

TABLE 1. Sm AND Nd DATA FOR TOURMALINITE AND SULFIDE SAMPLES  
FROM THE SULLIVAN Pb-Zn-Ag DEPOSIT, BRITISH COLUMBIA

Sample no.	Geologic setting	Mineral assemblage*	Sm(ppm)	Nd(ppm)	$^{147}\text{Sm}/^{144}\text{Nd}$	$^{143}\text{Nd}/^{144}\text{Nd}^{\dagger}$	Mine location <sup>§</sup>
<b>Tourmalinites (whole rocks):</b>							
DS-77-131	shallow footwall	tur + qtz + sl ± gl	0.907	3.156	0.1738	0.512297±20	4000 level, scram
DS-76-12A	shallow footwall	tur + qtz + sl ± al	3.004	10.88	0.1669	0.512230±19	3901 level, dump
JS-92-28G	deep footwall	tur + qtz	0.716	2.843	0.1521	0.512066±25	DDH 6799 at 381.4 m depth
JS-92-27F	deep footwall	tur + qtz ± mu	3.171	15.29	0.1253	0.511827±23	DDH 2375 at 84.9 m depth
JS-92-27X	deep footwall	tur + qtz	0.226	1.043	0.1311	0.511884±11	DDH 2375 at 368.8 m depth
JS-92-27W	deep footwall	tur + qtz ± pl	0.359	1.373	0.1580	0.512145±13	DDH 2375 at 347.3 m depth
JS-93-15A	hanging wall	tur + qtz	0.233	1.591	0.0885	0.511605±12	DDH 2415 at 20.0 m depth
JS-93-15B	hanging wall	tur + qtz + po	0.210	1.085	0.1173	0.511836±17	DDH 2415 at 25.1 m depth
JS-93-15C	hanging wall	tur + qtz ± gl	0.399	1.808	0.1334	0.511918±20	DDH 2415 at 27.1 m depth
JS-93-22D	hanging wall	tur + qtz + ab	0.419	3.029	0.0835	0.511566±26	DDH 5353 at 36.4 m depth
DS-79-80	hanging wall	tur + qtz + gl ± mu	3.633	18.98	0.1157	0.511822±12	4350 level, P sub K
JS-93-24	hanging wall	tur + qtz + chl ± po ± ti	29.15	147.9	0.1191	0.511825±11	DDH 4544 at 9.9 m depth
<b>Bedded and massive sulfides (acid leachates):</b>							
JS-91-8J	Main band	sl + cc + gl ± po ± qtz	0.675	1.495	0.2731	0.513401±21	3150 level, no. 1 stope
JS-91-8E	Main band	sl + gl + po ± cc ± qtz	0.091	0.237	0.2323	0.512994±16	3650 level, scram 1
JS-91-8A	Main band	sl + po + cc ± gl ± qtz	0.195	0.663	0.1775	0.512487±12	4150 level, G-13-30 stope
JS-91-8H	D band	sl + gl ± po ± cc ± qtz	0.477	2.391	0.1207	0.511967±16	3650 level, scram 1
JS-81-73	B band	gl + sl ± po ± cc ± qtz	0.544	2.343	0.1404	0.512222±21	3606 level, sub B
JS-91-8F	B band	sl + po + qz + pl ± gl	1.655	8.021	0.1247	0.511909±15	3650 level, scram 1
JS-91-8I	Main band	po + cc ± sl ± py ± qtz	0.202	0.699	0.1745	0.512163±25	3150 level, no. 1 stope
JS-91-8D	Pyrrhotite zone	po + gl + sl ± tt	0.227	0.761	0.1802	0.512442±23	R-10-30 stope, scram 5
DS-78-167	Pyrite zone	py + cc	0.970	2.615	0.2242	0.512320±16	4410 level, sub F
JS-91-8K	Main band	py + po + pl ± sl ± qtz	0.267	1.264	0.1275	0.511908±17	3150 level, no. 1 stope

\*Abbreviations: ab, albite; al, allanite; cc, calcite; chl, chlorite; gl, galena; mu, muscovite; pl, plagioclase; py, pyrite; po, pyrrhotite; qtz, quartz; sl, sphalerite; ti, titanite; tt, tetrahedrite; tur, tourmaline. Note that very minor and trace constituents are not shown including allanite, apatite, and monazite.

<sup>†</sup>Analytical errors are shown for values of 0.0000xx.

<sup>§</sup>DDH, diamond drill hole.