.7	116.5	2.7
JG10-25_62	69	4454	2.5	23.8291	50.6	0.1079	51.7	0.0186	10.9	0.21	119.1	12.8	104.0	51.2	-228.6	1352.2	119.1	12.8
JG10-25_86	45	3231	2.5	14.0959	263.2	0.1848	263.5	0.0189	12.8	0.05	120.7	15.3	172.2	443.6	955.7	1370.5	120.7	15.3
JG10-25_63	150	18541	3.0	18.3889	11.9	0.1458	12.6	0.0194	4.2	0.34	124.1	5.2	138.2	16.3	386.8	267.4	124.1	5.2
JG10-25_43	451	35701	2.3	20.4614	12.5	0.1321	12.6	0.0196	1.6	0.13	125.1	2.0	126.0	15.0	141.7	294.8	125.1	2.0
JG10-25_47	45	5040	4.3	20.8034	58.0	0.1460	59.0	0.0220	10.8	0.18	140.5	15.0	138.4	76.5	102.6	1495.0	140.5	15.0
JG10-25_91	72	3662	3.4	29.4473	57.1	0.1037	57.2	0.0222	3.5	0.06	141.2	4.9	100.2	54.6	-793.4	1741.5	141.2	4.9
JG10-25_84	889	103377	4.2	15.4113	2.3	0.1985	5.7	0.0222	5.2	0.92	141.5	7.3	183.8	9.6	770.7	48.6	141.5	7.3
JG10-25_14	324	37105	1.4	21.7184	8.0	0.1410	8.2	0.0222	1.9	0.23	141.6	2.6	133.9	10.3	-0.1	193.2	141.6	2.6
JG10-25_18	156	14429	2.5	20.2173	13.0	0.1530	13.6	0.0224	3.9	0.29	143.0	5.5	144.6	18.3	169.8	305.5	143.0	5.5
JG10-25PC-21	183	11258	2.5	19.2240	7.5	0.1640	7.9	0.0229	2.3	0.29	145.7	3.3	154.2	11.3	286.2	172.3	145.7	3.3
JG10-25_32	150	22215	4.5	21.3844	18.8	0.1483	18.9	0.0230	1.4	0.08	146.6	2.1	140.4	24.8	37.1	454.0	146.6	2.1
JG10-25PC-52	148	10008	2.1	19.3118	10.3	0.1695	10.9	0.0237	3.8	0.35	151.2	5.7	159.0	16.1	275.8	235.3	151.2	5.7
JG10-25PC-23	92	9231	2.1	21.7294	28.9	0.1517	29.1	0.0239	3.1	0.11	152.3	4.7	143.4	38.9	-1.3	709.7	152.3	4.7
JG10-25_17	212	27719	1.7	21.3729	13.4	0.1560	13.6	0.0242	2.2	0.16	154.0	3.3	147.2	18.6	38.4	322.5	154.0	3.3
JG10-25_80	132	9397	2.8	21.0521	20.6	0.1588	21.5	0.0243	6.1	0.28	154.5	9.3	149.7	29.9	74.5	494.4	154.5	9.3
JG10-25PC-44	277	29670	1.7	20.1625	7.7	0.1660	8.2	0.0243	2.5	0.31	154.6	3.9	156.0	11.8	176.1	180.8	154.6	3.9
JG10-25_82	344	62620	1.5	20.0358	3.7	0.1672	5.1	0.0243	3.5	0.69	154.7	5.3	157.0	7.4	190.9	85.6	154.7	5.3
JG10-25PC-34	1116	48297	0.9	20.1898	1.9	0.1706	2.6	0.0250	1.8	0.68	159.0	2.8	159.9	3.8	173.0	43.8	159.0	2.8
JG10-25_28	162	62627	3.2	22.2257	13.8	0.1560	14.8	0.0251	5.3	0.36	160.1	8.3	147.2	20.2	-56.0	337.8	160.1	8.3
JG10-25_07	402	30138	2.1	20.4928	6.9	0.1732	7.2	0.0257	1.9	0.26	163.8	3.0	162.2	10.7	138.1	162.7	163.8	3.0
JG10-25_88	282	3780	2.6	18.9982	14.4	0.1871	15.1	0.0258	4.6	0.31	164.1	7.5	174.2	24.2	313.2	328.9	164.1	7.5
JG10-25_69	66	6810	2.3	24.8149	47.5	0.1436	47.8	0.0258	5.4	0.11	164.5	8.8	136.2	61.1	-331.8	1286.5	164.5	8.8
JG10-25_39	304	19736	1.7	19.6682	11.7	0.1924	11.8	0.0275	1.9	0.16	174.6	3.2	178.7	19.3	233.8	269.7	174.6	3.2
JG10-25_05	394	69796	2.0	20.3321	7.2	0.1881	7.4	0.0277	1.5	0.20	176.4	2.6	175.0	11.9	156.6	169.8	176.4	2.6
JG10-25_52	59	8024	3.6	24.3103	48.2	0.1602	48.8	0.0282	7.9	0.16	179.6	14.0	150.9	68.5	-279.2	1292.2	179.6	14.0
JG10-25_97	573	97508	0.8	19.7833	2.0	0.1998	2.3	0.0287	1.0	0.43	182.2	1.7	185.0	3.8	220.3	47.1	182.2	1.7
JG10-25_31	165	21690	1.6	20.3359	16.7	0.1950	17.0	0.0288	2.9	0.17	182.8	5.2	180.9	28.2	156.1	394.4	182.8	5.2

JG10-25_13	876	182485	1.9	20.1778	1.5	0.1965	3.2	0.0288	2.8	0.88	182.8	5.1	182.2	5.4	174.4	36.1	182.8	5.1
JG10-25_44	186	25085	2.9	21.5838	11.8	0.1879	12.0	0.0294	1.8	0.15	186.9	3.3	174.8	19.2	14.9	285.2	186.9	3.3
JG10-25PC-71	231	13593	1.8	20.8982	7.3	0.1947	7.8	0.0295	2.8	0.36	187.5	5.2	180.7	12.9	91.9	172.3	187.5	5.2
JG10-25PC-35	115	8267	2.1	22.4851	13.1	0.1811	13.6	0.0295	4.0	0.29	187.7	7.4	169.0	21.3	-84.4	320.9	187.7	7.4
JG10-25PC-62	291	54110	2.2	19.0723	6.3	0.2161	6.5	0.0299	1.7	0.26	189.9	3.2	198.7	11.7	304.3	142.8	189.9	3.2
JG10-25_15	74	11974	2.1	20.5299	34.0	0.2012	34.2	0.0300	3.6	0.10	190.3	6.7	186.2	58.3	133.9	821.3	190.3	6.7
JG10-25_22	250	27520	1.8	16.0148	20.9	0.2597	21.0	0.0302	2.4	0.12	191.6	4.6	234.5	44.0	689.3	449.8	191.6	4.6
JG10-25_55	127	16456	2.9	20.9405	11.2	0.1987	12.7	0.0302	6.2	0.48	191.6	11.6	184.0	21.4	87.1	265.2	191.6	11.6
JG10-25PC-66	120	11357	2.7	22.5422	13.9	0.1853	14.6	0.0303	4.5	0.31	192.4	8.6	172.6	23.2	-90.6	342.8	192.4	8.6
JG10-25_35	101	10993	2.6	20.6533	10.7	0.2051	12.0	0.0307	5.4	0.45	195.0	10.4	189.4	20.8	119.8	253.5	195.0	10.4
JG10-25_96	148	57756	2.7	19.0639	10.5	0.2253	10.8	0.0312	2.6	0.24	197.8	5.1	206.3	20.3	305.3	240.4	197.8	5.1
JG10-25_95	143	10327	2.5	19.8720	16.6	0.2167	16.9	0.0312	3.1	0.19	198.3	6.1	199.2	30.6	209.9	387.1	198.3	6.1
JG10-25PC-31	69	6981	2.7	20.4404	26.1	0.2113	26.3	0.0313	3.0	0.11	198.8	5.8	194.7	46.6	144.1	622.2	198.8	5.8
JG10-25PC-78	139	18518	2.0	20.0830	9.5	0.2486	10.0	0.0362	2.9	0.29	229.3	6.5	225.5	20.1	185.3	222.5	229.3	6.5
JG10-25PC-76	346	37298	1.5	19.8136	2.7	0.2693	3.6	0.0387	2.4	0.67	244.7	5.8	242.1	7.8	216.7	62.2	244.7	5.8
JG10-25_21	219	78081	2.3	19.0499	5.3	0.2816	5.7	0.0389	2.1	0.37	246.0	5.1	251.9	12.7	307.0	120.0	246.0	5.1
JG10-25_09	727	257858	5.5	18.1406	1.6	0.4507	4.6	0.0593	4.3	0.94	371.4	15.6	377.8	14.5	417.3	34.9	371.4	15.6
JG10-25_50	56	28324	1.5	16.0681	12.3	0.6270	14.5	0.0731	7.6	0.53	454.6	33.4	494.3	56.6	682.2	263.6	454.6	33.4
JG10-25PC-51	461	283636	1.6	13.4762	0.8	1.6567	2.2	0.1619	2.0	0.93	967.4	18.3	992.1	14.0	1047.1	16.8	1047.1	16.8
JG10-25PC-53	169	112032	1.5	12.7004	1.5	2.0739	1.7	0.1910	0.9	0.53	1127.0	9.5	1140.2	11.8	1165.5	28.9	1165.5	28.9
JG10-25_16	103	120139	1.3	11.4433	0.8	2.8515	1.3	0.2367	1.0	0.80	1369.3	12.8	1369.2	9.8	1369.0	15.0	1369.0	15.0
JG10-25_51	300	174227	6.5	11.4109	0.5	2.8361	2.0	0.2347	2.0	0.98	1359.1	24.4	1365.1	15.3	1374.5	8.7	1374.5	8.7
JG10-25PC-56	308	220037	2.7	11.3998	0.4	2.8432	1.7	0.2351	1.6	0.97	1361.1	20.0	1367.0	12.7	1376.4	8.4	1376.4	8.4
JG10-25PC-65	549	353356	6.4	11.3880	0.2	2.7344	1.8	0.2258	1.8	1.00	1312.7	20.9	1337.9	13.1	1378.4	3.2	1378.4	3.2
JG10-25PC-04	240	144441	1.6	11.3877	0.7	2.9455	2.5	0.2433	2.4	0.95	1403.7	29.8	1393.7	18.8	1378.4	14.2	1378.4	14.2
JG10-25_79	878	613023	23.5	11.3743	0.2	2.7440	1.4	0.2264	1.4	0.99	1315.4	17.1	1340.5	10.7	1380.7	3.2	1380.7	3.2
JG10-25PC-73	251	143198	2.4	11.3730	0.2	2.8784	1.0	0.2374	1.0	0.97	1373.3	11.9	1376.3	7.4	1380.9	4.2	1380.9	4.2
JG10-25PC-13	456	331217	5.3	11.3566	0.3	2.9519	1.6	0.2431	1.6	0.98	1403.0	19.8	1395.3	12.1	1383.7	5.6	1383.7	5.6
JG10-25_01	907	104594	3.0	11.3310	0.3	2.8996	3.3	0.2383	3.3	1.00	1377.8	40.4	1381.8	24.7	1388.0	5.8	1388.0	5.8
JG10-25PC-57	54	35350	1.7	11.1118	2.4	3.0675	3.1	0.2472	2.0	0.65	1424.1	25.4	1424.6	23.6	1425.4	45.0	1425.4	45.0
JG10-25PC-39	153	189307	1.6	11.0511	0.9	3.1270	1.4	0.2506	1.1	0.78	1441.7	14.3	1439.4	10.9	1435.9	16.8	1435.9	16.8
JG10-25_38	138	175324	2.1	11.0059	1.0	2.8983	5.8	0.2314	5.7	0.98	1341.6	68.8	1381.5	43.6	1443.7	19.2	1443.7	19.2
JG10-25PC-50	3066	134531	1.3	10.9470	0.1	3.0947	7.3	0.2457	7.3	1.00	1416.3	92.3	1431.4	55.8	1453.9	2.7	1453.9	2.7
JG10-25PC-72	154	109940	1.5	10.8743	0.7	3.2031	1.6	0.2526	1.4	0.89	1452.0	18.8	1457.9	12.5	1466.5	14.1	1466.5	14.1
JG10-25PC-17	219	114495	1.1	10.8151	0.4	3.0518	2.6	0.2394	2.6	0.99	1383.5	31.9	1420.7	19.8	1476.9	7.4	1476.9	7.4
JG10-25PC-02	107	29301	1.7	10.7798	1.1	3.0854	2.0	0.2412	1.6	0.83	1393.1	20.6	1429.1	15.2	1483.1	20.9	1483.1	20.9
JG10-25PC-07	250	174720	1.9	10.7568	0.4	3.3630	1.1	0.2624	1.0	0.92	1501.9	13.7	1495.8	8.7	1487.2	8.1	1487.2	8.1
JG10-25_10	339	173577	3.2	10.5707	0.8	1.1102	2.0	0.0851	1.8	0.91	526.6	9.2	758.3	10.7	1520.1	15.3	1520.1	15.3
JG10-25PC-70	298	314822	4.6	10.5637	0.7	3.2401	3.5	0.2482	3.4	0.98	1429.4	44.1	1466.8	27.3	1521.4	13.8	1521.4	13.8
JG10-25PC-61	504	580225	4.4	10.5563	0.5	3.1633	3.7	0.2422	3.7	0.99	1398.1	46.3	1448.2	28.6	1522.7	8.7	1522.7	8.7
JG10-25_71	236	364964	1.1	10.4205	0.9	3.5863	2.1	0.2710	1.9	0.90	1546.1	26.5	1546.5	17.0	1547.1	17.2	1547.1	17.2
JG10-25PC-33	274	297517	3.4	10.3248	0.9	3.6116	3.0	0.2704	2.8	0.96	1543.1	38.8	1552.1	23.5	1564.4	16.4	1564.4	16.4
JG10-25PC-49	482	366907	4.7	10.1068	0.4	3.7807	1.4	0.2771	1.3	0.96	1576.9	18.2	1588.7	10.9	1604.3	6.9	1604.3	6.9
JG10-25PC-64	214	589214	0.8	10.0312	0.4	4.0298	2.3	0.2932	2.3	0.99	1657.4	33.8	1640.2	19.1	1618.3	6.9	1618.3	6.9
JG10-25_36	99	111658	1.6	9.9310	1.3	3.8462	3.4	0.2770	3.1	0.93	1576.4	44.0	1602.5	27.4	1636.9	23.9	1636.9	23.9
JG10-25PC-25	124	70796	1.2	9.8766	0.9	4.0581	1.8	0.2907	1.5	0.86	1645.0	22.0	1645.9	14.4	1647.1	16.7	1647.1	16.7
JG10-25PC-48	438	395115	1.9	9.7849	0.1	4.0357	1.6	0.2864	1.6	1.00	1623.5	22.7	1641.4	12.9	1664.4	2.4	1664.4	2.4
JG10-25PC-30	682	583230	1.9	9.7848	0.3	3.6801	1.9	0.2612	1.9	0.99	1495.8	25.5	1567.1	15.4	1664.4	5.0	1664.4	5.0
JG10-25PC-06	279	499780	1.5	9.7200	0.4	4.0499	1.9	0.2855	1.8	0.97	1619.0	25.8	1644.3	15.1	1676.7	8.1	1676.7	8.1
JG10-25_57	282	544889	2.3	9.7091	0.4	4.2717	1.2	0.3008	1.1	0.94	1695.3	16.9	1687.9	9.9	1678.8	7.6	1678.8	7.6

JG10-25_04	144	155449	2.8	9.6702	0.8	4.1954	1.6	0.2942	1.4	0.88	1662.7	21.0	1673.1	13.3	1686.2	14.2	1686.2	14.2
JG10-25_24	174	166989	2.9	9.6527	0.4	4.2787	2.2	0.2995	2.2	0.98	1689.1	32.2	1689.3	18.1	1689.5	7.6	1689.5	7.6
JG10-25_92	246	211329	2.9	9.6433	0.5	4.3809	1.5	0.3064	1.4	0.95	1723.0	21.2	1708.7	12.3	1691.3	8.9	1691.3	8.9
JG10-25PC-59	70	84070	1.5	9.6346	1.1	4.4391	4.0	0.3102	3.8	0.96	1741.6	58.4	1719.7	33.1	1693.0	20.8	1693.0	20.8
JG10-25PC-10	1024	667051	3.3	9.5925	0.1	4.3027	1.9	0.2993	1.9	1.00	1688.1	28.6	1693.9	15.9	1701.1	2.7	1701.1	2.7
JG10-25PC-12	399	277949	5.5	9.5810	0.4	4.2890	2.8	0.2980	2.8	0.99	1681.6	41.5	1691.3	23.3	1703.3	7.8	1703.3	7.8
JG10-25PC-75	1235	596147	73.2	9.5371	0.1	4.0706	1.7	0.2816	1.7	1.00	1599.2	24.7	1648.4	14.2	1711.7	1.9	1711.7	1.9
JG10-25PC-22	515	790770	6.7	9.5334	0.2	4.0255	1.5	0.2783	1.5	0.99	1583.0	20.5	1639.4	12.0	1712.5	4.4	1712.5	4.4
JG10-25PC-09	383	229495	4.7	9.5152	0.4	3.2273	3.7	0.2227	3.7	1.00	1296.2	43.0	1463.7	28.6	1716.0	6.8	1716.0	6.8
JG10-25PC-43	1213	118791	1.8	9.4051	0.1	4.4394	1.6	0.3028	1.6	1.00	1705.3	24.4	1719.7	13.5	1737.3	1.8	1737.3	1.8
JG10-25PC-32	277	675020	1.7	9.3947	0.2	4.5513	2.6	0.3101	2.6	1.00	1741.3	40.0	1740.4	21.9	1739.4	4.2	1739.4	4.2
JG10-25PC-27	313	380596	2.6	9.3500	0.4	4.6965	2.5	0.3185	2.5	0.99	1782.3	38.7	1766.6	21.0	1748.1	6.4	1748.1	6.4
JG10-25PC-29	415	407122	2.5	9.3402	0.3	4.7817	2.9	0.3239	2.9	1.00	1808.9	45.1	1781.7	24.1	1750.0	4.7	1750.0	4.7
JG10-25PC-68	755	803852	2.1	9.3110	0.2	4.4013	2.4	0.2972	2.4	1.00	1677.5	35.9	1712.6	20.2	1755.7	2.8	1755.7	2.8
JG10-25PC-60	116	140511	2.8	9.2873	0.8	4.6439	2.6	0.3128	2.4	0.96	1754.5	37.4	1757.2	21.3	1760.4	13.8	1760.4	13.8
JG10-25_25	105	191066	2.9	9.2191	1.0	4.6599	2.4	0.3116	2.2	0.91	1748.4	34.0	1760.1	20.5	1773.9	18.8	1773.9	18.8
JG10-25PC-14	123	144486	1.0	9.2054	0.8	4.6730	2.1	0.3120	2.0	0.92	1750.5	29.9	1762.4	17.7	1776.6	14.9	1776.6	14.9
JG10-25PC-42	148	213148	2.2	9.1998	0.7	4.6980	1.9	0.3135	1.8	0.94	1757.7	27.2	1766.9	15.8	1777.7	12.1	1777.7	12.1
JG10-25PC-15	162	166068	3.0	9.1784	0.3	4.3499	3.1	0.2896	3.1	0.99	1639.4	44.2	1702.9	25.4	1781.9	6.2	1781.9	6.2
JG10-25PC-05	340	367721	5.8	9.1655	0.3	4.6061	1.7	0.3062	1.7	0.99	1721.9	25.5	1750.4	14.2	1784.5	4.6	1784.5	4.6
JG10-25PC-74	279	355169	2.7	9.1633	0.3	4.7609	1.7	0.3164	1.6	0.98	1772.1	25.2	1778.0	13.9	1784.9	5.2	1784.9	5.2
JG10-25PC-08	177	231859	1.7	9.1235	0.4	4.8529	1.6	0.3211	1.5	0.97	1795.2	23.8	1794.1	13.2	1792.9	7.4	1792.9	7.4
JG10-25_87	69	2589	2.3	8.7448	2.6	4.3592	6.2	0.2765	5.7	0.91	1573.6	79.1	1704.6	51.4	1869.7	46.1	1869.7	46.1
JG10-25PC-03	272	685457	4.8	7.3571	4.4	7.5004	6.0	0.4002	4.0	0.67	2170.0	73.4	2173.0	53.4	2175.9	77.2	2175.9	77.2
JG10-25PC-46	302	341586	1.6	7.0265	0.5	6.7280	1.9	0.3429	1.9	0.97	1900.4	30.8	2076.3	17.2	2255.6	8.8	2255.6	8.8
JG10-25PC-67	308	658280	3.4	5.4540	0.2	12.9316	1.7	0.5115	1.7	0.99	2663.2	37.6	2674.7	16.4	2683.4	3.3	2683.4	3.3