

84-1027-12 889  
10/85

*Prospecting*  
ASSESSMENT REPORT ON THE  
PINE CLAIM NEAR GOLDBRIDGE, B.C.

Lillooet Mining Division  
N.T.S. 92 J / 15 W  
Long. 122 48 W. Lat. 50 50 N.

Owned by Mr. Louis Wolfin  
Operated by Levon Resources Ltd.  
Report by Mindat Consultants

Bradford J. Cooke  
November 17, 1984

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**12,889**

## TABLE OF CONTENTS

Introduction	1 /
Geology	4 /
Geochemistry	5 /
Conclusions	8 /
Cost Statement	9 /
References	10 /
Qualifications	11 /

## LIST OF FIGURES

Figure 1: Location map.	2 /
Figure 2: Claim map.	3 /
Figure 3: Prospecting map.	7 /

## LIST OF TABLES

Table 1: Claim list.	(3 /
Table 2: Formations list.	6 /

## INTRODUCTION

The Pine claim is located along Fergusson Creek, 3.5 kilometres south-southeast of Goldbridge in southwestern B.C. (Figure 1). Access to the property is gained by truck along the Lillooet road west to Goldbridge, Bralorne road south to Brexton and logging roads east to the property.

Consisting of 6 units, the Pine claim (Figure 2 and Table 1) lies in the same belt of rocks as, but 6 kilometres north of, the Bralorne-Pioneer gold mines where some 4 million ounces gold was produced from 8 million tons ore at a grade of 0.5 ounces per ton. The property lies 1.5 kilometres east of the old Forty Thieves, Why Not and Gloria Kitty Au(Ag) vein prospects and holds strong potential for gold-quartz veins of the Bralorne-type.

At the request of Mr. Louis Wolfin, Levon Resources Ltd., Mindat Consultants researched background information and prospected the claims. Our evaluation of the property is reported herein.



Figure 1: Location Map.

Claim Name	Record No.	No. Units	Expiry Date
Pine	2653	6	84-10-19

Table 1: Claim list.

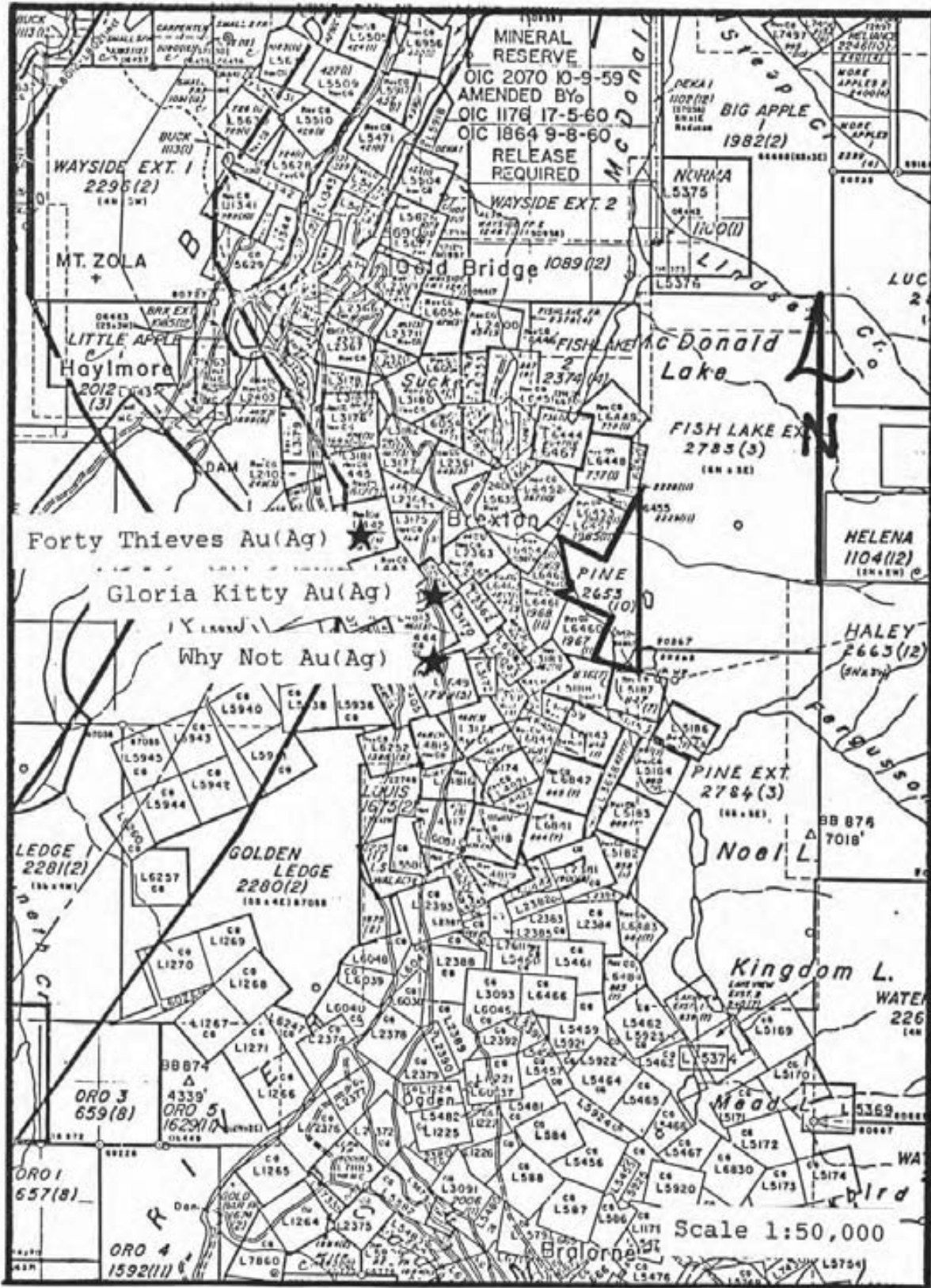


Figure 2: Claim Map.

## GEOLOGY

The Bridge River district lies at the western margin of the Intermontaine Belt of volcanic and sedimentary rocks where it abuts against the Coast Plutonic Complex of plutonic and metamorphic rocks (Table 2). Triassic eugeoclinal volcanics and sediments (Bridge River and Cadwallader Groups) are intruded by pre-tectonic plutons of intermediate composition (Bralorne Intrusions) and faulted against ophiolitic ultramafic intrusions (President Intrusions).

Jurassic and Cretaceous miogeoclinal sediments and volcanics (unnamed, Taylor Creek and Kingsvale Groups) are successively intruded by Cretaceous and Tertiary syn- to post-tectonic plutons of felsic composition (Coast Range, porphyry dikes and Bendor intrusions) and finally overlain by Tertiary intermediate and mafic volcanics (Rexmount porphyry and Plateau basalt).

The Bralorne and Pioneer mines follow gold, quartz - silver, sulfide veins along two main sets of narrow fissures in Pioneer andesite and Bralorne diorite near Bralorne granite and albitite or porphyry dikes. Many other prospects in the region are sulfide, quartz - gold, silver veins that follow wide shears in Bridge River basalts and cherts near porphyry dikes.

Pine claim is underlain by basalt volcanics of the Triassic Pioneer Formation (Figure 3). One north-trending fault was observed at the eastern border of the claim and much of the property is covered by glacial overburden.

#### GEOCHEMISTRY

A total of 19 stream sediment samples were collected from Fergusson Creek and East Creek which drain northwest from the Pine claim. Stream silts were placed in labeled kraft paper bags and sent to Min-En Laboratories Ltd. in North Vancouver.

All samples were dried, sieved to -80 mesh, dissolved in aqua regia and analyzed by ICP-ES for Ag, As, Cu, Sb and Zn, or AA for Au. No anomalies were detected although arsenic registers a high background level of 100-200 ppm.

PERIOD	UNIT	LITHOLOGY
upper Tertiary	Plateau basalt	basalt, rhyolite flows, breccias
		unconformable contact
lower Tertiary	Rexmount porphyry	rhyolite, dacite, andesite tuffs, breccias, flows, plugs
		unconformable contact
upper Cretaceous	Porphyry dikes	quartz, feldspar, hornblende porphyry dikes
		intrusive contact
	Coast Range intrusions	quartz diorite, diorite, granodiorite
		intrusive contact
	Kingsvale group	arkose, greywacke, shale, conglomerate
		unconformable contact
lower Cretaceous	Taylor Creek group	conglomerate, shale, tuff, breccia
		unconformable contact
lower Jurassic	Unnamed sediments	argillite, shale, sandstone, limestone, conglomerate
		unconformable contact
upper Triassic	Bralorne intrusions	augite diorite, soda granite, albitite dikes
		intrusive contact
	President intrusions	serpentinite, peridotite, pyroxenite, dunite, gabbro
		fault contact
	Cadwallader Hurley formation	group limy argillite, phyllite, limestone, tuff, conglomerate, greenstone, chert
	Pioneer formation	greenstone, basalt, andesite, flows, tuffs
	Noel formation	argillite, chert, conglomerate, greenstone
		conformable contact?
middle Triassic	Bridge River group	chert, argillite, phyllite, limestone, greenstone, metamorphic equivalents

Table 2: Formation names, ages and lithologies.



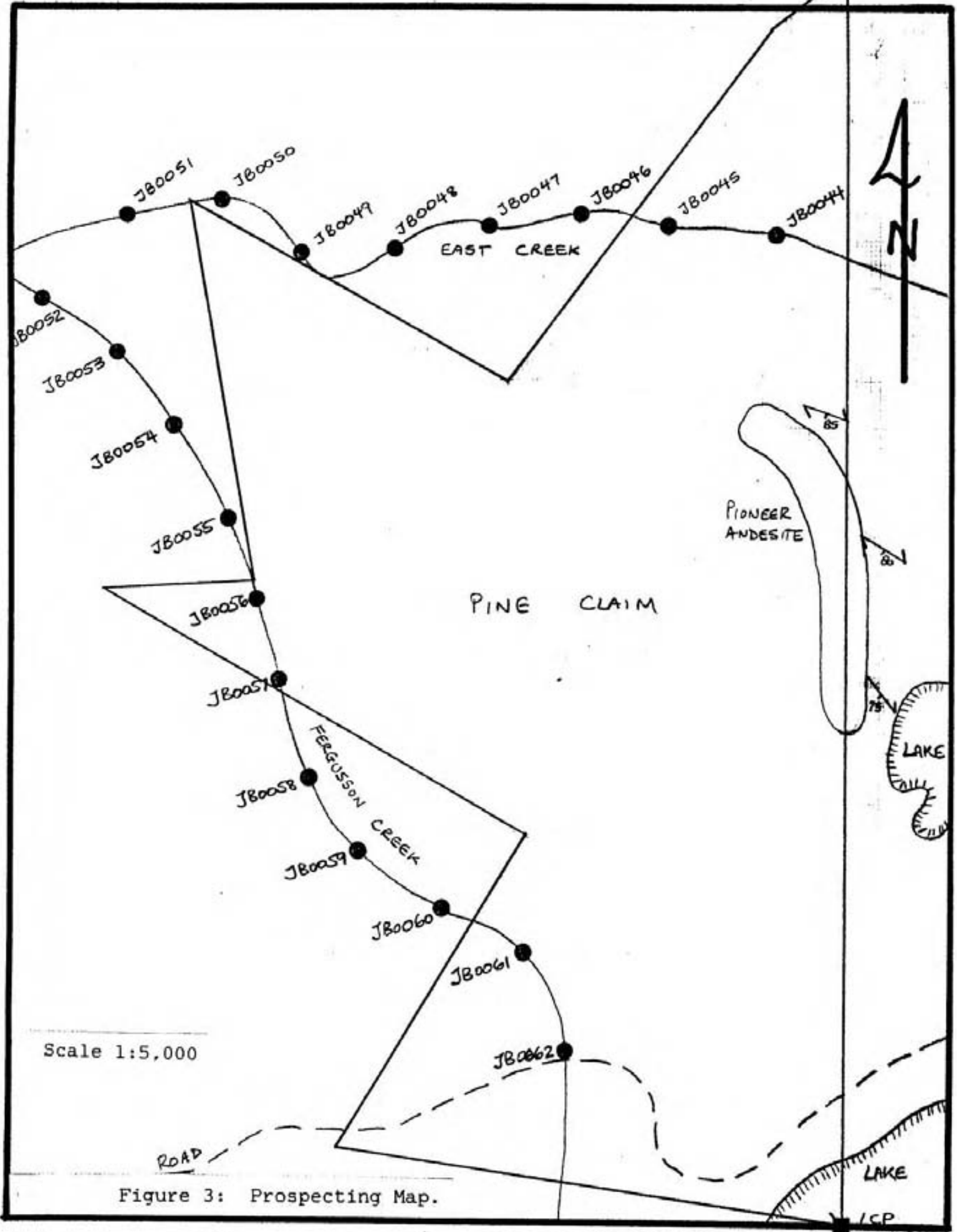


Figure 3: Prospecting Map.

## CONCLUSIONS

1) The Pine claim is underlain by basalt volcanics of the Pioneer Formation. These rocks surround the Bralorne-Pioneer area 6 kilometres to the south, where 4 million ounces gold were produced from quartz veins in Cadwallader Group andesite and diorite.

2) West of the claim lie the Forty Thieves, Gloria Kitty and Why Not Au(Ag) vein prospects. Similar mesothermal vein mineralization may occur on the property.

3) Buried mineralization may have surface geochemical expressions near faults and where glacial overburden is relatively thin. However, overburden is thick over most of the claim.

COST STATEMENT

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<u>Item</u>	<u>Cost</u>
Labour 1 man x 1 day x \$300	\$300.00
1 man x 1 day x \$100	\$100.00
Room 2 rooms x 1 day x \$30	\$60.00
Board 2 men x 1 day x \$20	\$40.00
Truck 1 truck x 1 day x \$50	\$50.00
<u>Analyses 19 samples x \$10.60</u>	<u>\$201.40</u>
Total	\$751.40

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## REFERENCES

- Cairnes, C.E., 1937, Geology and mineral deposits of the Bridge River mining camp, B.C., G.S.C. Memoir 213.
- Cooke, B.J., 1984, Geological compilation of the Bridge River area, British Columbia, Company report.
- McCann, W.S., 1922, Geology and mineral deposits of the Bridge River map area, B.C., G.S.C. Memoir 130.
- Roddick, J.A. and Hutchinson, W.W., 1973, Pemberton (East Half) map area, B.C., G.S.C. Paper 73-17.
- Woodsworth, G.J., 1977, Pemberton Map Area, G.S.C. Open File 482.

## QUALIFICATIONS

I, Bradford J. Cooke, am a professional geologist and operate a consulting business, MINDAT Consultants, 2095 West 44 Avenue, Vancouver, B.C., V6M 2G1.

I was awarded a B.Sc. Honours Geology degree from Queen's University, Kingston, Ontario in 1976 and completed a M.Sc. Geology degree at the University of British Columbia, Vancouver, B.C. in 1984.

I have worked in mineral exploration both seasonally and permanently since 1975, and have performed geological field work since 1973.

I am a Fellow of the Geological Association of Canada and a Member of the Canadian Institute of Mining and Metallurgy.

I personally carried out the research and prospecting of the Pine claim and report herein on my evaluation of the property.

I have no interest, nor do I expect to receive any interest, in the securities or properties of Levon Resources Ltd.

COMPANY: MINDAT CONSULTANTS

PROJECT No: 84-9

ATTENTION: BRAD COOKE

(REPORT VALUES IN PPM)

MIN-EN LABS ICP REPORT

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\*TYPE SOIL GEOCHEM\*

(ACT:GEO3B) PAGE 1 OF 1

FILE No: 4-1384S/P1+2

DATE: NOVEMBER 2, 1984

	AG	AS	CU	SB	ZN	AU-PPB
JB0044S	1.3	138	108	14	115	5
JB0045S	.8	117	91	11	100	5
JB0046S	.8	119	90	14	106	5
JB0047S	.4	133	80	16	99	5
JB0048S	.9	121	86	15	92	<5
JB0049S	.5	129	73	12	91	5
JB0050S	1.3	128	81	17	90	5
JB0051S	.7	102	78	13	94	5
JB0052S	.8	244	78	16	95	5
JB0053S	1.2	209	81	15	98	10
JB0054S	.7	199	52	11	63	5
JB0055S	.7	203	55	13	67	5
JB0056S	.6	132	58	9	65	5
JB0057S	.7	275	54	11	57	10
JB0058S	.8	256	49	9	57	5
JB0059S	.8	42	41	8	47	5
JB0060S	1.2	172	61	8	54	10
JB0061S	.8	276	46	8	55	5
JB0062S	1.4	230	80	12	94	5