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DOCUMENT NO.: 120013
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: MAGNETOMETER SURVEY

DATE PERFORMED: 25 ^{November} ~~December~~ - 5 December 83 DATE FILED: 29 December, 1983

LOCATION	LAT.	63° 42' N	AREA: STODART CREEK (MT FREE GOLD AREA)
	LONG.	134° 58' W	

CLAIM NAME & NO.	PLACER LEASE 6663
	PLACER CLAIMS P 23402 - P23419
	P 25706 - P25709
VALUE \$	P 11723 - P11734

WORK DONE BY: G. C. LEE.

WORK DONE FOR:	C. MACDONALD DART PLACERS CO. LTD
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DATE TO GOOD STANDING	REMARKS:
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MAP NO.: PLACER ASSESSMENT REPORT X
115 I 06 PROSPECTUS X
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 120013
MINING DISTRICT: Whitehorse
TYPE OF WORK: Magnetometer Survey

REPORT FILED UNDER: G. MacDonald, Dart Placers

DATE PERFORMED: Nov. 25 - Dec. 5, 1983

DATE FILED: Dec. 29, 1983

LOCATION: LAT.: 63° 42'N

AREA: Stoddart Creek

LONG.: 134° 58'W

VALUE \$: n/a

CLAIM NAME & NO.: PL 6663
P23403 - P23419
P25706 - P25709
P11723 - P11734

WORK DONE BY: G.C. Lee

WORK DONE FOR: G. MacDonald, Dart Placers Limited

DATE TO GOOD STANDING:

REMARKS: STODDART CREEK, MT. FREEGOLD AREA

G.C. LEE
STODDART CREEK
1983

115-I-6
62°20'N 137°07'W
W456 - M.D.
04/03/86

CLAIMS: P23402-P23419; P25706-P25709; P11723-P11734

SOURCE: Summary by B. LUECK of assessment report 120013 by G.C. LEE.

A magnetometer survey was done over a large area of Stoddart creek in hopes of detecting placer magnetite concentrations which are associated with placer gold deposits. A number of anomalous zones were indicated.

G. MACDONALD, DART PLACERS Placer
STODDART CREEK 115 I 6
1983 62 18'N, 137 03'W
 Whitehorse M.D.

Reference:

Claims: Placer Lease 6663
 Placer Claims P23402-P23419
 P25706-P25709
 P11723-P11734

Source: Summary by T. Bremner of assessment report
 120013 by G.C. Lee.

History:

This work was a follow-up to a magnetometer survey in the adjacent Seymour Creek Valley where trenching demonstrated the existence of commercial quantities of placer gold in 1982. The 1982 work showed the gold was associated with large quantities of coarse-grained magnetite 0.5 metres above a feldspar porphyry bedrock with low magnetic susceptibility. The anomalous area was successfully mined in 1983, prompting a magnetometer survey to be undertaken on Stoddart Creek in November and December, 1983.

Description:

Stoddart Creek drains the northeast flank of Mt Freegold and flows northwest into Big Creek 34 miles northwest of Carmacks. The properties lie at an elevation of 3000 to 3500 feet and cover low benches covered with mixed forest and buckbrush a few metres to 100 metres wide. High level bench gravels occur up to 300 metres from the creek. Bedrock in the area consists of Upper Triassic granodiorite and hornblende-biotite-chlorite gneiss of possible Permian age.

Current Work and Results:

Eight baselines were established in different areas on the properties and readings were taken on cross lines mostly at intervals of 15 feet. Linear anomalies subparallel to the present stream channel were recorded beneath low level benches in four of the eight areas and defined targets for further exploration. Two other areas showed anomalies beneath high-level benches which could be part of a high-level buried channel system. One of the high level anomalies covers a previously-excavated trench from which gold was recovered by panning.