GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS

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ASSESSMENT REPORT ON GEOCHEMICAL WORK ON THE FOLLOWING CLAIM

HOT TIP ..... 331437 [Part of the "Best Bet" Property]

located

45 KM NORTH-NORTHWEST OF STEWART, BRITISH COLUMBIA SKEENA MINING DIVISION

56 degrees 22 minutes latitude 130 degrees 07 minutes longitude

N.T.S. 104B/8E

PROJECT PERIOD: July 16 to Sept. 28, 1995

ON BEHALF OF TEUTON RESOURCES CORP. VANCOUVER, B.C.

FILMED

REPORT BY

D. Cremonese, P. Eng. 509-675 W. Hastings Vancouver, B.C. Vancouver, B.C. SSESSMENT REPOR Date: January 27, 1996

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### 1. INTRODUCTION

## A. Property, Location, Access and Physiography

The Hot Tip claim is situated approximately 10 km north-northwest of the airstrip at Tide Lake Flats (just north of the old Granduc concen-trator). Access from Stewart, 45 air-kilometres to the south, is by helicopter; alternative access is via the Granduc road to the aforementioned air strip and thence by helicopter. Access by foot is possible from the terminus of the Granduc Road system near the old East Gold mine, however this would entail a hazardous crossing over a highly crevassed glacier.

The claim area is centered on a roughly 1,000m long by 100 to 400m wide rock exposure bounded to the south by the west-east trending "Little Canoe" or "DC" Glacier (the first valley glacier north of the giant Frankmackie Glacier) and to the north by an extensive icefield.

Terrain is mostly moderately steep to precipitous with elevations ranging from 1,400m in the southeast corner to over 1,800m near the height of land in the north central portion of the claim. All of the claim area is above treeline. Vegetation consists solely of lichens, grasses and the occasionally hardy shrub.

Climate is typical of the Stewart area: precipitation year round with heavy snowfall during winter months. Field season is generally confined to the period between mid-July and early October.

# B. Status of Property

The Hot Tip claim forms part of the Best Bet property, formerly known as the Delta property.

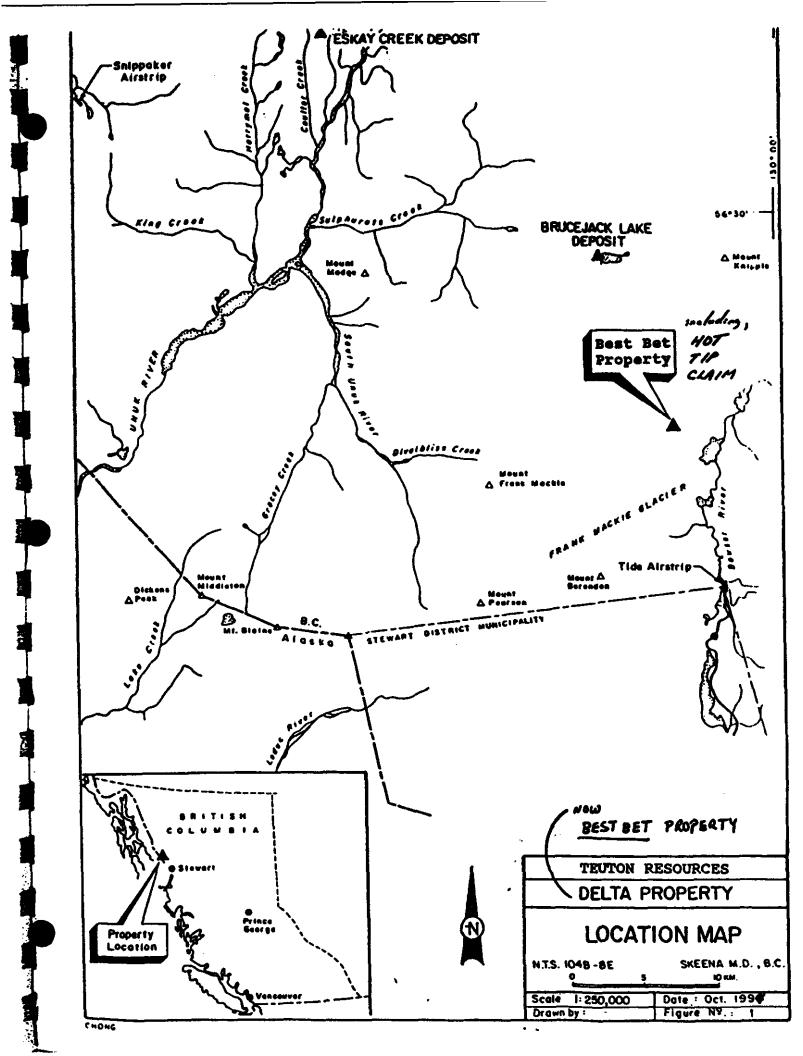
Relevant claim information is summarized below:

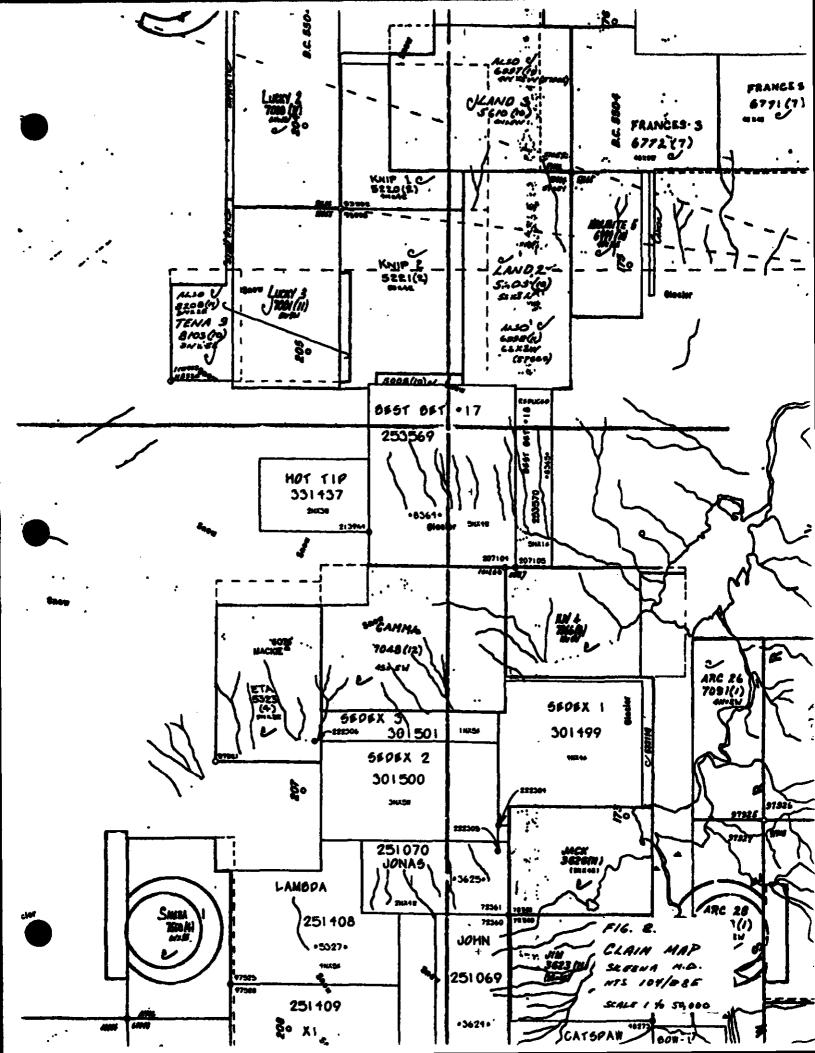
Name	Tenure No.	No. of Units	Record Date
Hot Tip	331437	6	Sept. 30, 1994

The claim is shown on Fig. 2 and is owned by Teuton Resources Corp. of Vancouver, British Columbia.

### C. History

In 1966/67 the claim area formed part of a regional study by the B.C. Department of Mines under the direction of Ted Grove, P.Eng (Ref.3). A review of the standard geological and government





references indicates there was no recorded work undertaken in the immediate vicinity of the property prior to this time.

The area remained dormant until the early 1980's when rising precious metal values prompted many exploration companies to initiate new reconnaissance programs. Teuton Resources staked the surrounding ground in 1982 under the presumption that geology similar to that occurring at the Sulphurets property 15 km to the north may have been exposed by retreating ice. [Note: During this period the Hot Tip, Best Bet 17 & 18 claims were covered by the Feld, Delta and Alpha claims: the latter two claims were inadvertently allowed to lapse by an optionee in 1989]. The assumption was partially confirmed by a prospecting expedition in 1983 which uncovered a large alteration zone made up, among other units, of sericite schists and pyritized sediments.

Geochemical stream sediment and rock character sampling during a reconnaissance program carried out in 1985 by Teuton Resources Corp. (Ref. 7) resulted in the discovery of a number of samples highly anomalous in gold and silver.

The property was optioned to Territorial Petroleum a year later. Territorial drilled a few short holes to test for extensions of a native gold occurrence noted the previous year on the topland in the northeastern quadrant of what is now the Best Bet 17 claim. This program failed to uncover any economic mineralization. Reconnaissance investigations carried out at the same time were more fruitful. A soil geochem survey along 30m topographic contours, sample interval 25m, disclosed a number of distinct +400 ppb gold anomalies (with roughly coincident silver, lead, and zinc anomalies), located in the western half of the Delta claim [now covered by Best Bet 17 claim]. Rock sampling in the center of one of the anomalies provided samples of up to 0.2 ounces per ton in a silicified tuff.

The property was re-optioned to Canarc Resources Corp. in 1989. During 1989-1990 Canarc carried out a comprehensive exploration program consisting of prospecting, sampling, trenching, geological mapping, geochemical surveys and both airborne and ground geophysical surveys. Several targets were located as a result of this work including two prominent IP-resistivity anomalies (with coincident Mag/VLF trends) in the "M" and "J" zones. Canarc dropped the option in early 1991 and the property reverted to Teuton.

In 1991, Teuton carried out a program of geochemical soil sampling over the "M" and "J" zones. This program disclosed a sharp Au-Ag-Pb-Zn geochemical anomaly coincident with the geophysical anomalies detected during the 1990 Canarc survey. The following year a small program was also undertaken to extend and fill-in the grid sampled in 1991. An unexpectedly early snowstorm severely restricted the scope of this latter work. In 1994, a small work program was undertaken in the southwest corner of the Best Bet 17 claim, an area which had previously been only lightly explored. Reconnaissance geochem rock sampling uncovered a number of argillite float boulders carrying anomalous gold values ranging up to 0.405 opt. Source was not located.

## D. References

1. ALLDRICK, D.J. (1984); Geological Setting of the Precious Metals Deposits in the Stewart Area, Paper 84-1, Geological Fieldwork 1983, B.C.M.E.M.P.R.

2. GROVE, E.W. ET AL (1982); Unuk River-Salmon River-Anyox Area. Geological Mapping 1:1000000 B.C.M.E.M.P.R.

3. GROVE, E.W.(1982); The Frankmackie Glacier Property, A Summary Report Compiled for Teuton Resources Corp. (Private).

4. GROVE, E.W. (1971); Geology of Mineral Deposits of the Stewart Area. Bulletin 58, B.C.M.E.M.P.R.

5. CREMONESE, D. (1983); Assessment Report on Prospecting Work on the Following Claims, Alpha #3619(112) and Delta #3622(11). NTS 104B/8E.

6. GROVES, W.D. & SHELDRAKE, R.(1984); Assessment Report on Geophysical Work (Airborne EM and Mag) on the Bowser River Properties of Teuton Resources Corp. NTS 104B/8E

7. CREMONESE, D., P.ENG. (1985); Assessment Report on Geological and Geochemical Work on the Alpha and Delta Claims, NTS 104B/8E.

8. CREMONESE, D., P.ENG., (1987); Assessment Report on Diamond Drilling Work on the Delta Claim, NTS 104B/8E. On file with Dept. of Energy, Mines & Petroleum Resources.

9. WILSON, JOHN & MCCROSSAN, ED (1990); Geological, Geochemical and Geophysical Report on the Delta Property near Stewart, British Columbia. Private Report for Canarc Resources Corp.

10. CREMONESE, D., P.ENG., (1992); Assessment Report on Geochemical Work on the Best Bet 17 & 18 Claims, NTS 104B/8E. On file with BCDEMPR.

11. CREMONESE, D., P.ENG., (1993); Assessment Report on Geochemical Work on the Best Bet 17 & 18 Claims, NTS 104B/8E. On file with BCDEMPR.

12. CREMONESE, D., P.ENG., (1995); Assessment Report on Geochemical Work on the Best Bet 17 Claim, NTS 104B/8E. On file with BCDEMPR.

#### E. Summary of Work Done

The 1995 work on the Hot Tip claim was part of a larger program covering several Stewart area properties spanning the period from July 16 to the end of the field season. Field crew consisted of Ed Kruchkowski, senior geologist, and the author. Alex Walus, geologist, was part of the 1995 reconnaissance team but did not participate in the Hot Tip work as he had to return briefly to Vancouver for personal reasons.

The object of the 1995 program was to trace to source gold-bearing argillite boulders found in 1994 just outside the Hot Tip claim boundary on the Best Bet 17 claim. Altogether 19 reconnaissance geochemical rock samples were taken during the one day visit to the property. The crew was flown in and out of the property by helicopter from the base at Stewart. Another attempt was made to fly into the property later in September but this effort was precluded by inclement weather (cost associated with this attempt have not been included in the Work Cost Statement).

All assays on rock samples were performed by Eco-Tech Laboratories of Kamloops.

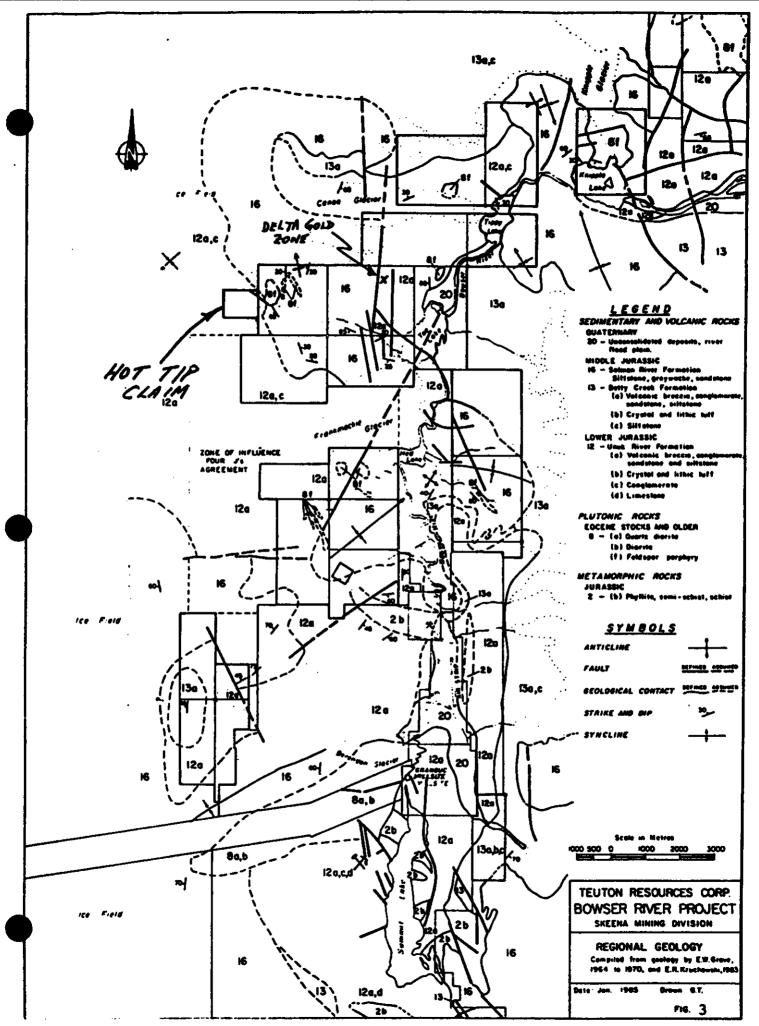
#### 2. TECHNICAL DATA AND INTERPRETATION

#### A. Regional Geology

The Hot Tip claim lies in the Stewart area east of the Coast Crystalline Complex and within the western onlap boundary of the Bowser Basin. Rocks exposed in the area belong to the Mesozoic Hazelton Group and have been folded on regional NW-SE axes, cut by faults and selective tectonism, locally hydrothermalized and intruded by plugs of both Cenozoic and Mesozoic age.

Locally, within the Hazelton Group, Lower Jurassic volcanic and sedimentary rocks of the Unuk River Formation are unconformably overlain by the Middle Jurassic marine and non-marine volcanics and sediments of the Betty Creek Formation, the volcano-sedimentary Upper Jurassic Salmon River Formation, and the post-accretion fine clastic basinal Nass Formation.

In the study area the Unuk River Formation is overlain by Lower Middle and Middle Jurassic rocks from the Betty Creek and Salmon River Formations, respectively. A variable to high angle unconformity is in places traceable between the underlying (steeper) Unuk River cycle of volcanics and overlying (flatter) cycle of often similar-looking Betty Creek volcanics. Geometry of the interface between the Betty Creek and overlying Salmon River is, at most, somewhat disconformable: the Nass Formation overlies



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as a sedimentary quiet basin-filling onlap with only a relatively minor erosional component from the island-arc and/or accreted terrane.

The Betty Creek Formation consists of submarine pillow lavas, broken pillow breccias, andesitic and basaltic flows, plus (emergent) green, red and purple volcanic breccia, conglomerate, sandstone and siltstone with minor crystal and lithic tuff, limestone, chert and coal. Also included in the sequence are pillow lavas and volcanic flows.

According to Grove (Ref. 2 & 3), the majority of the rocks from the Hazelton Group were derived from the Hazelton age andesitic volcances subsequently rapidly eroding to form overlapping lenticular sedimentary wedges varying laterally in grain size from breccia to siltstone.

Intrusives in the region are dominated by the granodiorite of the Coast Plutonic Complex (to the west). Some of the smaller intrusive plugs in the study area range from quartz monzonite to granite and are likely related outlyer processes associated with the Coast Plutonic Complex.

Regional geology is presented in this report in Fig. 3.

# B. Property Geology

The Hot Tip claim is underlain by a sequence of Lower Jurassic rocks consisting of the Unuk River, Betty Creek and Mount Dilworth Formations. The Unuk River Formation is a sequence of green andesitic tuffs, agglomerates and flows that have been locally altered to quartz-sericite-pyrite schists. A section of coarse, purple coloured, andesitic breccias are located to the west of the green volcanics. These rocks, which are correlated to the Betty Creek Formation, are locally very intensely altered to a guartzsericite-pyrite schist. These altered rocks extend up to 50m in width and can be traced over strike lengths of several hundred metres. West of the purple volcanic breccia, a thick sequence of thinly bedded argillites was observed. Overlying the above rocks is a thin sequence of grey, weakly pyritic rhyolites. These formations are generally striking to the northwest with steep dips to the east.

Just above the DC Glacier, in the southeast corner of the Hot Tip claim, pyritic lenses and pods occur in green, chloritic, pyroclastic rocks. These pods vary from a few centimetres to over 4 metres in width but have strike lengths of only 10's of metres. Very fine grained pyrite usually forms 10-30% of the mineralized pods. These mineralized zones which appear to trend to the northwest appear to occur at the intersection of northwest trending fractures with more easterly trending ones. Northwest of the pyritic lenses, in the south-central portion of the claim, a large north-south trending quartz-sericite-pyrite schist zone occurs over a considerable strike length. The zone is at least 50m in width but can be locally obscured by ferrocrete. It weathers a distinct yellowish colour. Fine grained pyrite forms up to 5% of the rock while randomly oriented quartz veinlets comprise approximately 10% of the alteration zone. The alteration zone becomes a series of narrow alteration stringers extending south into the purple pyroclastic unit. These stringers ultimately disappear within 50-75m of the main alteration zone. To the north the zone is obscured by snow and ice.

The argillite unit, to the west of the above rocks, is a thick sequence of generally thinly bedded argillite with minor siltstone. These argillites are locally brecciated and carbonate altered along discontinuous zones up to 3-4m in width. The carbonate altered zones weather a very distinct orange colour. Occasionally, blebs of galena and sphalerite occur within quartz-calcite cementing the argillite fragments. Locally, the above sulfides along with pyrite form up to 4-5% of the brecciated rock. The brecciated zones generally strike approximately 315 degrees with shallow dips to the southwest.

A large quartz stockwork zone up to 2-3m in width occurs in the west central portion of the claim. The zone strikes approximately 320 degrees and appears to originate in the quartz-sericite-pyrite schist. The stockwork was traced for over 150m to the northwest at which point the zone becomes a series of widely spaced quartz stringers that ultimately pinch out. Sparse pyrite occurs along the wall areas of the otherwise barren quartz.

A fine grained intrusive dyke was observed in the northwest corner of the claim area. The dyke was a pale cream colour and was possibly felsic in composition. It was weakly sericitic, altered pink to grey and contained a quartz stockwork that formed 10% of the rock. Fine grained pyrite formed 1-2% of the rock which was also generally strongly manganese stained.

At least three different types of mineralized float boulders have been located within the claim area. The first type consists of carbonate altered and brecciated argillite boulders with a strong quartz-calcite stockwork cementing the fragments. This stockwork can form up to 10-15% of the rock. Minor galena, sphalerite and pyrite are present in the quartz-calcite stringers as well as pyrite forming fracture fillings. Sulfide content varies from less than 1% to as much as 7-8%. Source for these boulders has not been located. It is speculated that the source may be at higher elevations in the northern part of the claim.

The second type of boulder consists of sericite altered boulders with stringers and blebs of massive pyrite and pyrrhotite forming 10-15% of the rock. Barren but abundant quartz-calcite veinlets accompany the pyrite-pyrrhotite. The source of these sericite altered boulders is likely the large sericite alteration zone.

The last type of float was observed in the west central portion of the claim and consists of quartz cobbles mineralized with pyrite, arsenopyrite and minor tetrahedrite (about 3-10% of the rock). It is speculated that the previously mentioned quartz stockwork zone may be the source of this float.

#### C. Geochemistry--Rocks

# a. Introduction

The object of the 1995 work program was to investigate the Hot Tip claim for source of the gold-bearing argillite boulders discovered in the previous year's program on the adjacent Best Bet 17 claim. Altogether 19 samples were taken: 4 grab and 15 float. Sample locations were fixed by reference to a base map prepared from a government topographic map and were tied in, where possible, to prominent physiographic features.

# b. Treatment of Data

Geochemical reconnaissance sampling results are presented in this report on Fig. 4 drawn at a scale of 1:5,000. A table in Fig. 4 shows gold and silver values in ppb and ppm, respectively (opt in boldface), and arsenic, copper, lead and zinc values in ppm (% in boldface).

As in other small-scale surveys, a statistical treatment according to standard methods was not deemed practical. In lieu of such treatment, the author has simply chosen anomalous levels by reference to several rock geochemical programs conducted over other properties in the Stewart region over the past ten years. On this basis, anomalous levels are indicated below:

<u>Element</u>	Anomalous Above*		
Gold	100 ppb		
Silver	3.6 ppm		
Arsenic	120 ppm		
Copper	200 ppm		
Lead	160 ppm		
Zinc	320 ppm		

• Anomalous ranges will vary greatly according to rock type. For this reason, defining anomalous levels for any particular property based on regional averages is somewhat arbitrary.

# c. Sample Descriptions

NOTE: For reference, element values for Au, Ag, As, Cu, Pb and Zn have been appended below the sample descriptions where any one of the six elements exceeds 2X the anomalous threshold indicated in the previous section (with all of those elements reporting 2X threshold highlighted in bold).

ERK-279 Float, small cobble. Brecciated argillite with 50% qtz stockwork, about 1-2% sphalerite and coarse-grained pyrite as blebs.

Au	-	5	ppb	Ъg	-	1.23 opt
λs	-	110	ppm	Cu		204 ppm
Pb	-	1378	ppm	2n	-	1.15 🍾

ERK-280 Float, 0.5m angular boulder. Argillite with strong parallel quartz veining with about 40% coarse pyrite along fine qtz veinlets. Trace galena.

λu	-	0.061	opt	λg	-	8.6 ppm
λs	-	445	ppm	Cu	-	115 ppm
Pb	-	282	ppm	Źn	-	373 ppm

ERK-281 Float, fist-sized. Strong parallel qtz stockwork with minor argillite bands; minor coarse sphalerite, trace galena, pyrite about 0.5%.

Au	-	35 pp	b Ag	-	4.4 ppm
As	-	<5 pp	m Cu	-	230 ppm
Pb	-	766 pp	n In	-	3215 ppm

ERK-282 Float. Sheared argillite with massive pyrite bands; pyrite about 30%.

λu	-	220 ppb	λg	-	7.0 ppm
λs	-	670 ppm	Cu	-	25 ppm
Pb	-	110 ppm	Zn	-	209 ppm

ERK-283 Float, 0.3m boulder. Qtz-carb replacement in brecciated argillite, minor argillite fragments; local coarse galena and sphalerite with minor pyrite.

Au	-	30 ppb	Ag	-	2.27 opt
As	-	40 ppm	Cu	-	40 ppm
Pb	-	1.91 %	Zn	-	5.94 %

ERK-284 Grab. From 0.15m wide fracture zone in argillite/banded qtz carbonate with traces of galena. Strike 315/55.

λu	-	5	ppb	λg	-	4.8	ppm
λs	-	15	ppm	Cu	-	142	ppm
Pb	-	1208	ppm	<b>Sn</b>	-	4860	ppm

ERK-285. Float. Fist-sized sugary quartz with 7-10% aspy. Rock appears to be out of sericite schist.

<b>Au</b>	-	0.146	opt	λg	-	1.16	opt
λs	-	5.52	<b>k</b>	Cũ	-	43	ppm
Pb	-	204	ppm	Zn	-		ppm

ERK-286 Float. Sericitic schist with about 3% pyrite and 0.5% of fine-grained tetrahedrite(?).

Au	-	160	ppb	Ъg	-	3.8	ppm
λs –		2255	ppm	Cu	-	14	ppm
Pb	-	60	ppm	Zn	-	157	ppm

ERK-287 Grab. Outcrop of pale cream coloured rock, altered pink to grey, weakly sericitic, about 3-4m wide. Strong Mn stain; f.g pyrite about 1-2%, about 10% qtz stockwork.

Au	-	25 ppb	λg	-	2.2 ppm
λs	-	240 ppm	Cu	-	7 ррт
Pb	-	556	Zn	-	866 ppm

- DC-54 Float, from two argillite cobbles shot with qtz calcite veinlets. Brecciated, no visible sulfides.
- DC-55 Float, 1.2m angular boulder. Argillite with fine qtz veinlet stockwork. Minor pyrrhotite.
- DC-56 Float. Similar description to last sample, sparse sulfides. Highly weathered.
- DC-57 Float, 0.3m sub-angular. Banded, silicified argillite with minor disseminated pyrite.
- DC-58 Float, fist-sized cobble. Argillite with minor qtz veinlets, sparse pyrite; orange-pale green stain.
- DC-59 Grab. From outcrop of contorted argillite. Minor pyrite, disseminated.
- DC-60 Float, 0.15m angular. Argillite with moderate qtz calcite stockwork; 2-3% diss pyrite.
- DC-61 Grab. Argillite, close to contact with rhyolite. Intense stockwork, 2-3% pyrite.
- DC-62 Float, 25cm angular plate. Sericite schist with abundant fine grained pyrite, about 20-30%.

λu	-	145	ppb	λg	-	2.6 ppm
λs	-	520	ppm	Cu	-	6 ppm
Pb	-	24	ppm	Zn	-	150 ppm

DC-63 Float (possibly sub-crop). Fine-grained, silicified mudstone with <1% very fine-grained disseminated pyrite.

# d. Discussion

Five of the nineteen samples taken during the 1995 program returned anomalous gold values ranging from 145 ppb to 0.146 opt. These golds were all accompanied by anomalous arsenic values (ranging from 445 ppm to 5.52%) and generally anomalous silver values (ranging from 2.6 ppm to 1.16 opt). Anomalous gold values were obtained from both argillite and sericite schist type float boulders.

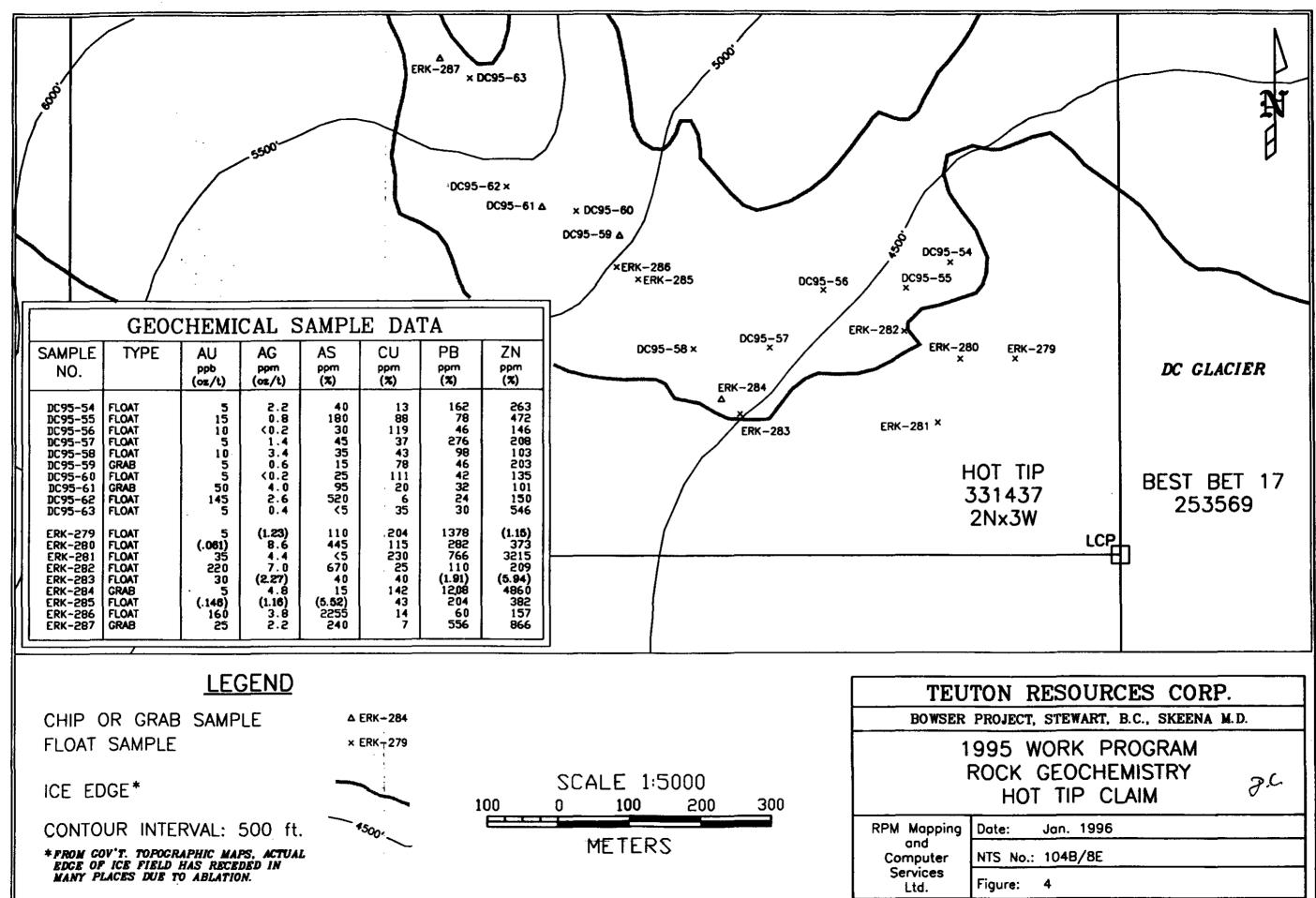
A few argillite float boulders carrying anomalous Ag-Pb-Zn values with generally low gold values were also taken. The best of these, sample ERK-283, ran 2.27 opt Ag, 1.91% lead and 5.94% zinc.

Geochemically, there is no strong correlation between the samples taken during the 1995 program and the targeted high gold-bearing samples from the 1994 reconnaissance just east of the Hot Tip on the Best Bet 17 claim. The two best gold values from the 1994 work, 0.314 opt (ERK-924) and 0.405 opt (ERK-925), were each accompanied by anomalous values in silver, arsenic, copper, lead and zinc. This suggests, possibly, that the source for the 1994 high-grade samples lies uphill rather than up-ice. However, the scope of the 1995 reconnaissance work was too limited in nature to exhaust possibilities for the source occurring in an up-ice (i.e., westerly) direction.

#### D. Field Procedure and Laboratory Technique

Rock samples were taken in the field with a prospector's pick and collected in a standard plastic sample bag. Grab samples were taken to ascertain character of mineralization at any specific locality. These samples consisted generally of three to ten representative pieces with total sample weight ranging between 0.5 to 2.0 kg. Chip samples were taken across the strike of mineralized structures and generally weighed about 1.0 to 2.0 kg. Interval samples from chip lines were carefully taken to ensure a balanced weighting of sub-samples along the interval length.

All rock samples were prepared in the Eco-Tech laboratory in Stewart, B.C.. After standard sample preparation, a .500 gram subsample from each rock/soil sample was digested with 3ml of 3-1-2 HCl-HN03-H20 at 95 degrees Centigrade for one hour, then diluted to



10 ml with water. The resulting solution was tested by Inductively Coupled Argon Plasma to yield quantitative results for 30 elements. Gold was analysed by standard atomic absorption methods from a 10 gram subsample. All analyses were completed in Eco-Tech's main facility in Kamloops.

# E. Conclusions

The 1995 work program resulted in the discovery of gold-bearing float in the central portion of the Hot Tip claim. However, this float does not appear geochemically similar to the high-grade float discovered the previous year just over the boundary to the east on the Best Bet 17 claim. It probably originates from a separate source or sources.

Further work is warranted to follow-up the source of the goldbearing float found in both the 1994 and 1995 programs. A control grid should be emplaced and the area methodically sampled and geologically mapped. Gold anomalous structures should be trenched to unweathered surface (if possible) and resampled. Favourable results would lead to an extended program possibly including diamond drilling.

Respectfully submitted,

D. Cremonese, P.Eng. January 27, 1996

APPENDIX I - WORK COST STATEMENT		
Field PersonnelPeriod July 16 to Sept. 28, 1995:		
E. R. Kruchkowski, Geologist	•	250
1.0 day @ \$360/day	\$	360
D. Cremonese, P.Eng. 1.0 day ê \$400/day		400
Helicopter Vancouver Island Helicopters (VIH) Crew drop-offs/pick-ups: Sept. 7		
VIH: 1.3 hrs. @ \$754.62/hr.		981
Shared project costs (prorated at 1.30**)		
Logistics/supervision/bad weather standby in Stewart		
1.30% of \$11,233)		146
Mob/demob crew (home base to Stewart, return) 1.30% of \$7,845)		102
Food/accommodation		102
1.30% of \$8,365)		109
Local transportation/expediting/radios		
1.30% of \$5,273		69
Field supplies/misc.		
1.30% of \$3,690 Workman's compensation		48
1.30% of \$3,422)		44
11004 01 40/422)		
Assay costsEco-Tech Labs		
Au geochem + 30 elem. ICP + rock sample prep		
19 @ \$19.5275/sample		371
Au assay: 2 # \$9.63/sample		19
Au assay: 2 @ \$9.63/sample Ag assay: 3 @ \$4.28/sample As assay: 1 @ \$10.70/sample		13 11
Pb/Zn assays: 3 @ \$6.96/sample		21
		61
Report Costs		
Report and map preparation, compilation and research	ch	_
D. Cremonese, P.Eng., 2 days @ \$400/day		800
Draughting RPM Computer		120
Copies, report, jackets, maps, etc. TOTAL	<u>e</u> (	35
		LL¥32
Amount Claimed Per Statement of Exploration #3064777:	\$3,5	50**
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\* Based on ratio of field man-days to total project field man-days \*\*Please adjust PAC account accordingly.

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# APPENDIX II - CERTIFICATE

- I, Dino M. Cremonese, do hereby certify that:
- 1. I am a mineral property consultant with an office at Suite 509 - 675 W. Hastings, Vancouver, B.C.
- 2. I am a graduate of the University of British Columbia (B.A.Sc. in Metallurgical Engineering, 1972, and L.L.B., 1979).
- 3. I am a Professional Engineer registered with the Association of Professional Engineers of the Province of British Columbia as a resident member, #13876.
- 4. I have practised my profession since 1979.
- 5. This report is based upon work carried out on the Hot Tip mineral claim, Skeena Mining Division in September, 1995. Use of fieldnotes and maps prepared by geologist E. Kruchkowski is acknowledged.
- 6. I am a principal of Teuton Resources Corp., owner of the Hot Tip claim: this report was prepared solely for satisfying assessment work requirements in accordance with government regulations.

Dated at Vancouver, B.C. this 27th day of January, 1996.

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D. Cremonese, P.Eng.

Appendix III

Assay Certificates

# ASSAYING GEOCHEMISTRY ANALYTICAL CHEMISTRY ENVIRONMENTAL TESTING

22-Sep-95



10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700 Fax (604) 573-4557

# CERTIFICATE OF ASSAY AS 95-4027

TEUTON RESOURCES CORPORATION 509-675 W. HASTINGS STREET VANCOUVER, B.C. V6C 1N2

# ATTENTION: DINO CREMONESE

62 ROCK samples received in Stewart September 11, 1995 in Kamicops September 18, 1995

PROJECT #: Teuton SHIPMENT #: None given Samples submitted by: E. Kruchkowski

		· Au	Au	Ag	Ag	As	Cd	Co	Cu	· Pb	Zn
ET #.	Tag #	(0/0)	(oz/i)	(g/Q)	(oz/ij	(%)	(%)	(%)	(%)	(%)	(%)
1	ERK-95-266	-	-	67.3	1.96	•	•	•	•	•	•
2	ERK-95-267	•	-	42.6	1.24	•	•	•	•	•	2.02
3	ERK- <b>95-268</b>	-	•	148.3	4.33	-	0.11	-	٠	1.73	6.88
5	ERK- <b>95-270</b>	-	-	52.2	1.52	-	+	-	•	•	-
12	ERK-95-277	-	•	3840.0	111.99	•	0.22	-	-	5.33	5.61
- 13	ERK-95-279	•	•	42.2	1.23	•	•	•	•	-	1.15 7
14	ERK- <b>95-280</b>	2.10	0.061	-	•	-	-	•	-	-	- ( HOT
17	ERK- <b>85-283</b>	•	•	77.9	2.27	-	-	-	-	1.91	- <b>5.94 (</b>
19	ERK- <b>95-285</b>	5.02	0.146	39.6	1.16	5.52	•	•	•	-	_J*?
-22	ERK-95-288	4.84	0.141	-		•	+	*	•		•
27	ERK-95-293	1.73	0.050	-	-	-	-	-	-	-	2.22
28	ERK-95-294	3.06	0.069	•	-	-	-	-	-	-	-
30	ERK-95-296	-	-	77.3	2.25	-	•	-	-	-	-
31	ERK-95-297	-	•	-	-	-	-	-	-	-	5,91
32	ERK-95-298	•	•	133.5	3.89	-	•	-	•	-	-
33	ERK-95-299	7.73	0.225		•	-	•	-	•	•	•
34	ERK-95-300	96.20	2.805	-	•	2.23	•	0.09	-	-	-
35	ERK-95-301	106.10	3.094	-	•	1.18	•	0.05	-	-	-
37	ERK-95-303	•	-	57.1	1.67	•	-	•	•	-	-
40	DC-95-53	-	-	154.2	4.50	-	-	-	-	1.13	1.69
51	DC-95-64	-	-		•	-	0.29	-	•	-	28.83
52	DC-95-65	1.01	0.029	-	-	•	-	-	-	-	-
53	DC-95-66	-	•	-	•	•	0.31	-	-	-	22.64
54	DC-95-67	-	-	-	-	-	0.11	-	-	•	8.73
55	DC-95-68	•	-	79.4	2.32	-	-	0.02	1.11	-	
56	DC-95-69	27.30	0.796	•		15.75	-	0.68		•	•
58	DC-95-71	•	•	215.6	6.29	•		-	1.25	-	-

ezzotil, Mac. T. B.Q. Certified Assayer Frank J

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#### 21-8ep-95

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10041 East Trens Canada Highway KAMLOOPE, B.C. V2C 614

Phane: 804-573-5700

Fex: : 604-573-4557

Values in ppm unless otherwise reported



SD-475 W. HASTINGS STREET VANCOUVER, B.C. VIC 1M2

#### ATTENTION: DINO CREMONENE

65 ROCK complex resolved in Standard September 11, 1985 In Kantrope September 16, 1985 PROJECT & New given

Star Martin Car, Nacio glenn Samples ententiert by: E. Neuclineante

2	t #	Tag #	Au(ppb)	A	A %	As	. Şa	8	Ca %	Ç	Ce	<u>Cr</u>	Cu	Fe %	ما	Mg %	Min	Ne	Na %	N		<u></u>		80	-	11%	U.	V	. W.	<u> </u>	<u>Zn</u>	
1		RK-05-208	6	>00	0.17	65	40	•	> 16	150	13	17	2	1.76	0	0.05	7966	ব	<.01	6	190	3266	20	8	161	0.01	<10	- 6	<10	4	8015	
2	- 6	ERK-85-287	5	>30	0.40		- 65		> 15	301	- 20	41	- 49	3.30	<10	0.07	8712	- 4	<.01	- 14	390	3000	- 25		195	0.02	<10	•	<10	<1	>10008	
3	i 6	ift <b>K-05-26</b> 8	5	>30	0.21	145	30	- 4	6.75	> 1000	23	- 46	118	4.05	<10	<.01	3825	<1	<.01	- 14	430	>10000	- 86	- 40	- 79	0.02	<10	- 5	<10	<t< th=""><th>&gt;10000</th><th></th></t<>	>10000	
- 4	- E	ERIG-05-360	6	28.2	0.18		- 36	5	> 15	163	15	24	30	2.30	<10	0.15	2128		<.01	10	460	1000	15		307	0.00	<10	- 4	<10		7780	
5	6	ERK-05-270	5	>30	0.29	40	200	4	> 15	171	14		- 43	1.72	<10	0.07	9461	4	<.01	7	370	4674	25		189	0.02	<10	•	<10	2		
6		RK-85-271	5	72.0	0.50	110	85	4	8.85	115	21	73	. 32	2.71	<10	0.07	6276	3	<.01	11	670	1980	20		100	0.01	<10	11	<10	~1	4676	
7		RK-85-272	6	21.6	0.41	115	105	- 6	6,83	84	77	- 14	- 36	1,81	<10	0.04	3546	3	<.01	12	100		- 26		- 10	0.01	<10	- 11	<10	1	4801	
	Ľ.	RK-85-273	5	17.4	0.37	80	85		10.20	- 44	19	57	- 27	1.81	<10	0.05	4445	<1	0.02		840	604	- 30		120	0.05	<10	18	<10		2000	
	6	<b>RK-85-274</b>	5	14.4	0.40	85	80	- 4	7.85	41	- 32	85	- 35	1.75	<10	0.05	4461	<t< th=""><th>0.0t</th><th>12</th><th>1010</th><th>342</th><th>- 25</th><th>- 30</th><th>131</th><th>0.05</th><th>&lt;10</th><th>- 15</th><th>&lt;10</th><th>- 4</th><th>2005</th><th></th></t<>	0.0t	12	1010	342	- 25	- 30	131	0.05	<10	- 15	<10	- 4	2005	
10	) E	RK-85-275	5	5.6	0.43		200	4	14.20		- 28	- 42	- 47	1.78	<10	0.20	>10000	3	0.01		840	86	20	<30	224	0.05	<10	20	<10	1	679	
	_		_		1							_						-		-	_		-							_		
11	_	RK-05-276	5	26	0.62		180	9	_	76	13	म	15	2.16	<10	0.06		2	0.01		870	124			TUP	<.01	<10	- 11	<10		1290	
12		RK-85-277		>30				_	_	> 1000				2.61	<10	0.02	4748	<u>•</u>	<.01	12	- 280	>10000			120	< 01	<10	_	<10		>10000	-
13		HK-85-279	5	>30	0.24	110		9	115	190	13		115	10.50	<10	2.17			< 01	10		1378	1/2			0.01	<10	17	<10		>1000	7.
14		RK-85-280	>1000	8.0	0.67	445		9	1.00		11	100	230	3.28	<10	0.44			0.01 <.01	- 14		222		8		<01 <01	<10		<10	4	373 3215	14
15		RK-85-281	35	4.4	0.05		200	- 4	6,70	- 40		176	230	5.10	<10	1.71	2962	•	<,U1		- 30	786	10	9			<10	•	-	-		0
16		RIG-85-282	220	7.0	5.28	670	40	10	0.35	4	11	116	25	7.88	<10	6.79	1305		<.01	16	1480	110	30		13	<.01	~10	105	<10	<	200	<b>[</b> <i>Τ</i> ]
17		RIC-05-283	30	>30	0.14	40	30	10	4.14	719		190	40	1.77	<10	0.95	1005	-	<.01		600	>10000	- 25		488	<.01	<10	11	<10	<1 ·	>10000	
1		101-05-304	5	4.0	0.22	15	65		11.40	88		117	142	6.73	<10	3.07	1010	11	0.01	11	400	1200	35		480	<01	<10	16	<10	- 3		17
1		PUK-05-305	>1000	>30	0.07	>10000	30	10	0.11	<∎	•	184	45	7.05	<10	<.01	<b>6</b>	15	<.01		100	204	800			<.01	10	2	<10	-	382	
20	E	RK-05-286	160	3.6	0.31	2255	80	<	0.20	<t< th=""><th>2</th><th>-</th><th>- 14</th><th>1.81</th><th>&lt;10</th><th>0.01</th><th>40</th><th>- 4</th><th>&lt;.01</th><th>- \$</th><th>1443</th><th>60</th><th>16</th><th>40</th><th>12</th><th>&lt;.01</th><th>&lt;10</th><th>7</th><th>&lt;10</th><th>-1</th><th>167</th><th>1</th></t<>	2	-	- 14	1.81	<10	0.01	40	- 4	<.01	- \$	1443	60	16	40	12	<.01	<10	7	<10	-1	167	1
-		RK-85-267	25	39	0.22	240	100	-	0.08	•	•	134	,	1.00	<10	- 04	392		0.02	•	80	<b>158</b>	-	40	•	<.01			<10	-		ĺ
- 21			>1000	_	2.00		1/16	ँ	1.14		-		- 302	2.04	10	0.00		12	0.01		<b>816</b>	204			- 26	-20-	<10	- 84	<10	4		-
23	_	11.05.300	465	12	2.15	40	130		0.00	2	- 16	- 64	142	6.05	<10	0.97	705	10	0.01			22			- 7	<.05	<10		<10	4	200	
24		RK-66-280	160		211	15	385		4.11	2	14	-	- 44	LOO	<10	1.32	1454		0.01	ž						<01	<10		<10		181	
28	_	RK-65-301	445	1.2	2.26	26	330	ā	2.62	2	14	e	72	4.60	<10	1.28	1220		0.02	Ā		<b>.</b>				4.01	<10	M	<10	्त	212	
	-					_		-		-								•		-					-							



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TRUTCH REPOURCES CORPORATION AS 16-1827

#### ECO-TECH LABORATORIES LTD.

	Tag#	Au(ppb)	A	AI 15	As	Do		Ca %	Cil	Ca	Cr		Fe %	La	Mg %	iiie	<u>iile</u>	No. 75	M	P	<b>P</b>		80	Br	TI %	U		W	_ ¥	24
28	ERK-86-282	325	1.0	1.63	15	190	4	1.23	1	15	36	83	6.35	<10	0.90	<b>934</b>	- 7	0.01	- 3		- 44	\$	8	7	<b>S</b>	<10	78	<10	<b>e</b> t 1	120
27	ERK-05-283	>1000		3.21	880	70	-		186	- 10	44		12.60	<10		1382	22	<01		840	740		20	21	<.01	-10	71	<10	-	>10000
	EF6K-06-304	>1000		3.13	- + -	80	4	0.30		- 30	- 33	1088	14.30	<10	1.20	-	11	<01	5		712				< 01	-10		<10	-	\$100
20	ERK-05-205	185		1.60	50	215		1.18	- 21	16		100	6.40	. <10	0.00	1447	<u> </u>	< 01	- 1	1000	120			. 15		<10	40	<10	4	200
-30	EN4-05-208	185	>30	0.15	75	115	4	1.82			127	8255	2.54	<10	0.00	2115	6	<01	•	<10	200	146	20	30	<01	<10		<10	-	
21	ERK-88-297	129		3.25	-	40	4	10.00	679	10		3403	8.10	<10	1.28	6386	<1	< 01	12	880	178	-	<b>a</b>	127	0.01	<10	-	<10	<li>1</li>	-10000
52	ERICAS-298	390	>30		-		š	0.43	5		174		8.91	<10	< 01	1162	17	<.01		<10	16	1445		22	< 01	<10		<10	्	782
	ERK-05-200	>1000	16.0		860	305		0.18	Ă	20		813	> 15	<10	0.72	-	- 28	<.01		800			ā		<.01	10	Ř	<10	ৰ	1468
34	ERK-85-300	>1000	22.0		>10000		Ğ	0.86	ৰ	901	16	1460	> 15	<10	1.78	575		<.01	- 38	- 400			-	- 14	8.01	<10	147	<10		217
35	ERK-85-301	>1000			>10000	100	đ	1.57	4	465	4	1197	> 15	<10	0.72	1204	73	<.01	10	1460	174		-	23	<.01	10	175	<10	-	<b>996</b>
30	ERK-05-302	630	12.2	5.33	135	165	- 4	0.30	2	80	81	7432	> 16	<10	2.80	1365	29	<.01	- 22	1120	- 44		- 30	12	0.04	<10	108	<10	-4	670
37	ERK-05-303	440	>30	0.14	245	80	- 4	0.01	57	5	86	127	2.21	<10	0.05	37	1	<.01	7	10	1008	- 5	<20	171	<.01	<10	4	<10	<1	7188
36	DC-86-61	120	3.6		40	1280	- 4		14	7	42	65	4.59	<10	0.74	8452	4	<.01	7	790	224	10		180	0.02	<10	24	<10	4	1601
	DC-05-82	90	20.4		80	40	4		80	23	64	112	5.70	<10	0.31		7	<01	11		3544	15	<30	140	0.01	<10	15	<10	-	3005
40	DC-96-53	25	>30	0.76	130	90	-	> 15	325	21	62	66	4.00	<10	0.19	8111	4	<01	15	460	>10000	75	9	199	0.01	<10	- 14	<10	ৰ ম	-10000
41	DC-95-54	6	2.2	0.23	40	140		6.15	4	10	84	13	4.40	<10	1.47	1240		<.01	24	1080	162	10		705	<01	<10	10	<10	2	200
42	DC-95-55	15	0.5		180	115	Ē			23	123		4.54	<10	1.67	1105	š	0.02	20	1400	78	15		29	0.09	<10	128	<10	-	<b>m</b> 4
43	DC-05-58	10	<2		30	100	10	4.85			121	118	6.51	<10	1.85	950	4	0.02	4	2010	- 40	10		- 2	0.17	<10	100	<10		146 0
4	DC-85-57	6	14	0.22		70	10	6.16	<u>i</u>	7	110	37	125	<10	9.94	1015		6.05	12	580	276	15		-	<.01	<10	7	<10	- 3	20 7
46	00-46-08	10	34		35	90		6.83	1	- 14	78	43	6.07	<10	1.31	1466	Ē	0.04	18	1020		15		197	<.01	<10	15	<10	ž	108
																														- T
46	DC-05-09	6	0.6	1.89	15	85	•	3.65	3	10	87	78	4.42	<10	1.74	973	•	0.02	23	1330	46	15	<b>3</b> 0	80	<.01	<10	112	<b>~10</b>	2	208 🥠
47	DC-85-80	5	<.2	2.95	25	120	- 5	5.14	1	21	131	111	4.72	<10	1.60	708	<1	0.04	47	1430	- 42	5	<b>3</b>	- 84	0.19	<10	135	<10		135 🔨
48	DC-86-61	60	4.0	0.24	95	75	- 5	4.72	ব	10	144	20	4.47	<10	1.13	682		<.01	23	780	32	- 20	-	414	<01	<10		<10	2	101 🎢
	DC-85-62	145	26		520	45	5	0.05	ব	5	163		4.62	<10	<,01	- 24		<.01	6	180	24		- 40	2	<01	<10		<10	শ	180
	DC-05-63	<u>6</u>	0.4	1.47	4	285	4	1.65	•	•	101		2.4	<10	0.65	200	2	0.03	13				<u>a</u>		0.05	<10		<10		646
51	DC-85-84	170	<2	0.30	20	15	-	> 15	> 1000	30		43	1.52	<10	0.00	8082	<1	<.01	-	<10	274		-	100	<.01	<10		<10	et 2	1000
52	DC-95-65	>1000	4.0		125	65	ه	0.30	23	20	86	216	6.30	<10	0.4	1018	- 28	0.01	6	960	620	-	20		<91	<10	- di	<10	-	24
53	DC-05-05	50	<.2	0.64	40	20	•	8.85	> 1000	42	80	185	4.65	<10	0.30	3466	<1	<.01		200	140	-	<0	150	<01	<10	- 11	<10	< 1 >	10000
64	DC-05-67	5	0.6	1.05	46	35	•	6.84	> 1000	- 26	45	334	6.7#	<10	0.55	3384	-1	<.0t		730	1212		-30	137	<,01	<10	27	<10	্ৰ স	10000
66	DC-05-08	855	>30	1.55	2790	100	- 4	0.81	1	106		>10000	10.00	<10	0.8t	<b>890</b>	- 14	<.01	7	1370	82	905	40	- 11	0.02	<10	- 44	<10	-	1822
							_		-																				_	
56	DC-85-69	>1000	- 4.4		>10000	100		1.00	-		33	\$15		10	1.40	906	42	0.01		1320		- 45		124	0.02	10	138	<10	4	28
57	DC-86-70	140	0.4		845	185	10	1.72	<			64	6.01	<10	1.62	1006	2	0.02	12	1670	64		4	22	0.08	<10		<10	4	642
	DC-85-71	20	>30	2.04		270	4	1.13	28	34		>10000	4.75	<10	1.54	1724	10	0.02	11	1170	1270	<b>30</b>	9	2	0.11	<10	100	<10 <10	ব •	400
<b>89</b>	DC-95-72	15	6.2	0.06	85	180 1395	4	> 15	- 34 38	1	13 20	- 31 17	0.81 5.10	<10	0.10	4904	< T	<01	4	30 910	226	10 15	99	466	<01	<10 <10	12	<10		350
60	DC-95-73	9	0.6	0.84	20	1360	15	11.50	-	•	æ		0. IV	<10	0.68	2011	•	<.01	9	-10	-	<b>O</b> T		221		-10		~10	•	
ân	DC-95-74	40	14.8	1.63	25	625	4	2.67	3	25	38	2096	8.31	<10	1.26	986		<01	12	1380	70			-	0.03	<10	101	<10	đ	289
62	DC-85-75	5	1.2		20	165	à	1.78	2	18	40	286	5.05	<10	0.67	1300	- ī	< 01	7	1180		4			8.03	<10	67	<10	5	172
	ERK-86-278	ā	1.4	0.02	3	470	- 60	0.13	Ē	17	40	13	> 15	<10	< 01	844	61	< 01	6	<10	34	š	- 20	Ā	<01	<10	17	<10	4	240
		-			-				-								- •		-			-		-		•-	••	•		