

ZINCOX RESOURCES PLC

**OXIDE PROPERTY** 

### ASSESSMENT REPORT

#### 2000 TRENCHING PROGRAM

CLAIMS: HOT OX 1, HOT OX 2, OXGOLD 1, OXIDE (324446), OXIDE (357457), SULFIDE, PORT 15-55

OSCAR CREEK / PORCUPINE CREEK AREA

NELSON MINING DIVISION, BRITISH COLUMBIA, CANADA

NTS MAP SHEET: 082F/06E

LATITUDE: 49° 15' N LONGITUDE: 117° 09' W

WORK PERFORMED: August 11 - September 10, 2000

PROPERTY OWNERS: Lloyd Addie and Robert Bourdon, Nelson BC OPTIONORS: Cominco Ltd., Vancouver BC Indo Metals Ltd., Vancouver BC ZincOx Resources plc

OPERATOR: ZincOx Resources plc

**REPORT AUTHOR:** 

George Gorzynski, P.Eng. Redhawk Resources, Inc., Vancouver BC

GEOLOGICAL SURVEY BRANCH

DATE SUBMITTED:

December 12, 2000

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#### EXECUTIVE SUMMARY

The 2000 trenching program on the 47 claim Oxide Property was carried out under contract by Redhawk Resources Inc. for ZincOx Resources plc who held the property in 2000 under terms of a multi-level option agreement. The objective of the 2000 trenching program was to test the strike extent of known wide high-grade zones of zinc oxide mineralization on the property.

The property is located in the Kootenay Arc of southeastern British Columbia which is host to many zinc+lead+silver deposits and prospects, several of which have had a long history of commercial production. Most deposits in the broad vicinity of the Oxide Property are deformed carbonate-hosted sedex deposits. The Oxide Pass prospect on the property, however, is a fault-hosted zone of zinc oxide mineralization of uncertain origin.

The property is mainly underlain by Lower Paleozoic metasedimentary rocks that have been affected by complex folding and faulting.

Mineralisation in the central Oxide Pass area of the property is hosted by the regionally extensive northerly-trending Oxide Fault. At Oxide Pass the mineralization typically occurs in pinch and swell zones in the fault over a known strike length of 750m. It locally attains significant widths of high-grade zinc+lead oxide mineralization in porous limonitic gossans.

During the 2000 field program the Oxide Pass area was tested with 16 excavator trenches. The trenches were dug along strike of the known high-grade zinc oxide prospects on the fault. The zinc oxide mineralization found in the course of this trenching program was largely in smaller low-grade zones. None of the 2000 program trenches encountered zinc oxide mineralization to compare with the previously known wide high-grade prospects at Cominco Trench #1 (16.3%Zn/5.8m), Cominco Trench #2 (9.1%Zn/3.1m) or the International Adit portal area (15.6%Zn/7.1m).

Outside the Oxide Pass area one other zinc prospect (Last Chance) and two zinc-in-soil anomalies were tested with one trench each. Two of the trenches ended inconclusively in overburden and one ended in low grade mineralized bedrock.

#### CONCLUSIONS

No new economically significant exposures of zinc oxide mineralization were found in the course of the 2000 trenching program on the Oxide Property. The exploration objective of testing the strike extent of the historically known v/ide high-grade zones of zinc oxide mineralization revealed the rapid pinch and swell nature of these zones.

Known near surface zinc oxide exploration targets left untested on the property are at an early stage of exploration, and are in overburden covered areas. Zinc sulphide exploration targets remain untested at depth.

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# **OXIDE PROPERTY, BRITISH COLUMBIA, CANADA** ASSESSMENT REPORT 2000 TRENCHING PROGRAM

By George Gorzynski, P.Eng.

#### BACKGROUND INFORMATION 1.0

#### 1.1 INTRODUCTION

The trenching program described in this report was carried out by Redhawk Resources Inc., for ZincOx Resources plc, who held the property in 2000 under an option agreement. The work was carried out under the supervision of the author at the request of Redhawk Resources.

The objective of the 2000 trenching program was to test the strike extent of the known wide high-grade zones of zinc oxide mineralization on the property.

#### 1.2 LOCATION AND ACCESS

NTS Map Sheet: 82 F/6E 117° 09' W Latitude: 49° 15' N Longitude: UTM: 489 500mE 5 457 500mN (Zone 11)

The Oxide property is located in the Nelson Mining Division about six kilometers east of Ymir, British Columbia, Canada (Figure 1).

The main access across the property is the Oxide Pass Road a solid but narrow bush track that passes close to most of the workings (Figure 4). To the south the Oxide Pass Road descends a steep slope in a series of tight switchbacks to connect with the Porcupine Creek Road, a wide well used logging access route, about 5.5km east of Highway 6. To the north the Oxide Pass Road gently descends to meet the Oscar Creek Road, a solid but little used former logging road. The Last Chance Prospect is located on the Oscar Creek Road some two road kilometers northeast of the Oxide Pass Road junction. During the summer of 2000 the Oxide Pass Road was not passable except by ATV vehicle at a point about one kilometer north of Oscar Creek due to one small but deep creek washout. Late in the summer of 2000 construction tenders were put out to rehabilitate the Oscar Creek Road.



### 1.3 LAND TENURE

The property consists of 46 two-post mineral claims and one 12 unit modified grid claim (Figure 2), as follows:

Name	No. of Units	Tenure No.
Sulfide	1 x 1	324445
Oxide	1 x 1	324446
Oxgold	1 x 1	357456
HotOx 1	1 x 1	358338
HotOx 2	1 x 1	358339
Oxide	1 x 12	357457
Port 15-55	41 x 1	360161 - 690203

These claims are owned by Lloyd Addie and Robert Bourdon of Nelson, BC, who optioned them to Cominco Ltd. of Vancouver, BC on October 27, 1997. Cominco optioned the property to Indo Metals Ltd. of Vancouver, BC on March 18, 1999. On March 2, 2000, Indo Metals optioned a 70% interest in the property, by Letter of Understanding, to ZincOx Resources plc of London, U.K. The trenching program described in this report was carried out for ZincOx Resources, by Redhawk Resources, Inc. under contract.

### 1.4 HISTORY

The following property work history summary is taken from O'Brian and Reid (1998) and Shearer and McClaren (1999).

- 1943: A limonite showing, known as the Oxide Zone, was discovered and hand trenched by E. P. Haukedahl of Ymir
- 1944: Two diamond drill holes totalling 180m (600 ft) were completed by Leta Exploration Ltd. with inconclusive results.
- 1943: The property was optioned to International Mining Corp. who carried out extensive trenching on the Oxide Zone from Oxide Pass down the southern slope to Porcupine Creek. Drilling intersected the Oxide Zone 500 ft. below crest of ridge. The International Adit was collared and driven on Oxide Zone for the first 105 ft. and thereafter tested the zone with cross-cuts at 135 ft., 400 ft., and 643 ft. from portal. Results were mixed (see Figure 6).



- 1948: The property was optioned to New Jersey Zinc Exploration Ltd. They drove an adit into the Main Showing (Cominco Trench #1 zone - Figure 5) which cross-cut the Oxide Zone at 30° to strike. Sampling of the adit revealed metal zonation within Oxide Zone with a Zn-rich (16-17% Zn) and Pb-poor (<1%Pb) outer zone and an inner zone containing less Zn (2-3%) but more Pb (1-3%). They drill-tested the downdip extent of Oxide Zone in area of old workings but did not report any results.
- circa 1948-53: Extensive bulldozer trenching and numerous small adits were driven in the Last Chance area (Livingston, 1953a,b).
- 1950-1955: The Ox4 adit was collared and driven 265m (870 ft) through much bad ground. The Ox4 adit was unsuccessful in reaching or testing the downdip extension of the Oxide Zone below the level of the International Adit.
- 1962: New Jersey Zinc drilled two diamond drill holes totalling 204m (669 ft). The locations and drill results were not reported.
- 1976: A soil survey (2,000 ft. x 2400 ft. grid; 195 samples) was carried out over the slope south of the Ox4 adit. Several anomalies were outlined, including a strong Pb-Zn anomaly (<730ppm Pb, <3100ppm Zn) that remained open to south and east.
- 1994: The property was acquired by L. Addie and R. Bourdon. A small amount of soil, silt and rock sampling was carried out.
- 1997: Cominco Ltd optioned the property from L. Addie and R. Bourbon.
- 1999: Indo Metals Ltd. optioned the property from Cominco.
- 2000: ZincOx optioned a 70% interest in the property from Indo Metals in March.

#### 1.5 PHYSICAL GEOGRAPHY

The Oxide Property straddles the ridge between Porcupine and Oscar Creeks. The main geographic features are Jubilee Mountain (1753m elevation) to the west with Oxide Pass on its east flank. The terrain is gentle to moderate on the Oscar Creek side north of the divide, and moderate to steep on the Porcupine Creek side to the south. Over much of the property outcrops are typically scarce except for a few steep areas on either side of Oxide Pass where bedrock is well exposed in cliff faces. Overburden cover is variable over the property. In the Oxide Pass area where much of the 2000 trenching was done, overburden is, in good part, less than two meters thick. Further down the slopes to the north and south overburden cover increases in thickness (see Figure 4) and is predicted to be very thick in the Oscar Creek valley to the north.

### 2.0 GEOLOGY AND MINERALIZATION

#### 2.1 REGIONAL SETTING

The Oxide Property is located in the Kootenay Arc, a curved north-south belt of sedimentary, volcanic and metamorphic rocks extending from northeast Washington State some 400 km to near Revelstoke, British Columbia (Fyles & Hewlett, 1959). The Arc rocks range in age from early Cambrian to late Mesozoic. They have a complex structural history involving at least three phases of folding and faulting.

Regionally major carbonate-hosted (sedex and Mississippi Valley-type) zinc+lead+silver deposits occur in the Reeves (Badshot) Member of the Laib Formation of Lower Cambrian age, and in the Nelway (Metaline) Formation of Middle Cambrian age (Figure 3). The Oxide Pass prospect on the property, however, is a fault-hosted zone of zinc oxide mineralization of uncertain origin.

#### 2.2 PROPERTY GEOLOGY AND MINERALIZATION

The Oxide Property is underlain by a complexly folded and faulted assemblage of rocks. Broadly speaking the geology of the Oxide Property consists of resistant blocks of Quartzite Range and Reno Formation quartzites overlain by various phyllites and Reeves Member limestones (Figure 4; Whiting, 1948).

Mineralisation on the property is primarily located in the Oxide Fault, a regionally extensive fault which strikes N10°E, dips 70-80°E. The fault separates black phyllites and limestones on the east from white micaceous quartzites and local black schists on the west. The fault is rarely found at surface, but where exposed in trenches it is marked by a zone of crushed and sheared rock that is typically tens of meters wide.

The main Oxide Pass mineralisation consists of porous earthy limonite which occurs as pinch and swell zones in the Oxide Fault over a known strike length of 750m and locally attains significant widths of high grade zinc and lead mineralization (Figure 5). McAllister (1951) reports the zinc species in the zone as hemimorphite and parahopeite, and lead as both pyromorphite and rare nodules of galena. See Section 3.0 below for detailed descriptions of mineralization exposed during the 2000 trenching program.

Scattered low grade zinc + lead mineralization also occurs in the Reeves Member limestones and dolostones on the property. In Oxide Pass east of the Oxide Fault scattered disseminated zinc+lead mineralization was found in Trench OP-2000-09 and other rusty occurrences were observed on the eastern slope of Oxide Pass. Some significant but small(?) lenses of mineralization occur at the Last Chance Prospect. These are further described in Section 3.2.4 below. Elsewhere in the region it is this Reeves Member that is host to all the former producing zinc + lead mines.





#### 3.0 TRENCHING RESULTS

#### 3.1 INTRODUCTION

The objective of the 2000 trenching program was to test the strike extent of the known wide high-grade zones of zinc oxide mineralization.

A total of 19 trenches were excavated on the four target areas (Oxide Pass. A-Anomaly, B-Anomaly and Last Chance) and 74 rock channel samples collected. The work was carried out on the following claims: Oxide (357457), Oxide (324446), Oxgold1 (357486) and Port claims 16, 18, 22 and 23. The Oxide Pass road and the road to the International Adit (see Figure 4) were brushed out and minor repairs were carried out. About 600m of new access trails were constructed and later reclaimed. All work was done under Mines Act Permit MX-5-476. The location and configurations of the trenches and locations of trench samples are shown on Figures 5 - 8. Individual compiled trench sample results are listed in Table 1 and assay/analytical certificates are in Appendix 1.

All samples were analysed for 30 elements by inductively coupled plasma spectrometry (ICP) and 11 samples with high zinc values were assayed for zinc by classical wet chemistry with atomic absorption (AA) finish.

All trenches were filled, slopes recontoured and seeded at the end of the field program.

### 3.2 **RESULTS AND INTERPRETATION**

#### 3.2.1 OXIDE PASS AREA

The Oxide Pass area was the main exploration target of the 2000 program (Figure 5). Zinc oxide mineralization is controlled by the Oxide Fault, a wide zone of highly deformed rocks mainly consisting of black schists and quartzites with lenses of zinc-bearing red-brown to orange gossan. For discuss on purposes the area has been divided into Central, Southern and Northern Sectors covering a strike length of about 750m.

### CENTRAL SECTOR

Cominco Trench #1, an excavation of the older Oxide Adit (16.3% Zn / 5.8m), was the main target in this sector (Figure 6). This trench was not re-excavated (a big job) but trenches were dug along strike to the north and south.









RpOxide2000Table1Assays.xls

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					TABLE 1: 0	XIDE PROP	ERTY	REN	ICH RESI	JLTS	1	1	1	<u></u>	<u></u>
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OXIDE PASS	AREA														
SITE:		Oxic	e Pass	<b>.</b>											
TRENCH No:		OP-	2000-01	<u> </u>											
26052	0.0	mE	1.5	mE	1.5	0.6	(	).21	0.26	0.2					
26053	1.5	mE	3.0	mE	1.5	0.7	(	).62	0.93	0.2			[		
26054	3.0	IME	5.1	mE	2.1	1.2		1.40	0.91	0.2	11.7	8.2	1.50	1.46	0.47
26055	5.1	mE	6.6	mE	1.5	0.9		1.84	2.20	1.4			1		
26056	6.6	mE	8.1	ME	1.5	1.2		1.91	2.20	1.1					
26057	8.1	me	9.6	ImE	1.5	0.9		.63	1.43	0.5					
20008	9.0	mE	11.1	IME	1.5	0.8	_	.43	2.79	0.3					
20009	12.0	mE	12.0	mE	0.9	0.8		.58	1.37	0.2					
26061	13.1	mE	10.1	mE	1.1	0.9		.05	0.75	0.2					
26062	14.7	mE	16.2	mE	1.0	1.4		.20	0.62	0.2					
20002					1.0	1.4	u	.13	0.05	0.5		·		·	
SITE:		Oxid	e Pass												
TRENCH No:		OP-2	2000-02												
26063	46.4	mE	46.4	mE	Vertical Cha	annel Sample	e 1	.44	2.84	12	0.4	0.4	1.44	2.84	1.20
													1,-1-1	2.04	1.20
26064	41.2	mΕ	41.2	mΕ	Vertical Cha	annel Sampl	e 1	.37	2.81	0.2	1.0	1.0	1.37	2.81	0.15
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26072	2.7	mE	4.2	mE	1.5	1.3	(	.21	0.04	1.8						
26065	4.2	mΕ	5.0	mE	0.8	0.7	(	.32	0.30	0.7	T					
26066	5.0	mE	6.3	mE	1.3	1.1	2	.26	1.35	3.0	Γ	3.5	3.1	9.12	1.08	23.00
26067	6.3	mE	7.5	mE	1.2	1.1	17	.55	1.18	54.2	Γ					
26068	7.5	mΕ	8.5	mE	1	1.0		7.72	0.66	11.5						
26069	8,5	mΕ	10.2	mΕ	1.7	1.6	(	.49	0.03	2.7						
26070	10.2	mΕ	11.5	mE	1.3	1.2	(	).45	0.04	1.7					·	
26071	6.3	mΕ	7.8	mΕ	1.5	1.3	34	.58	0.37	28.6						
SITE:		Oxid	e Pass													
TRENCH No:	_	OP-	2000-04	ļ			_									
26090	22.7	mE	23.7	mE	1	0.9	(	).89	1.41	1.0		1.0	0.9	0.89	1.41	1.00
26091	29.3	mE	29.9	mE	0.6	0.5	(	0.33	0.05	1.5		0.6	0.5	0.33	0.05	1.50
		Ovic	e Pass													
TRENCH No:		OP-	2000-05													
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26073	15.7	mW	18.2	mW	2.5	2.5	1.77	0.57	18					
26074	18.2	mW	20.2	mW	2	1.0	1.72	0.50	0.2					
26075	20.2	mW	22.2	m₩	2	1.0	2.04	0.67	0.2	15.6	73	5 32	1 25	2.08
26078	22,2	mW	24.2	mW	2	1.0	2.41	0.43	0.9			0.02		2.00
26079	24.2	mW	26.2	mW	2	0.9	3.68	1.52	3.1					
26080	26.2	mW	27.9	mW	1.7	0.8	4.57	1.11	1.8					
26081	27.9	mW	29.8	mW	1.9	0.9	21.82	1.56	6.7				·	
26082	29.8	mW	31.8	mW	2	0.8	2.91	1.81	3.4					
26083	31.8	mW	33.8	mW	2	0.9	3.05	1.44	0.7					
26084	33.8	mW	35.8	mW	2	0.9	1.94	1.56	0.2					
26085	35.8	mW	37.8	mW	2	0.7	1.58	1.37	0.2					
26086	37.8	mW	39.1	mW	1.3	0.6	1.77	1.08	0.3					
26087	39.1	mW	41.1	mW	2	0.9	1.22	1.14	0.2					
26088	41.1	mvv	43.6	mw	2.5	1.2	0.63	0.83	0.2					
26089	43.6	mvv	45.6	mvv	2	0.9	0.39	0.43	0.2					
SITE:		Oxide	e Pass											
TRENCH No:		OP-2	2000-07											
Overburden Tre	ench - No		nles				-							
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				1										
SITE:		Oxic	le Pass											
TRENCH No:		OP-	2000-09											
26017	6.3	mW	7.2	mW	0.9	0.8	0.03	0.02	0.4					
26019	13.0	mW	15.0	mW	2	2.0	0.07	0.01	0.2					··· <u>    ·                             </u>
26018	15.0	mW	17.4	mW	2.4	2.3	2.41	0.10	14.5	<u>)</u>				
26020	17.4	mW	20.2	mW	2.8	2.7	1.32	0.04	7.1					
26021	20.2	mW	22.1	mW	1.9	1.9	0.08	0.00	0.9					
26022	22.1	mW	23.1	mW	1	1.0	0.95	0.07	3.1					
26023	23.1	mW	25.4	mW	2.3	2.2	0.22	0.01	1.9					·
26024	25.4	mŴ	27.4	m₩	2	1.6	0.24	0.03	5.1					
26026	27.4	mW	29.4	mW	2	1.8	0.10	0.02	3.8					
26027	29.4	mW	31.6	mW	2.2	1.9	1.96	0.29	168.0					
26004	31.6	mW	33.6	mW	2	1.3	0.08	0.05	1.9					
26005	33.6	mW	35.6	mW	2	1.4	0.07	0.10	2.3					
26006	35.6	mW	37.2	mW	1.6	1.0	0.13	0.06	2.4			Ĩ		
26007	37.2	mW	38.0	mW	0.8	0.5	0.84	0.15	6.0					
26008	38.0	mW	40.0	mW	2	1.3	1.39	0.06	0.9	6.7	4.3	2.06	0.21	7.33
26009	40.0	mW	41.5	mW	1.5	1.0	3.36	0.36	11.8					
26010	41.5	mW	43.0	mW	1.5	1.0	2.51	0.37	13.7					
26011	43.0	mW	44.7	mW	1.7	1.1	1.28	0.12	5.3					
26012	44.7	mW	45.9	mW	1.2	0.8	0.39	0.19	2.4					
26013	45.9	mW	46.5	mW	0.6	0.4	1.15	0.39	2.8					
26015	46.5	mW	46.9	mW	0.4	0.2	0.29	0.16	2.0					
26016	46.9	mW	47.3	m₩	0.4	0.2	0.17	0.05	1.1					
SITE:	Oxide Pa	ISS												
TRENCH No:	OP-2000	-10							1	1				
Quartzite; No r	nineraliza	tion	- No Sam	ples	·									

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TRENCH No:		OB-	2000-01													
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26093	18.7	mE	20.8	mE	2.1	2.0	_	0.20	0.02	0.7	t		-1.0	0.20		0.10
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26095	Boulder	near	trench LC	2-200	0-01			12.0	0.0	0.2	T					
26096	Boulder I	near	trench LC	2-200	0-01			2.9	1.7	10.0	1					
26097	Boulder 1	rom	shore of	Last	Chance pon	d.		13.0	0.0	0.2	Ţ					

Trenches OP-2000-06 and -01 were excavated 40m and 60m to the south and uphill respectively of Cominco Trench #1. Trench OP-2000-06 exposed a 15m wide zone of red rusty gossan. The central section of this gossan returned 5.32% Zn across 7.3m (TW). Trench OP-2000-01 exposed a 8.2m (TW) wide zone of similar material which returned 1.5% Zn. These trenches demonstrated strong continuation of the zone to the south but with lower zinc values than reported in the old workings.

Trenches OP-2000-08, -07 and -11 were excavated over a distance of some 300m north of Cominco Trench #1 (Figure 7). All ended in overburden and represent an untested target area.

#### SOUTHERN SECTOR

Cominco Trench #2, a re-excavation of an older hand trench is the main known zinc showing in this sector (Figure 6). This trench was re-excavated as Trench OP-2000-03 in this program. The known higher-grade zone is a section of redbrown gossan with host rock blocks that returned 9.1% Zn across 3.1m (TW). Immediate host rocks are talc-mica schists and black schists flanked by schistose quartzites.

Trench OP-2000-02 was excavated 60m north and high uphill of Trench OP-2000-03. It exposed a 0.4m to 1.0m wide lens of rusty red gossan which returned 1.4% Zn across 1.0m (TW) and is hosted by black phyllitic fault gouge.

Trench OP-2000-04 was excavated 30m south and steeply downhill of Trench OP-2000-03 (Cominco Trench #2). It exposed a dark brown gossan (0.9% Zn across 0.4m (TW)) hosted by talc-mica schists flanked by black schists.

These trenches along with poor zinc results reported in the old International Adit some 125m vertically below demonstrated that the Cominco Trench #2 zone pinches in all directions and zinc grades drop to low levels.

Five trenches were also excavated to test the southern extension of high grade zinc oxide mineralization (15.6%Zn/7.1m (Shearer and McClaren, 1999) reported near the portal of the International Adit (Figures 6). These trenches all ended in overburden. This southern extension remains untested.

#### NORTHERN SECTOR

Two old hand trenches and three drill holes are noted by Whiting (1948) 340m north of Cominco Trench #1 (Figure 7). No results are known from these old workings. The geology and character of mineralization in this area differs from elsewhere in the area as the Oxide Fault crosses into a block of Reeves Formation dolostones and limestones. Trench OP-2000-09 was excavated to test this section. It exposed a 31.9m wide zone of fractured moderately rusty

dolostones. A 6.5m section in this trench was left untested under deep overburden. The best section in this trench returned 2.1% Zn across 4.3m (TV/).

#### 3.2.2 A-ANOMALY TRENCH

The A-Anomaly trench (OA-2000-01) was dug some 350m south of the International Adit portal near a 711 ppm zinc-in-soil anomaly in an area of numerous scattered zinc-in-soil anomalies (Figure 5). The trench ended in overburden. It is the opinion of the author that the source of this zinc-in-soil anomaly lies in steep terrain to the northwest and the large area of scattered zinc-in-soil anomalies in the close vicinity of A-Anomaly is landslide debris derived from that terrain. Due to time constraints, reconnaissance exploration of this revised target area was not investigated.

#### 3.2.3 B-ANOMALY TRENCH

The B-Anomaly trench (OB-2000-01) is located some 550m northeast of Cominco Trench #1 (Figure 5). It was dug near a single station 1611 ppm zincin-soil anomaly on a possible projection of the Oxide Fault. An initial pit directly on the anomaly site found black unmineralized schist beneath shallow overburden. The 26m long trench was dug some 10m to the south and uphill of the anomalous site, and exposed black schists and quartzites. The only mineralization recognized in the trench was a zone of rusty schist and mir or quartz veins which returned 0.3% Zn across 4.6m (TW). This may or may not be the source of the zinc-in-soil anomaly but the trenching did demonstrate that there is no large zinc oxide zone in the immediate vicinity.

#### 3.2.4 LAST CHANCE AREA

The Last Chance area is located some 2km northeast of the B-Anomaly (Figure 8). At Last Chance, one trench (LC-2000-01) and several road cuts were excavated in the vicinity of reported zinc oxide mineralization in old adits and bulldozer cuts. Locally abundant dolostone float boulders were found in the vicinity, two of which returned 2.9% Zn and 12.0% Zn. All excavations in this program ended in overburden over the projection of the mineralized zones.

Sparse information from the abundant work done about 1948-53 (Livingstone 1953a,b) suggests that this zinc oxide zone pinches and swells over a long strike length. Anomalous zinc-in-soil values continue for several kilometers along strike. The B-3 Adit near Trench LC-2000-01 with 8.1% Zn from 5 representative samples over a 6.1m exposure was the best mineralization noted (hand-written) on the old maps.

This target remains open and untested by this program although the considerable work done in the 1950 era does not appear to have discovered any potentially economic near surface zinc mineralization.

#### 4.0 CONCLUSIONS

No new economically significant exposures of zinc oxide mineralization were found in the course of the 2000 trenching program on the Oxide Property. The exploration objective of testing the strike extent of the historically known wide high-grade zones of zinc oxide mineralization revealed the rapid pinch and swell nature of these zones.

Known near surface zinc oxide exploration targets left untested on the property are at an early stage of exploration, and are in overburden covered areas. Zinc sulphide exploration targets remain untested at depth.

### 5.0 COST STATEMENT

Total costs for the 2000 trenching program on the Oxide property are as follows. The field work covered the period August 11 - September 10, 2000 and report writing ensued intermittently through October to December 2000.

Labour and salari	es				\$	\$
Geologists	(George Gorzynski -	26.8	days @ \$	5 300 /day)	8,040.00	
	(Gerald Klein -	1.25	days @ \$	5 350 /day)	437.50	
Support	(V. Guinet	26.7	days @ \$	5 250 /day)	6,668.75	
						15,146.25
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Assays and analy	ses Acme Ana	alvtical	Laborator	ies		872.07
	74 rock p	rep + 10	CP analys	es @ \$10.30/sa	ample +	
	11 Zn ass	ays @	\$9/assay	+ \$10.87 hand	ling charge	
			-			
Logistics						
Accomodat	ion and meals (	54.7	days@\$	34.96 /day)	1,913.21	
Communic	ations				93,42	
Supplies ar	nd equipment				2,156.47	
Vehicle ren	tal (@\$51.12 / day) plι	ıs fuel			2,970.34	
Report com	pilation/drafting/copies	5			657.19	
						<u>7,790.33</u>
				TOTA	LCOSTS \$	35,353.95

#### 6.0 REFERENCES

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### AUTHOR'S CERTIFICATE

I, GEORGE GORZYNSKI, of 2483 Belloc Street, North Vancouver, British Columbia, Canada, do hereby certify:

(1) I am a Consulting Geological Engineer registered since 1987 with the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Canada, with Registration No. 15783, and I am a Qualified Person in the meaning of draft National Instrument 43-101 as applicable to a report of this nature.

(2) I am a graduate of the University of Toronto with a B.A.Sc. (Honours) in Geological Engineering - Mineral Exploration (1978) and with a M.A.Sc. from the University of British Columbia in Economic Geology (1986).

(3) I have practiced my profession in North America and overseas for 19 years.

(4) This report on the Oxide property has been prepared in compliance with the British Columbia Mineral Tenure Act - Part C as applicable to a report of this nature and as those regulations are understood by the author. It is based on reviews of public and private technical reports, other relevant documents, and the author's knowledge and experience working in the region and exploring for base metal deposits generally. The author personally carried out the sampling of the trenches described in this report and supervised the overall field program.

(5) I have no personal interest, directly or indirectly, in the subject property or in the securities of ZincOx Resources plc or in the securities of Indo Minerals Ltd. or in the securities of Cominco Ltd., nor do I expect to receive, directly or indirectly, any interest in such property or securities. My compensation for this report is strictly on a professional fee basis as a subcontractor to Redhawk Resources, Inc. who were contracted to carry out the work program by ZincOx Resources plc.

(6) I give permission to ZincOx Resources plc, to Indo Minerals Ltd., to Cominco Ltd. and to Messers Addie and Bourdon to use this report in support of assessment filings with the appropriate British Columbia gold commissioner's office or for other purposes in accordance with applicable government regulations.

Dated this 12th day of December 2000, in Vancouver British Columbia, Canada.

A. GORZYNSKI Georde Gorzyńs GINE Reg. No. 15783/

Association of Professional Engineers and Geoscientists of the Province of British Columbia

## APPENDIX 1

## CERTIFICATES OF ANALYTICAL/ASSAY RESULTS

ACMB ANA	LYT. 900	2 A	L	ATO	Co.	LT )			E		PIN	æ	r.	<b>f</b>	OUVE		d 🕺 ք		lR <b>G</b>	e Sectors	2	(60		3-3		FAX	1	)29	- 7	16
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Redhawk Resources, Inc. PROJECT OXIDE FILE # A003623

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B 26063 B 26064 B 26065 B 26066 B 26066 B 26067	55 18 2 5 <1	43 56 34 48 30	28374 28131 2969 13547 11790	14413 13673 3210 21646 99999	1.2 <.3 .7 3.0 54.2	57 47 84 221 530	5 11 22 11 5	1320 3149 5273 8898 5973	40.62 43.17 5.51 29.98 17.05	205 160 22 105 78	10 <8 <8 <8 15	<> <> <> <> <> <> <> <> <> <> <> <> <> <	<2 2 14 3 3	5 6 40 24 27	32.0 27.4 31.0 185.4 2762.0	42 40 <3 22 10	9 <3 11 <3	123 223 26 194 63	.09 .02 .04 .09 4.62	1.813 .823 .141 .619 3.848	20 20 56 47 22	109 89 15 38 32	.03 .07 .08 .32 .43	30 72 488 397 230	<.01 <.01 <.01 <.01 <.01	33533 33533	.15 .31 .62 .75 .77	.01 .01 .01 .01 .02	.02 .06 .17 .17 .23	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
B 26068 B 26069 B 26070 B 26071 B 26072	1 <1 <1 1	26 40 33 5 20	6633 344 377 3725 351	72209 4883 4487 99999 2144	11.5 2.7 1.7 28.6 .9	399 98 103 2774 68	13 25 19 <1 23	4430 745 1638 3581 2288	19.30 5.14 4.43 4.09 4.48	64 7 25 17	25 <8 <8 <8 <8	<> < < < < < < < < < < < < < < < < < <> </td <td>9 18 19 2 15</td> <td>18 11 26 17 8</td> <td>416.5 63.5 30.4 2948.4 21.1</td> <td>11 3 3 3 3</td> <td>ও ও ও ও ও ও ও ও</td> <td>64 13 11 10 13</td> <td>1.69 .23 .30 4.25 .04</td> <td>1.494 .164 .201 4.078 .073</td> <td>33 62 58 11 40</td> <td>32 28 23 5 11</td> <td>1.03 1.29 .94 .21 .09</td> <td>296 110 272 134 233</td> <td>.01 .01 .03 &lt;.01 &lt;.01</td> <td>&lt;3 3 7 5 4</td> <td>.89 2.19 1.71 .30 .51</td> <td>.02 .01 .01 .01 .01</td> <td>.49 .26 .38 .08 .20</td> <td>00000 00000</td>	9 18 19 2 15	18 11 26 17 8	416.5 63.5 30.4 2948.4 21.1	11 3 3 3 3	ও ও ও ও ও ও ও ও	64 13 11 10 13	1.69 .23 .30 4.25 .04	1.494 .164 .201 4.078 .073	33 62 58 11 40	32 28 23 5 11	1.03 1.29 .94 .21 .09	296 110 272 134 233	.01 .01 .03 <.01 <.01	<3 3 7 5 4	.89 2.19 1.71 .30 .51	.02 .01 .01 .01 .01	.49 .26 .38 .08 .20	00000 00000
B 26073 B 26074 B 26075 RE B 26075 B 26075 B 26076	19 6 <1 1 7	107 18 41 41 26	5650 5047 6711 6752 10901	17701 17156 20403 20353 39926	1.8 <.3 <.5 1.8	217 46 74 75 185	13 2 11 11 3	6838 1359 4368 4364 238	28.47 52.62 50.86 50.58 50.94	172 86 96 93 102	28 <8 <8 11 <8	~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	31 4 5 5 5	135.1 47.1 81.8 81.7 241.6	16 5 7 7 24	८३ ८३ ८४ ८४ ८४	117 56 62 62 52	.17 .03 .04 .06 .02	.489 .515 .563 .563 .791	45 8 15 15 25	80 152 155 159 84	.11 .04 .03 .04 .02	308 33 69 69 62	<.01 <.01 <.01 <.01 <.01	3 8 3 5 8	.66 .07 .08 .14 .12	.01 .01 .01 .01 .01	.10 .02 .03 .03 .02	88888 8888 8888 8888 8888 8888 8888 8888
B 26077 B 26078 B 26079 B 26080 B 26081	2 <1 1 6 5	19 70 142 28 40	7322 4278 15184 11108 15570	88325 24101 36788 40141 99999	58.1 .9 3.1 1.8 6.7	30 108 206 189 744	2 4 12 4 9	5441 2624 7581 432 9943	4.92 50.15 39.87 50.62 24.81	30 120 136 102 84	19 9 22 <8 13	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	<2 3 2 2 2 2 2 2 2 2	28 8 6 5 6	282.0 148.1 192.9 245.8 336.0	5 <3 30 21 7	<3 16 23 3 8	1 45 87 52 55	14.88 .04 .32 .02 .13	.045 .638 .802 .798 .580	7 24 48 23 50	12 ( 78 78 90 34	6.22 .05 .16 .03 .27	53 115 113 68 102	<.01 <.01 <.01 <.01 <.01	3 3 3 3 9 3 3	.09 .13 .30 .15 .25	.02 .01 .01 .01 .01	.01 .04 .04 .02 .04	~~~~
B 26082 B 26083 B 26084 B 26085 B 26085 B 26086	<1 1 5 6 5	10 14 16 20 33	18148 14419 15573 13703 10781	29060 30468 19422 15818 17658	3.4 .7 <.3 <.3 .3	175 179 117 125 193	6 12 9 7	455 2129 1871 2180 4771	45.21 50.36 51.82 51.78 48.97	113 123 119 111 121	<8 16 <8 <8 11	<2 3 2 2 2 2 2	<2 <2 <2 <2 <2 <2 <2	4 3 2 3	163.0 78.1 59.9 49.4 41.3	19 17 24 29 21	उ उ उ उ उ उ	69 96 155 294 109	.04 .03 .01 .02 .01	1.071 .507 .538 .467 .514	68 38 25 17 29	43 75 68 74 97	.02 .05 .05 .05 .06	30 27 23 19 64	<.01 <.01 <.01 <.01 <.01	7 8 10 6 <3	.03 .16 .11 .09 .25	.01 .01 .01 .01 .01	.02 .02 .02 .02 .03	~~~~
B 26087 B 26088 B 26089 B 26090 B 26091	3 5 2 5 2	54 51 33 51 15	11380 8310 4325 14093 492	12176 6254 3886 8867 3274	<.3 <.3 <.3 1.0 1.5	270 142 102 119 69	18 17 20 70 10	13016 8360 4718 24440 2671	29.26 18.71 10.38 22.08 3.99	139 81 39 78 19	19 13 <8 38 <8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2 4 12 12	17 32 34 74 33	29.8 15.5 10.9 62.3 25.1	15 12 7 11 <3	11 11 3 3 3	158 148 83 77 12	.04 .02 .03 .07 .47	.507 .431 .261 .503 .261	59 39 37 60 39	44 18 15 15 12	.10 .07 .05 .11 .13	355 478 375 781 299	<.01 <.01 <.01 <.01 .01	33335 5	.76 .85 .72 1.11 .74	.01 .01 .01 .01	.06 .07 .09 .17 .24	~~~~~
STANDARD C3	26 1	66 3	38 4	170 47	5.3 <.3	40 8	12 4	800 515	3.48 1.98	59 <2	20 <8	<2 <2	21 5	30 69	24.0 <.2	13 <3	21 <3	77 36	.60 .62	.089 .092	19 7	173 72	.64 .60	155 217	.09 .12	25 7	1.90 .91	.04 .07	.16 .44	16 2

Sample type. ROCK R150 600. Samples beginning 'RE' are Returns and 'RRE' are Reject Returns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

ADAR ANALYTICAL				F	Redh	<b>I</b> awk	Re	sou	rce	<b>.</b>	Inc	. PI	ROJI	ECT	OXI	DE	FI	LE	₩. # AC	036	<b>E</b> 523			P	age	<b>E</b> a 3				ALL L WALYTICAL
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppmr	Co ppm	Mn ppm	Fe %	As ppm	U mqq	Au ppm	Th ppm	Sr ppm	Cd ppm	sb ppm	Bi ppm	۷ mqq	Ca %	P %	La ppm	Cr ppm	Mg %p	Ba om	Ti %	B ppm	Al %	Na %	К %	W ppm
B 26092 B 26093 B 26094 B 26095 B 26096	2 3 28 2 6	72 23 13 2 46	331 171 3778 107 17263	3479 1958 38000 99999 29034	.8 .7 <.3 <.3 10.0	293 122 37 8 55	25 13 6 <1 13	1378 1394 6292 673 1638	4.77 3.29 10.05 3.16 31.87	20 13 20 30 79	<8 <8 <8 <8 <8	< < < < < < < < < < < < < < < < < <> </td <td>10 13 3 &lt;2 10</td> <td>37 11 293 48 15</td> <td>6.3 6.6 97.3 772.6 272.0</td> <td>ও ও ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫</td> <td>&lt;3 3 &lt;3 4 &lt;3</td> <td>38 16 42 6 35</td> <td>.06 .03 5.46 12.95 .23</td> <td>.107 .062 .029 .055 .310</td> <td>40 35 6 4 24</td> <td>32 17 39 3 26 5 54</td> <td>76 4 30 1 35 4 80 21 2</td> <td>57 . 15 . 25 . 58 &lt;. 51 &lt;.</td> <td>09 05 02 01 01</td> <td>&lt;3 1 &lt;3 18 &lt;3 &lt;3</td> <td>.54 .82 .95 .03 .28</td> <td>.01 &lt;.01 .33 .01 .01</td> <td>.25 .34 .12 .01 .13</td> <td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td>	10 13 3 <2 10	37 11 293 48 15	6.3 6.6 97.3 772.6 272.0	ও ও ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫ ৫	<3 3 <3 4 <3	38 16 42 6 35	.06 .03 5.46 12.95 .23	.107 .062 .029 .055 .310	40 35 6 4 24	32 17 39 3 26 5 54	76 4 30 1 35 4 80 21 2	57 . 15 . 25 . 58 <. 51 <.	09 05 02 01 01	<3 1 <3 18 <3 <3	.54 .82 .95 .03 .28	.01 <.01 .33 .01 .01	.25 .34 .12 .01 .13	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
B 26097 B 26098 RE B 26098 STANDARD C3 STANDARD G-2	1 <1 25 2	2 1 1 62 3	100 33 34 35 <3	999999 191 187 168 44	<.3 <.3 <.3 5.2 <.3	5 2 2 37 8	1 <1 <1 12 4	455 184 185 761 524	1.27 .24 .24 3.37 2.04	32 3 2 57 <2	<8 <8 <8 21 <8	<2 <2 <2 3 <2	<2 <2 <2 20 5	53 74 74 30 75	258.4 2.3 2.2 22.0 <.2	<3 6 8 16 <3	4 <3 24 <3	6 2 2 80 43	12.31 17.19 17.19 .60 .62	.044 .008 .008 .091 .100	3 <1 <1 17 7	31 6. 2 8. 2 8. 166 75	81 53 54 62 1 62 2	20 <. 4 <. 5 .	01 01 01 10 16	4 <3 <3 21 <3	.02 .01 .01 .82 .94	.01 .01 .01 .04 .04	<.01 <.01 <.01 .16 .49	<2 <2 <2 15 2

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

#### INGE : VE JUVE 3 ) ASSAY CERTIFICATE

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Redhawk Resources, Inc. PROJECT OXIDE File # A003623R 900 - 543 Granville St., Vancouver BC V6C 1X8 Submitted by: George Gorzynski

SAMPLE#	Zn %	
B 26066 B 26067 B 26068 B 26071 B 26071 B 26076	2.26 17.55 7.72 34.58 4.48	
B 26077 B 26080 B 26081 RE B 260 B 26094	$ \begin{array}{c} 9.71 \\ 4.66 \\ 21.82 \\ 21.14 \\ 3.64 \end{array} $	
B 26095 B 26097 STANDARI	11.99 13.03 D GC-2 16.48	

GROUP 7AR - 0.250 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES. - SAMPLE TYPE: ROCK PULP <u>Samples beginning 'RE' are Reruns and 'RRE</u> are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.