

# TECHNICAL REPORT ON THE DUVAY-CHENIER GOLD PROPERTY FOR SECOVA METALS CORP.



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## **1 SUMMARY**

Secova Metals Corp. (“Secova”; TSX.V SEK) is exploring for gold on the Duvay-Chenier Gold Property (the “Property”) covering nearly 8,000 hectares 15 kms northeast of Amos Quebec. Secova’s exploration is being conducted under an earn-in option agreement with underlying property holders Tres-Or Resources Ltd, and Sementiou Inc. (in the case of the Duvay Zone Principal). The option agreement will allow Secova to earn up to 90% interest in the Property by completing \$3.25 million in exploration work, and an additional \$12 million towards a positive pre-feasibility study. The Property is accessed by paved highway and powerlines, and is located within the most active gold mining district of Quebec: the very large mines of Rouyn-Noranda are 100 kms to the southwest: Malartic is 65 kms south, and Val d’Or 75 kms to the south-southeast.

The Property includes multiple historical gold occurrences, more than a dozen of which are listed on Quebec’s mineral showings database. Many of these showings date back to the 1930s, and have been worked by various operators intermittently since that time. The gold occurrences on the Property are typical of the Abitibi region of Quebec, associated with shear zones, quartz veins and faults.

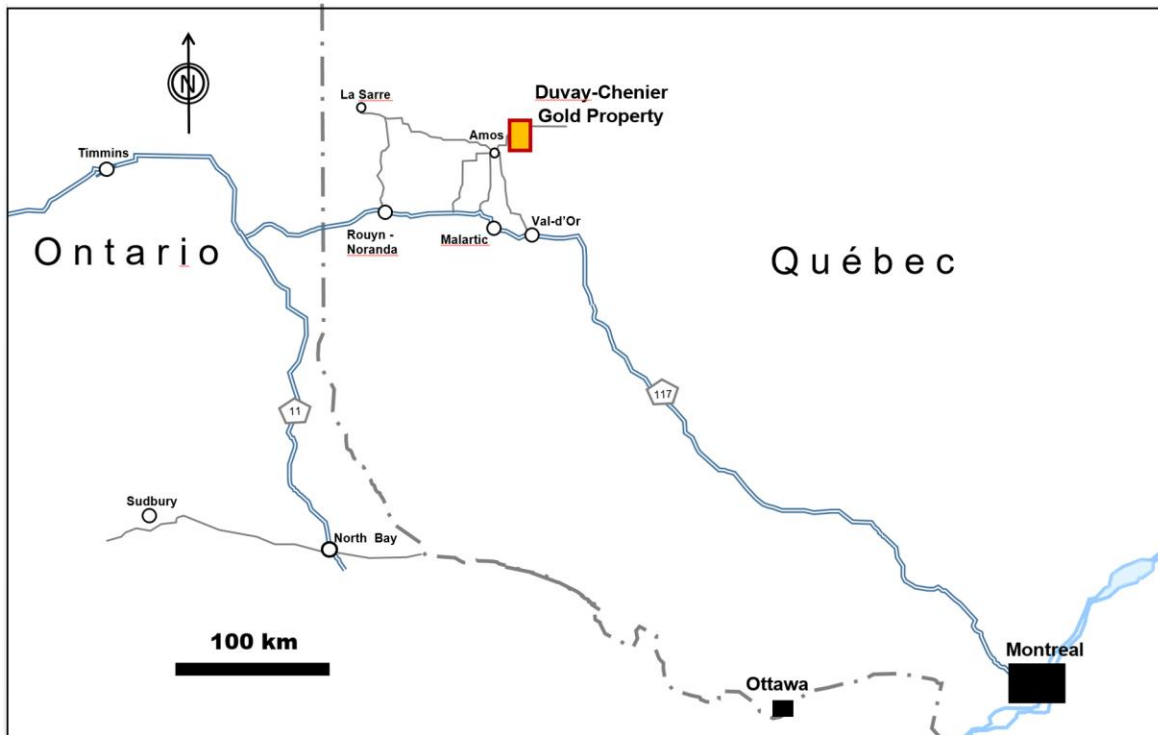
No mineral resources have been defined on the Property to National Instrument 43-101 standards, and thus the Property is at an early stage of exploration. However, more than 550 drill holes are recorded across the Property, as well as stripping, trenching, bulk samples, and both airborne and ground geophysical surveys. Most of this work is described in assessment reports filed with the Quebec government, and although generally the work cannot be directly verified

by the author, it provides targets for further exploration with the goal of confirming and expanding on the existing reports. In the opinion of the author, the Duvay-Chenier Property merits considerable further exploration by Secova under their earn-in option agreement. A two phase exploration program is recommended, with the first phase (Phase 1) calling for continued data compilation and analysis, airborne and ground geophysics, and 3500 m of drilling to target high-priority zones. As recommended, Phase 1 is estimated to cost approximately \$800,000. Depending on the results of Phase 1, a second phase (Phase 2) focusing on delineation drilling and bulk samples is recommended. Phase 2's estimated cost is \$2.5 million. Phase 1+2 expenditures together are estimated at approximately \$3.3 million.

## 2 INTRODUCTION

Secova Metals Corp. (“Secova”) is exploring the Duvay-Chenier Gold Property (the “Property”) 15 kms northeast of Amos, and 55 km north of Val d’Or, Quebec, under an option to earn up to 90% interest from Tres-Or Resources Ltd (Fig. 1). The Property covers almost 8,000 hectares including multiple historical gold occurrences, such as the Duvay Zone Principal, Duvay Zone de la Fosse and a dozen more. There are of more than 550 drill holes reported across the Property, as well as shafts, large areas of stripping, surface sampling, underground galleries and multiple bulk samples.

Figure 1: Location of the Property



Secova is listed on the TSX Venture Exchange (TSXV-SEK), and the Duvay-Chenier Property has become Secova's priority exploration asset. Thus, Secova has requested the author (Harrison Cookenboo, Ph.D., P.Geo.), a Qualified Person by the standards of Canadian National instrument 43-101, to complete a technical evaluation.

This report is based on publically available claims information, geological maps, assessment reports, geochemical data and geophysical surveys from industry, academia and the Quebec government, as referenced herein. The author has no reason to doubt that this information is substantively correct and no reason to suspect that variance in any individual report would materially affect the conclusions and recommendations of this report, although the historical data cannot be verified directly in most cases. The author was contracted by Tres-Or Resources Ltd. to complete field work, including 13 drill holes and 9 small bulk samples, on the Duvay Zone Principal between 2011 and 2013 before the Secova option agreement was initiated in 2015. The author conducted his current personal inspection of the Duvay-Chenier Property from May 10 to 12, 2017 for his first visit since 2013. This personal inspection involved visiting both the Duvay Zone Principal and the Duvay Zone de la Fosse as well as the historical Grenadier showing (as described in more detail under the Exploration heading later). The author has no prior relation to Secova, nor any ownership relation with either Secova or the underlying property owners and thus is independent of the issuer as defined in NI 43-101 section 1.5.

The Duvay-Chenier Property is early stage, because no mineral resources have been estimated to the standards of National Instrument 43-101. However, extensive exploration work has been completed at both the Duvay Zone Principal, and Duvay Zone de la Fosse, as well as at least a dozen additional showings which are listed in the Quebec government mineral occurrences database. The historical work is described in more than 40 assessment reports filed with the Quebec government since the 1930s. The most important reports for understanding the history and gold potential of the Property are referenced individually in the text and under the Reference heading later. The most significant aspects of this extensive historical work are summarized for the reader within.

### **3 RELIANCE ON OTHER EXPERTS**

Claims outlines and some of the on-line geological data included in this report come from websites maintained by the government of Quebec which was accessed and confirmed as of the effective date of this report: July 1, 2017.

## 4 PROPERTY DESCRIPTION AND LOCATION

The Duvay-Chenier Property (the “Property”) comprises 176 contiguous mineral exploration claims covering an aggregate total of 7,767 hectares 15 km northeast of Amos, Québec (Fig. 2; Table 1). Secova holds an earn-in option on the Property with Tres-Or Resources Ltd (“Tres-Or”), which is the responsible claims holder for 172 of the claims, and 100% title holder for 171 of the claims (Table 1). The four Duvay Zone Principal claims are 35% held by Sementiou Inc. (Fig. 2). Tres-Or has an Agreement to acquire 100% interest in the Duvay Gold Project claims from Sementiou by staged expenditures.

### ***Terms of the Agreement***

Secova holds an option to earn 65% interest in the Property by completing \$3.25 million in exploration expenditures, including \$750,000 by September 30, 2017, followed by another \$1,000,000 by December 30, 2017, and an additional \$1,500,000 by December 30, 2018. An area of mutual interest is established forming a 0.5 km border outside all Duvay-Chenier claims boundaries, in which any claims acquired by either party will be added to the property agreement. Tres-Or is the operator.

After earning their 65% interest, Secova has 60 days to exercise a further option of earning an undivided 90% interest (an additional 25%) by spending up to \$12 million towards a Pre-feasibility study within 4 years of earning their 65% interest. If Secova earns their 90% interest, Tres-Or will retain a 10% carried interest through to commercial production.





Table 1: Duvay–Chenier Property mineral claims titles.

Division	Title #	Status	Start Date	Expiry Date	Work Credit Cumulative	Hectares	Work Requirement	Listed Owner
Chenier	1001835	Active	2001/02/05	2017/10/30	0.00	41.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	1024902	Active	2001/07/18	2017/10/30	0.00	49.16 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	1024903	Active	2001/07/18	2017/10/30	0.00	40.94 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	1024904	Active	2001/07/18	2017/10/30	0.00	40.97 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	1024905	Active	2001/07/18	2017/10/30	0.00	41.01 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	1031083	Active	2001/10/19	2017/10/30	0.00	42.50 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	1031084	Active	2001/10/19	2017/10/30	0.00	42.50 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	1031085	Active	2001/10/19	2017/10/30	0.00	42.48 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	1031086	Active	2001/10/19	2017/10/30	58037.33	42.48 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	2009125	Active	2006/05/15	2017/10/30	0.00	42.13 \$	1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	2009126	Active	2006/05/15	2017/10/30	0.00	42.10 \$	1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	2009127	Active	2006/05/15	2017/10/30	0.00	42.07 \$	1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	2009128	Active	2006/05/15	2017/10/30	0.00	42.07 \$	1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	2009129	Active	2006/05/15	2017/10/30	0.00	41.97 \$	1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3164291	Active	1971/09/07	2017/10/30	111554.18	39.20 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3164292	Active	1971/09/07	2017/10/30	41086.11	39.20 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3190451	Active	1971/09/07	2017/10/30	41584.05	39.20 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713372	Active	1978/09/11	2017/10/30	0.00	39.60 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713431	Active	1978/07/21	2017/10/30	105343.74	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713432	Active	1978/07/21	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713441	Active	1978/07/21	2017/10/30	2150.79	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713442	Active	1978/07/21	2017/10/30	1753.90	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713451	Active	1978/07/21	2017/10/30	463.61	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713452	Active	1978/07/21	2017/10/30	494.27	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713471	Active	1978/07/21	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713472	Active	1978/07/21	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713473	Active	1978/07/21	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3713474	Active	1978/07/21	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3714701	Active	1978/09/11	2017/10/30	46229.45	39.60 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3714702	Active	1978/09/11	2017/10/30	0.00	39.20 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3808651	Active	1979/05/01	2017/10/30	17477.65	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3808652	Active	1979/05/01	2017/10/30	9223.28	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3808661	Active	1979/05/04	2017/10/30	63512.87	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3808662	Active	1979/05/04	2017/10/30	32650.57	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3822091	Active	1979/08/27	2017/10/30	700.60	20.00 \$	650	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3822092	Active	1979/08/27	2017/10/30	731.25	20.00 \$	650	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3822093	Active	1979/08/27	2017/10/30	10728.35	20.00 \$	650	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3837991	Active	1979/08/27	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3837992	Active	1979/08/27	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3838001	Active	1979/08/27	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3838002	Active	1979/08/27	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	3838011	Active	1979/08/27	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4163171	Active	1983/10/25	2017/10/30	133738.04	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4163172	Active	1983/10/25	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4163191	Active	1983/10/25	2017/10/30	43285.89	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4163192	Active	1983/10/25	2017/10/30	15919.07	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4219471	Active	1985/06/17	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4219501	Active	1985/06/17	2017/10/30	5783.24	20.00 \$	650	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4219523	Active	1985/06/17	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4219524	Active	1985/06/17	2017/10/30	34411.26	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4219551	Active	1985/06/17	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4219552	Active	1985/06/17	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4222431	Active	1984/10/03	2017/10/30	64437.34	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4222481	Active	1984/10/03	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4222482	Active	1984/10/03	2017/10/30	0.00	38.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4222491	Active	1984/10/03	2017/10/30	5471.37	38.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4222492	Active	1984/10/03	2017/10/30	5147.28	38.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4284741	Active	1984/10/03	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4284901	Active	1984/10/12	2017/10/30	62905.08	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4284902	Active	1984/10/12	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4284912	Active	1984/10/12	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)
Chenier	4284913	Active	1984/10/12	2017/10/30	0.00	40.00 \$	1,625	Tres-Or Resources Ltd (20117) 100 % (responsible)





Division	Title #	Status	Start Date	Expiry Date	Work Credit Cumulative	Hectares	Requirements	Listed Owner
Duvay	2224211	Active	2010/04/30	2018/04/29	2018.54	56.97	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224212	Active	2010/04/30	2018/04/29	2490.08	56.97	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224213	Active	2010/04/30	2018/04/29	0.00	56.97	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224214	Active	2010/04/30	2018/04/29	0.00	56.97	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224215	Active	2010/04/30	2018/04/29	0.00	56.97	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224216	Active	2010/04/30	2018/04/29	0.00	56.97	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224217	Active	2010/04/30	2018/04/29	0.00	56.97	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224218	Active	2010/04/30	2018/04/29	0.00	56.97	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224219	Active	2010/04/30	2018/04/29	0.00	56.97	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224220	Active	2010/04/30	2018/04/29	2310.44	56.96	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224221	Active	2010/04/30	2018/04/29	1893.51	56.96	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224222	Active	2010/04/30	2018/04/29	554.21	56.96	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224223	Active	2010/04/30	2018/04/29	0.00	56.96	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224224	Active	2010/04/30	2018/04/29	0.00	56.96	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224225	Active	2010/04/30	2018/04/29	0.00	56.96	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224226	Active	2010/04/30	2018/04/29	0.00	56.88	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224227	Active	2010/04/30	2018/04/29	0.00	53.55	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224228	Active	2010/04/30	2018/04/29	0.00	33.09	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2224229	Active	2010/04/30	2018/04/29	5.54	38.75	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2232930	Active	2010/05/11	2018/05/10	0.00	33.30	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2237936	Active	2010/06/10	2018/06/09	5423.40	42.47	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2250923	Active	2010/09/23	2018/09/22	0.00	26.60	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2250924	Active	2010/09/23	2018/09/22	0.00	27.66	\$ 1,170	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2250925	Active	2010/09/23	2018/09/22	0.00	15.40	\$ 488	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2253294	Active	2010/10/07	2016/10/06	569.99	42.57	\$ 780	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2269187	Active	2011/01/25	2017/01/24	0.00	20.20	\$ 325	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2269192	Active	2011/01/25	2017/01/24	0.00	34.09	\$ 780	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2269193	Active	2011/01/25	2017/01/24	0.00	41.12	\$ 780	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2292284	Active	2011/05/30	2017/05/29	750.76	45.31	\$ 780	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2292285	Active	2011/05/30	2017/05/29	1316.79	45.30	\$ 780	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2292286	Active	2011/05/30	2017/05/29	2519.42	45.47	\$ 780	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2307025	Active	2011/08/11	2017/08/10	0.00	40.60	\$ 780	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2307029	Active	2011/08/11	2017/08/10	0.00	51.68	\$ 780	Tres-Or Resources Ltd (20117) 100 % (responsible)
Duvay	2307030	Active	2011/08/11	2017/08/10	0.00	40.57	\$ 780	Tres-Or Resources Ltd (20117) 100 % (responsible)

If either party to the JV does not participate in approved expenditures, then straight line dilution will apply to their interest and if the interest of either party reaches 10%, the diluted party's interest will convert to a carried interest through to commercial production.

Upon formation of a JV, Secova will make a resource payment based on the initial resource published to the standards of Canadian National Instrument 43-101. The resource payment will be in the amount of \$30.00 for each ounce of gold in the measured resource category, \$25.00 for each ounce of gold in the indicated resource category, and \$15.00 for each ounce in the inferred resource category. The resource payment will be payable within 180 days of formation of

a JV, or 60 days after filing the initial NI43-101 compliant resource, whichever is later.

During the term of this Duvay-Chenier Property agreement, Secova has a right of first refusal to acquire up to 100% interest in Tres-Or's adjacent Fontana Property, on terms to be negotiated in good faith by both parties. The Fontana Property comprises 24 mineral titles and covers 900 hectares contiguous to the Duvay-Chenier Property. Secova holds no interest in the Fontana Property until and unless such an agreement is negotiated.

Globex Mining Enterprises Inc. retains a Gross Metals Royalty (GMR) of 1.5% (where gold is US\$800 per ounce or less) and 2.0% (where gold is US\$800 per ounce or greater) on all precious metals or other metals produced from the property including material treated in bulk sample tests for the four "core" claims at Duvay (Fig. 2 in red). A non-refundable advance on the GMR of \$10,000 must be paid to Globex Mining Enterprises Inc. every January 8<sup>th</sup> (currently, \$70,000 has been advanced). Sementiou Inc. retains a 2.0% Net Smelter Royalty ("NSR") and the Company has the right to purchase 1.0% of the NSR for \$1,000,000 and retains a first right of refusal to purchase the remaining 1.0% NSR on Duvay claims outside the core region. The Chenier claims have a 1.8% NSR payable to Mr. Chenier and Group Succession Beauchemin, which can be purchased at any time by Secova for \$360,000, and a 1.5% gross metal royalty (GMR) payable to Globex, for which the Company has the right of first refusal to purchase.

Termination of the Property agreement requires Secova to leave the Property in good standing for a minimum of 6 months.

The Property is located within NTS map sheets 32C12 and 32D09 approximately 15 km northeast of Amos on paved Highway 395.

### ***Quebec Mineral Rights***

Mineral exploration rights in are granted by the provincial Ministry of Natural Resources and Wildlife of Quebec (MNRW) providing the holder the exclusive right to explore. Claims are valid for two year periods, and can be extended indefinitely for successive two year periods by application of approved assessment work in variable amounts based on the size of the claim and the number of times it has been renewed, as shown in Table 2 (MERN website), and payment of a fee (\$64.09 per claim between 25 and 100 ha; \$32.77 for claims less than 25 ha.). The fee doubles if payment is made in the last 60 days of a claim period. Excess work credits are banked against the title of the claim for use in future renewals.

Current work renewal requirements range from \$325 to \$1,625 per claim and total \$218,075 per two year periods for all the claims. Assessment work credited to the claims totals \$3.0 million. Most of this work is concentrated on particular claims, as shown in Table 1, from where it can be applied to other claims with the same ownership information located completely within 4.5 km of the center of the credited claim. Sufficient work is credited currently to the claims to keep all in good standing until at least April, 2018, and most for much longer periods.

Claims may be converted in a mining lease with an initial term of 20 years (renewable at least 3 times for ten years each time) upon demonstrating that a minable resource exists on the claims,

Table 2: Minimum required assessment work for claims south of latitude 52 (i.e. all Duvay-Chenier Property claims). After MERN website ([www.mern.gouv.qc.ca](http://www.mern.gouv.qc.ca))

Minimum cost of work to be carried out on a claim south of the fifty-second degree of latitude			
Number of renewals (Validity)	Area of claim		
	Less than 25 ha	25 to 100 ha	Over 100 ha
1	\$325.00	\$780.00	\$1,170.00
2	\$325.00	\$780.00	\$1,170.00
2	\$325.00	\$780.00	\$1,170.00
2	\$487.50	\$1,170.00	\$1,755.00
2	\$487.50	\$1,170.00	\$1,755.00
2	\$487.50	\$1,170.00	\$1,755.00
7 and over	\$650.00	\$1,625.00	\$2,340.00

Surface mineral rights at the Duvay Zone Principal gold occurrence are owned by the Crown. Elsewhere on the Property, surface rights are privately held and notice must be given to the owners, in addition to permits required by the government for exploration activities. Drill and forest use permits sufficient for the purposes of the proposed Phase 1 program have been applied for and granted for the proposed drill holes. Environmental and title searches report no liens, encumbrances and no environmental liabilities are registered against any of the claims.

The Property occurs within the map designation “Territory reserved for the State or exempted from staking, map designation for mining or mining by ministerial order or by operation of another Act” referring to the “Agreement on Consultation and Collaboration” between the Abitibiwinni First Nation and The Government of



Quebec (2017). The Property is within the southern region of the agreement which is intended to define a consultation process for permitted mining activities and “Encourage and foster the establishment of harmonious and constructive relations between Companies and the Abitibiwinni First Nation”.

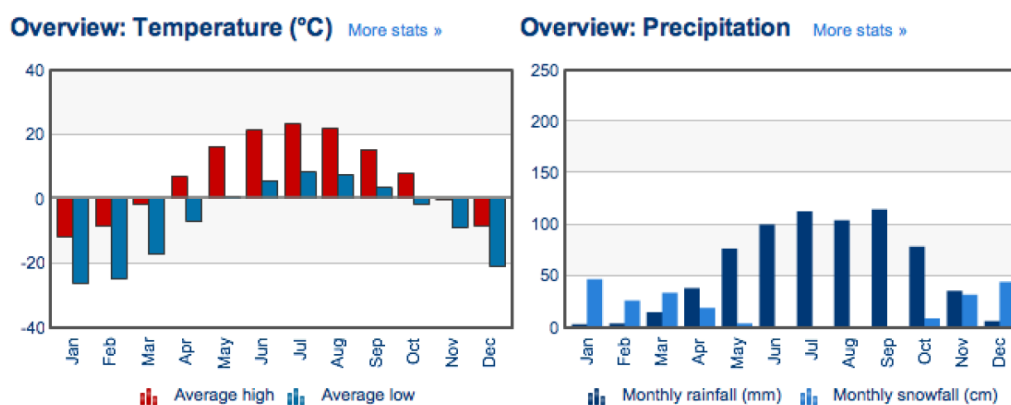
There are no current environmental liabilities known or apparent to the author on any of the licenses, nor are other significant factors and risks known to author that may affect access, title, or the right or ability to perform work on the Property. No previous mining activities have occurred on the properties, thus no liabilities from mining or waste disposal from mining are evident, although extensive stripping and excavations are evident on the Duvay Zone Principal and Duvay Zone de la Fosse.

## 5 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The Property covers low-lying rolling topography between 300 and 350 m elevation above sea level. Boreal forest covers most of the area, with swamps and drainages in the lows. Outcrop is mostly limited to higher areas. The climate is characterized by very cold winters to  $-20^{\circ}\text{C}$ , and warm summers up to  $25^{\circ}\text{C}$ .

The Property can be accessed by paved highway 15 km northeast of Amos, Quebec, a town of approximately 13,000 people. Numerous forest and dirt roads provide access to different areas of the Property, including the most advanced showings of the Duvay Zone Principal and the Duvay Zone de la Fosse. Scheduled air service is available to Val d'Or, 55 km south of Property and Rouyn-Noranda, 85 m southwest of the Property. Amos, Val d'Or and Rouyn-Noranda are gold mining centers with all required equipment, services and experienced labour available.

Figure 3: Weather Station: Lac-Berry, QC, located approximately 30 km northwest of the Property. (Canada Latitude:  $48.8^{\circ}$  Longitude:  $-78.3^{\circ}$  Altitude: 305 m)



The cold winter conditions impose some generally minor constraints to different field program operations. Airborne geophysical surveys can be flown throughout the year although the darkest months of December and January should be avoided if possible due to limited flight times possible each day. Ground geophysical surveys as recommend later, can be completed during any season but winter conditions are typically preferable because snow cover can make access more rapid using snow machines and sleds. Drilling can also occur over the entire year, but may be favoured for the winter due to easier access over snow.

No mining has occurred on the Property, but the low-lying, rolling topography should prove suitable for any operations and tailings storage that might be required following future exploration efforts.

## 6 HISTORY OF EXPLORATION

The Duvay-Chenier Property covers a dozen or more gold showings known from the Quebec government databases that have been explored starting in the 1930s. At least 13 showings are recorded in the Quebec database or assessment reports, with gold showings from trenches, drill core, bulk samples and/or surface samples (Table 3). Excepting some of the more recent data at the Duvay Zone Principal showing (as described later under the Exploration Heading), the historical showing data cannot be confirmed by Secova, but warrants follow-up field work to verify the reports in the opinion of the author.

Table 3: Historical gold showings on the Duvay-Chenier Property (MERN website).

<b>1 - Duvay Zone Principal</b>	1936	more than 300 drill holes: 7 bulk samples with > 1.0 g/t Au	Best intervals: Best result:	402.03 g/t Au /0.34 m 83.19 g/t Au /1.0 m 12.81 g/t Au (from 1194.4 tonnes)	GM 00307 GM 47594 etc.
<b>2 - Duvay Zone de la Fosse</b>	1945	more than 89 drill holes 40,000 tonnes bulk sample	Best intervals: 08A-89-28 Initial recovery: 1.3 kg	43.62 g/t Au /m	GM 08214
<b>3 - Bacola</b>	1946	5 drill holes	Best intervals:	6.5 g/t Au /0.27 m	GM 00307B
<b>4 - Grenadier Oeste:</b>	1987	2 drill holes	Best interval: CO-87-11	1.54 g/t Au /1.0 m	GM 46704
<b>5 - Grenadier</b>	1936	6 drill holes trenches with six +34 g/t Au grab or channel samples	Best sample:	177.6 g/t au grab 1938	GM 61123
<b>6 - Comet</b>	1987	3 drill holes	Best interval: CO-1	18.5 g/t Ag /1.0 m old trench, unreplicated 7.54 g/t Au	GM 47352
<b>7 - Cresus-Silverny</b>	1989	22 drill holes	Best intervals: CR-22	27.5 g/t Au /1.2 m	GM 48257
<b>8 - Villeneuve</b>	1937	21 drill holes	Best intervals:	27.5 g/t Au 1.2 m	GM 48257
<b>9 - Villeneuve VD-10</b>	1981	4 drill holes	Best intervals:	2.06 g/t Au 0.45 m	GM 59354
<b>10 - Norval</b>	1946	4 drill holes	Best intervals: CO-1167-8	3.94 g/t Au /1.2 m; 12 g/t Au/0.6 m	GM 42772
<b>11 - Cossette-Monpas Shear</b>	1988	26 drill holes	Best intervals: CO-88-24 CO-88-26	31.3 g/t Au 0.4 m 26.8 g/t Au 1.0 m	GM 48388 GM 49765
<b>12 - Peter Brown</b>	1988	1 drill holes	Best intervals: CO-88-33	1.03 g/t Au 1.1 m	GM 48388
<b>13 - East Mac (N)</b>	1935	surface samples 10 drill holes 1945	Best sample from shaft . NO RESULTS REPORTED	108.960 g/t Au 0.1 m 518.0 g/t Ag	GM 59252
<b>14 - East Mac (SE)</b>	1935	surface samples	Best sample	16.50 g/t Au grab	GM 59252

Exploration across the area includes prospecting, stripping, surface sampling, trenches, bulk samples, drilling, shafts and underground galleries. Exploration efforts that started in the 1930s and were mostly suspended for the war period, but resumed for many showings in the 1940s, and sporadically after that until the

1980s when several relatively large scale programs were conducted, with the most extensive exploration concentrated within the Duvay Zone Principal claims.

Table 4: Summary of reported historical work. References and details in the text.

<u>Dates</u>		<u>Summary of reported historical work</u>
<b>1936</b>	<b>1939</b>	Gold mineralization in quartz veins with minor chalcopyrite, sphalerite and pyrite discovered at Duvay, as well as other showings including Grenadier, Cossette-Monpas, East Mac and Villeneuve.
<b>1946</b>	<b>1947</b>	Shaft to 35 m, plus 275 m underground workings, drilling and a 40 ton (36.3 tonne) bulk sample yielding 7.1 g/t Au
<b>1985</b>	<b>1990</b>	Societe Miniere Sphinx completed 83,000m <sup>2</sup> of stripping, 13,000 m drilling, and over 20,000 tonnes of buk samples, including 3 large bulk samples totalling 3,301.94 tonnes, and yielding a weighted average assay value of 5.76 g/t Au..
	<b>1990</b>	Sphinx completed 40,000 tonne heap-leach test (material from Duvay Zone de la Fosse, piled on pad at Duvay Zone Principal), and reptedly yielding 9.33 kgs gold from the first pour, and 11,3 kgs gold in total.
<b>2010</b>	<b>2013</b>	Tres-Or Resources Ltd. completed ground magnetics, Property-wide airborne magnetics and electromagnetics, surface sampling, mapping 13 drill holes, and 9 mini- bulk samples (approximately 10 tonnes apiece).

Among the early work on the Duvay Zone Principal was drilling that returned samples up to 403 grams per tonne (g/t) gold over 0.36 m (reported in 1945 as \$410.91 gold over 14 inches by W. N. Ingham of the Quebec Bureau of Mines in a government mineral showing report GM08214). Another drill intersection from the same report yielded 76.8 g/t over 0.46 m (reported as 2.24 oz per short ton). In 1946, the company Duvay Gold Mines Ltd., with the participation of Dorvue Gold Mines Ltd., completed an exploration shaft 36.3 m deep, with associated galleries of 114.3 m and 147.9 m of crosscuts (Weber and Latulippe, 1964, as described in Gautier, 1988 GM 45769). More recent reports filed with the

Quebec government indicate that drilling between 1980 and 1987 on the Property yielded numerous intersections containing significant gold content (e.g. 34.6 g/t over 0.43 m; 12.01 g/t over 1.53 m; 27.17 g/t over 1.14 m; and 16.598 g/t over 1.76 m) within a small area of about 150 m square, as well as many more intervals with lesser abundances or no gold (as reported in Quebec assessment report GM47594; 1989).

In 1988, Société Minière Sphinx (“Sphinx”) completed a dense drilling grid on the Zone Principale yielding such composited intervals of 11.32 g/t over 7.5 m, 10.53 g/t over 9.0 m, and 19.5 g/t over 12.0 m, as well as many more intervals containing less or no gold (as reported in Quebec assessment report GM49068, Sphinx, 1989). This dense drilling grid comprised holes spaced approximately 5 m apart, with a maximum depth of 54 m. Analyses reported from these holes include numerous significant intersections, such as composited intervals of 11.32 g/t over 7.5 m, 10.53 g/t over 9.0 m, and 19.5 g/t over 12.0 m, as well as many more intervals containing less or no gold (GM49068). The analyses reported in Quebec report GM49068 yield an average of 0.22 g/t gold for this dense drill grid taken as a whole and not attempting to eliminate barren or low grade zones.

As with the other intervals reported above, the author cannot confirm the results of the 1980 to 1988 drilling due the age of the reports, but company geologists have been on the site and verified some remaining drill casings, which correspond well to maps of the 1987 and 1988 drilling. Secova is conducting recommended field work including sampling, GIS compilation, mapping and drilling to confirm these historical reports of gold from the Property.

***Summary of Duvay Zone Principal bulk sample results:***

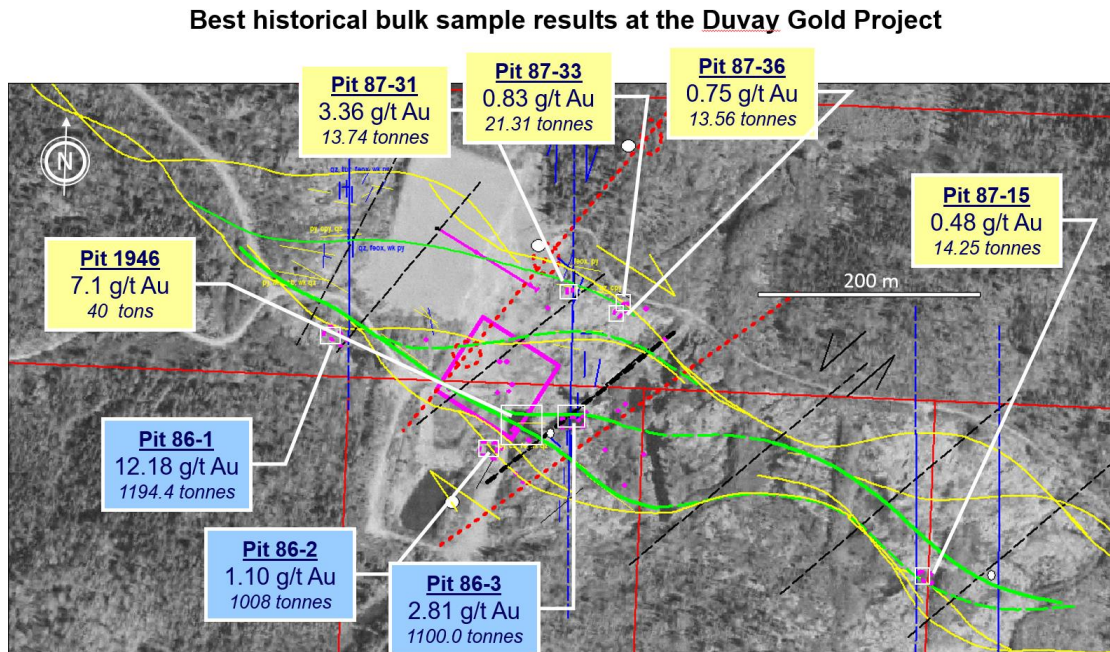
Bulk sample tests for coarse gold have been reported at Duvay Zone Principal since the 1940s (Fig. 4). Review of these bulk tests reveals significant gold mineralization over a strike length of more than 500 m, based on historical records in reports filed with the Quebec government. Some of the best reported bulk sample results appear to be spatially associated with structural controls mapped by Tres-Or at the surface.

Duvay Gold Mines completed the first bulk sample at the Duvay Zone Principal in 1946 (Pit 1946 in figure 6) of 40 tons (36.3 metric tonnes) yielding 0.207 ounces per ton (7.1 g/t) Au. They also sent a metallurgical test to a laboratory in Ottawa from an unspecified location at Duvay, which yielded 1.0076 ounces per ton (34.55 g/t Au). The metallurgy test also reports 0.31 oz/ton silver (10.63 g/t); 0.05% copper, 0.025% lead, and 0.30% zinc, and is described in more detail later under the Mineral Processing and Metallurgy heading later. The metallurgy test is likely to be selective and thus not represent grade. However, a size distribution chart shows that most of the recovered gold (87.5%) was > 0.075 mm (very fine sand).

Sphinx completed 3 large bulk tests in 1986 (Fig. 4), reporting a weighted average concentration of 5.67 g/t Au for a total sample weight of 3301.94 tonnes. (Gautier, 1988; in GM47569).



Figure 4: Historical bulk sample results from the Duvay Zone Principal.



**Pits 86-1, 86-2 and 86-3 weighted average of 5.68 g/t Au from 3,302 tonnes (Gautier 1988; GM45769)**

Check assays (1987): **Pit 86-1 - 1.16 g/t Au** (2 assays average); **Pit 86-3 - 3.99 g/t Au** (4 assays average from 122.8 tonnes)

**Another 10 (1987) pits between 0.20 and 0.33 g/t Au**; and 28 pits between 0.10 and 0.19 g/t Au; and 11 pits less than 0.10 g/t Au. **No analyses from any pits for silver or copper.**

Each bulk test was mechanically separated using a sampling tower in an attempt to create representative samples of 0.9 tonnes apiece (Gautier, 1988). These purportedly representative samples were then sub-sampled into three batches of 225 kg each for total extraction of gold (C.R.M. 1987; as described in Gautier, 1988). The nine total extraction samples returned a weighted average of 5.68 g/t Au from 3,301.94 tonnes (Table 3). More than half of the gold in the total extraction samples comes from the first analysis of Pit 86-1 at 30.00 g/t Au. If this sample were removed arbitrarily, the weighted average would be 2.46 g/t Au.

Table 5: Sphinx bulk samples from 1986.

	PIT #	Tonnes blasted	Assay average	Individual 225 kg total extraction samples	
Sphinx	1986 86-1	1194.42 tonnes	<b>12.18</b> g/t Au (average of 3 assays)	assay 1	30.00 g/t
				assay 2	5.42 g/t
				assay 3	1.13 g/t
Sphinx	1986 86-2	1007.99 tonnes	<b>1.10</b> g/t Au (average of 3 assays)	assay 1	1.20 g/t
				assay 2	1.50 g/t
				assay 3	0.60 g/t
Sphinx	1986 86-3	1099.53 tonnes	<b>2.81</b> g/t Au (average of 3 assays)	assay 1	2.81 g/t
				assay 2	4.05 g/t
				assay 3	1.56 g/t
<b>Sphinx</b>	<b>1986 average</b>	<b>3301.94 tonnes</b>	<b>weighted</b>	<b>average =</b>	<b>5.68 g/t</b>

Gauthier (1988) noted that there appeared to be a good correlation between the visual estimation of quartz vein abundance and the gold grade. Gauthier (1988; p. 17) also noted that the bulk tests yield gold concentrations 2 to 10 times that of nearby percussion drill holes, apparently reflecting the coarse size distribution of most of the gold. Sphinx reported another 64 smaller bulk tests in late 1987 and winter 1988 (including nine re-tests of both 1986 and 1987-1988 samples). The five richest gold concentrations reported were 3.36, 1.57, 0.75, 0.48 and 0.43 g/t Au and g/t gold (Gautier, 1988). Another eleven of the 1987-1988 Sphinx tests yielded between 0.20 and 0.33 g/t Au. None of the Sphinx reported bulk sample results can be verified by the authors, but they formed part of the motivation for Tres-Or's mini-bulk testing program reported later under the "exploration" heading. The 1987-1988 Sphinx bulk tests extend Au mineralization east to within 50 m of Tres-Or's composite channel samples (36937-36941) yielding 3.56 g/t over 4.02 m.

The bulk tests appear to support an association of high grades with the major northeast fault and the major shear zone. The 40 ton Pit 1946 test's reported location near the center line of lot 10 and 200 feet south of the range line fits closely within a water-filled pit visible on the orthophoto image in Tres-Or's geographical information system (GIS) database, supporting that the reported tests were undertaken, although not giving additional support to the reported results.

### ***Summary of dense drill grid and bulk sample at Duvay Zone de la Fosse***

Sphinx Mining reported drilling a densely spaced drill program of more than 85 holes spaced 10 m apart at the Duvay Zone de la Fosse in 1989 (Sphinx, 1990; GM49682). The drill holes were vertical, and depths typically near 35 m. A weighted average assay value is 0.26 g/t Au for sample interval length for the gold assay results reported for this dense grid (GM49682), with interval assays as high as 30.72 g/t Au over 2.93 m (OBA-89-28 composited from 16.27 to 19.20 m).

Sphinx reportedly excavated 50,000 tons of material from the Zone de la Fosse, and then crushed and transported about 40,000 tons of that material to the Duvay Zone Principal where it was treated as a heap leach. The Northern Miner (1990) reported that Sphinx poured its first doré bar containing 300 oz gold and 200 oz silver from the heap leach project and a second pour was anticipated soon when they visited the site in early September, 1990. Three hundred troy ounces from 40,000 short tons equates to 0.26 g/t Au. Sphinx abandoned the

project in 1990 and no detailed report on the heap leach project is available, thus Secova cannot verify the results. The author confirms that a large pad of crushed material (partially used by the town of Amos as construction gravel) covering plastic sheets, consistent with the reported heap-leach project, but results and technical details remain unconfirmed.

## **7 GEOLOGICAL SETTING AND MINERALIZATION**

### ***The Archean Superior Craton***

The Duvay-Chenier Gold Project property in Quebec is located within the Superior Craton, which is an ancient Archean continental core of North America. The craton is comprised of Archean greenstone belts and intrusive granitoids, (Fig. 5) separated locally by shear zones and regionally significant faults (Fig. 6). The granitoids are approximately 10 to 30 million years younger than the volcanic rocks of the greenstone belts, and thus intruded the volcanic-sedimentary strata relatively soon after deposition (Jackson and Cruden, 1995). Deformation of the Abitibi Belt led to development of roughly almond-shaped domains with less severe deformation towards their centres, and more strongly deformed at their edges, where they are bounded by regionally significant faults and strongly deformed rocks (Borghetti *et al.*, 2011). Borghetti *et al.* (2011) show that these almond-shaped domains occur at scales from the regional (100s of kilometers across) to outcrop (10s to 100s of meters across) to hand-sample (10s of centimeters across; Fig. 7).

Based on regional mapping, the Duvay-Chenier Property is located within a greenstone domain of the Abitibi Belt. Property mapping demonstrates a regionally significant compressional shear zone crosses the Duvay showings from east-southeast to west-northwest. The compressional shear zone is cut by later extensional quartz fractures, all of which are associated with gold mineralization. Based on detailed surface mapping and drilling, the shear zone

cuts pillow basalts, basalt lavas, andesites, peridotites and gabbro variably altered by carbonate, quartz and gold bearing fluids.

Figure 5: Simplified stratigraphic column of the Property area.

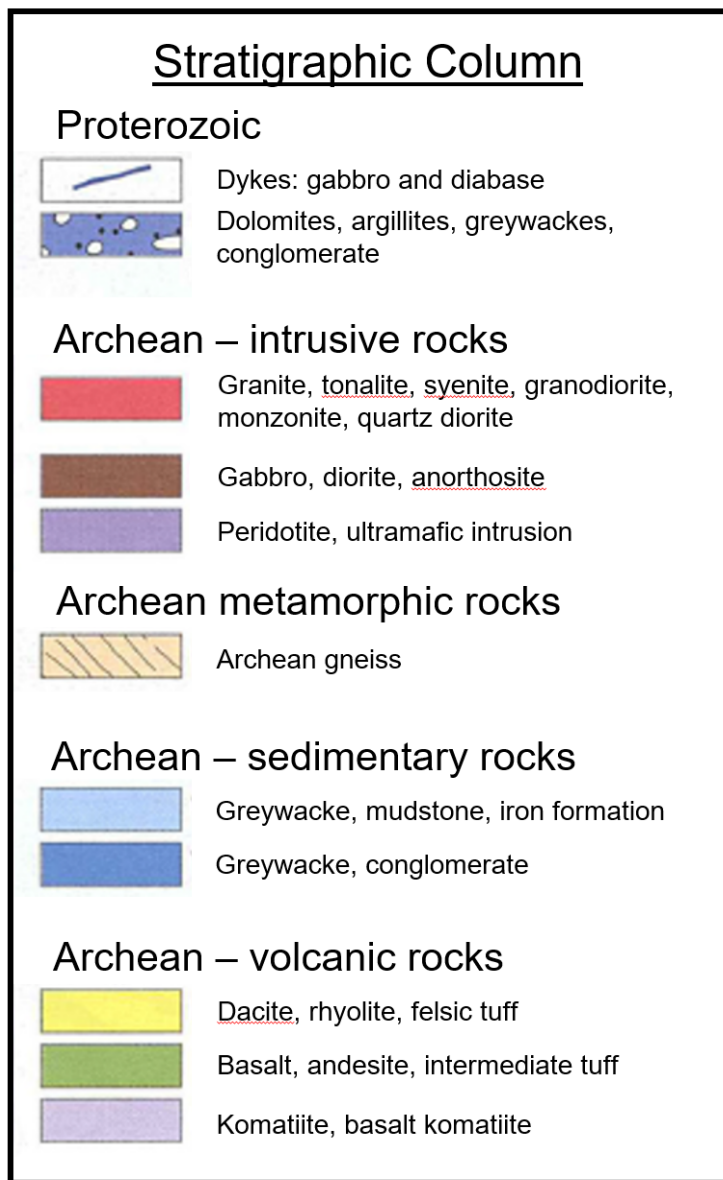
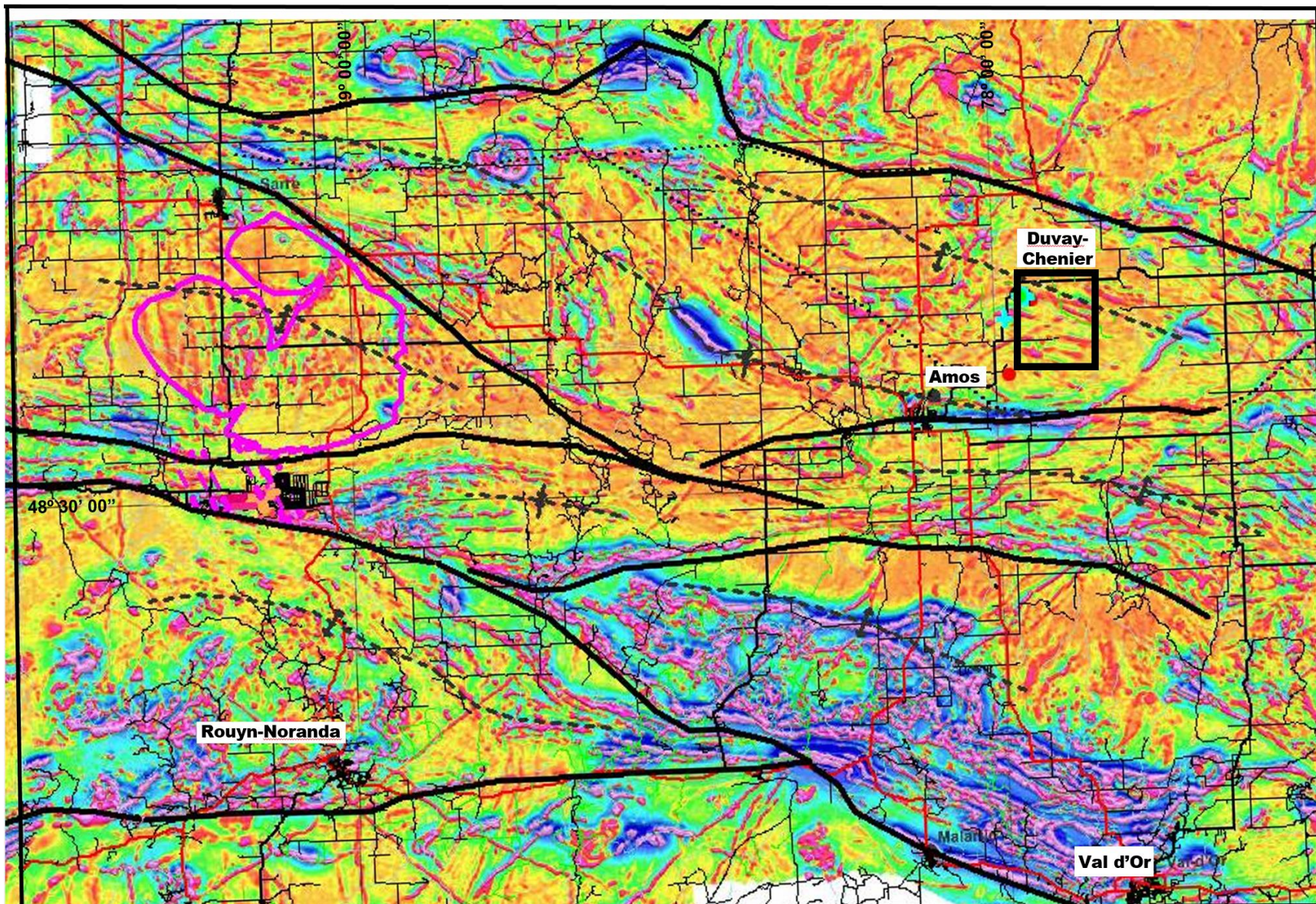








Figure 7: Property area regional airborne magnetic compilation showing faults between almond-shaped deformation zones. Area same as figure 6.



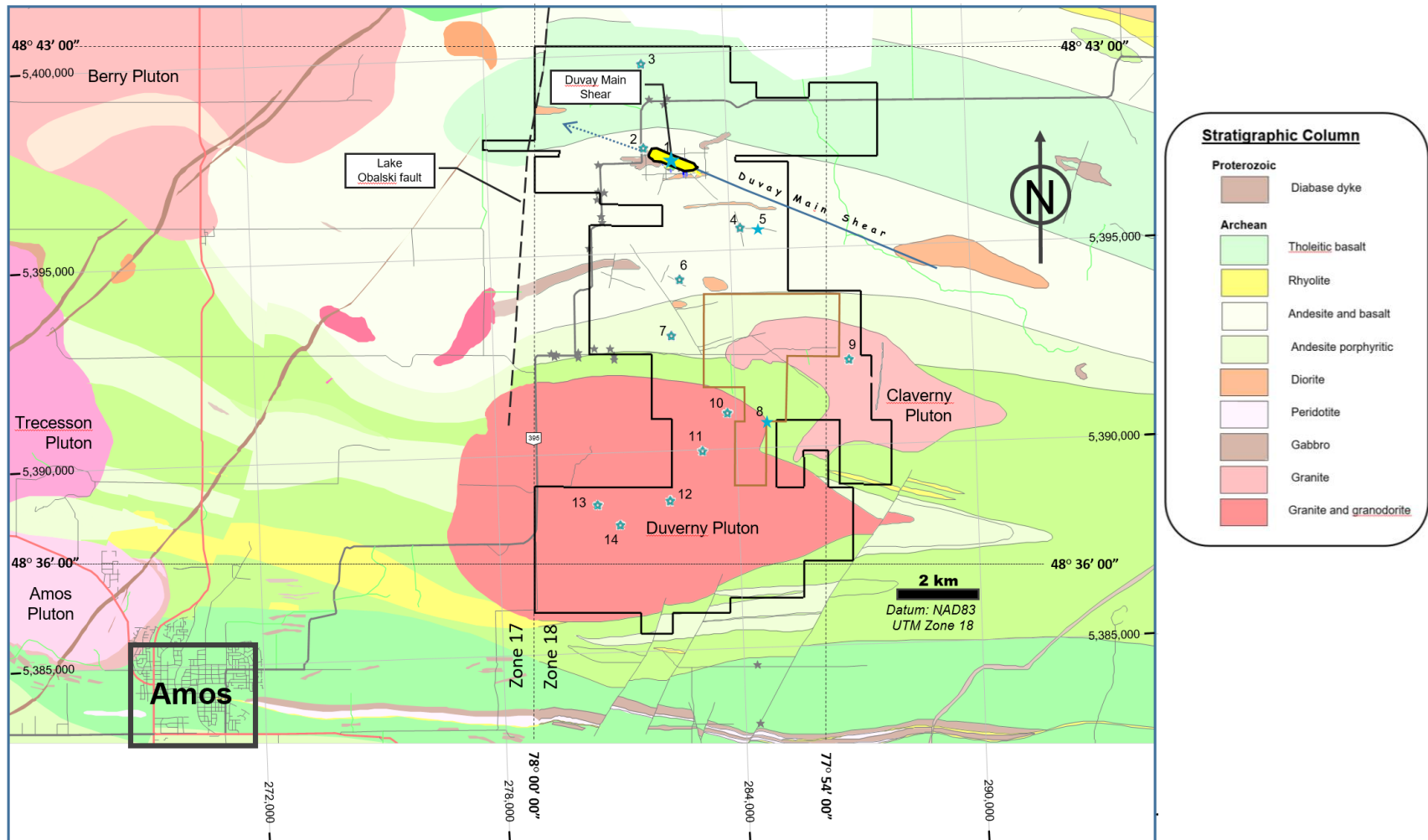


### ***Local and Property Geology***

The Duvay Zone Principal and Zone de la Fosse gold showings are located where the main Duvay shear cuts across Archean andesite and basalts (Fig. 8). Gold mineralization occurs near the main Duvay shear zone over a strike length of 700 m. The main Duvay shear zone extends east-southeast from the Lake Obalski fault across the Property, as defined by structural mapping and magnetic surveys. Gold occurs with sulphide-enriched shear zones and quartz veins associated with shear zones and faults. Quartz veins occur in three common types: 1) deformed within shear zones; 2) sub-horizontal associated with compressional NE striking faults and 3) near vertical extensional faults striking north south. Visible gold occurs in both vertical and sub-horizontal quartz veins along with minor chalcopyrite, pyrite and sphalerite.

At least a dozen gold showings are known from Property historical data, as compiled in Quebec's gold showing database. These showings were summarized earlier under the History heading, with reports of gold intersections in drill holes, surface samples and pits. The Duvay Zone de la Fosse and Duvay Zone Principal are the best defined mineralized zones on the Property, and are described in more detail in the Exploration and Drilling headings later. The Grenadier showing 2 km to the southeast of the Duvay Zone Principal zone was inspected by the author during his site visit which confirmed numerous quartz veins and old trenches, as described in a 1938 map, and discussed in more detail under the Exploration heading,

Figure 8: Simplified Property Geology and Stratigraphic Column. Blue stars are gold showings from Quebec MERN database, numbered as in Table 3 (History heading).



## **8 DEPOSIT TYPES**

The Duvay-Chenier Property is located within the Abitibi greenstone belt. Gold deposits within the Abitibi Belt are structurally controlled by faults or shear zones, and associated with variable amounts of disseminated sulphides. The mineralized zones are commonly silicified or carbonate-altered reflecting large quantities of hydrothermal fluids moving through the rocks. Quartz veins are common carriers of gold.

Exploration on the Property is focused on deposit types similar to other gold occurrences in the Abitibi Greenstone Belt: shear zones and faults, associated with variably disseminated sulphides, and quartz veins. Intersections of the shear zones and quartz veins are considered especially promising targets.

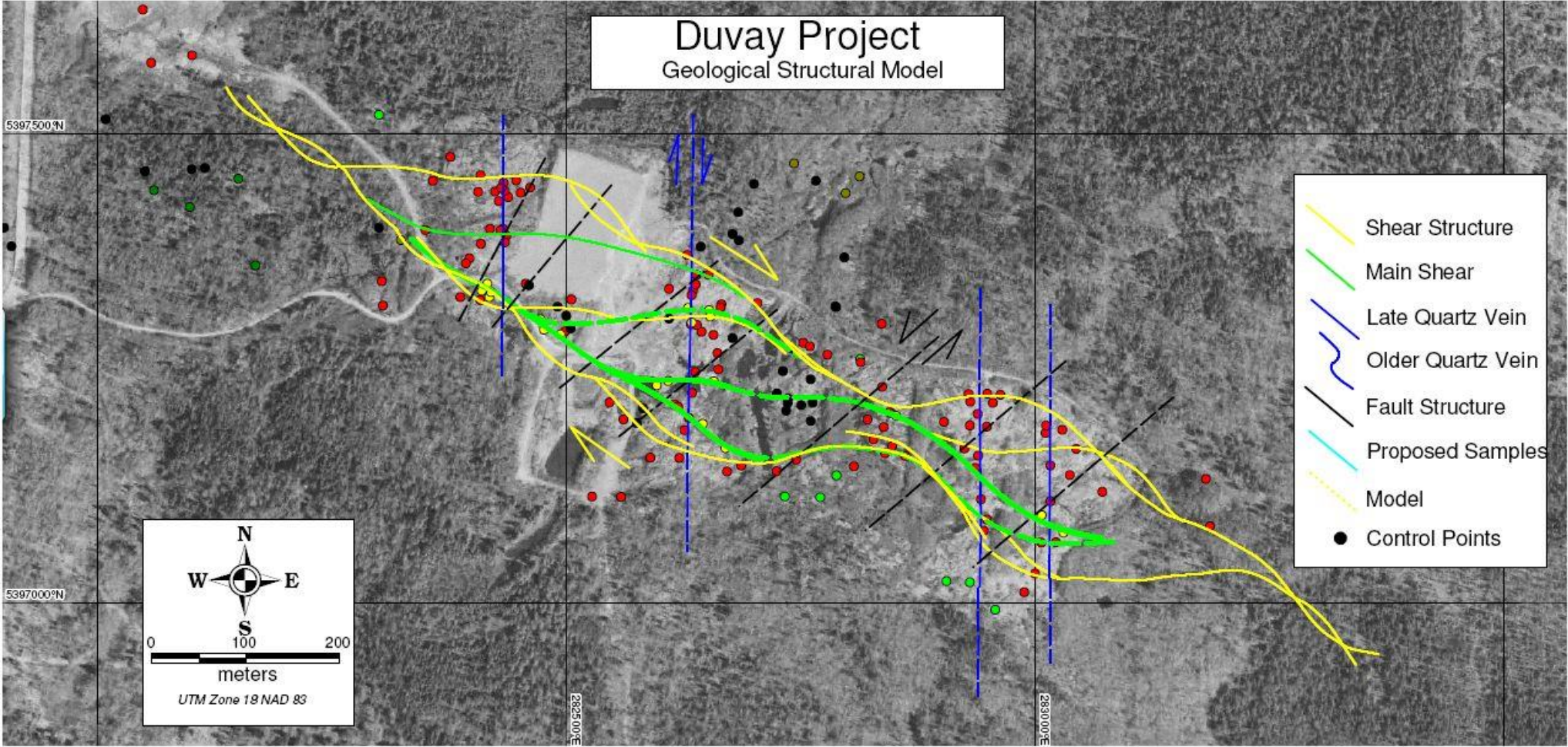
## 9 EXPLORATION

Underlying Property owner and Secova's option partner Tres-Or completed an exploration program between 2010 and 2013 consisting of surface sampling, structural mapping, ground geophysical surveys, 3D magnetic/IP/resistivity modeling, an airborne magnetic and electromagnetic survey (AeroTEM IV), 9 mini-bulk test pits, and drilling. Tres-Or's work was focused on the 4 claims comprising the Duvay Zone Principal gold occurrence. Only the ground geophysical and airborne magnetic/electromagnetic surveys extend significantly beyond the known Zone Principal. The most relevant aspects of the surface work, airborne geophysics and pit tests are described below, with drilling addressed in the following section under the heading "Drilling".

### ***Tres-Or structural mapping and hand-sample results***

The structural mapping identified intersecting compressional and extensional deformation zones in the heart of the Duvay Zone Principal associated with historically-defined area of samples with high gold values. Multiple deformation events at Duvay began with a compressional shear zone striking more or less west-northwest with dextral motion (Borghetti *et al.*, 2011). This shear zone strikes east-west (090) and east-southeast (120) across the project area and carries gold, disseminated sulphides and only a little quartz. Surface samples from 2010 returned 1.1 grams per tonne (g/t) gold (Au) over 30 cm and 1.2 g/t Au over 50 cm from within the shear zone. The anastomosing shear zones at 090 and 120 form roughly almond-shaped blocks with extensive deformation at the borders, and significantly less deformation in the interiors (Fig. 9).

Figure 9: Structure map at the Duvay gold occurrence (main compressional shear in green, lesser shears in yellow, vertical extensional quartz veins in blue, late northeast (thrust/) faults associated with sub-horizontal quartz planes in black).



The compressional shear event was followed by extensional vertical quartz veins striking north-south. Kinematic indicators again appear dextral. The extensional quartz veins carry coarse sulphides, iron oxide minerals and locally tourmaline. The compressional shear zone and subsequent extensional quartz veins strike over 800 m across the Duvay Gold Project. The same compressional and extensional deformation can be seen in rocks at the outcrop scale.

In addition to the two deformation events described above, north-east faults cut the Duvay deformation zone. These faults are associated with low-angle, sub-horizontal quartz planes, some of which carry coarse sulphides and perhaps gold. The fault plane, in at least two cases, appears to dip southeast, and may have a thrust component. It is not yet clear when these northeast faults formed relative to the compressional and extensional deformation events.

Overall, eighteen (18) surface samples were collected selectively during 2010 structural mapping. These samples have returned high gold (Au), silver (Ag) and copper (Cu) concentrations, as well as significant zinc (Zn). The highest gold concentrations in these samples are 199 grams per tonne (g/t) Au, 130 g/t Au and 3.01 g/t Au (Table 5). In the other 15 samples, gold values ranged between detection limit and 1.20 g/t Au. Notably, the sample with the most gold (at 199 g/t Au) also carried 4.55% Cu, as well as 104 g/t Ag. Other samples returned between detection limits and 1.31% Cu, and up to 45.8 g/t Ag, as well as 1.61% Zn. The samples were from outcrop and were selected to confirm mineralization during structural mapping (Borghetti *et al.*, 2011). Samples yielding >1.0 g/t gold

were collected discontinuously over a 500 m strike length, including both shear zones and quartz veins. Note that the samples referred to are surface chip and hand (grab) samples, which are selective by nature, and thus unlikely to represent average grades on the property. However, these new samples confirm Au, Ag and Cu mineralization occurs over the central area of the Duvay Zone Principal in both compressional shear zones and extensional quartz veins.

The high gold concentrations from the Tres-Or samples (Table 5) compare well with historical results of up to 402 grams per tonne (g/t) gold (Au) over 0.36 m, 76.8 g/t Au over 0.46 m, 34.6 g/t Au over 0.43 m, 12.01 g/t Au over 1.53 m, 27.17 g/t Au over 1.14 m, and 16.598 g/t Au over 1.76 m from the drilling in the 1940s through the 1980s, as reported in Quebec government mineral showing files (see news release dated September 30, 2010 for further details). The author cannot personally verify the older samples, but surface sample collected by Tres-Or are consistent with high gold concentrations from drill core (Table 6).

Table 6: Tres-Or surface chip and hand grab samples at Duvay.

Sample #	Project	Au g/tonne	Ag g/tonne	Cu %	Zn %
3647	Duvay	199	> 100	4.55	0.75
3643	Duvay	130	45.8	0.23	0.03
DVLLD#2	Duvay	3.01	5.2	1.31	1.61
3633	Duvay	1.20	0.6	0.03	0.02
3632	Duvay	1.07	1.5	0.01	0.05
DVLLD#1	Duvay	0.84	1.0	0.01	0.01
3642	Duvay	0.39	0.5	0.00	0.00



### ***Tres-Or channel sample results***

A program of channel sampling used a rock saw to cut consistent samples, following the surface hand samples collected during mapping in 2010. Tres-Or collected 19 surface channel samples at the Duvay Zone Principal, ranging from 0.60 to 15.00 m in length. The channel samples were cut with a rock saw across exposed bedrock to test different types of shear zones, quartz veins, and fault structures detected during surface mapping. Two of the channels yielded significant gold. Composite channel sample 36947-36954 yielded 0.64 g/t Au over 8.00 m, including a higher grade interval of 1.65 g/t Au over 2.98 m. This channel is located at the intersection of west-northwest shear zone with a strong northeast fault, and between Sphinx's historical pit samples from 1986 that yielded 1.10 g/t Au from 1008 tonnes, and 2.81 g/t Au from 1100 tonnes, respectively, as described earlier under the "History" heading. A second channel within the same mapped shear zone, located 350 m to the southeast, yielded 3.56 g/t Au over 4.02 m (composite of samples 36937-36941), including a high-grade interval in sample 36940 returning 18.3 g/t Au (plus 0.931% Cu, 6.71 g/t silver and 0.477% zinc).

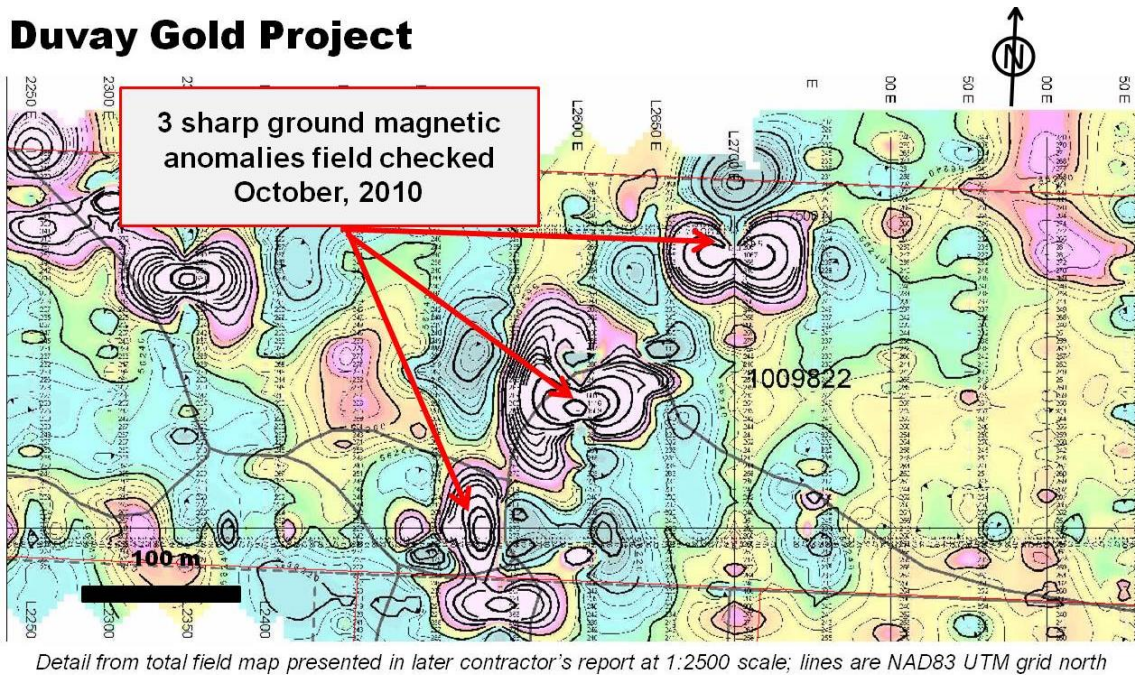
As with the historical results described earlier, neither true widths nor continuity can be confidently estimated for the mineralization in the channel samples due the structural complexity, but these samples combined with earlier surface samples confirm gold mineralization occurs over more than 700 m strike length within the main shear zone at Duvay Zone Principal.

Tres-Or's channel samples were collected by Sementiou Inc ("Sementiou"), which was also contracted to operate the drill and pit sampling programs.

***Tres-Or's geophysical surveys: ground magnetic and airborne magnetic/electromagnetic (EM: AeroTEM IV)***

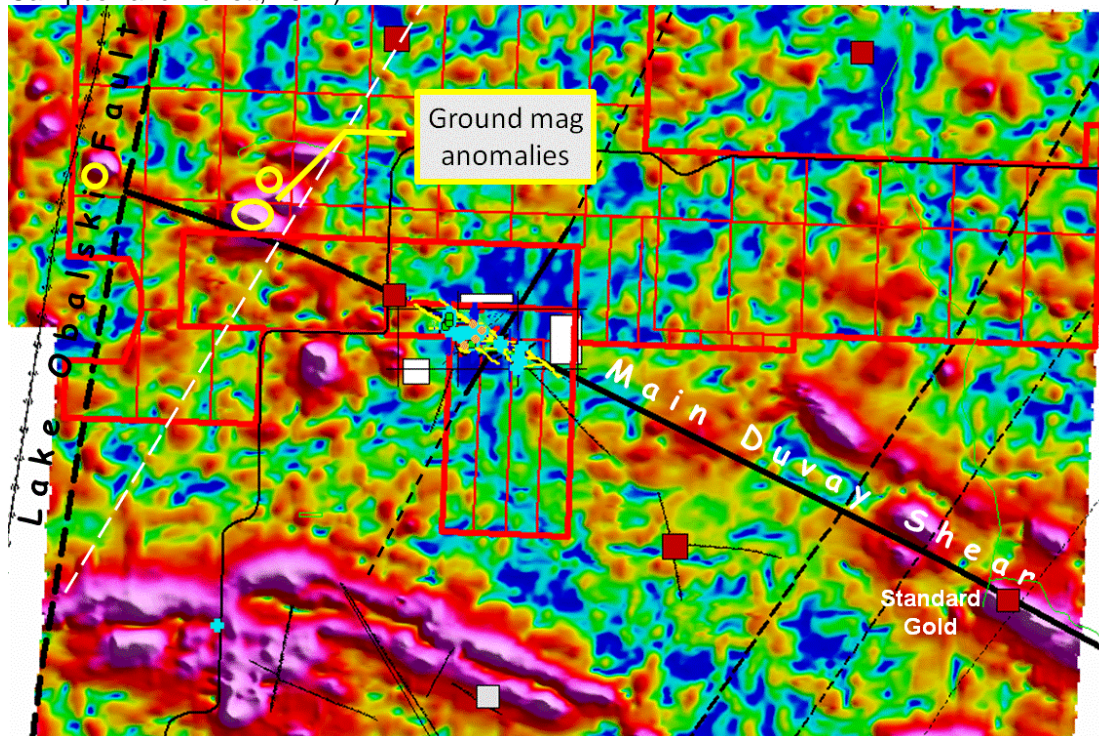
Tres-Or completed ground magnetic and airborne magnetic/EM surveys covering all or parts of the Property. The ground magnetics survey covers the Duvay gold occurrence area at 25 m line spacing, with readings collected every 5 m. Outside the central area of the Duvay gold occurrences, the lines are spaced 50 m apart. The survey extends to the west to Lake Obalski. The survey, its extension and its interpretation are described in detail in Campbell and Duffett (2012). Within the Zone Principal, the ground magnetic survey highlights a northeast fault defined by discontinuous but very strong and sharp magnetic high readings (Fig. 10). This northeast fault is spatially associated with the best Tres-Or drill intervals, as will be discussed in more detail under the "Drilling" heading later.

Figure 10: Three points of total field magnetic anomalies in a detail from the geophysical contractor's total field map.



The airborne survey covers the entire Duvay-Chenier Property and is described in detail in Campbell and Duffett (2012). The airborne and extended ground magnetic surveys distinguish several strong magnetic high anomalies west of the Duvay gold occurrences, along the main Duvay shear trend (Fig. 11).

Figure 11: Airborne magnetic survey map (Horizontal gradient) showing strong magnetic high anomalies, also distinguished on the extended ground magnetic grid (Duffett, 2012 and Campbell and Duffett, 2012).



### ***Tres-Or's mini-bulk testing program for coarse gold***

Tres-Or commenced a program of small bulk tests to account for coarse gold at the Duvay Zone Principal in September 2011. Nine bulk test pits were completed. Each pit was designed to excavate 10 tonnes of rock. The excavated material was processed on the Duvay site to produce a coarse gold and sulphide concentrate, which was then sampled by fire assay at Actlabs Analytical, an independent ISO1EC 17025 rated laboratory in Ancaster, Ontario. A temporary, secured building was built on site to house the processing equipment, and out-fitted with crushers, automated screens, and shaking tables. Repeated passes through the crushers and screens are used to make the entire sample -20 mesh (<0.850 mm). Details of the sampling methods and processes



are provided in under the Sample Preparation, Analysis and Security heading later.

The pit sites were selected to test different geological and structural features (Fig. 12). The pits were all located within the central stripped area of the main Duvay shear zone, with some pits testing sulphide-rich shear zones, and others aimed at the later northeast oriented faults (Table 7).

Figure 12: Duvay Gold Property, showing pit locations, including DVP-008 (intersecting extensional quartz veins and shear zone) and DVP-009 (shear zone with deformed quartz veins or boudins).

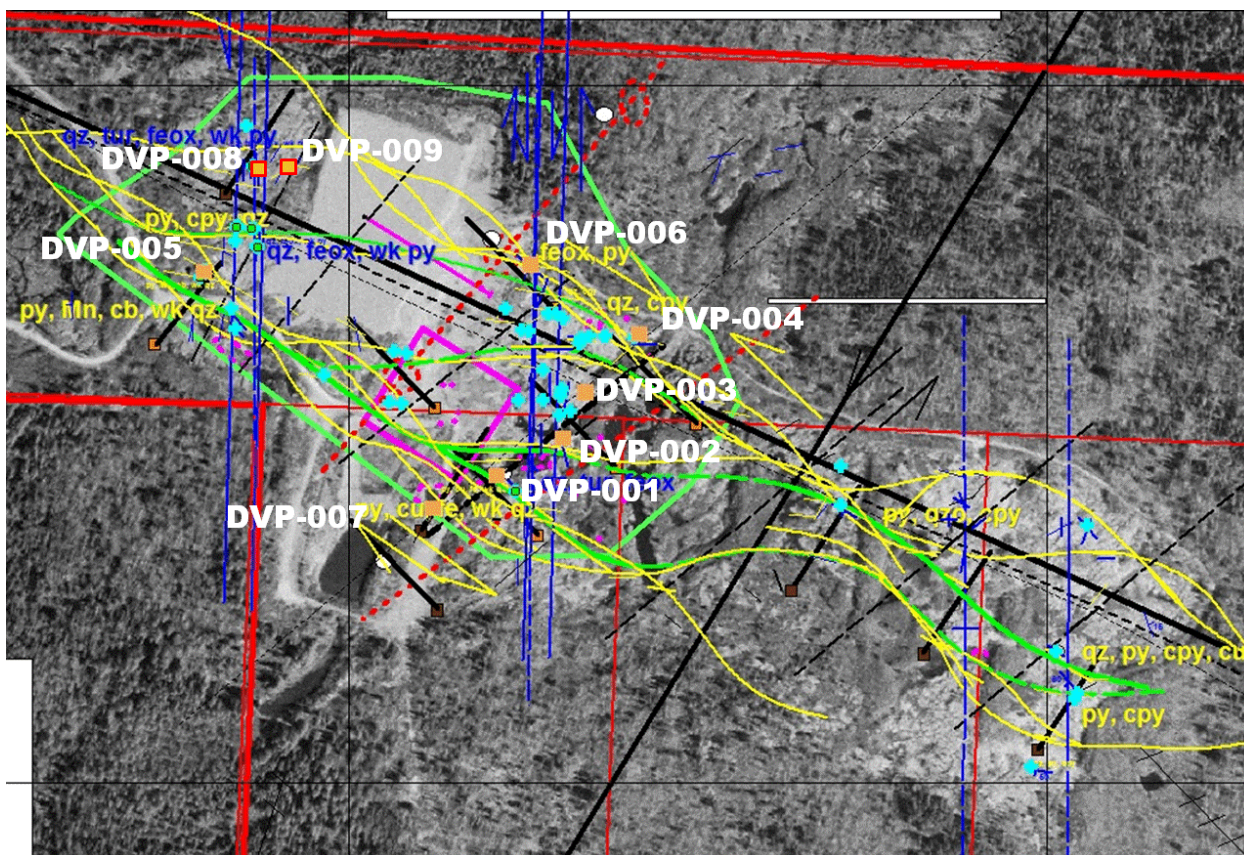


Table 7: Mini-bulk sample pits.

DVP001:	Strongly developed shear zone near intersection with main NE fault.
DVP002:	Main NE fault intersected in pit exhibiting well-developed fault breccia.
DVP003:	Quartz veins near main NE fault in footwall.
DVP004:	Abundant quartz in large deformed masses (boudins?) near NE fault .
DVP005:	Strongly developed shear zone with 2 channel samples at 1.2 g/t Au; sulfide-rich on east side of leach pad.
DVP006:	Magnetic NE fault near Tres-Or's best drill intersection.
DVP007:	Main NE fault extension near settling pond and historical high-value results.
DVP008:	Quartz veins associated with shear zone west of the leach pad.
DVP009:	Quartz veins in less-deformed domain west of the leach pad.

### ***2011 mini-bulk samples results***

Concentrates from the pit samples vary in abundance of sulphides and gold ranging from 0.10% to 3.46% of the sample start weight.

Gold is not strongly correlated with sulphide content. The most gold enriched sample is DVP-002, which sampled the prominent NE fault which is observed in the pit as a fault breccia dipping steeply to the southeast, and extending to the northeast (Table 8). Fire assay gold values from DVP-002 concentrates average 369.43 g/t Au (range of 24 fire assays is 166.20 to 610.73 g/t Au), which is 25 to 200 times the Au values of the other pit sample concentrates. However, sample DVP-002 has the smallest sulphide concentrate of any of the pits at 0.13% of the sample start weight, which range up to 3.46% of the start weight. By combining the gold calculated to occur in the concentrate with the average gold content of the sludge and rejects, it was calculated that sample DVP-002 carries 0.77 g/t Au (Cookenboo, 2011).

Table 8: Results of the mini-bulk sample pit tests.

Pit Sample #	Start weight	Conc. weight (kgs)	Conc. %	Conc. # Fire Assays	Average conc. fire assay	High conc. fire assay	Low conc. fire assay	Sludge/ rejects # fire assays	Average of sludge/ reject samples Au g/t	Grams Au estimated in Conc.	Grams Au estimated for sludge/ rejects	Total Grams Au in sample	Au g/t
DvP -001	10.06 tonnes	119.20	1.18%	28	4.40	6.80	2.47	42	0.06	0.51	0.56	1.08	0.11
DvP -002	10.00 tonnes	12.99	0.13%	24	369.43	610.73	166.20	32	0.29	4.87	2.87	7.74	0.77
DvP -003	10.03 tonnes	13.91	0.14%	18	14.00	37.30	1.34	10	0.06	0.19	0.57	0.76	0.08
DvP -004	10.31 tonnes	41.49	0.40%	20	3.30	4.94	2.06	10	0.04	0.14	0.40	0.54	0.05
DvP -005	4.46 tonnes	154.46	3.46%	8	1.81	8.42	0.2	16	0.07	0.28	0.30	0.58	0.13
DvP -006	10.13 tonnes	20.69	0.20%	22	12.70	18.80	6.79	21	0.04	0.25	0.40	0.66	0.07
DvP -007	10.00 tonnes	9.86	0.10%	18	4.57	13.01	0.91	18	0.01	0.04	0.10	0.15	0.01
DvP -008	10.02 tonnes	65.42	0.65%	18	14.36	32.09	8.31	18	0.14	0.94	1.40	2.34	0.23
DvP -009	10.02 tonnes	43.16	0.43%	16	1.27	1.83	0.98	22	0.01	0.05	0.10	0.15	0.01

The pit samples other than DVP002 yield gold values of between 0.01 and 0.23 g/t Au (Table 8). Samples DVP-001, DVP-005 and DVP-008 are from strongly sheared and sulphide-rich rocks, and yield relatively large concentrates (0.65% to 3.46%, respectively). Samples DVP-003, DVP004, DVP-005, DVP007 and DVP009 are from less strongly deformed domains featuring quartz veins. These samples have lower sulphide contents, and yield concentrates between 0.10% and 0.43%, respectively, of sample start weights. DVP-008, the most sulphide rich of these samples at 0.65%, also has the second most elevated gold content after DVP002 at 0.23 g/t Au.

### **3D Power IP survey and modelling**

Secova commissioned Abitibi Geophysics Inc. to complete an IPower3D induced polarization (IP) survey over the Duvay Zone Principal in 2016. This survey was described in some detail by Abitibi's logistical and interpretation report and a later proprietary consultant's analytical report, as summarized below.

The most significant results of this survey appear to be: 1) the identification of the main Duvay shear as having low IP response and moderate resistivity; and 2) the identification of relatively strong IP response in a secondary shear zone 300 to



400 m northeast of the main shear (Fig. 13). This secondary shear zone was mapped by Sphinx in the 1980s as the “Northern shear” but has few prior drill

Figure 13: 3D of moderate resistivity along the main Duvay shear. The moderate resistivity is highlighted by the red zone trending west-northwest in the centre of the grid.

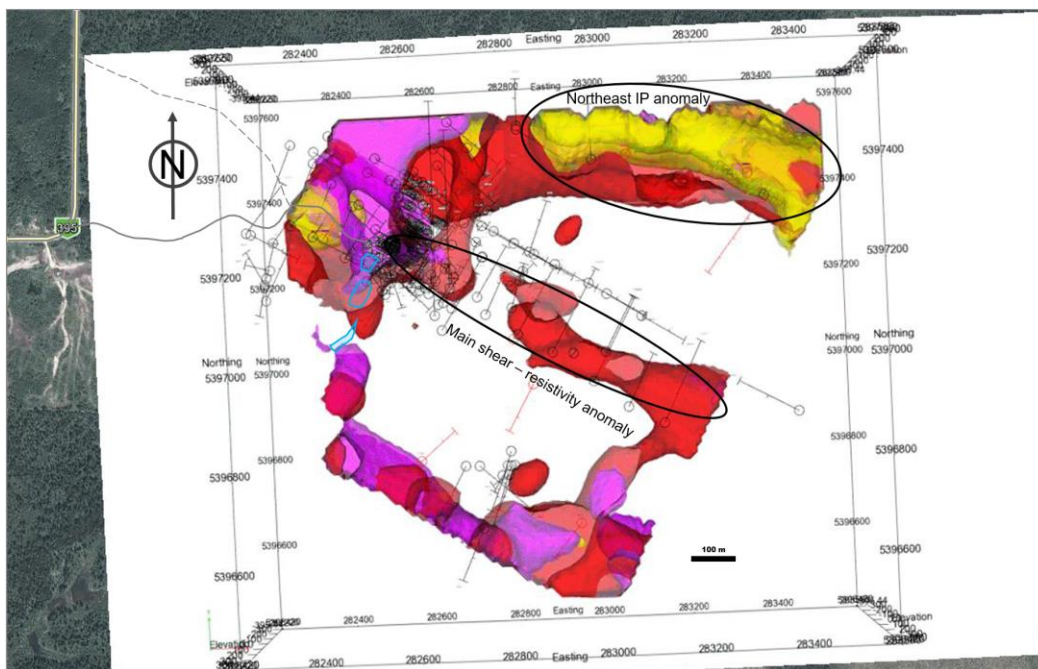
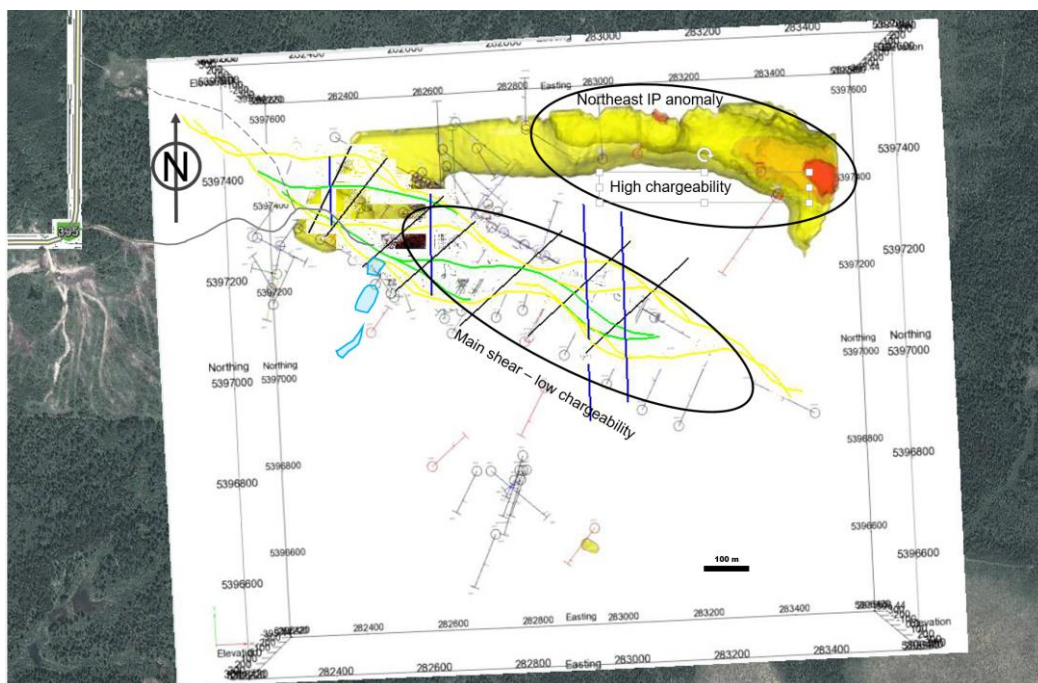


Figure 14: 3D of northern shear zone strong IP response. The strong chargeability zone is defined by the yellow tube-shaped anomaly at the north end of the survey grid.





tests. The strong IP response, and local low resistivity zones, provides new exploration targets away from the main Duvay mineralization.

### ***Preliminary inspection of the Grenadier showing***

The author visited the Grenadier in May 2017 as part of his personal inspection of the Property. Grenadier is easily accessible by forest roads, one of which cuts through the showing (Figure 15). The showing occurs over an area of roughly 150 by 50 m, where outcropping diorite is cut by quartz veins. Old trenches and blast sites can be seen, as well as numerous quartz veins. Samples were not collected due to partial snow cover during the site visit, in favor of more representative sampling during the recommended exploration program under snow-free conditions. Swampy ground lacking exposure surrounds the showing. The Grenadier showing is described in historic assessment reports filed with the Quebec government (Schindler, 1981, in GM61123). The showing was originally worked in the late 1930s (Fig. 16), with 6 holes drilled (multiple examples of visible gold were reported from drill core, but no further results are available). Bulk sampling recommended in the 1930s was not completed.

Work resumed after World War 2, with an additional 7 holes drilled in 1946. No records of the results of those drill holes are available. Prospecting and mapping occurred in the late 1970s, and historical work was reviewed in GM61123 (Schindler, 1981). Notably, out of 19 reported samples (some over short intervals, and some without widths), 12 of the samples returned >5 g/t gold, with the five highest values being 117.60, 86.40, 81.94, 81.60 and 80.23 g/t Au respectively. Mapped values in oz per short ton were converted to grams per tonne in table in figure 16. The map accompanying Table 1 highlights northwest trending quartz veins.

Figure 15: Grenadier showing: Tracks from site visit including Duvay and the Grenadier gold showing.

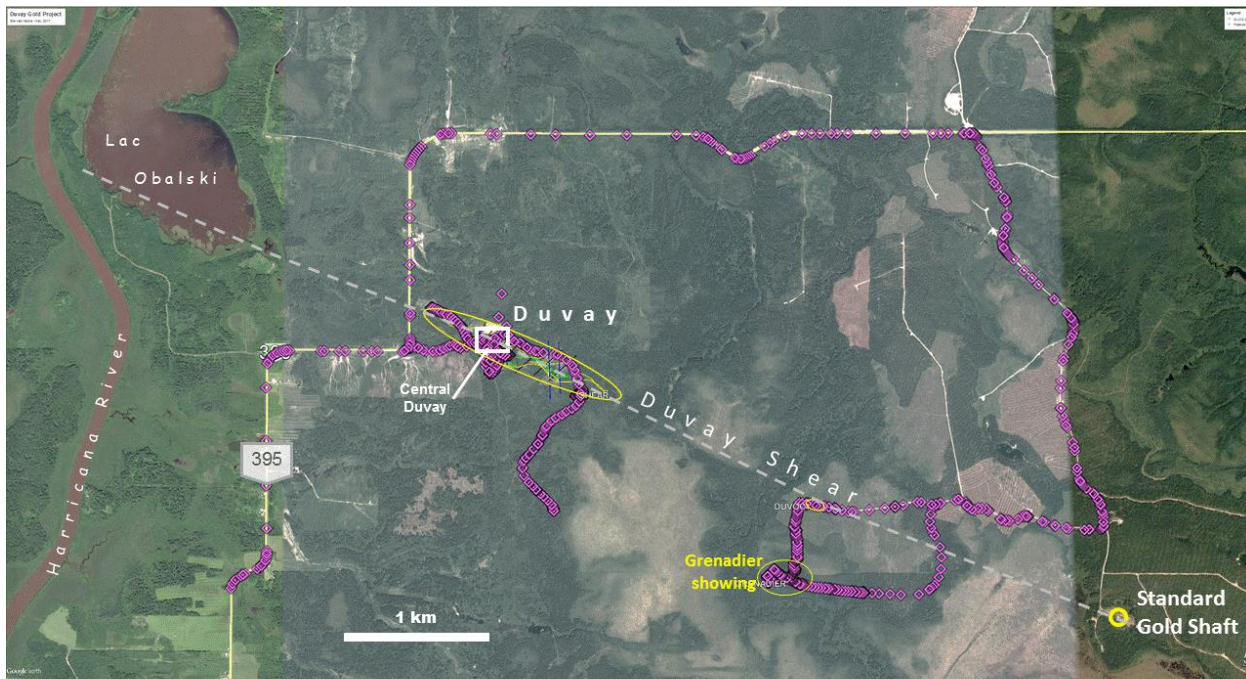
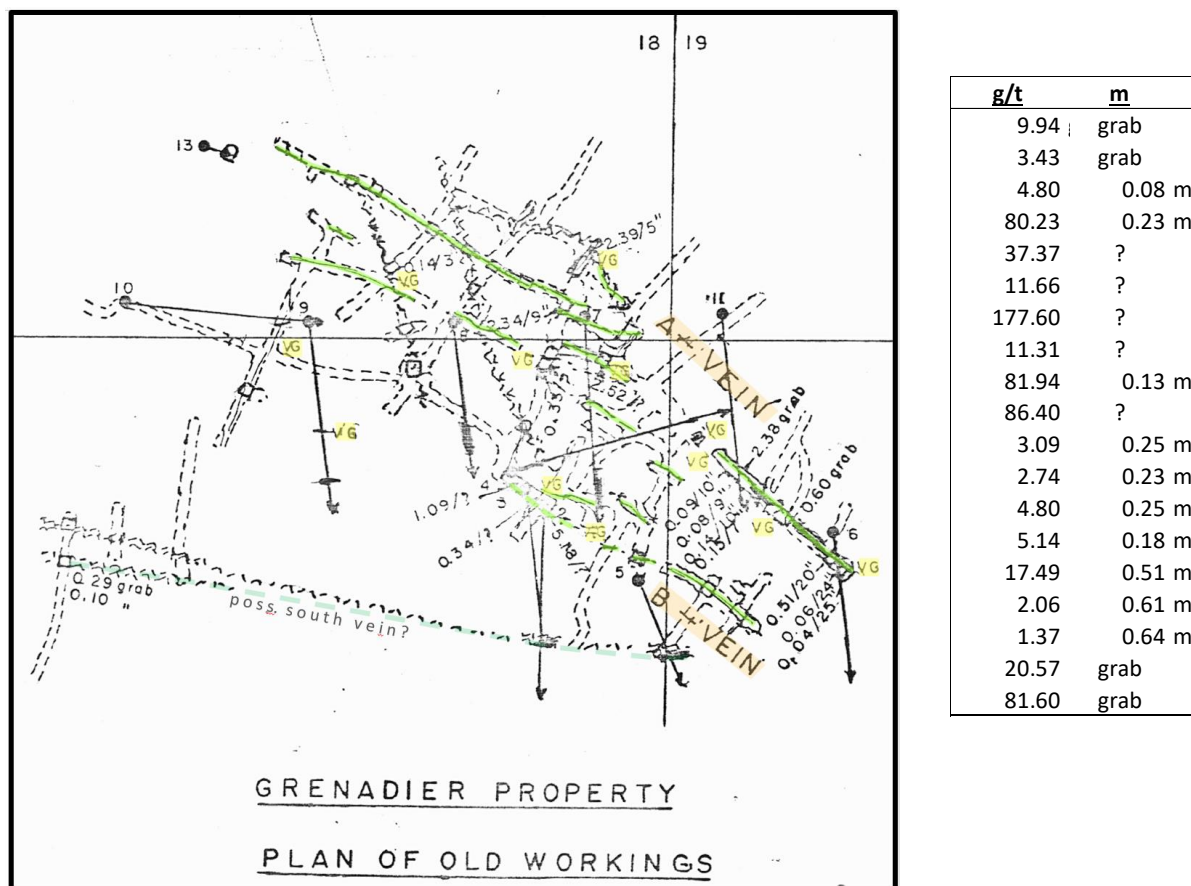


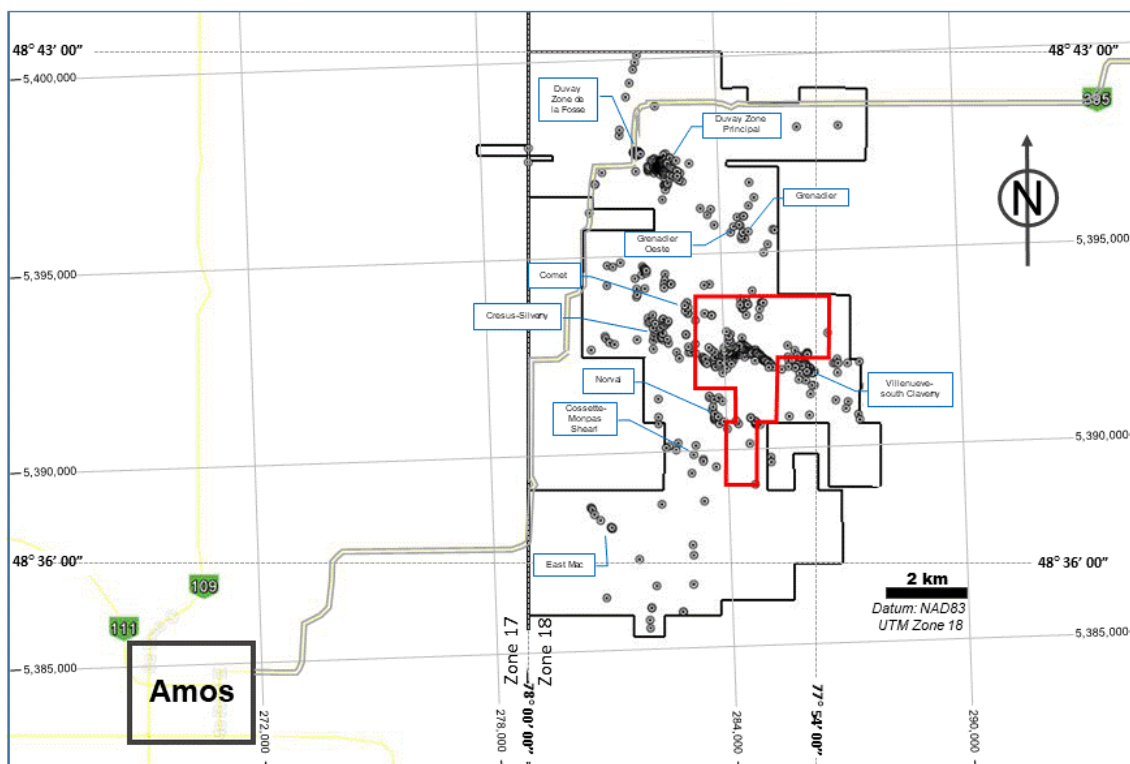
Figure 16: Gold samples from 1938 trench map (converted from oz/short ton to grams/ tonne). In addition, note 12 visible gold (VG) sites are marked in yellow, veins highlighted in green.



## 10 DRILLING

Drilling extends back to the 1940s, with more than 550 drill holes recorded on the Property (Fig. 17). Drilling has been concentrated in the Duvay Zone Principal (core claims) area, where more than 290 drill holes are recorded (Fig. 18). Another 89 closely-spaced drill holes (10 m spacing) are located in the Duvay Zone de la Fosse (pit) area, within 120 m of the northwest Principal Zone boundary. This densely spaced grid (typical spacing 5 m) yielded an average gold concentration of 0.24 g/t Au to an average depth of 30 m based on Sphinx 1988 drill results (Sphinx, 1989).

Figure 17: More than 550 compiled drill locations on the Duvay-Chenier Property. Fontana Property (in red) contains an additional 390 drill holes. Note that almost all of the Property is within NAD83 UTM zone 18, but the boundary with Zone 17 is located at  $78^{\circ} 00' 00''$ , thus UTM numbers west of  $78^{\circ} 00' 00''$  are created as zone 18 for this map.



The Zone de la Fosse holes are NQ (48 mm core diameter), mostly vertical and between 30 and 40 m in length (Fig 19). The hole lengths were completely sampled and analyzed below approximately 3 m of overburden (2404 m analyzed length), yielding a weighted average of 0.26 g/t Au for the over 1700 analyses (maximum value 63.249 g/t Au over 1.45 m; Sphinx, 1989, GM49682).

Figure 18: Duvay Zone Principal and Zone de la Fosse drill map from Sphinx (1989). Closely spaced vertical drill holes are within the magenta square in the Zone Principal (detail bottom left).

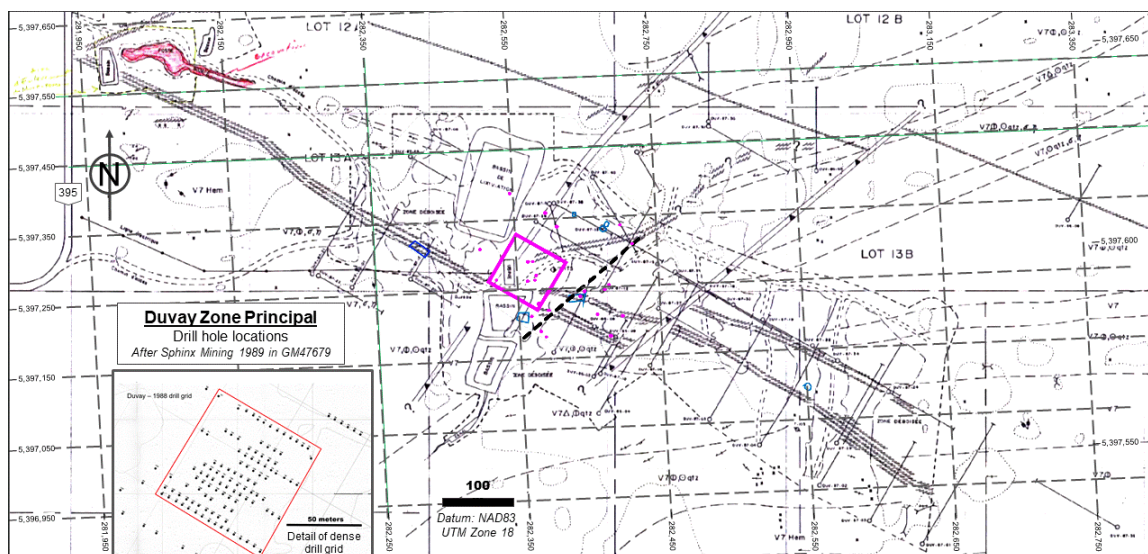
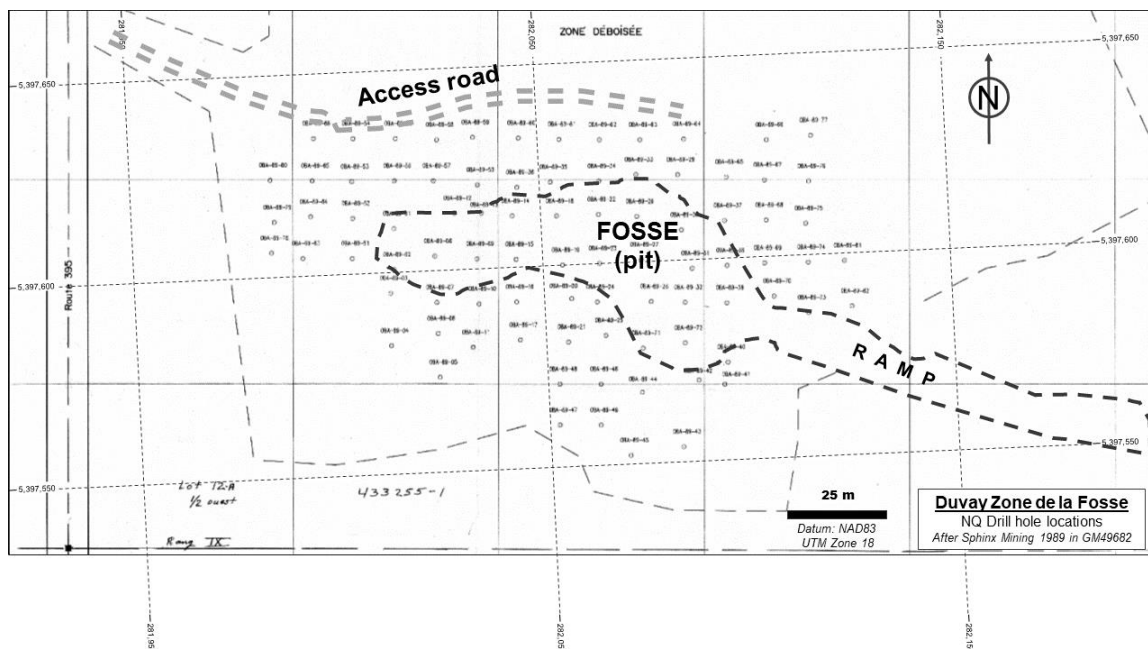


Figure 19: Duvay Zone de la Fosse (pit) drill holes at 10 m spacing (mostly vertical).





Approximately 170 exploration drill holes are located around the remainder of the Property, with concentrations in the areas of the showings, including Cresus-Silverny, Grenadier, Grenadier Oeste, Comet, Cossette-Monpas Shear, Villeneuve-south/Claverny, Norval and East Mac (Fig. 17). No drilling has been completed by Secova on the Property as of the effective date of this report. Underlying property owner Tres-Or Resources completed 13 drill holes in 2011 at the Duvay site, which are described below.

### ***Tres-Or 2011 drill program at the Duvay Zone Principal***

Tres-Or drilled 13 holes totaling 1234.5 m length at Duvay in January and February, 2011 (Fig. 20) within the Zone Principal. The holes tested interpreted fault structures and mapped shear zones. Two holes were drilled from the same set-up for most of the holes (Fig. 21). Each set-up was drilled as a 75 m vertical hole, and a (planned) 125 m hole inclined at 45 degrees to the horizontal (Figure 21 and Table 9). The first drill hole (DV001-11) was lost at 48 m when the drill string dropped into old underground workings (reports filed with the government describe a shaft and 300 m of underground galleries from the 1940s). Other angled holes varied slightly from the planned 125 m lengths. The final hole (DV013-11) was drilled next to DV001-11 at 65 degree inclination to test beneath the old underground workings. Drilling used diamond bits to recover NQ (49 mm diameter) core for each hole. Drilling was done by Sementiou Inc. under contract to Tres-Or.

The drill holes intersected greenstone volcanic logged as andesite, basaltic andesite and basalt based on visual characteristics. The basalt is medium to

dark green, locally pillowed, and rarely exhibiting flow breccias texture (Fig. 22).

The andesite is yellow-brown, silicified and intensely sheared locally (Fig. 23).

Basaltic andesite is intermediate between andesite and basalt characteristics.

Table 9: Drill hole locations and orientations for the 2011 program.

Project Hole	Year	Claim #	Length (m)	UTM E	UTM N	Azimuth	Inclination	Datum
DV- 001	-11	1009836	48.0	282635	5397176	315	45	NAD83 Zone 18U
DV- 002	-11	1009836	75.0	282635	5397176	vertical	90	NAD83 Zone 18U
DV- 003	-11	1009836/100 9822	120.0	282680	5397224	315	48	NAD83 Zone 18U
DV- 004	-11	1009836	75.0	282680	5397224	vertical	89	NAD83 Zone 18U
DV- 005	-11	1009822	125.0	282744	5397264	315	45	NAD83 Zone 18U
DV- 006	-11	1009822	75.0	282744	5397264	vertical	90	NAD83 Zone 18U
DV- 007	-11	1009822	122.0	282559	5397265	315	46	NAD83 Zone 18U
DV- 008	-11	1009822	75.0	282559	5397265	vertical	90	NAD83 Zone 18U
DV- 009	-11	1009822	125.0	282361	5397314	40	48	NAD83 Zone 18U
DV- 010	-11	1009822	75.0	282361	5397314	vertical	90	NAD83 Zone 18U
DV- 011	-11	1009822	127.5	282638	5397345	315	46	NAD83 Zone 18U
DV- 012	-11	1009822	77.0	282638	5397345	vertical	90	NAD83 Zone 18U
DV- 013	-11	1009836	115.0	282623	5397171	315	65	NAD83 Zone 18U

Figure 20: Drill map 2011 program.

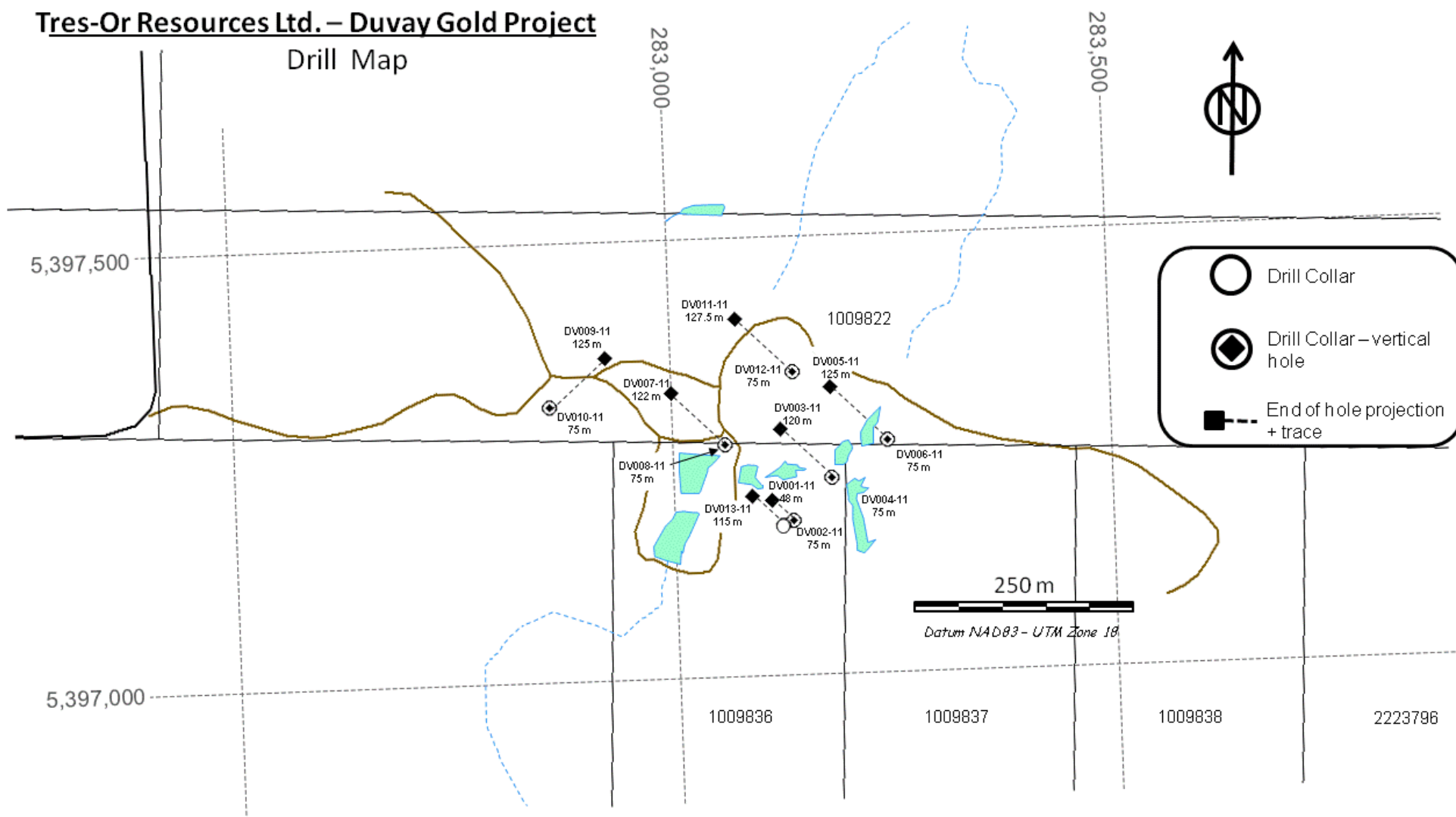
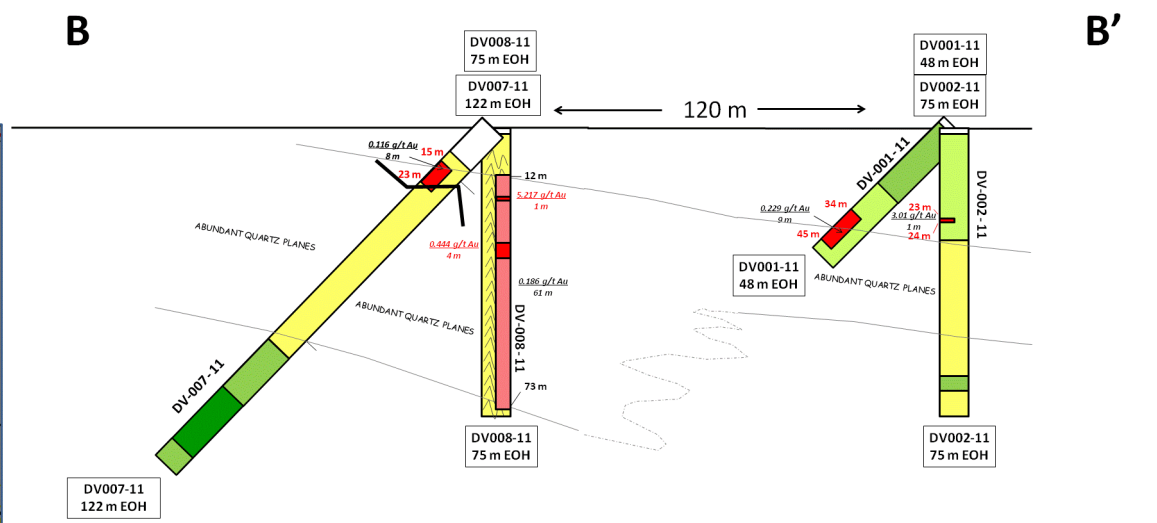
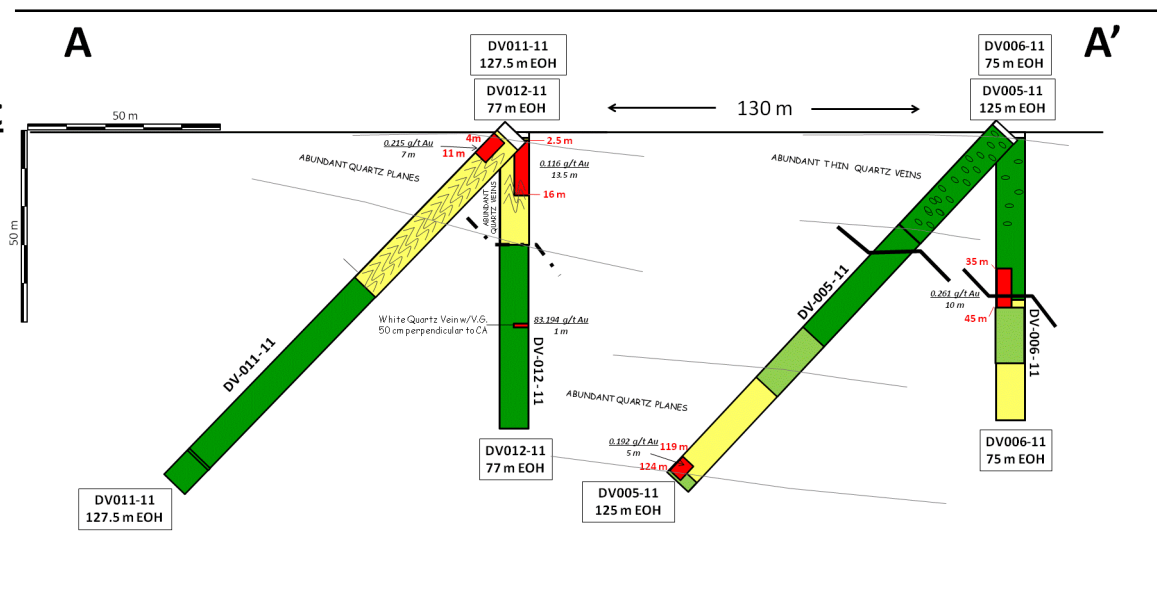
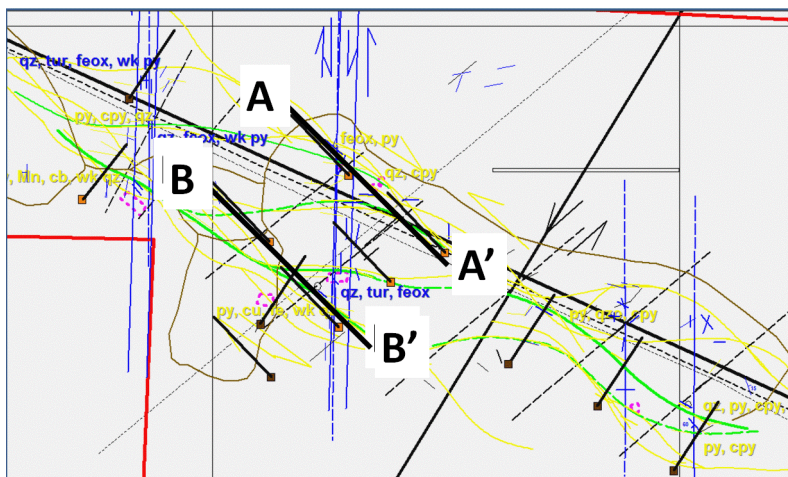
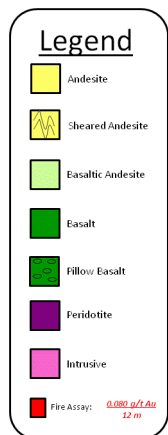


Figure 21: Drill sections 2011 program.

# Tres-Or Resources Ltd. – Duvay Gold Project

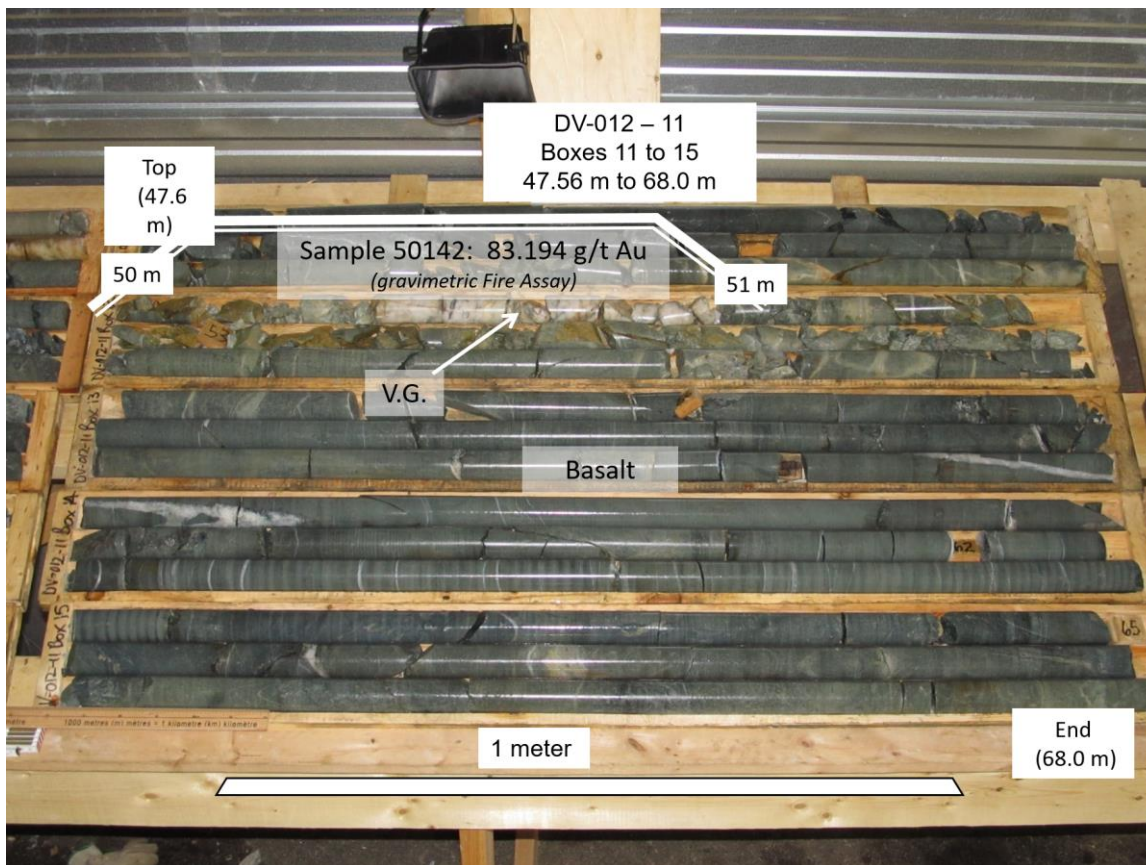
## Drill sections





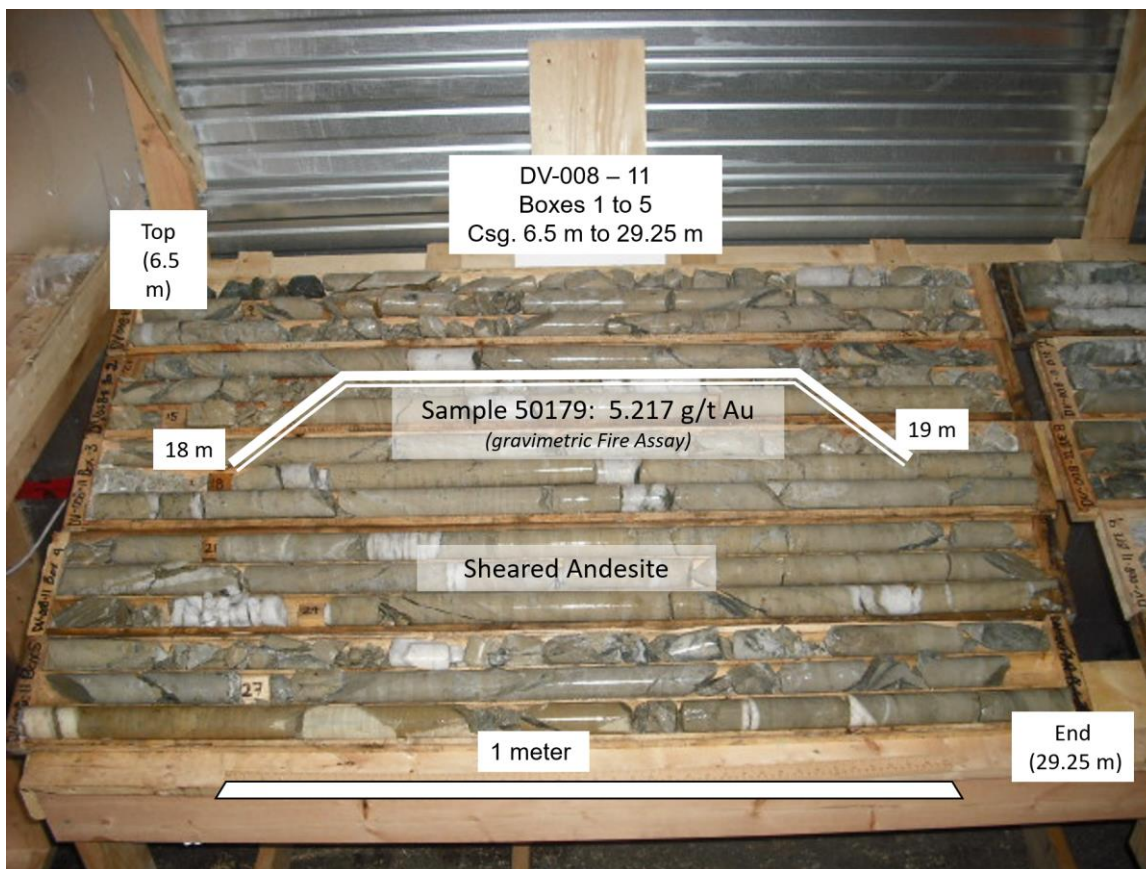
Drill holes DV009-11 and DV0010-11 on the western side of the tested area intersected gabbro, and DV009-11 also intersected peridotite, in addition to andesite and basalt.

Figure 22: The best interval (83.2 g/t Au over 1 m) from Tres-Or's 2011 drill program, with visible gold occurring in a white quartz vein, within the dark green (wet) basalt.



White quartz veins are abundant at the surface at Duvay, occurring as sub-horizontal planes, and in vertical (north-south) extensional fractures. In drill core, the white quartz veins comprise 0.75 to 3.4% of the drill core. Many of these veins are sub-horizontal planes (90 degrees to core axis in vertical holes). DV001-11, which was lost in the old underground workings, had the highest (3.4%) proportion of white quartz veins.

Figure 23. The second best drill interval from Tres-Or's 2011 drill program, occurring within the yellowish-brown andesite.



Analytical results include 83.194 grams per tonne (g/t) gold (Au) over 1 m from drill hole DV-012-11; 5.217 g/t Au over 1 m from drill hole DV-008-11; and 8 other intervals between 0.420 g/t Au and 1.930 g/t Au, from intervals between 1 and 7 m (Table 10). The reference core half of the high value sample of 83.194 g/t Au from the vertical drill hole DV012-11 was checked after receipt of the results, and observed to contain a sub-horizontal 0.5 m white quartz vein with visible gold.

Table 10: Selected intervals from the first 13 drill holes at Duvay by the Tres-Or.

<b>DDH #</b>	<b>g/t</b>	<b>m</b>	<b>from</b>	<b>to</b>
DV-012-11	83.194	1	50	51
DV-012-11	0.460	2	14	16
DV-008-11	5.217	1	18	19
	<i>and</i>	4	30	34
	<i>and</i>	1	56	57
DV-006-11	1.930	1	69	70
DV-003-11	0.537	7	25	32
DV-004-11	0.481	4	54	58
DV-005-11	0.420	2	121	123
DV-009-11	0.477	1	32	33

True thickness of the other intervals cannot be determined at this early stage of drilling due in part to the structural complexity of the shear zone.

The drill results, especially the 1 m interval of 83.194 g/t Au with visible gold support Duvay's reputation as a nugget gold occurrence, which extends back to government reports from the 1940s.

All historical drill hole locations and orientations on the Duvay-Chenier Property have been compiled in Table 11, based on reports filed with the Quebec government.

Table 11: Compiled drill hole locations, lengths and orientations (UTMs in datum NAD83 zone 18).

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
CAS-10-03-01	284317.00	5403443.00	305.00	225.00		360.00	-50.00
CAS-01-03-01	284118.00	5403044.00	305.00	176.00		360.00	-50.00
CAS-302-03-01	285703.00	5402083.00	308.34	177.00		360.00	-50.00
CAS-03-03-02	285099.00	5401406.00	305.00	201.00		160.00	-50.00
AN-88-06	276437.00	5401259.00	320.00	176.53		225.00	-50.00
CAS-03-03-01	285142.00	5401185.00	305.00	202.00		360.00	-50.00
CAS-07-02-01	287651.00	5401119.00	312.72	200.00		10.00	-50.00
CAS-05-03-02	282474.00	5401106.00	305.00	200.00		180.00	-50.00
CAS-05-02-01	282399.00	5400985.00	305.00	202.00		360.00	-55.00
CAS-04-03-01	283861.00	5400581.00	305.00	200.00		180.00	-55.00
AN-88-05	277656.00	5400199.00	320.00	189.00		315.00	-45.00
15-03	282122.57	5400169.69	304.91	303.89		195.00	-90.00
AN-88-04	277653.00	5400098.00	320.00	118.87		270.00	-45.00
15-02	282059.47	5399971.25	304.72	275.23		195.00	-90.00
AN-88-07	277806.00	5399967.00	319.08	192.00		210.00	-50.00
AN-88-09	277999.00	5399887.00	314.26	194.21		220.00	-50.00
AN-88-08	278002.00	5399838.00	313.86	182.88		180.00	-50.00
15-01	282003.51	5399794.64	304.55	458.85		195.00	-90.00
AN-88-10	277819.00	5399742.00	316.18	39.63		200.00	-50.00
15-04	281901.91	5399458.88	304.25	407.52		195.00	-90.00
AN-88-03	278138.00	5399355.00	305.12	152.44		225.00	-50.00
AN-88-01	278314.00	5399298.00	301.19	36.58		225.00	-45.00
AN-88-02	278314.00	5399298.00	301.19	192.22		225.00	-55.00
15-05	281792.77	5399099.71	303.92	382.22		195.00	-90.00
AD-88-01	278625.00	5398661.00	300.00	184.76		225.00	-50.00
AD-88-02	278889.00	5398238.00	300.00	154.27		225.00	-50.00
79-DU-BE-1	287104.00	5398229.00	312.41	149.96		360.00	-56.00
AD-88-06	279059.00	5398198.00	300.00	282.32		225.00	-50.00
L 86-1	281614.28	5398150.21	304.95	152.70	Yes	200.00	-55.00
DUV-02-02-01	286069.00	5398127.00	320.00	222.00		20.00	-55.00
L 86-2	281602.00	5398009.00	305.00	153.01	Yes	180.00	-55.00
79-DU-BE-6	292101.00	5398001.00	320.00	185.31		180.00	-54.00
AD-88-03	278301.00	5397999.00	300.00	288.34		180.00	-50.00
AD-88-04	278647.00	5397779.00	300.00	199.94		200.00	-50.00
AD-88-05	279334.00	5397773.00	300.28	145.03		225.00	-50.00
B-6	282097.06	5397687.52	315.80	78.03	Yes	210.00	-45.00
B-5	282115.31	5397665.30	316.50	120.09	Yes	210.00	-45.00
OBA-89-86	281994.37	5397650.52	314.98	30.48	Yes	0.00	-90.00
OBA-89-54	282004.29	5397649.96	315.14	30.48	Yes	0.00	-90.00
OBA-89-55	282014.69	5397649.64	315.30	30.48	Yes	0.00	-90.00
OBA-89-59	282033.66	5397649.33	315.59	30.48	Yes	0.00	-90.00
OBA-89-58	282024.61	5397648.93	315.46	30.48	Yes	0.00	-90.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
OBA-89-60	282044.85	5397648.53	315.77	30.48	Yes	0.00	-90.00
OBA-89-61	282054.77	5397647.90	315.93	30.48	Yes	0.00	-90.00
OBA-89-62	282064.93	5397647.34	316.10	30.48	Yes	0.00	-90.00
OBA-89-63	282074.91	5397647.21	316.25	30.27	Yes	0.00	-90.00
OBA-89-64	282086.02	5397646.79	316.42	30.48	Yes	0.00	-90.00
OBA-89-77	282116.92	5397646.58	316.89	30.48	Yes	0.00	-90.00
OBA-89-66	282105.92	5397646.05	316.73	30.48	Yes	0.00	-90.00
OBA-89-80	281983.04	5397640.54	315.00	30.48	Yes	0.00	-90.00
OBA-89-85	281993.94	5397640.01	315.17	30.48	Yes	0.00	-90.00
OBA-89-53	282003.36	5397639.59	315.32	30.48	Yes	0.00	-90.00
A-1	282744.64	5397639.54	330.54	213.97	Yes	130.00	-45.00
OBA-89-56	282013.95	5397639.38	315.49	30.48	Yes	0.00	-90.00
OBA-89-57	282023.58	5397638.85	315.64	30.48	Yes	0.00	-90.00
OBA-89-33	282073.95	5397638.53	316.40	32.30	Yes	85.00	-90.00
OBA-89-29	282083.80	5397638.00	316.56	32.30	Yes	85.00	-90.00
OBA-89-50	282034.37	5397637.69	315.82	30.50	Yes	85.00	-90.00
OBA-89-35	282052.47	5397637.47	316.10	32.30	Yes	85.00	-90.00
OBA-89-34	282064.43	5397637.37	316.28	32.30	Yes	85.00	-90.00
OBA-89-65	282095.65	5397637.05	316.75	30.48	Yes	0.00	-90.00
OBA-89-36	282044.11	5397636.42	315.99	32.30	Yes	85.00	-90.00
OBA-89-67	282105.60	5397636.10	316.92	30.48	Yes	0.00	-90.00
OBA-89-76	282116.50	5397635.25	317.10	30.48	Yes	0.00	-90.00
OBA-89-84	281993.31	5397631.23	315.33	30.48	Yes	0.00	-90.00
OBA-89-13	282035.22	5397630.81	315.97	32.30	Yes	85.00	-90.00
OBA-89-12	282028.66	5397630.70	315.87	32.30	Yes	85.00	-90.00
OBA-89-52	282003.36	5397630.70	315.49	30.48	Yes	0.00	-90.00
OBA-89-79	281983.98	5397630.07	315.22	30.48	Yes	0.00	-90.00
OBA-89-14	282042.84	5397629.54	316.11	32.30	Yes	85.00	-90.00
OBA-89-18	282053.63	5397629.22	316.27	29.43	Yes	85.00	-90.00
OBA-89-22	282063.90	5397629.01	316.43	32.30	Yes	85.00	-90.00
OBA-89-26	282073.64	5397628.27	316.59	32.30	Yes	85.00	-90.00
OBA-89-01	282013.52	5397627.53	315.71	32.30	Yes	85.00	-90.00
OBA-89-37	282095.23	5397626.47	316.95	32.30	Yes	85.00	-90.00
OBA-89-68	282105.60	5397626.36	317.11	30.48	Yes	0.00	-90.00
OBA-89-75	282114.91	5397625.20	317.27	30.48	Yes	0.00	-90.00
OBA-89-30	282084.43	5397624.78	316.82	32.30	Yes	85.00	-90.00
OBA-89-78	281983.19	5397622.76	315.35	30.48	Yes	0.00	-90.00
OBA-89-83	281990.77	5397621.18	315.49	30.48	Yes	0.00	-90.00
OBA-89-51	282003.15	5397620.54	315.69	30.48	Yes	0.00	-90.00
OBA-89-08	282023.47	5397620.43	315.99	32.30	Yes	85.00	-90.00
OBA-89-09	282033.74	5397619.48	316.16	32.30	Yes	85.00	-90.00
OBA-89-15	282043.47	5397618.95	316.32	32.30	Yes	85.00	-90.00
OBA-89-02	282013.31	5397617.79	315.89	32.30	Yes	85.00	-90.00
OBA-89-27	282074.27	5397617.58	316.81	38.40	Yes	85.00	-90.00



HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
OBA-89-19	282054.80	5397617.16	316.52	32.30	Yes	85.00	-90.00
OBA-89-23	282064.01	5397617.16	316.66	32.30	Yes	85.00	-90.00
OBA-89-69	282104.75	5397615.88	317.30	30.48	Yes	0.00	-90.00
OBA-89-38	282095.44	5397615.46	317.17	32.30	Yes	85.00	-90.00
OBA-89-74	282115.33	5397615.46	317.46	30.42	Yes	0.00	-90.00
OBA-89-81	282124.33	5397615.46	317.60	30.48	Yes	0.00	-90.00
OBA-89-31	282086.76	5397614.93	317.05	38.40	Yes	85.00	-90.00
OBA-89-03	282012.04	5397611.76	315.99	32.30	Yes	85.00	-90.00
OBA-89-07	282023.68	5397608.90	316.22	32.30	Yes	85.00	-90.00
OBA-89-20	282056.81	5397608.79	316.72	35.40	Yes	85.00	-90.00
OBA-89-16	282043.26	5397608.58	316.52	32.30	Yes	85.00	-90.00
OBA-89-10	282034.16	5397608.37	316.38	32.30	Yes	85.00	-90.00
OBA-89-24	282063.05	5397607.74	316.83	35.14	Yes	85.00	-90.00
OBA-89-70	282106.87	5397607.63	317.49	30.48	Yes	0.00	-90.00
OBA-89-28	282076.49	5397607.42	317.04	32.30	Yes	85.00	-90.00
OBA-89-32	282084.75	5397606.89	317.17	32.30	Yes	85.00	-90.00
OBA-89-39	282095.01	5397606.36	317.33	32.30	Yes	85.00	-90.00
OBA-89-82	282125.92	5397604.24	317.84	30.48	Yes	0.00	-90.00
A-2	282692.12	5397604.22	329.55	244.75	Yes	130.00	-45.00
OBA-89-73	282115.23	5397603.18	317.70	30.48	Yes	0.00	-90.00
OBA-89-06	282023.68	5397601.60	316.36	32.30	Yes	85.00	-90.00
OBA-89-25	282064.96	5397599.48	317.02	32.30	Yes	85.00	-90.00
OBA-89-17	282044.00	5397599.16	316.71	35.35	Yes	85.00	-90.00
OBA-89-04	282012.15	5397598.95	316.24	32.30	Yes	85.00	-90.00
OBA-89-21	282055.75	5397598.10	316.91	32.30	Yes	85.00	-90.00
OBA-89-11	282032.15	5397597.79	316.56	32.30	Yes	85.00	-90.00
OBA-89-72	282084.54	5397596.94	317.36	30.48	Yes	0.00	-90.00
OBA-89-71	282074.17	5397595.99	317.22	30.48	Yes	0.00	-90.00
OBA-89-40	282094.80	5397591.86	317.61	35.40	Yes	85.00	-90.00
78-DU-B-1	282035.00	5397591.00	316.73	123.14	Yes	360.00	-50.00
OBA-89-05	282023.79	5397590.80	316.57	32.30	Yes	85.00	-90.00
OBA-89-48	282053.21	5397587.84	317.06	30.50	Yes	85.00	-90.00
OBA-89-42	282087.50	5397587.73	317.58	38.40	Yes	85.00	-90.00
OBA-89-46	282063.48	5397587.52	317.22	41.50	Yes	330.00	-76.00
OBA-89-41	282093.85	5397586.36	317.70	32.30	Yes	85.00	-90.00
OBA-89-44	282073.42	5397585.30	317.42	39.60	Yes	85.00	-90.00
OBA-89-47	282053.10	5397578.00	317.25	32.30	Yes	85.00	-90.00
OBA-89-49	282063.05	5397577.47	317.41	30.50	Yes	85.00	-90.00
OBA-89-43	282083.36	5397571.33	317.83	32.30	Yes	85.00	-90.00
OBA-89-45	282070.19	5397569.74	317.67	30.40	Yes	85.00	-90.00
A-3	282693.22	5397510.48	330.11	182.88	Yes	129.00	-45.00
DUV-87-32	282837.10	5397494.83	335.00	170.70	Yes	0.00	-50.00
DUV-87-08	282444.50	5397494.36	323.78	136.55	Yes	120.00	-50.00
DUV-87-30	282836.72	5397488.35	335.00	184.40	Yes	120.00	-50.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
B-4	282364.99	5397479.30	322.65	175.26	Yes	210.00	-45.00
DUV-87-28	282413.12	5397463.25	323.89	165.81	Yes	120.00	-51.00
A-4	282664.11	5397458.02	329.71	225.55	Yes	132.00	-45.00
DUV-87-39	282734.17	5397456.37	332.08	107.90	Yes	150.00	-53.00
DUV-87-09	282540.87	5397444.30	326.67	151.18	Yes	118.00	-50.00
B-3	282411.82	5397440.14	324.38	138.38	Yes	210.00	-45.00
DUV-87-40	282670.51	5397423.83	330.30	197.21	Yes	150.00	-52.00
DUV-86-05	282988.91	5397420.48	335.00	175.60	Yes	360.00	-45.00
AD-88-07	279320.00	5397417.00	300.23	139.02		200.00	-50.00
DUV-87-25	282524.46	5397416.52	326.98	152.40	Yes	120.00	-48.00
A-5	282619.73	5397414.17	329.06	242.32	Yes	131.00	-45.00
DUV-88-01	282600.81	5397408.60	328.77	61.00	Yes	0.00	-90.00
DUV-88-02	282609.12	5397403.41	329.07	61.00	Yes	0.00	-90.00
DUV-88-103	282570.75	5397398.40	328.23	74.95	Yes	0.00	-90.00
DUV-88-03	282617.80	5397397.96	329.38	61.00	Yes	0.00	-90.00
B-2	282448.33	5397396.75	326.02	146.30	Yes	210.00	-45.00
DUV-88-04	282626.05	5397392.88	329.68	60.85	Yes	0.00	-90.00
DUV-88-68	282636.85	5397391.45	329.96	41.00	Yes	0.00	-90.00
DUV-88-102	282583.08	5397390.39	328.64	60.90	Yes	0.00	-90.00
DUV-87-38	282614.25	5397388.69	329.40	113.39	Yes	165.00	-53.00
DUV-87-11	282607.81	5397388.32	329.22	154.23	Yes	118.00	-52.00
DUV-88-64	282639.18	5397384.79	330.15	30.20	Yes	0.00	-90.00
DUV-88-65	282643.09	5397382.19	330.29	30.65	Yes	0.00	-90.00
DUV-88-66	282647.43	5397379.36	330.45	45.72	Yes	0.00	-90.00
DUV-88-101	282600.34	5397379.34	329.20	48.75	Yes	0.00	-90.00
DUV-88-100	282604.52	5397377.11	329.33	47.90	Yes	0.00	-90.00
DUV-88-61	282608.41	5397374.45	329.46	53.40	Yes	0.00	-90.00
DUV-88-67	282659.37	5397372.14	330.83	30.40	Yes	0.00	-90.00
DUV-88-07	282612.75	5397371.85	329.60	45.60	Yes	0.00	-90.00
DUV-88-62	282616.33	5397369.56	329.71	45.90	Yes	0.00	-90.00
DUV-88-06	282620.81	5397366.55	329.86	38.05	Yes	0.00	-90.00
DUV-88-11	282578.12	5397364.39	329.12	61.00	Yes	0.00	-90.00
DUV-87-26	282588.28	5397364.19	329.32	198.10	Yes	120.00	-50.00
DUV-88-05	282624.93	5397363.67	330.02	38.07	Yes	0.00	-90.00
A-6	282586.81	5397361.86	329.34	140.82	Yes	130.00	-45.00
DUV-88-63	282629.13	5397361.25	330.17	30.35	Yes	0.00	-90.00
DUV-87-13	282681.57	5397352.34	331.71	154.23	Yes	120.00	-50.00
A-7	282503.89	5397351.24	328.05	84.43	Yes	130.00	-45.00
DUV-88-10	282599.16	5397351.01	329.81	46.25	Yes	0.00	-90.00
B-1	282490.13	5397348.59	327.85	63.00	Yes	210.00	-45.00
DUV-88-60	282603.28	5397348.42	329.94	38.10	Yes	0.00	-90.00
DUV-88-09	282607.51	5397345.79	330.08	37.35	Yes	0.00	-90.00
DV-011-11	282638.00	5397345.00	330.66	127.50	Yes	315.00	-46.00
DV-012-11	282638.00	5397345.00	330.66	77.00	Yes	0.00	-90.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
DUV-88-08	282611.60	5397343.30	330.21	38.10	Yes	0.00	-90.00
DUV-88-164	282752.21	5397342.86	333.93	53.35	Yes	0.00	-90.00
DUV-88-59	282614.61	5397341.30	330.31	37.75	Yes	0.00	-90.00
DUV-88-58	282578.03	5397335.39	329.77	60.85	Yes	0.00	-90.00
DUV-86-06	283341.21	5397334.89	335.00	144.80	Yes	30.00	-50.00
DUV-88-57	282585.89	5397330.25	330.02	45.60	Yes	0.00	-90.00
DUV-88-163	282771.28	5397326.78	334.74	48.90	Yes	0.00	-90.00
DUV-88-69	282598.47	5397321.58	330.45	30.50	Yes	0.00	-90.00
DUV-88-70	282603.84	5397319.63	330.59	35.00	Yes	0.00	-90.00
DUV-88-56	282608.35	5397316.61	330.74	30.35	Yes	0.00	-90.00
DUV-88-162	282746.46	5397316.59	334.02	47.25	Yes	0.00	-90.00
DUV-88-94	282658.12	5397314.20	331.71	30.50	Yes	0.00	-90.00
DV-009-11	282361.00	5397314.00	325.59	125.00	Yes	40.00	-48.00
DV-010-11	282361.00	5397314.00	325.59	75.10	Yes	0.00	-90.00
DUV-88-55	282611.26	5397313.63	330.86	30.35	Yes	0.00	-90.00
DUV-88-95	282662.02	5397311.70	331.84	30.50	Yes	0.00	-90.00
DUV-88-54	282615.03	5397311.60	330.97	30.55	Yes	0.00	-90.00
DUV-88-96	282666.27	5397309.02	331.98	30.50	Yes	0.00	-90.00
DUV-88-15	282619.20	5397308.72	331.12	30.65	Yes	0.00	-90.00
DUV-88-52	282574.11	5397307.75	330.31	30.55	Yes	0.00	-90.00
DUV-88-50	282589.61	5397306.81	330.61	30.65	Yes	0.00	-90.00
DUV-88-97	282670.44	5397306.28	332.11	30.50	Yes	0.00	-90.00
DUV-88-14	282623.75	5397305.85	331.26	30.50	Yes	0.00	-90.00
DUV-88-51	282577.44	5397305.22	330.42	30.10	Yes	0.00	-90.00
DUV-88-49	282593.30	5397304.35	330.73	30.25	Yes	0.00	-90.00
DUV-88-161	282720.66	5397304.19	333.47	47.30	Yes	0.00	-90.00
DUV-88-98	282674.50	5397303.81	332.24	30.50	Yes	0.00	-90.00
DUV-88-13	282628.07	5397303.22	331.40	30.85	Yes	0.00	-90.00
DUV-87-21	282267.13	5397302.70	323.23	198.10	Yes	30.00	-50.00
DUV-88-48	282597.75	5397301.44	330.88	30.35	Yes	0.00	-90.00
DUV-88-99	282678.49	5397301.04	332.38	30.50	Yes	0.00	-90.00
DUV-88-12	282632.22	5397300.44	331.54	30.55	Yes	0.00	-90.00
DUV-87-23	282276.60	5397299.47	323.51	152.40	Yes	120.00	-50.00
DUV-86-07	282536.83	5397299.44	329.63	244.40	Yes	120.00	-50.00
DUV-88-118	282612.67	5397298.15	331.23	30.50	Yes	0.00	-90.00
DUV-88-53	282636.17	5397298.11	331.66	30.30	Yes	0.00	-90.00
DUV-87-16	282757.40	5397296.51	334.61	154.23	Yes	120.00	-50.00
DUV-88-73	282639.90	5397295.35	331.79	30.50	Yes	0.00	-90.00
DUV-88-117	282617.01	5397295.16	331.38	30.00	Yes	0.00	-90.00
DUV-88-119	282604.53	5397294.51	331.16	30.80	Yes	0.00	-90.00
DUV-88-47	282597.92	5397293.15	331.06	30.35	Yes	0.00	-90.00
DUV-88-72	282643.49	5397293.14	331.91	30.60	Yes	0.00	-90.00
DUV-88-116	282621.30	5397292.71	331.51	30.60	Yes	0.00	-90.00
DUV-88-120	282608.85	5397291.96	331.30	30.65	Yes	0.00	-90.00



HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
DUV-88-115	282625.32	5397290.17	331.64	38.10	Yes	0.00	-90.00
DUV-88-24	282601.92	5397290.04	331.19	30.50	Yes	0.00	-90.00
DUV-87-17	282406.25	5397289.63	326.89	231.60	Yes	30.00	-50.00
DUV-87-20	282406.25	5397289.63	326.89	114.30	Yes	120.00	-50.00
DUV-88-121	282612.89	5397289.13	331.43	30.50	Yes	0.00	-90.00
DUV-88-23	282606.18	5397287.80	331.31	30.70	Yes	0.00	-90.00
DUV-88-71	282645.31	5397286.47	332.09	30.50	Yes	0.00	-90.00
DUV-88-122	282617.13	5397286.31	331.57	30.50	Yes	0.00	-90.00
DUV-88-131	282581.47	5397286.02	330.79	38.45	Yes	0.00	-90.00
DUV-88-128	282598.53	5397285.22	331.17	30.30	Yes	0.00	-90.00
DUV-88-22	282610.42	5397285.04	331.44	30.75	Yes	0.00	-90.00
DUV-88-154	282574.71	5397284.94	330.65	30.50	Yes	0.00	-90.00
DUV-87-33	282781.85	5397284.22	335.00	188.10	Yes	120.00	-50.00
DUV-88-108	282542.36	5397283.97	329.95	63.00	Yes	0.00	-90.00
DUV-88-123	282621.46	5397283.95	331.69	30.45	Yes	0.00	-90.00
DUV-88-111	282585.84	5397283.72	330.91	38.85	Yes	0.00	-90.00
DUV-88-127	282602.74	5397282.73	331.30	30.55	Yes	0.00	-90.00
DUV-88-32	282567.64	5397282.63	330.53	30.00	Yes	0.00	-90.00
DUV-88-21	282614.66	5397282.40	331.56	30.70	Yes	0.00	-90.00
DUV-88-153	282578.69	5397281.94	330.78	30.60	Yes	0.00	-90.00
DUV-88-112	282590.44	5397281.06	331.05	38.40	Yes	0.00	-90.00
DUV-86-01	282322.61	5397280.97	324.89	200.30	Yes	30.00	-50.00
DUV-88-126	282606.89	5397279.79	331.43	30.75	Yes	0.00	-90.00
DUV-88-31	282572.24	5397279.79	330.67	30.75	Yes	0.00	-90.00
DUV-88-20	282618.66	5397279.69	331.69	30.81	Yes	0.00	-90.00
DUV-88-152	282582.77	5397279.48	330.90	31.75	Yes	0.00	-90.00
DUV-88-113	282594.45	5397278.75	331.17	38.00	Yes	0.00	-90.00
DUV-88-107	282552.18	5397277.88	330.25	53.45	Yes	0.00	-90.00
DUV-88-19	282621.72	5397277.48	331.78	30.35	Yes	0.00	-90.00
DUV-88-30	282576.24	5397277.34	330.78	30.50	Yes	0.00	-90.00
DUV-88-110	282510.98	5397276.67	329.36	76.20	Yes	0.00	-90.00
DUV-88-151	282586.59	5397276.66	331.02	30.50	Yes	0.00	-90.00
DUV-88-125	282610.99	5397276.62	331.56	30.40	Yes	0.00	-90.00
DUV-88-155	282569.02	5397276.50	330.64	30.50	Yes	0.00	-90.00
DUV-88-114	282598.66	5397276.21	331.29	38.25	Yes	0.00	-90.00
DUV-88-29	282579.74	5397275.06	330.89	30.50	Yes	0.00	-89.00
DUV-88-93	282533.42	5397274.68	329.88	60.80	Yes	0.00	-90.00
DUV-88-18	282627.08	5397274.34	331.94	30.40	Yes	0.00	-90.00
DUV-88-124	282614.88	5397274.21	331.67	30.55	Yes	0.00	-90.00
DUV-88-150	282591.29	5397273.92	331.16	30.45	Yes	0.00	-90.00
DUV-87-31	282593.19	5397273.78	331.20	726.64	Yes	0.00	-90.00
DUV-88-156	282573.20	5397273.72	330.76	30.40	Yes	0.00	-90.00
DUV-88-130	282603.10	5397273.52	331.42	29.90	Yes	0.00	-90.00
DUV-88-28	282584.47	5397271.98	331.03	30.65	Yes	0.00	-90.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
DUV-88-17	282631.24	5397271.64	332.07	30.65	Yes	0.00	-90.00
DUV-88-106	282562.29	5397271.61	330.55	50.40	Yes	0.00	-90.00
DUV-88-140	282548.10	5397271.05	330.25	53.65	Yes	0.00	-90.00
DUV-88-129	282607.23	5397270.90	331.55	30.30	Yes	0.00	-90.00
DUV-88-157	282577.23	5397270.89	330.89	30.35	Yes	0.00	-90.00
DUV-88-149	282595.97	5397270.78	331.30	30.40	Yes	0.00	-90.00
DUV-88-109	282518.60	5397270.56	329.60	61.00	Yes	0.00	-90.00
DUV-88-27	282588.71	5397269.53	331.16	30.40	Yes	0.00	-89.00
DUV-88-16	282635.26	5397269.25	332.19	30.60	Yes	0.00	-90.00
DUV-88-105	282570.54	5397268.95	330.77	38.25	Yes	0.00	-90.00
DUV-88-139	282552.95	5397268.59	330.38	45.70	Yes	0.00	-90.00
DUV-88-148	282600.56	5397268.11	331.44	30.85	Yes	0.00	-90.00
DUV-88-104	282581.91	5397267.84	331.03	38.40	Yes	0.00	-90.00
DUV-88-92	282499.51	5397267.34	329.22	64.00	Yes	0.00	-90.00
DUV-88-81	282545.85	5397266.93	330.25	39.20	Yes	0.00	-90.00
DUV-88-26	282593.54	5397266.46	331.30	30.50	Yes	0.00	-90.00
DUV-88-141	282557.29	5397265.63	330.52	45.70	Yes	0.00	-90.00
DUV-88-147	282604.98	5397265.46	331.57	31.10	Yes	0.00	-90.00
DUV-88-158	282586.22	5397265.17	331.16	30.40	Yes	0.00	-90.00
DV-007-11	282559.00	5397265.00	330.56	122.00	Yes	315.00	-46.00
DV-008-11	282559.00	5397265.00	330.56	75.00	Yes	0.00	-90.00
DUV-88-80	282550.25	5397264.43	330.38	53.00	Yes	0.00	-90.00
DUV-88-142	282574.51	5397264.42	330.91	40.20	Yes	0.00	-90.00
DUV-88-25	282597.33	5397264.03	331.42	30.75	Yes	0.00	-90.00
DV-005-11	282744.00	5397264.00	334.64	125.00	Yes	315.00	-45.00
DV-006-11	282744.00	5397264.00	334.64	75.00	Yes	0.00	-90.00
DUV-88-146	282608.52	5397263.22	331.68	30.60	Yes	0.00	-90.00
DUV-88-138	282562.02	5397262.61	330.66	45.75	Yes	0.00	-90.00
DUV-88-159	282590.05	5397262.53	331.28	30.55	Yes	0.00	-90.00
DUV-88-90	282508.09	5397262.07	329.48	60.90	Yes	0.00	-90.00
DUV-88-143	282577.98	5397261.80	331.02	38.00	Yes	0.00	-90.00
DUV-88-79	282555.03	5397261.63	330.52	53.45	Yes	0.00	-90.00
DUV-87-12	282678.18	5397261.48	333.23	198.10	Yes	30.00	-50.00
DUV-88-46	282601.34	5397261.22	331.54	30.50	Yes	0.00	-90.00
1946-19	282694.28	5397260.63	333.56	272.80		225.00	-65.00
1946-14	282659.63	5397260.39	332.84	192.02		225.00	-60.00
DUV-88-44	282612.53	5397260.33	331.80	30.45	Yes	0.00	-90.00
DUV-88-137	282565.76	5397260.26	330.77	45.60	Yes	0.00	-90.00
1946-13	282659.95	5397260.24	332.84	133.81		227.00	-45.00
1946-18	282659.47	5397260.08	332.84	336.80	Yes	40.00	-45.00
DUV-88-160	282594.32	5397259.69	331.41	30.65	Yes	0.00	-90.00
DUV-88-78	282559.01	5397259.07	330.64	45.90	Yes	0.00	-90.00
DUV-88-45	282605.54	5397258.61	331.67	30.45	Yes	0.00	-90.00
DUV-87-18	282822.12	5397258.14	335.00	163.37	Yes	120.00	-49.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
DUV-88-136	282569.84	5397258.10	330.89	45.75	Yes	0.00	-90.00
DUV-88-77	282562.99	5397256.59	330.76	45.80	Yes	0.00	-90.00
DUV-88-144	282586.78	5397256.28	331.29	37.55	Yes	0.00	-90.00
DUV-88-135	282574.61	5397255.06	331.03	45.70	Yes	0.00	-90.00
DU-08-01	282594.00	5397255.00	331.46	30.48	Yes	0.00	-90.00
DUV-88-89	282519.41	5397254.93	329.82	61.00	Yes	0.00	-90.00
DUV-88-76	282567.73	5397253.73	330.90	45.55	Yes	0.00	-90.00
DUV-88-145	282591.37	5397253.57	331.42	38.25	Yes	0.00	-90.00
DU-08-02	282604.00	5397253.00	331.71	30.48	Yes	0.00	-90.00
DUV-88-43	282614.76	5397252.95	331.94	30.45	Yes	0.00	-90.00
DUV-88-134	282578.51	5397252.78	331.15	46.20	Yes	0.00	-90.00
DU-08-03	282614.00	5397251.00	331.95	30.48	Yes	0.00	-90.00
DUV-88-75	282571.76	5397250.96	331.02	45.55	Yes	0.00	-90.00
DUV-88-42	282618.17	5397250.47	332.05	30.50	Yes	0.00	-90.00
DUV-88-133	282582.45	5397250.00	331.27	12.50	Yes	0.00	-90.00
DUV-88-74	282576.13	5397247.78	331.16	45.85	Yes	0.00	-90.00
DUV-88-41	282622.46	5397247.50	332.18	30.80	Yes	0.00	-88.50
DUV-88-132	282587.35	5397246.82	331.42	46.05	Yes	0.00	-90.00
DUV-88-85	282533.03	5397246.14	330.23	61.00	Yes	0.00	-90.00
DUV-88-40	282580.13	5397245.47	331.28	45.80	Yes	0.00	-90.00
DUV-87-14	282471.28	5397244.28	328.90	210.30	Yes	30.00	-50.00
DUV-87-15	282471.28	5397244.28	328.90	121.90	Yes	120.00	-50.00
DUV-88-39	282584.13	5397243.09	331.40	45.50	Yes	0.00	-90.00
1946-12	282645.98	5397242.30	332.77	115.82		222.00	-45.00
DUV-88-91	282494.93	5397241.17	329.46	25.90	Yes	0.00	-90.00
DUV-88-84	282541.20	5397240.98	330.48	60.95	Yes	0.00	-90.00
DUV-88-37	282588.38	5397240.87	331.52	45.40	Yes	0.00	-90.00
1946-15	282853.88	5397238.78	335.00	163.68	Yes	20.00	-45.00
DUV-88-36	282592.31	5397238.13	331.64	45.85	Yes	0.00	-90.00
1946-24	282565.17	5397237.85	331.05	97.54		187.00	-45.00
DUV-88-35	282596.52	5397235.27	331.77	45.70	Yes	0.00	-90.00
DUV-87-35	282863.08	5397234.21	335.00	142.30	Yes	120.00	-50.00
DUV-87-27	282756.50	5397233.70	335.00	175.26	Yes	120.00	-50.00
DUV-88-38	282600.76	5397232.77	331.89	45.75	Yes	0.00	-90.00
1946-8	282755.19	5397232.34	335.00	114.30	Yes	215.00	-45.00
DUV-88-83	282558.05	5397230.47	330.98	60.90	Yes	0.00	-90.00
1946-103	281915.00	5397230.00	319.82	128.02		59.00	-45.00
DUV-88-34	282605.37	5397229.79	332.03	45.15	Yes	0.00	-90.00
1946-22	282631.06	5397229.60	332.60	151.79		0.00	-90.00
DUV-88-33	282609.16	5397225.93	332.17	45.50	Yes	0.00	-90.00
DUV-88-82	282566.42	5397225.15	331.24	60.96	Yes	0.00	-90.00
1946-5W	282314.19	5397224.87	324.85	87.17		286.00	-45.00
DV-003-11	282680.00	5397224.00	333.75	120.00	Yes	315.00	-48.00
DV-004-11	282680.00	5397224.00	333.75	75.00	Yes	0.00	-89.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
DUV-88-86	282532.05	5397217.30	330.58	61.00	Yes	0.00	-90.00
1945-2	282584.96	5397215.53	331.77	110.34	Yes	75.00	-45.00
1945-4	282584.64	5397215.31	331.76	121.46	Yes	64.00	-60.00
1946-21	282562.32	5397213.25	331.30	153.01		137.00	-45.00
1946-23	282562.32	5397213.25	331.30	107.59		166.00	-45.00
DUV-86-08	282677.85	5397213.19	333.84	96.50	Yes	0.00	-90.00
1946-26	282536.00	5397213.00	330.72	110.64		100.00	-45.00
DUV-87-19	282904.93	5397211.74	335.00	146.30	Yes	120.00	-48.00
80-4-2	282690.00	5397210.00	334.15	37.88	Yes	180.00	-45.00
80-4A-2	282690.00	5397210.00	334.15	38.10	Yes	180.00	-65.00
1946-W2	282305.93	5397209.95	324.54	105.77	Yes	8.00	-45.00
DUV-88-87	282544.98	5397209.52	330.96	60.95	Yes	0.00	-90.00
80-1	282589.16	5397205.82	331.98	37.80	Yes	180.00	-45.00
80-1A	282589.16	5397205.82	331.98	39.62	Yes	180.00	-65.00
80-2	282606.23	5397205.42	332.36	37.49	Yes	180.00	-45.00
80-2A	282606.23	5397205.42	332.36	38.10	Yes	180.00	-65.00
80-3	282625.41	5397204.37	332.80	39.93	Yes	180.00	-45.00
80-3A	282625.41	5397204.37	332.80	39.93	Yes	180.00	-65.00
1946-25	282568.00	5397204.00	331.54	142.34		137.00	-65.00
80-4-1	282648.43	5397202.64	333.33	39.93	Yes	180.00	-45.00
80-4A-1	282648.43	5397202.64	333.33	39.01	Yes	180.00	-65.00
DUV-88-88	282557.16	5397201.39	331.34	60.95	Yes	0.00	-90.00
1946-27	282838.43	5397200.68	335.00	87.48		0.00	-90.00
1945-3	282622.16	5397200.28	332.78	81.69	Yes	15.00	-45.00
1946-W4	282301.81	5397196.21	324.45	121.31	Yes	327.00	-45.00
DUV-86-09	282694.93	5397195.04	334.45	93.30	Yes	0.00	-90.00
DUV-86-02	282515.20	5397194.27	330.51	194.20	Yes	30.00	-50.00
1946-W1	282301.65	5397191.05	324.46	85.04	Yes	200.00	-45.00
1945-1	282565.28	5397189.57	331.67	137.46	Yes	35.00	-60.00
DUV-85-08	282657.00	5397189.00	333.69	365.80	Yes	0.00	0.00
1946-101	282131.00	5397183.00	320.00	117.04		10.00	-60.00
1946-27A	282831.44	5397181.84	335.00	98.45		0.00	-90.00
DUV-87-07	282607.06	5397177.54	332.74	160.90	Yes	30.00	-50.00
DV-001-11	282635.00	5397176.00	333.37	48.00	Yes	315.00	-45.00
DV-002-11	282635.00	5397176.00	333.37	75.00	Yes	0.00	-90.00
1946-102	282203.00	5397176.00	321.61	103.94		5.00	-60.00
1946-10	282546.12	5397174.51	331.44	106.38		325.00	-45.00
1946-9	282546.12	5397174.51	331.44	114.91		350.00	-45.00
1946-11	282546.28	5397174.19	331.45	129.54		13.00	-45.00
DUV-85-09	282686.00	5397173.00	334.53	321.80	Yes	0.00	0.00
1946-17	282811.76	5397172.11	335.00	96.01		47.00	-45.00
DUV-87-22	282972.93	5397171.25	335.00	206.35	Yes	120.00	-48.00
DV-013-11	282623.00	5397171.00	333.17	116.00	Yes	315.00	-65.00
1946-20	282552.14	5397166.22	331.68	322.17		28.00	-70.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
1946-W3	282303.39	5397163.99	324.56	146.91	Yes	20.00	-45.00
1945-5	282642.11	5397163.61	333.69	97.54	Yes	30.00	-45.00
1946-104	281965.02	5397156.53	320.00	133.50	Yes	15.00	-45.00
DUV-87-06	282741.69	5397152.68	335.00	190.80	Yes	30.00	-50.00
DUV-87-34	283008.86	5397148.12	335.00	142.34	Yes	120.00	-50.00
DUV-87-10	282671.41	5397144.50	334.58	222.50	Yes	30.00	-50.00
DUV-86-03	282660.63	5397140.92	334.39	142.40	Yes	30.00	-50.00
1945-6	282688.39	5397132.26	335.00	121.31	Yes	30.00	-60.00
1946-16	282812.39	5397127.87	335.00	135.64		17.00	-45.00
DUV-85-03	282653.00	5397119.00	334.50	243.90	Yes	0.00	0.00
1945-7	282757.88	5397116.31	335.00	138.68	Yes	25.00	-45.00
DUV-87-24	283079.03	5397100.81	335.00	158.19	Yes	120.00	-48.00
1946-36	281112.29	5397095.26	304.64	181.97		210.00	-45.00
DUV-86-04	282666.89	5397088.35	335.00	214.90	Yes	30.00	-50.00
1946-105	281101.00	5397079.00	304.62	155.75		30.00	-50.00
DUV-87-05	282822.83	5397073.74	335.00	249.90	Yes	30.00	-50.00
DUV-87-04	282892.76	5397034.60	335.00	310.90	Yes	30.00	-50.00
DUV-87-29	283002.57	5397031.71	335.00	202.10	Yes	30.00	-50.00
T-105	282936.00	5397031.00	335.00	1.00		0.00	-90.00
DUV-87-02	282975.58	5396973.08	335.00	308.15	Yes	30.00	-50.00
DAL-01-02-01	277841.00	5396957.00	300.98	225.00		360.00	-50.00
DUV-87-03	283044.96	5396918.38	335.00	188.98	Yes	30.00	-50.00
DUV-87-36	283395.58	5396895.94	335.00	197.20	Yes	300.00	-50.00
1946-38	280981.21	5396886.95	304.37	137.16		210.00	-45.00
DUV-87-01	283117.86	5396882.99	335.00	293.20	Yes	30.00	-50.00
1946-37	280970.90	5396871.08	304.35	189.43		30.00	-45.00
1946-29	282798.92	5396838.79	335.00	99.06	Yes	200.00	-45.00
1946-32	282704.40	5396812.20	335.00	142.04	Yes	210.00	-45.00
1946-31	282732.97	5396811.27	335.00	213.97	Yes	135.00	-45.00
1946-28A-E	282805.00	5396810.00	335.00	147.22		202.00	-45.00
1946-28A-W	282791.00	5396810.00	335.00	149.35		203.00	-45.00
1946-28A	282798.00	5396809.00	335.00	205.74		200.00	-45.00
1946-33	282792.31	5396791.03	335.00	87.17	Yes	237.00	-60.00
1946-30	282779.47	5396790.50	335.00	103.02	Yes	210.00	-65.00
79-DU-BE-2	284738.00	5396703.00	320.00	166.42		360.00	-55.00
1946-34	282735.59	5396683.88	332.27	181.66	Yes	205.00	-45.00
1946-35	282653.22	5396445.76	326.58	176.17	Yes	35.00	-45.00
CO-87-10	284066.06	5396167.89	325.44	346.25	Yes	30.00	-50.00
CO-87-09	283965.85	5396011.51	325.60	303.60	Yes	30.00	-50.00
CO-87-22	284135.94	5395742.84	325.49	307.20	Yes	30.00	-52.00
CO-87-12	284616.04	5395688.24	329.88	365.80		30.00	-50.00
CO-87-11	284539.17	5395550.55	330.86	340.20		30.00	-50.00
CO-87-14	285443.65	5395207.04	335.00	303.35		210.00	-50.00
CO-87-13	285337.82	5395011.87	335.00	321.90		210.00	-60.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
CO-8	281523.65	5394928.53	307.37	215.00		38.00	-48.00
79-DU-BE-5	291238.00	5394809.00	334.53	175.86		360.00	-50.00
CR-062	283156.02	5393796.86	335.00	261.52		210.20	-50.00
CR-061	283095.70	5393721.47	342.30	134.42		230.10	-50.00
CR-056	283100.94	5393585.26	347.59	154.84		219.30	-50.00
79-DU-BE-4	282882.26	5393579.91	351.00	90.52		360.00	-50.00
CR-058	283166.87	5393520.53	348.67	237.13		230.00	-50.00
CR-027	282279.02	5393520.34	337.35	261.52		49.80	-50.00
LG-1	281884.26	5393519.91	324.68	61.00		250.00	-60.00
79-DU-BE-3	282881.26	5393453.91	351.00	99.66		360.00	-50.00
CR-041	282535.19	5393407.18	338.11	133.50		227.20	-50.00
CR-035	282524.98	5393397.39	340.01	191.11		52.00	-50.00
CR-042	282272.15	5393367.44	351.00	228.60		51.40	-45.00
CR-026	282202.65	5393345.20	341.36	287.12		55.70	-50.00
CR-057	283347.29	5393339.70	351.00	188.37		230.00	-50.00
CR-005	282149.30	5393333.53	332.71	199.64		2.50	-49.00
CR-036	282639.78	5393319.44	335.00	215.80		45.50	-50.00
CR-025	282327.99	5393296.85	351.00	264.26		51.40	-50.00
CR-040	282552.68	5393234.88	338.06	134.11		53.20	-50.00
CR-039	282454.87	5393197.03	347.99	194.46		51.80	-50.00
CR-015	282453.88	5393190.63	346.93	169.77		0.00	-45.00
CR-014	282263.93	5393188.21	332.11	175.56		357.20	-45.00
CR-024	282341.49	5393134.71	333.32	334.67		56.70	-50.00
F-64	284523.12	5393092.08	341.52	227.38		180.00	-45.00
LG-3	282199.26	5393055.91	326.10	153.00		360.00	-45.00
CR-023	282504.56	5393048.35	334.63	183.09		46.40	-50.00
JB-114	284137.83	5393041.74	351.00	108.81		34.00	-50.00
LG-2	282114.26	5393020.91	321.77	153.30		360.00	-45.00
LG-4	281569.26	5393003.91	309.92	152.40		360.00	-45.00
CR-003	283090.33	5392999.11	351.00	208.48		3.50	-50.00
CR-053	283092.19	5392994.53	351.00	230.73		217.20	-50.00
JB-113	284237.37	5392971.85	349.02	213.06		29.00	-50.00
CR-043	282481.26	5392949.79	331.67	188.37		46.60	-50.00
JB-144	284192.41	5392908.76	349.97	546.81		124.00	-50.00
F-47	284344.93	5392906.54	344.09	135.64		140.00	-55.00
CR-007	282608.66	5392904.35	332.32	188.37		3.00	-50.00
F-50	284340.44	5392903.75	344.23	142.34		335.00	-55.00
F-45	284343.18	5392903.60	344.12	252.07		42.00	-45.00
F-79	285122.61	5392903.13	335.00	169.47		53.00	-45.00
CO-87-21	286573.88	5392900.38	335.00	306.60		30.00	-50.00
CR-022	282498.17	5392886.16	330.80	300.84		56.30	-50.00
CR-018	282250.32	5392886.14	324.70	153.31		0.00	-45.00
JB-029	284395.46	5392882.71	341.85	169.47		31.00	-48.00
JB-139	284530.43	5392869.28	336.47	380.70		109.00	-52.00



HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
F-41	284411.64	5392857.30	340.91	230.58		42.00	-45.00
F-43	284408.96	5392854.97	340.99	122.93		113.00	-45.00
JB-028	284411.04	5392829.95	340.60	196.90		37.00	-50.00
JB-138	284204.52	5392826.35	347.34	466.04		127.00	-50.00
F-60	284497.55	5392813.16	337.05	120.79		153.00	-45.00
JB-011	284550.55	5392792.62	335.00	136.86		228.00	-52.00
F-58	284477.48	5392792.02	337.57	148.59		131.00	-45.00
CR-021	282635.85	5392791.72	330.03	194.46		52.10	-50.00
JB-016	284437.50	5392789.84	339.08	178.61		29.00	-51.00
F-69	284935.01	5392776.06	335.00	96.32		233.00	-45.00
F-34	284460.24	5392762.05	337.77	202.69		44.00	-55.00
F-35	284460.37	5392759.35	337.72	92.28		115.00	-52.00
JB-141	284235.31	5392758.25	344.30	395.63		110.00	-50.00
F-74	284909.06	5392757.58	335.00	272.80		53.00	-45.00
JB-135	284146.55	5392748.54	346.79	533.10		119.00	-50.00
CR-052	283315.59	5392743.89	343.46	182.27		222.60	-50.00
F-38	284669.55	5392733.09	335.00	229.64		180.00	-48.00
JB-014	284448.18	5392729.07	337.51	181.66		37.00	-51.00
JB-012	284693.35	5392726.10	335.00	212.14		201.00	-52.00
JB-142	284197.69	5392714.85	344.85	377.65		120.00	-50.00
JB-097	284528.19	5392708.96	335.00	276.15		40.00	-50.00
FT-13-19	284016.00	5392706.00	348.57	195.00		125.00	-45.00
JB-202	284527.06	5392689.52	335.00	265.00		260.00	-75.00
JB-134	284181.66	5392687.46	344.77	225.25		212.00	-51.00
JB-030	284489.92	5392686.32	335.67	131.67		35.00	-46.00
CR-054	283133.02	5392686.05	334.93	224.33		221.40	-50.00
JB-098	284547.23	5392681.17	335.00	187.76		34.00	-50.00
JB-057	284480.77	5392671.66	336.13	225.86		33.00	-59.00
JB-058	284453.65	5392670.94	337.27	299.92		24.00	-59.00
JB-094	284574.82	5392666.84	335.00	265.79		31.00	-50.00
JB-010	284507.87	5392659.21	335.33	487.68		35.00	-52.00
JB-115	284274.94	5392651.13	341.68	231.65		128.00	-51.00
JB-133	284229.94	5392648.39	342.80	237.44		214.00	-51.00
F-52	284592.19	5392647.88	335.00	130.15		90.00	-45.00
JB-184	283668.34	5392647.23	342.51	243.23		208.00	-50.00
F-82	284519.17	5392646.07	335.20	166.83		259.00	-45.00
F-30	284523.40	5392645.59	335.04	178.31		35.00	-50.00
F-32	284521.42	5392645.01	335.14	182.88		296.00	-50.00
JB-188	283713.96	5392641.16	342.13	244.45		215.00	-50.00
F-31	284587.22	5392634.44	335.00	117.65		30.00	-45.00
F-55	284574.90	5392633.94	335.00	81.99		91.00	-45.00
JB-015	284487.24	5392633.53	335.84	199.95		43.00	-50.00
JB-009	284542.99	5392630.38	335.00	197.51		35.00	-54.00
JB-125	284044.66	5392628.65	347.26	503.71		125.00	-50.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
JB-093	284617.76	5392626.23	335.00	273.41		27.00	-50.00
CO-87-04	285538.23	5392622.94	335.00	273.10		225.00	-50.00
JB-143	284184.03	5392618.05	343.44	307.24		128.00	-50.00
JB-052	284532.43	5392617.62	335.00	215.34		35.00	-58.00
JB-161	284188.45	5392617.60	343.32	188.37		42.00	-50.00
JB-008	284570.81	5392615.25	335.56	117.65		35.00	-53.00
F-80	284362.94	5392613.32	338.70	104.55		116.00	-45.00
JB-056	284469.54	5392609.94	335.87	297.48		31.00	-56.00
JB-111	284332.36	5392609.66	339.43	135.94		112.00	-50.00
JB-190	283802.40	5392607.25	342.23	326.00		215.00	-50.00
JB-187	283705.60	5392605.59	340.71	291.00		215.00	-50.00
JB-032	283511.97	5392597.99	338.54	163.07		355.00	-48.00
F-25	284340.94	5392597.84	338.99	79.55		116.00	-45.00
F-33	284656.06	5392594.85	335.00	155.60		35.00	-45.00
JB-091	284670.30	5392594.07	335.00	236.83		31.00	-50.00
FT-13-18	284145.00	5392592.00	343.98	393.00		125.00	-45.00
JB-053	284504.70	5392589.40	335.00	270.05		18.00	-58.00
JB-006	284587.38	5392587.91	336.60	190.80		35.00	-50.00
JB-183	283730.93	5392584.33	340.22	177.70		212.00	-50.00
JB-118	284322.81	5392581.06	339.16	172.52		120.00	-50.00
F-27	284579.45	5392577.35	336.57	153.01		35.00	-45.00
JB-007	284612.46	5392570.19	337.54	157.28		35.00	-50.00
JB-189	283772.82	5392568.95	340.74	300.00		215.00	-50.00
CR-002	282830.28	5392565.76	327.76	142.34		0.00	-50.00
JB-212	284328.73	5392565.57	338.72	325.04		155.00	-59.00
JB-005	284283.43	5392564.35	339.88	184.71		118.00	-54.00
JB-191	283858.54	5392556.25	343.33	285.00		215.00	-50.00
JB-112	284525.13	5392556.06	335.48	264.26		33.00	-50.00
JB-199	284094.76	5392555.32	344.62	766.27		0.00	-90.00
JB-099	284217.69	5392552.53	341.37	169.47		51.00	-50.00
JB-013	284651.57	5392548.92	338.50	131.67		35.00	-50.00
CR-051	283190.92	5392545.65	332.71	279.81		51.50	-50.00
F-10	284321.08	5392544.51	338.54	78.87		117.00	-45.00
JB-078	284861.73	5392543.83	335.00	230.43		215.00	-54.00
CR-050	283187.16	5392543.13	332.61	255.42		230.00	-50.00
JB-088	284706.34	5392542.60	336.54	274.32		35.00	-50.00
JB-117	284556.00	5392542.30	336.55	270.36		32.00	-50.00
JB-116	284611.89	5392541.93	338.06	99.67		296.00	-50.00
JB-103	284276.11	5392540.57	339.63	178.61		120.00	-45.00
JB-146	283955.75	5392537.92	344.46	531.57		115.00	-50.00
JB-211	284260.21	5392536.37	339.97	393.00		118.00	-59.00
JB-076	284815.48	5392535.72	335.00	249.94		215.00	-50.00
FT-13-06	284535.00	5392534.00	336.13	321.00		35.00	-45.00
JB-054	284586.88	5392531.72	337.56	231.65		35.00	-56.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
JB-019	284636.73	5392528.58	338.96	157.28		33.00	-50.00
JB-152	284068.01	5392527.53	344.81	403.56		116.00	-50.00
JB-177	284059.96	5392525.85	344.99	261.52		15.00	-50.00
JB-109	284195.53	5392524.55	341.44	285.29		120.00	-51.00
JB-182	283811.20	5392522.73	341.33	232.87		216.00	-50.00
JB-168	284204.34	5392520.36	341.13	136.55		30.00	-50.00
JB-055	284630.43	5392519.28	338.95	270.05		38.00	-59.00
JB-004	284252.08	5392518.53	339.86	181.66		121.00	-50.00
JB-017	284683.00	5392518.39	339.84	121.13		33.00	-50.00
F-09	284308.84	5392517.14	338.36	86.87		119.00	-45.00
F-22	284646.70	5392514.48	339.47	273.16		35.00	-50.00
JB-066	284756.27	5392510.61	336.38	227.38		35.00	-56.00
JB-153	284168.58	5392506.93	341.82	234.09		122.00	-50.00
JB-169	284243.29	5392506.37	339.86	84.43		39.00	-50.00
JB-051	284524.46	5392505.13	336.35	402.64		35.00	-51.00
JB-085	284715.54	5392503.22	339.86	220.07		38.00	-50.00
JB-167	284166.15	5392503.01	341.81	99.97		230.00	-50.00
JB-192	283912.83	5392502.85	343.60	321.00		215.00	-50.00
F-26	284263.55	5392499.90	339.22	51.36		58.00	-45.00
F-28	284263.55	5392499.90	339.22	36.27		21.00	-45.00
FT-13-16	284275.00	5392498.00	338.89	303.00		125.00	-45.00
JB-087	284677.18	5392497.62	340.62	309.98		29.00	-57.00
JB-027	284872.17	5392494.26	335.00	163.37		218.00	-50.00
JB-119	284285.80	5392493.34	338.52	135.94		124.00	-50.00
JB-102	284134.32	5392491.75	342.43	193.24		54.00	-50.00
F-08	284292.39	5392490.36	338.30	93.57		116.00	-45.00
JB-203	283998.54	5392490.15	343.95	309.68		215.00	-50.00
JB-059	284659.40	5392488.34	340.27	206.04		35.00	-59.00
JB-213	284199.24	5392486.62	340.65	288.34		91.00	-50.00
JB-074	284853.60	5392483.74	335.00	656.23		215.00	-52.00
JB-136	283328.41	5392482.94	332.45	132.28		183.00	-50.00
JB-083	284737.86	5392482.21	340.45	123.75		33.00	-53.00
JB-068	284890.42	5392481.59	335.00	190.80		215.00	-53.00
JB-200B	284289.69	5392479.85	338.17	254.51		61.00	-63.00
JB-018	284704.65	5392477.25	341.63	129.84		38.00	-50.00
JB-003	284234.10	5392475.54	339.54	162.15		100.00	-50.00
JB-132	284360.72	5392472.91	336.20	550.77		34.00	-50.00
JB-082	284763.09	5392467.88	340.19	160.32		36.00	-53.00
JB-210	284333.04	5392465.58	336.79	375.00		308.00	-76.00
F-07	284277.55	5392465.08	338.22	222.56		116.00	-45.00
F-81	284277.55	5392465.08	338.22	222.49		116.00	-45.00
JB-026	284906.01	5392462.09	335.00	304.80		215.00	-50.00
JB-070	284872.67	5392460.15	335.00	142.04		215.00	-50.00
F-23	284300.34	5392456.13	337.47	55.98		24.00	-45.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
F-24	284301.70	5392455.74	337.42	63.40		56.00	-45.00
JB-221	284385.78	5392454.72	335.22	272.80		305.00	-60.00
JB-020	284727.38	5392452.19	342.73	132.89		27.00	-52.00
JB-104	284121.99	5392451.57	342.02	297.48		122.00	-50.00
JB-193	283967.11	5392449.46	342.77	300.00		215.00	-50.00
JB-031	283505.91	5392447.90	334.18	279.20		0.00	-47.00
JB-123	284304.09	5392444.94	337.16	108.51		123.00	-50.00
FT-13-07	284015.00	5392443.00	343.16	300.00		35.00	-45.00
JB-062	284703.57	5392440.70	342.29	220.68		35.00	-59.00
JB-002	284203.30	5392440.63	339.71	169.47		120.00	-50.00
JB-036	284225.66	5392438.76	339.09	111.56		3.00	-45.00
JB-216	284379.52	5392437.74	335.07	242.62		301.00	-60.00
JB-217	284379.52	5392437.74	335.07	248.72		299.00	-65.00
F-06	284263.96	5392437.31	338.07	71.54		117.00	-45.00
F-21	284721.63	5392436.36	342.85	141.73		37.00	-45.00
JB-037	284225.53	5392436.12	339.05	136.55		185.00	-48.00
JB-072	284882.95	5392436.08	335.30	129.84		215.00	-52.00
JB-075	284912.19	5392433.67	335.00	158.50		213.00	-50.00
JB-107	284162.44	5392433.48	340.64	273.10		49.00	-50.00
JB-178	284166.80	5392432.14	340.50	288.04		40.00	-50.00
JB-069	284961.76	5392430.16	335.00	203.00		215.00	-50.00
JB-124	284427.65	5392429.13	335.06	695.25		37.00	-51.00
JB-061	283473.12	5392428.85	333.40	196.90		211.00	-50.00
JB-170	284369.72	5392427.04	335.13	77.66		7.00	-50.00
FT-13-08	284435.00	5392427.00	335.30	477.00		35.00	-45.00
FT-13-11	284433.00	5392427.00	335.25	357.00		270.00	-50.00
JB-214	284202.83	5392426.97	339.47	266.70		49.00	-50.00
JB-200	284224.34	5392426.65	338.91	486.46		43.00	-50.00
JB-181	284161.36	5392425.94	340.53	217.63		209.00	-50.00
JB-021	284769.06	5392425.59	343.92	151.18		35.00	-50.00
JB-025	284939.84	5392425.09	335.00	147.52		217.00	-52.00
JB-154	284100.81	5392423.83	342.07	245.67		118.00	-50.00
JB-215	284183.49	5392423.22	339.91	315.47		47.00	-46.00
JB-218	284362.30	5392419.36	335.18	276.45		305.00	-60.00
JB-176	283929.19	5392418.49	341.72	181.66		216.00	-50.00
F-29	284249.35	5392414.63	338.04	106.68		27.00	-45.00
F-05	284248.15	5392412.04	338.02	61.26		116.00	-45.00
JB-219	284337.40	5392411.85	335.70	267.31		305.00	-60.00
JB-164	283997.01	5392411.10	342.31	254.51		226.00	-50.00
JB-151	283997.01	5392411.10	342.31	416.66		119.00	-50.00
CR-019	282890.98	5392409.12	326.47	206.65		53.50	-50.00
JB-147	283875.71	5392408.99	341.02	471.22		128.00	-50.00
JB-050	284545.35	5392407.97	338.60	358.44		33.00	-54.00
JB-024	284974.15	5392407.11	335.00	157.28		207.00	-50.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
JB-071	284959.00	5392405.06	335.00	133.20		215.00	-50.00
JB-001	284181.70	5392404.40	339.61	142.04		114.00	-50.00
JB-195	284026.95	5392403.24	342.48	357.00		215.00	-50.00
JB-073	284922.43	5392402.77	335.35	135.94		215.00	-52.00
JB-129	284222.24	5392398.32	338.44	124.05		118.00	-50.00
JB-220	284338.39	5392395.81	335.38	294.13		305.00	-60.00
JB-180	283804.80	5392388.95	339.21	196.90		33.00	-50.00
JB-130	284180.27	5392387.00	339.33	142.34		122.00	-50.00
F-01	284810.60	5392380.96	345.67	192.43		89.00	-55.00
JB-160	284060.03	5392379.93	342.33	231.95		211.00	-50.00
JB-060	283544.99	5392378.71	333.54	175.56		214.00	-53.00
JB-077	284963.56	5392375.83	335.45	130.76		215.00	-50.00
F-04	284225.83	5392374.68	337.92	74.29		116.00	-45.00
JB-128	284258.59	5392372.74	337.03	96.62		119.00	-50.00
JB-131	284572.35	5392368.91	340.01	358.75		32.00	-51.00
F-12	283498.94	5392368.07	332.73	53.34		232.00	-55.00
JB-194	283996.45	5392363.75	341.34	477.00		215.00	-50.00
JB-022	285001.98	5392362.11	335.57	157.28		220.00	-52.00
JB-196	284084.93	5392354.64	341.22	297.00		215.00	-50.00
JB-064	285015.91	5392347.76	337.20	224.33		35.00	-51.00
F-11	284210.99	5392347.74	337.82	76.10		121.00	-45.00
F-48	284149.79	5392346.57	339.39	128.88		118.00	-45.00
F-36	284979.14	5392345.03	339.77	76.81		231.00	-48.00
F-13	283517.68	5392345.02	332.60	47.62		230.00	-45.00
JB-204	283591.56	5392344.71	333.77	175.56		225.00	-50.00
F-37	284980.83	5392343.85	339.87	77.72		199.00	-48.00
JB-127	284241.24	5392340.20	336.89	96.62		123.00	-50.00
JB-023	285041.36	5392330.48	338.79	160.32		218.00	-50.00
FT-13-05	283704.00	5392328.00	335.13	285.00		125.00	-45.00
FT-13-02AB	283913.00	5392327.00	339.67	30.00		35.00	-45.00
FT-13-03	283913.00	5392327.00	339.67	300.00		35.00	-45.00
JB-162	283784.91	5392322.99	337.52	206.04		209.00	-50.00
F-14	283536.16	5392321.04	332.57	52.73		230.00	-45.00
F-02	285048.13	5392320.11	340.39	198.65		269.00	-55.00
F-18	284197.99	5392319.01	337.63	82.04		116.00	-45.00
CO-1167-21	285622.00	5392314.00	335.00	54.86		210.00	-45.00
JB-165	284098.10	5392312.58	340.11	151.18		218.00	-50.00
JB-079	285033.75	5392309.30	342.34	132.59		215.00	-50.00
JB-155	284005.95	5392308.03	340.30	279.20		128.00	-50.00
JB-179	284277.07	5392305.51	335.33	212.14		215.00	-50.00
JB-148	283768.13	5392300.83	336.75	452.93		124.00	-50.00
JB-166	284152.71	5392299.47	338.45	147.83		213.00	-50.00
F-15	283553.88	5392296.77	332.64	43.13		230.00	-45.00
JB-150	283902.32	5392292.64	338.85	321.87		123.00	-50.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
F-19	284184.67	5392292.59	337.50	61.87		118.00	-45.00
JB-084	285085.56	5392291.77	344.68	167.94		207.00	-50.00
JB-080	285028.32	5392284.19	346.82	134.11		220.00	-50.00
JB-158	283911.79	5392283.73	338.77	203.00		213.00	-50.00
JB-122	285041.11	5392279.62	346.71	167.34		36.00	-50.00
FT-13-13	284326.00	5392276.00	335.00	282.00		215.00	-45.00
FT-13-15	284326.00	5392276.00	335.00	276.00		35.00	-45.00
JB-081	285074.39	5392274.90	346.82	158.80		215.00	-50.00
JB-110	285074.39	5392274.90	346.82	206.35		33.00	-50.00
F-16	283572.53	5392272.95	332.71	46.63		230.00	-45.00
JB-067	284825.15	5392272.54	348.49	258.17		35.00	-57.00
JB-121	285072.83	5392271.90	347.17	167.34		27.00	-50.00
F-39	285045.33	5392267.09	348.64	53.00		221.00	-50.00
F-40	285045.33	5392267.09	348.64	49.89		179.00	-45.00
F-20	284171.24	5392266.76	337.37	31.39		108.00	-45.00
JB-086	285103.55	5392257.55	345.99	259.99		214.00	-50.00
FT-13-04P	285097.00	5392257.00	346.52	462.00		42.19	-48.12
JB-163	283932.39	5392251.21	338.33	187.15		218.00	-50.00
F-17	283591.88	5392247.60	332.79	57.35		230.00	-45.00
F-76	284782.89	5392244.35	347.84	75.90		282.00	-45.00
JB-034	283696.34	5392244.23	334.47	135.94		228.00	-50.00
F-42	285087.50	5392242.97	348.32	69.49		223.00	-50.00
JB-089	285123.27	5392242.46	345.70	266.70		218.00	-50.00
JB-092	285164.36	5392242.02	343.24	247.50		217.00	-50.00
F-78	284705.14	5392241.95	345.79	61.87		102.00	-45.00
JB-108	285123.33	5392241.39	345.78	215.49		44.00	-50.00
JB-159	284067.07	5392238.29	339.54	170.38		216.00	-50.00
F-46	285101.91	5392236.99	347.71	61.72		229.00	-55.00
FT-13-17	283830.00	5392236.00	336.73	375.00		125.00	-45.00
JB-049	285205.83	5392228.78	341.24	111.56		38.00	-51.00
F-56	283638.02	5392227.82	333.42	100.58		230.00	-55.00
CR-013	282960.20	5392227.42	323.57	154.23		175.70	-50.00
F-66	284149.58	5392225.69	337.19	75.34		294.00	-45.00
F-49	285126.44	5392225.22	346.81	74.07		223.00	-48.00
JB-157	283783.21	5392224.98	335.58	274.62		34.00	-45.00
F-68	284048.80	5392223.62	339.04	75.90		113.00	-45.00
FT-13-01	285041.00	5392221.00	351.00	291.00		35.00	-45.00
JB-090	285146.76	5392220.29	346.04	304.80		218.00	-50.00
JB-033	283716.10	5392219.60	334.41	160.32		233.00	-50.00
F-61	283788.34	5392218.85	335.56	232.56		230.00	-45.00
CO-1167-22	285636.00	5392216.00	335.00	46.33		330.00	-45.00
JB-185	284216.71	5392215.04	335.25	215.19		217.00	-50.00
JB-120	285140.88	5392214.41	346.88	161.24		30.00	-50.00
JB-046	285224.22	5392208.62	341.76	114.60		35.00	-50.00



HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
JB-039	284663.23	5392207.18	345.27	147.35		142.00	-50.00
F-51	284308.27	5392206.55	335.73	133.81		296.00	-40.00
F-54	284301.95	5392205.72	335.57	162.46		116.00	-45.00
JB-106	285179.98	5392199.74	345.42	217.32		36.00	-51.00
JB-048	285162.71	5392199.63	346.47	151.18		223.00	-53.00
F-63	285251.06	5392197.33	341.24	72.95		270.00	-45.00
JB-156	283903.61	5392196.10	336.88	244.14		131.00	-50.00
JB-045	285250.19	5392192.13	341.73	99.36		40.00	-50.00
JB-095	285160.97	5392189.75	347.47	241.10		208.00	-50.00
JB-096	285197.81	5392182.22	345.71	272.80		207.00	-50.00
FT-13-09	283829.00	5392175.00	335.52	357.00		35.00	-45.00
F-03	285242.55	5392173.73	343.66	215.01		268.00	-55.00
JB-149	283810.18	5392172.59	335.10	328.57		125.00	-50.00
JB-042	285271.28	5392172.09	342.76	135.94		24.00	-50.00
JB-047	285191.14	5392164.64	347.48	154.23		225.00	-54.00
F-44	285209.50	5392164.05	346.09	74.07		93.00	-45.00
F-75	283763.16	5392159.88	334.49	157.89		233.00	-45.00
JB-105	285245.52	5392154.26	345.29	218.54		34.00	-52.00
JB-063	283797.82	5392152.37	334.95	184.71		215.00	-50.00
JB-044	285298.27	5392150.57	342.21	169.47		32.00	-50.00
F-84	283863.45	5392138.08	335.25	156.97		180.00	-45.00
FT-13-14	283962.00	5392138.00	336.33	312.00		125.00	-45.00
JB-043	285226.02	5392136.94	347.55	138.99		226.00	-50.00
F-57	285204.86	5392136.42	348.42	92.35		223.00	-45.00
F-65	283784.06	5392135.46	334.54	155.75		228.00	-45.00
CO-1167-3	286068.00	5392134.00	350.77	193.24		230.00	-45.00
F-77	283821.36	5392133.13	335.00	162.00		233.00	-45.00
F-53	285199.30	5392132.82	349.11	80.57		88.00	-50.00
F-85	283901.63	5392124.83	335.40	137.77		116.00	-45.00
JB-201	284577.32	5392116.17	344.11	559.61		180.00	-50.00
F-70	284033.24	5392110.82	336.55	76.20		293.00	-45.00
JB-101	285252.98	5392110.09	346.86	175.56		221.00	-50.00
CO-1167-15	285851.00	5392106.00	335.00	185.01		180.00	-45.00
JB-222	283933.81	5392104.54	335.33	277.67		180.00	-60.00
JB-035	283827.43	5392103.16	334.86	231.65		230.00	-50.00
JB-186	284103.58	5392099.82	336.09	175.56		210.00	-50.00
FT-13-04	284950.00	5392089.00	351.00	327.50		35.00	-45.00
F-62	285249.25	5392086.06	347.00	44.27		216.00	-48.00
F-59	285247.50	5392085.38	347.16	77.42		267.00	-50.00
JB-100	285283.64	5392082.53	345.29	175.56		202.00	-45.00
JB-126	285164.09	5392082.20	351.00	149.05		82.00	-50.00
CO-1167-6	286071.00	5392073.00	351.00	261.21		230.00	-45.00
CO-1167-19	285629.00	5392062.00	340.61	185.01		30.00	-45.00
FT-13-12	283719.00	5392060.00	332.69	108.00		215.00	-45.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
CO-1167-17	285796.00	5392059.00	335.00	141.12		180.00	-45.00
CO-1167-14	285973.00	5392058.00	335.00	206.35		230.00	-45.00
FT-13-10	283722.00	5392057.00	332.71	297.00		35.00	-45.00
F-73	283911.54	5392031.92	335.00	167.64		235.00	-45.00
F-71	284008.85	5392019.82	335.00	75.59		294.00	-45.00
CO-1167-7	285455.00	5391998.00	346.96	143.26		322.00	-45.00
JB-065	283970.67	5391997.22	335.00	190.80		214.00	-50.00
F-67	283735.77	5391974.31	332.68	214.27		50.00	-45.00
F-86	283776.77	5391947.93	333.48	213.97		180.00	-45.00
F-72	283977.47	5391943.86	335.00	94.49		296.00	-45.00
JB-040	284759.54	5391936.38	347.36	154.23		155.00	-50.00
CO-1167-5	286281.00	5391906.00	354.60	81.08		340.00	-45.00
JB-209	285186.11	5391905.34	351.00	263.96		180.00	-50.00
JB-038	284323.04	5391895.57	338.03	126.80		0.00	-50.00
JB-207	285034.71	5391892.36	351.00	407.21		35.00	-50.00
JB-206	285156.20	5391886.41	351.00	309.68		35.00	-50.00
JB-208	285150.66	5391879.23	351.00	303.00		35.00	-70.00
CO-1167-13	285907.00	5391879.00	341.90	167.03		50.00	-45.00
CO-1167-20	286219.00	5391878.00	354.04	209.40		270.00	-45.00
CO-87-05	286762.59	5391875.39	363.24	270.10		210.00	-47.00
CO-1167-4	286246.00	5391870.00	355.01	90.83		340.00	-45.00
F-87	283768.58	5391769.79	333.81	214.58		180.00	-45.00
CO-87-03	285772.67	5391755.48	349.04	361.50		210.00	-50.00
JB-205	285048.23	5391736.72	347.84	510.84		35.00	-50.00
JB-041	285265.78	5391701.10	347.18	160.32		32.00	-50.00
CO-1167-1	286055.00	5391698.00	353.14	153.62		270.00	-45.00
CO-1167-2	286211.00	5391566.00	356.19	156.97		270.00	-45.00
CR-063	282311.46	5391401.43	319.44	222.38		37.20	-50.00
CO-87-17	280594.16	5391326.34	305.00	345.34		230.00	-50.00
CO-88-30	289420.62	5391290.07	341.34	303.90		360.00	-50.00
CO-87-19	286685.50	5391195.71	352.22	291.40		210.00	-50.00
CO-87-02	286994.92	5391127.36	351.00	492.60		195.00	-50.00
CR-060	282289.98	5390940.42	319.88	131.06		353.90	-50.00
CO-1167-12	286120.00	5390822.00	344.79	136.55		270.00	-45.00
CR-059	282283.06	5390767.57	319.99	235.00		45.80	-50.00
CO-88-27	283719.35	5390691.32	330.25	306.90		70.00	-50.00
CO-88-29	288536.62	5390393.64	350.25	191.10		360.00	-45.00
CO-88-24	282654.06	5390238.19	320.00	166.70		213.00	-50.00
CO-88-25	282424.17	5390175.53	331.49	297.10		30.00	-50.00
DUV-04-02-01	284310.26	5390166.91	335.00	200.00		195.00	-50.00
CO-88-26	283091.89	5390164.43	326.25	278.30		210.00	-50.00
CO-88-32	283260.37	5389800.34	338.27	294.70		28.00	-50.00
CO-88-37	280156.87	5389729.29	317.22	280.10		360.00	-50.00
DAL-02-02-02	276316.00	5389719.00	315.75	200.00		65.00	-50.00

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	DUVAY	AZIMUTH	DIP
DAL-02-02-01	275609.00	5389658.00	311.35	200.00		20.00	-50.00
CO-88-31	283580.18	5389596.75	335.00	289.20		30.00	-50.00
CO-88-28	284805.76	5389120.27	335.00	293.50		30.00	-50.00
DAL-02-02-03	276148.00	5388831.00	320.00	200.00		65.00	-50.00
CO-88-33	282437.35	5388707.08	373.23	300.80		45.00	-50.00
CO-88-34	283165.75	5387653.74	335.98	182.00		45.00	-50.00
CO-88-35	283170.03	5387388.06	335.00	182.90		45.00	-50.00
CO-87-23	281797.49	5387328.38	335.00	309.70		200.00	-50.00
CO-88-36	280907.35	5386383.05	335.00	291.70		203.00	-50.00
D1-1	279832.69	5385565.16	322.15	136.40		331.00	-50.00
D1-4	279788.58	5385493.91	321.78	158.80		318.00	-50.00
D1-2	279677.23	5385196.47	320.00	105.20		360.00	-50.00
D1-3	279433.26	5385072.87	320.00	106.40		360.00	-50.00
FIG-11-02-01	276600.00	5380821.00	320.00	225.50		210.00	-50.00
FIG-102-02-02	273856.00	5380257.00	320.00	175.00		15.00	-50.00
FIG-102-02-01	273991.00	5379917.00	320.00	176.00		15.00	-50.00
LAN-04-02-01	280220.00	5378962.00	316.42	176.00		170.00	-50.00
LAN-07-02-01	289592.00	5377910.00	331.60	252.00		180.00	-55.00
FIG-202-02-01	271555.00	5376333.00	300.00	200.00		180.00	-45.00
FIG-09-02-01	277186.00	5375890.00	300.00	200.00		180.00	-55.00
BAR-15-02-01	309737.00	5373158.00	300.00	200.00		210.00	-50.00
FIG-02-02-01	271763.00	5373148.00	300.00	177.00		200.00	-50.00
BAR-07-02-02	307173.00	5368955.00	300.00	152.00		180.00	-50.00
BAR-07-02-01	306951.00	5368648.00	300.00	200.00		180.00	-55.00
BAR-06-02-01	296816.00	5367853.00	300.00	201.00		208.00	-55.00
SL-1	296816.00	5367853.00	300.00	99.10		205.00	-45.00
BAR-06-02-02	296916.00	5367845.00	300.00	195.00		180.00	-55.00

## **11 SAMPLE PREPARATION, ANALYSES AND SECURITY**

Sample preparation, analyses and security steps are described below for the 2011 pit sample and drill programs conducted by Tres-Or Resources Ltd. on the Property.

### ***Tres-Or 2011 drill program sample preparation analyses and security***

Core was logged on site in a pre-fab, secured structure constructed for the purpose by Sementiou under contract to Tres-Or. Logging includes rock type identification, specific noting of quartz veins (usually > 2 cm), and measurement of magnetic susceptibility and conductivity. Core was then sawn into two halves, with one half sampled and bagged at 1 m intervals throughout each hole. The other half was stored in core racks in the pre-fab structure on site.

Drill core photos were taken during logging at Tres-Or's on site logging facility. Technicians laid the core on tables, with as many as five boxes photographed per table. The core was wetted before taking the photos. The core intervals and box numbers are displayed in each photo. All photos are presented in Appendix 1 of Cookenboo and Duffett, 2012).

Analytical results from the first 13 hole drill program totaling 1234.5 m were completed by Activation Laboratories LTD (Actlabs), an independent ISO1EC 17025 rated laboratory in Ancaster, Ontario. Analyses included multi-element ICP-MS and fire assay for gold for each sample. Fire assay was finished gravimetrically for >3.0 grams per tonne (g/t) Au.

### ***Tres-Or's 2011 pit sample preparation analyses and security***

Samples were prepared by multi-stage crushing and screening for on-site concentration to produce a heavy mineral concentrate (HMC). The sample was crushed repeatedly as required until the entire sample passed through a 0.850 square mesh (20 mesh) automated screen. The -20 mesh material was bagged, with each bag weighed before delivery to the concentrating tables. Sample weights are crushed material which is dry to the touch, but have not been oven dried.

The weighed bags are delivered to the tabling room for production of the HMC. There the bags are mixed with water and fed to the shaking tables. The shaking tables are of the wave type, which produce a visually clean sulphide concentrate. Details of the tabling routine is provided in Table 12. Each days' production of concentrate is dried in an oven at 105°C (+/- 5°C) in the plant, and bagged for delivery to Techni-Lab ("Techni-Labs") Abitibi Inc. in Ste Germaine-Boulé, Quebec, [ISO/IEC 17025 \(CCN Lab 707\)](#), [MDDEP \(Lab 375\)](#) a division of Activation Laboratories Inc. ("Actlabs") based in Ancaster, Ontario. Techni-Labs determined dry weights after again heating in an oven at 105°C for 24 hours. Dry weights are confirmed by comparison to the concentrate weight recorded at the plant before delivery to insure the integrity of the chain of custody. Each day's table production (usually about 10 to 15 days per pit sample) is then analyzed by fire assay twice. The fire assay procedure begins with the sample being powdered in a ring crusher, and then the 2 fire assays from each day's production were run from different half-splits after 3 passes through the splitter.

Table 12: processing procedures

<u>Table Processing Procedures:</u>
Bags delivered to screw feeder and loaded into hopper
Screw runs at "5.50" setting to feed ~165 kgs per hour
Entire -20 mesh sample passes across two wave shaking tables
Table 1 rejects discarded in storage - 1 bag collected per day
T1 rej bags processed 1 day per week for check
Table 2 concentrate collected and bagged at end of daily run
T2 conc weighed wet
Dry in a low (110 to 120C) and weigh dry next morning
Table 2 rejects (T2 rej) collected in bags during run
T2 rej bags re-passed starting at feeder hopper 1 day per week
Table tops concentrated at end of days run
T <sub>tops</sub> conc collected and analyzed with principle concentrate
Suspended material decanted in two inside tanks (each about 3400 litres)
collect clay settled to bottom (~500 grams) once per day for FA

A 50 gram aliquot of the split sample is then mixed with soda ash (sodium carbonate), borax (sodium borate), litharge (PbO), flour (baking flour used to add carbon as a reductant), silica, and possibly potassium nitrate, with silver (Ag) added as a collector, as described in more detail on Actlabs website ([www.actlabs.com](http://www.actlabs.com)). At the end of the fire assay process, a tiny Ag bead would



be analyzed by atomic absorption for trace gold, while a tiny Au flake would be weighed (gravimetric determination). As expected for coarse gold samples, the multiple fire assays for each pit sample are varied in results, but experience shows the variability is within an acceptable range (see 'Exploration' heading earlier) and thus suitable for characterizing the gold content of each mini-bulk sample in the opinion of the authors.

The author believes that the sample preparation, analytical procedures and security were effective, appropriate and sufficient for the early stage of the Duvay project.

## **12 DATA VERIFICATION**

All quantitative sample analyses have been submitted to independent ISO1EC 17025 rated laboratories. Each of those laboratories has internal protocols for running duplicates and standards, as described earlier under the “Sample Preparation and Security” heading. Data is reviewed upon receipt from the laboratories and again during preparation of this report. This review includes verification that values from the duplicates and standards are consistent.

### ***Tres-Or 2011 drill program***

Verifying results from an occurrence characterized by coarse gold (“nugget”) is challenging. One sample from a site may encounter such a nugget and yield high values, while the next sample misses the nugget and is much lower. Particular steps taken by Tres-Or in the field however help substantiate and verify the most important sample results.

For drill core, the most gold-enriched sample interval yielded 83.139 g/t Au over 1.0 m between 50.0 and 51.0 m from the vertical drill hole DV012-11. The reference half of the drill core from this interval was checked by the author and included a 0.50 m white quartz vein in which visible gold was observed. In the opinion of the author, the presence of visible gold in the reference half of the most enriched drill core interval is strong verification of the drilling results.

### ***Tres-Or 2011 pit sample program***

For the pit samples, the most gold-enriched sample is DVP-002, which includes the fault breccia of a prominent northeast fault, and yielded 0.77 g/t Au. Most of

this gold comes from concentrates which were strongly enriched with fire assay values between 166.20 and 610.73 g/t Au (average of 22 fire assays is 369.43 g/t Au). Observation of the concentrate for this sample under a binocular microscope led to identification of several grains of visible gold. DVP-002 also returned notably enriched sludge and reject samples (average 0.29 g/t Au). In comparison, sludge and reject sample from the other less enriched pits returned between 0.04 and 0.07 g/t Au. The authors believe that the occurrence of visible gold in concentrates from DVP-002, combined with the elevated gold enrichment of sludge and rejects, provides verification of the sample value.

The author is of the opinion that the most significant data has been verified adequately for the purposes of this report, specifically in supporting the recommendations for further work.

### 13 MINERAL PROCESSING AND METALLURGICAL TESTING

In 1946, Duvay Gold Mines Limited shipped a 1,054 pound (479 kg) sample from Duvay to Ore Dressing and Metallurgy Laboratories in Ottawa under a covering letter from L.B. Almond, resident engineer for the company. The sample was presumed at the laboratory to be representative of mineralization but not its continuity. No reporting on this sample by Duvay Gold Mines is known to the author, and thus it remains unknown the degree to which this sample is representative of Duvay mineralization, nor where and how it was collected. The laboratory started by reducing all the sample to -20 mesh (<0.85 mm) and assayed one head sample, returning the values below (Table 13):

Table 13: Assay results from Duvay 1946 metallurgy sample (GM14444).

	<u>Listed</u>	<u>Converted</u>
Gold	1.01 oz/ton	34.63 g/tonne Au
Silver	0.31 oz/ton	10.63 g/tonne Ag
Copper	0.05 %	
Lead	0.025 %	
Zinc	0.3 %	
Iron	6.31 %	
Sulfur	0.33 %	
Arsenic	None. %	
Insoluble	62.66 %	

The gold was coarse with 87.5% recovered from +200 mesh (>0.075 mm), occurring largely as free grains in gangue (mostly white quartz and fine carbonate), and a minor portion of the gold is associated with sulphides (mostly chalcopyrite and sphalerite). Given the high value of gold in this sample, it

seems likely that some concentration or selection occurred prior to shipment from the Duvay site, although that remains unknown.

The laboratory tested four treatments: amalgamation, concentration, flotation, and cyanidation. No single method yielded a tailing sufficiently low in gold to be discarded as waste, which the report authors describe as “not unexpected” due to the nature of the gold distribution and high value of the test material. The laboratory reported on 16 runs using different combinations of procedures. Straight cyanidation tended to yield coarse gold in the tailings. Flotation returned good separation, but not complete given the high starting value. A combination of procedures would be recommended.

Given the vintage of this metallurgy report and the lack of any information regarding sampling methods in the field, this information must be regarded as preliminary at best and cannot be used confidently in planning further field work.

## 14 MINERAL RESOURCES ESTIMATES

No mineral resource or reserves have been estimated for the Duvay-Chenier Property to the standards of Canadian National Instrument 43-101. Incomplete references to grade and tonnages appear in various publications, but no detailed supporting reports are available. The limited references are insufficient to depend on for mineral resource or reserve estimates, but are noted below because of their availability.

The Northern Miner (1990) reports that their staff visited the Duvay site in early September after Société Minière Sphinx had completed its first gold pour from 40,000 tons on the heap-leach pad, resulting in a doré bar of 300 oz gold and 200 oz silver (9.33 kgs Au, and 6.22 kgs Ag). The crushed material being heap-leached was excavated from the Duvay Zone de la Fosse, and piled onto the Duvay Zone Principal. Company President Michel David said in The Northern Miner article that based on Sphinx's drilling and bulk sample campaigns between 1986 and 1989, an average grade is 0.06 to 0.07 oz. gold per ton (2.05 to 2.40 g/t Au), with some areas in the 0.1 oz. to 0.2 oz. range (3.43 to 6.86 g/t Au). The same article notes that Sphinx planned to load 450,000 tons (500,000 metric tonnes) onto a new pad in 1991. However, operations stopped before that occurred. The Canadian Mines Handbook for 1995-1996, and several years thereafter, reported "Mar. 1991: drill-indic. res 6,657,187 tons aver[age] 0.06 opt gold." for Duvay (7.3 million metric tonnes at 2.05 g/t Au). No technical reports are available to support the above grades or tonnages, nor is there any specificity in the available publications regarding extent of mineralization to which the



numbers might apply, nor any consideration of continuity. The author speculates that the asserted grades were likely based on bulk sample results because those results are consistently 2 to 10 times higher than drill results, according to Gautier (1988). The author does not believe the reported grades and tonnages should be depended on as reliable, and does consider them relevant to his recommendations for future evaluation of gold mineralization in the Duvay area.

No qualified person has done sufficient work to classify the historical estimate as current mineral resources or mineral reserves, and Secova is not treating the historical estimate as current mineral resources or mineral reserves.

**ITEMS 15 TO 22 – NOT APPLICABLE**

Items 15 through 22 are not addressed in this report because the Duvay-Chenier Property is an early stage exploration property.

### 23 ADJACENT PROPERTIES:

The Duvay-Chenier Property is adjacent to, and surrounds on all sides, the Fontana Gold Property which comprises 24 mineral titles and covers 900 hectares contiguous to the Duvay-Chenier Property. Like the Duvay-Chenier claims, Fontana is held by Tres-Or Resources Ltd. Secova has a right of first refusal to acquire up to 100% interest in Tres-Or's adjacent Fontana Property, on terms to be negotiated in good faith by both parties. Secova holds no interest in the Fontana Property until and unless such an agreement is negotiated.

Fontana, like Duvay, was originally discovered in the 1930s, and has been the subject of considerable historical work, including a 92 m shaft, 242 m of underground galleries, 350 drill holes, surface samples and 22,047 tonnes of bulk samples (Table 14), based on compilation of assessment work reports filed with the Quebec government between the 1930s and 1991.

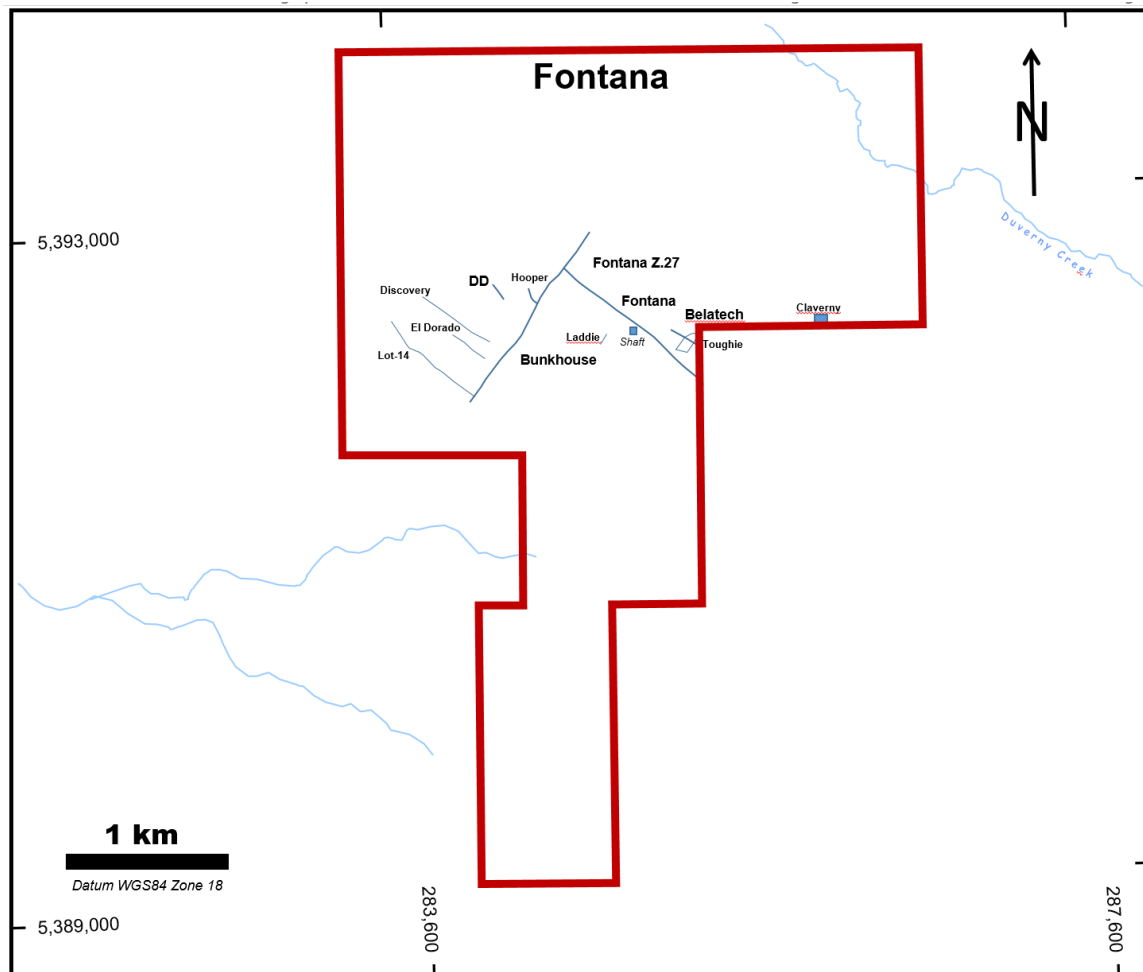
Table 14: Fontana bulk sample results from Crepeau,(1991). Column "tons" is metric tonnes.

	Ton	Oz/ton	Recuperation	Onces	tons	g/t
Fontana-C	100	0.032	97.3	3	91	1.10
Toughie	100	0.015		2	91	0.51
Bunkhouse	72.5	0.126		9	66	4.32
Bunkhouse	46	0.254		12	42	8.71
Bunkhouse	5906	0.067	91.9	396	5358	2.30
Hooper	83	0.159	94.8	13	75	5.45
Hooper	4615	0.118		545	4187	4.05
Hooper-Bunkhouse	8904	0.028	91.4	249	8078	0.96
Hooper-Bunkhouse	4383	0.047		206	3976	1.61
Lot14	92.9	0.136		13	84	4.66
<b>Total</b>	24302			<b>1447</b>	<b>22047</b>	<b>2.04</b>
<b>Total (&gt; 1 000 t)</b>					<b>21598</b>	<b>2.01</b>

In 1991, a historical mineral resource was estimated at Fontana by Jilbey Industries Ltd. and Bay Resources and Services Ltd. This resource was estimated between 5 different zones, all within a few hundred metres of each other (Crepeau, 1991). The reported historical resource is approximately 160,000 ounces at a grade of 5.6 g/t Au (converted from the reported 0.162 oz/ton; Crepeau, 1991). This estimated resource was not made to National Instrument 43-101 standards (preceding NI43-101 standards for technical reports and mineral resource estimates by more than 10 years), and does not use CIM or JORC approved terminology. The reliability of the estimate is unclear due to the age of the drilling and bulk samples on which it based the inability to verify such data at this time. The resource was reported as “reserves”, but lacks the high confidence in continuity, as well as any economic, environmental, production or mine plan considerations inherent to such a term under NI43-101. The historical resource is better thought of as approximating an inferred mineral resource in modern terminology. Neither Tres-Or Resources Ltd. (the issuer that hold rights to Fontana) nor Secova is treating this historical resource as a current mineral resource or reserve, and a qualified person has not done sufficient work to classify this historical estimate as a current mineral resource or reserve. However, the work done by Crepeau (1991) was based on extensive drilling between 1986 and 1989, and more than 20,000 tonnes of bulk samples as reported from Fontana in the late 1990s. The historical resource points to locally strong gold mineralization in a property near Duvay, with some similar mineralization characteristics: coarse gold, high but erratic sample results (both

drill and surface grab and channel samples), association with northeast striking quartz veins and the west-northwest oriented main Fontana fault zone (Fig. 24), which taken together demonstrate that Duvay gold mineralization is not unique in the area.

Figure 24: The Fontana gold showing, surrounded on all sides by the Duvay-Chenier Property



## **24 OTHER RELEVANT DATA AND INFORMATION**

The author knows of no other relevant information needed for the purposes of this report, and believes that this report and its conclusions and recommendations are warranted, based on the information presented herein.



## **25 INTERPRETATION AND CONCLUSIONS**

The Duvay-Chenier Property covers numerous gold showings, where significant results have been recorded over more than 80 years. During that time, many highly enriched drill intersections and surface samples demonstrate strong local gold mineralization, especially at the Duvay Zone Principal and Duvay Zone de la Fosse, where the results point to a coarse (nuggety) size distribution. The author concludes that the Duvay-Chenier Property holds significant potential warranting further exploration and evaluation.

At the Duvay Zone Principal, strong gold mineralization is associated with quartz veins and northeast oriented fault structures that intersect the main Duvay shear. This association is demonstrated in drilling, for example the best intersection from Tres-Or's 2011 drill program of 83.2 g/t Au over 1.0 m (50.0 to 51.0 m vertical hole) is from visible gold within a 0.5 m white quartz vein, and the drill hole (DV-012-11) is located near one the NE faults. The association of strong gold mineralization is also shown by bulk sampling, where for example bulk sample DVP002 (10 tonnes) yielded the highest sample grade (0.77 g/t Au) and the highest concentrate assay values (range from 166.20 g/t Au to 610.73 g/t Au) of any of the 9 bulk samples completed by Tres-Or in 2010, as well as the smallest concentrate (i.e. low sulphide content because sulphide is most of the dense material in each concentrate).

Duvay has also been long noted for its tendency to coarse gold. Ingham from the Quebec Department of Mines (1945, GM08124) said "Many of the veinlets contain visible gold, but the value per ton of this main showing could only be

determined by bulk sampling,....” which Duvay Gold Mines subsequently did, reporting recovery of 7.1 g/t Au from 40 tons (36.2 metric tonnes) in 1946 (GM14444). Sphinx reached a similar conclusion following completion of three large bulk samples yielding and average assay value of 5.67 g/t Au from 3,302 tonnes, with Gautier (1988; GM47569) concluding that the bulk sample results are 2 to 10 times higher than drill chips from percussion drill holes nearby.

In addition to the coarse gold potential at Duvay, there are numerous other showings on the Property that merit examination. For example, the Grenadier showing 2 kms southeast of Duvay, which shows 11 out of 19 grab samples from trenches on a 1938 map (GM61123) yielding 10 g/t Au or greater (up to 177.60 g/t Au) merits at least further prospecting, mapping and surface sampling.

In conclusion, the author is of the opinion that the Property merits additional exploration work. The next phase of work may focus on both drilling to confirm and extend known mineralization. However, bulk samples will likely be required to establish reliable grades, based on the tendency towards coarse gold in the area. Such an anticipated reliance on bulk sampling may add risk to eventually being able to establish resource(s) on the Property due to the expense involved and the difficulty in determining continuity, although the historically reported bulk sample results at Duvay may temper that risk considerably.

## **26 RECOMMENDATIONS**

The author recommends a two phase exploration and evaluation program, with the second phase dependent on the results of the first phase.

### ***Phase 1:***

The first phase (Phase 1) is recommended to focus on Duvay, but to include as well prospecting and exploration of new targets and known showings across the Property. Drilling at Duvay is recommended in the amount of 2500m to confirm the gold association with the NE faults at the Duvay Zone Principal, and to test new chargeability targets from the 3D Power IP survey, especially the chargeability anomaly to the northeast of the main Duvay Shear. An additional 1000 m of drilling is recommended to test new targets, including several magnetic/EM anomalies towards Lake Obalski. A detailed airborne (drone) magnetic survey over exploration targets is recommended to give better structural control, as are some till samples to try and recover gold grains. Further prospecting, mapping, and field inspection is required before selecting the most promising new targets for drilling in Phase 1, which is estimated to require approximately \$800,000 in exploration expenditures (Table 13).

### ***Phase 2: (dependent on the results of Phase 1)***

Assuming the Duvay drilling in Phase 1 confirms and perhaps expands on historical results of highly enriched coarse gold associated with the NE faults, then larger samples are recommended to attempt to confidently define potential grades. Additional follow-up of other targets examined in the Phase 1 program may also be warranted, depending on results of those efforts. The author

anticipates \$2.5 million in expenditures focused on bulk samples at Duvay, but also including exploration efforts at other targets on the Property may be warranted for Phase 2, but the exact form of the tests and magnitude of expenditures will depend on results from Phase 1 (Table 15).

Table 15: Recommended 2 phase expenditures (Phase 2 is dependent on Phase 1).

<b>Recommended Program - Duvay (Phase 1)</b>						
<b>Drilling at Duvay core claims</b>						
10 holes	NE faults (120 m avg.)	1200 m	150 /m	all-in	\$187,500	
4 holes	IP power 3D survey targets	300 m avg. 1200 m	150 /m	all-in	\$187,500	
						<b>\$350,000</b>
<b>Drilling other Duvay - Chenier targets</b>						
Lake Obalski, East Mac, Grenadier etc.		1000	150 /m	all-in	\$150,000	
						<b>\$150,000</b>
<b>Till samples of 6 selected Mag-EM targets by RC</b>						
6 targets at \$5,000 apiece						<b>\$30,000</b>
<b>Detailed drone airborne magnetics survey</b>						
8 postage stamp grids						<b>\$150,000</b>
<b>Prospecting</b>						
Grenadier	stripping, mapping and sampling					\$30,000
Lake Obalski						\$20,000
Others						\$10,000
<b>Phase 1 total:</b>						<b>\$770,000</b>

<b>Recommended Program - Duvay (Phase 2)</b>						
<b>Drilling at Duvay core claims</b>						
30 holes	NE faults (120 m avg.)	3600 m	150 /m	all-in	\$540,000	
10	large diameter drill holes	1500 m	500 /m	all-in	\$750,000	
5	bulk samples	30 tonnes avg	5000 /tonne	all-in	\$750,000	
						<b>\$2,040,000</b>
<b>Drilling other Duvay - Chenier targets</b>						
Lake Obalski, East Mac, Grenadier etc.		1500	150 /m	all-in	\$225,000	
						<b>\$225,000</b>
<b>Ground geophysics - IP, resistivity and magnetics</b>						
12 targets at \$20,000 apiece						<b>\$240,000</b>
<b>Detailed drone airborne magnetics survey</b>						
8 postage stamp grids						<b>\$150,000</b>
<b>Prospecting - continued</b>						
Grenadier	stripping, mapping and sampling					\$60,000
Lake Obalski						\$40,000
Others						\$20,000
<b>Phase 2 total:</b>						<b>\$2,775,000</b>

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## Certificate of Qualified Person

HARRISON COOKENBOO, Ph.D, P.Geo, P.Geol

Effective date: 1st day of July 2017:

As author of this report titled “**TECHNICAL REPORT ON THE DUVAY-CHENIER GOLD PROPERTY FOR SECOVA METALS CORP**” prepared for and on behalf of Secova Metals Corp, I do hereby certify that:

I am a consulting geologist providing my services through:

B.C. 664163 Ltd.  
278 West 5th Street  
North Vancouver, B.C. Canada V7M 1K  
TEL: 1-604-762-5587 Email: hcookenboo@shaw.ca

I graduated with a Bachelor of Science Degree (cum laude) in geology from Duke University (Durham, North Carolina) in 1981, a Master's of Science in geology from the University of British Columbia in 1989, and a Ph.D. in geology from the University of British Columbia in 1994.

I am a member of the British Columbia Association of Professional Engineers and Geologists (APEGBC P.Geo #23483), a member of the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS P.Geo. # 27847), a Licensee of the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG #L1028), and a Licensee of the Ordre de Geologues de Québec (OGQ Spec Auth. #373) as well as a Fellow of the Geological Association of Canada.

I have worked as a geologist for more than 30 years since graduation from Duke University in 1981. From 1981 to 1986, I worked for Cities Service Oil and Gas Corporation (later Occidental Petroleum) as an exploration geologist generating and evaluating hydrocarbon prospects in the Gulf of Mexico. Between 1987 and 1993, I completed my M.Sc. and Ph.D. degrees and worked as a research and teaching assistant at the University of British Columbia. From 1993 to the present, I have worked in mineral exploration, including diamonds, gold, silver, nickel, copper, lithium, potash, graphite, tungsten and the platinum group metals, first for Canamera Geological (later Meridian Geoscience), and since 2002 as an independent consulting geologist. I was appointed a Senior Associate Geologist by Watts, Griffis and McQuat Consulting Geologists and Engineers, Toronto Canada in 2004.

I have read the Canadian National Instrument 43-101 (“NI 43-101”) and the technical report and declare to the best of my knowledge, information and belief that as of the effective date, the technical report contains all scientific and technical information that is required to make the report not misleading.

I certify that by reason of my education, affiliation with appropriate professional associations (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a “Qualified Person” for the evaluation of early stage exploration properties for the purposes of NI 43-101 and this report. I have examined, evaluated and reported on diamond, gold, PGE, silver, potash, uranium and many more commodities in many parts of the world including the Northwest Territories, Saskatchewan, Ontario, Quebec, Guyana, Costa Rica, Russia, Argentina and Brazil.

I prepared and am responsible all items of this report entitled “TECHNICAL REPORT ON THE DUVAY-CHENIER GOLD PROPERTY FOR SECOVA METALS CORP” which was written for Secova Metals Corp.

I made a site visit to the property on May 10 to 12, 2017, personally inspecting the Duvay Zone Principal, Duvay Zone de la Fosse and Grenadier showings, as described in the text.

I provided consulting services to underlying property owners Tres-Or resources Ltd. regarding the Duvay gold project (Duvay Zone Principal) between 2010 and 2013, serving as the geologist responsible for their 2010 bulk sample program and 2011 drill program.. The relevant aspects of this work are described in the Exploration section of the report. I have no prior relation to Secova Metals Corp nor any of its principals or related parties.

I am not aware of any material fact or material change with respect to the subject matter of the Technical Report as of the effective date of the report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

I hold no stock in Secova Metals Corp, nor Tres-Or Resources Ltd, nor any related party, nor any property within 2 kms of the property that is the subject of this report. I am independent of the issuer.

I have read National Instrument 43-101 and Form 43-101F, and the Technical Report, and the Technical Report has been prepared to the standards of that instrument and form.

“Harrison Cookenboo”

*July 1, 2017*

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Harrison O. Cookenboo Ph.D., P.Geo.  
“*signed and sealed*”

Dated at Vancouver, B.C.