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Work Plan

Maze Lake Project

For calendar year 2005

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Maze Lake Project 2005 Work Plan
Placer Dome (CLA) Limited

1. Introduction

Maze Lake is an early stage gold exploration project operated by Placer Dome (CLA) Limited. It is under an agreement with Nunavut Tunngavik Incorporated (NTI). The agreement was signed in April 2003 and consists of 5 Inuit Land Parcel (WC02-03-01 to 05), as on figure 1. Payment to keep the parcels in good standing for 2005 has been submitted in March. A Level III Land Use Permit (#KVL304C08) was emitted on April 23, 2004 to cover the 2004 exploration program and will expire on April 23, 2005. The extension of this Land Use permit is requested to cover the 2005 exploration program. A water permit type B (#NWB2MZE0406) was awarded on June 11, 2004 and will expire on December 31, 2006. The project was reviewed and approved by the Nunavut Impact Review Board and the Nunavut Planning Commission.

Exploration work carried in 2004 has consisted in geological mapping, soil sampling, lake water sampling, drilling of 6 drill holes for a total of 1249m and camp building. Field work has taken place from July 16 to October 8 with a break between August 6 and August 31. A guardian was left at camp during this break and between October 9 to December 12, 2004 to close the camp. The camp was left standing to be used again in 2005. The Annual Reports on the 2004 activities will soon be submitted to NWB and KIA.

At this time, Placer Dome is looking for a partner to continue the exploration and has not taken a final decision on the extent of the 2005 exploration program. Contractors have not been selected yet. This work plan is for the largest program that could be carried over the next months. It is possible that the drilling activities will be postponed to 2006 or reduced in size and a smaller program with a lesser environmental impact would then take place. When contractors and the extent of the program are known, an amendment to this work plan will be submitted to KIA and NWB.

2. Project activities and their necessity

The 2004 exploration program has fulfilled many of its objectives and Placer Dome wishes to continue exploring the project area in 2005. The objectives for 2005 are to find the explanation for some gold anomalies found in 2003, better defined the 2004 drilling targets and asses if they have an economic potential. To do so, more drilling is necessary.

The exploration program planned for 2005 will see the same activities as in 2004 (mapping, rock and soil sampling, ground geophysical survey, drilling) but a larger amount of drilling is proposed (3000m instead of the 1800m planned in 2004). Also, a

magnetic airborne survey is planned to be completed on the area that was not covered in 2003. Drilling is planned to begin around July 17 and should last for 2 months. In order to carry that amount of drilling before winter settled in, camp opening, soil sampling, geological mapping and the ground geophysical survey have to be carried beforehand so results are received in time to plan the drill targets. **Caribou Protection Measures apply at Maze Lake between May 15 and July 15 and these activities would have to be carried during this period. A variance request is submitted along with this work plan.** The airborne magnetic survey and the drilling will not be carried during this period.

Drilling will be located in the northern part of the property. While unlikely, it is still possible that some drilling could be carried in the southern area of the property as in 2004. The proposed drilling areas are located at the same place as in 2004 but have been enlarged (see figure 1). It is possible, if the amount of drilling to be carried at the north end of the property justifies it, that the camp would be moved in this area and the actual location closed and restored. A final decision has not been taken yet and if the camp is moved, the new location would be on Territorial Lands. A Land Use permit will be submitted to DIAND if the camp is to be moved.

All freight to be hauled overland will be by snowmobiles, Bombardiers or Challenger between Whale Cove/Rankin Inlet and the property. The trails are temporary and don't need any clearing or snow ploughing. Winter hauling is already included in the actual Land Use permit.

Plans beyond 2005 are very speculative and depends on the quality of the 2005 results and budgets. With positive results and an appropriate budget, further diamond drilling will likely be necessary and could be carried in the spring and summer of 2006.

3. Schedule of Activities

The actual plans are for a 14 weeks program between the 17th of June and 30th of September that could be extended for an extra 4 weeks in October if needed. This is if the authorization to carry field work during the Caribou Protection Measures is granted.

If the authorization is not to granted, field work would start on July 16 and the drilling program would either be cancelled or reduced to 3 weeks (1000m) depending on drill availability.

The camp will be cleaned and closed following the end of the field work. The camp will be dismantled and the site restored in the fall of 2005 or spring-summer of 2006 if the decision not to continue exploration in 2006 is taken. Table 1 gives a break down of the activities to be carried.

Table 1: Schedule of activities

Program	Start Date	End Date	Comment
Fuel move	March 21	May 14 (30)	Could extend in last 2 weeks of May if delays happen in April due to weather or contractors. Only if variance is awarded.
Lake sediment sampling	April 15	May 14	Survey will last only for a week during that period. Will likely be based out of Whale Cove.
Camp move (if needed)	April 1	May 14 (30)	Could extend in last 2 weeks of May if delays happen in April due to weather or contractors. Only if variance is awarded.
Freight hauling by air	17 June 05	30 Oct 05	Only if variance is granted between June 17 and July 15
Camp building/opening	17 June 05	25 June 05	Only If variance is granted
Ground geophysical (Max-Min)	1 April 05	7 July 05	The survey will last for 3 weeks sometime during this period. Only if variance is granted
Geological mapping, soil sampling (northern area)	21 June 05	15 July 05	Only if variance is granted
Geological mapping, soil sampling (southern area)	16 July 05	30 Aug 05	
Airborne Mag survey	1 April 05	14 May 05	Survey will last for two weeks sometime during this period or carried after July 15 depending of contractor availability.
Drilling	16 July 05	15 Sept 05	3000 metres
Restoration	15 Sept 05	30 Oct 05	Drill sites to be restored soon after drilling is completed. Camp site to be cleaned for winter after closure. Full restoration of camp site to be completed if camp is dismantled.

4. Location

The project is located on Inuit Owned Lands, 45 km west of Whale Cove and 90 km southwest of Rankin Inlet in the Kivalliq District of Nunavut. The 5 Inuit Land Parcels of the agreement cover a total area of 39,886 hectares. See maps 1 and 2.

- There is no existing and will not have new lines, trails and areas cleared in 2005. Only temporary, un-cleared trails will be used by snowmobiles, Bombardiers and Challenger in spring and fall to haul freight as already included in the existing land use permit.

- All buildings, greywater sumps and latrines will be located within the camp area. Camp area at the actual location is 3.7 hectares. The same airstrip as in 2004 will be used unless a suitable one is found on the project site.
- The fuel drums will be separated in two caches: one located in the camp area as in 2004 and a second one located at the property's north end close to the drill area (see figure 2).
- Drill holes location is not known at this point and neither the area they will cover. The area in which drilling could occur is shown on figure 2.
- There is no existing and will not have new bridges, dams, ditches, etc… built in 2005.
- The project is on caribou calving ground.
- One archaeological site was found in 2005
- No carving stone quarry is known in the project area.

5. Camp structures

The camp will stay at its actual location (93º 37' 39"W and 62º 15' 49"N) unless it is decided to move it closer to the drilling operations in the property's northern area. In this case the camp will be moved on an esker located on Territorial Lands for which a Land Use permit will be requested to DIAND.

No major change is planned for the camp in 2005 except for the addition of maybe two sleeper tents. The camp is composed of the following buildings:

1 Weatherhaven kitchen, wood floor, 14 x 16
1 Weatherhaven dry tent, wood floor, 14x16,
1 Prospector core-logging tent, wood floor, 14x16,
1 Prospector office tent, wood floor, 14x16,
1 Prospector sleeper tent, wood floor, 14x16,
3 Weatherhaven sleeper tents, wood floor, 14x16,
1 Weatherhaven first aid tent, wood floor, 14x16,

1 Generator shack housing 12 Kw generator
1 wood frame outhouse
1 core-cutting shack

2 extra Weatherhaven 14 x 16 sleepers could be added.

People: average of 15 people with a maximum of 20 a short period of time. Approximate use of 1500 man-days.

6. Equipment

Helicopter and drill contractors are not known yet but the equipment to be used in 2005 should be similar or equivalent to what was used in 2004. Equipment is listed in table 2.

Table 2: Equipment to be used in 2005

Equipment Type	Units	Size-Dimension	Proposed Use	Grd. Pressure
Helicopter	1	31 ft x 6.4 ft x9 ft	Transportation, sampling, drill moves	1.03 psi
Diamond Drill	1	102 in x 64 in	Exploration drilling	2.21 psi
Generator	2	24 in x 26 x 22 in	Provide electricity to camp and drill	0.25 psi
Water pump	2	28 in x 21 x 17 in	Provide water to camp	0.08 psi
Core rock saw	2	20 in x 29 in x20 in	To cut core	0.08 psi
Snowmobile	1	5ft x 3 ft x 3 ft	Transportation (if needed)	0.10 psi
4 wheels vehicles	None			

7. Fuel

Transportation of fuel drums is planned for sometime between the third week of March to May 14 2005 weather dependant. M&T from Rankin Inlet will move the drums from Churchill to the fuel caches using one of their Challenger. If this plan was to fail, drums would be flown to Whale Cove and moved to the fuel caches with snowmobiles. The amount of fuel to be used is listed in table 3. The north fuel cache as proposed in the 2004 Work Plan was not used. Drums were moved daily to the drill. A new north fuel cache is proposed for 2005 as shown on figure 1. Half of the fuel will be located there and half to the actual fuel cache at the camp.

The different types of fuel are segregated and empty drums are stored apart. Fuel areas are at requisite distance from water. A spill kit is already located at the camp fuel cache and another one will be added to the north fuel cache when camp opens. All drums will be lying on their side in rows, with walking distance between rows. Bungs will be at 3 and 9 o'clock and all facing the same direction. Propane cylinders will be stored in a separate area in an upright and secure position.

Stove's fuel drums will be supported in wooden cribs at each tent. Absorbing pads and drip pans will be located underneath stationary equipment and where fuel is transferred. A visual inspection of drums and hoses for seepage will be done daily. Empty drums and cylinders will be taken out on returning flights if they are not to be reused.

Upon arrival at camp, personnel will be instructed on the spill response plan and safe manipulation of hazardous substances as per Spill contingency plan.

Table 3: Fuel to be present at the project site

Fuels	Use	Nb-Capacity of Container	Storage Method	Transfer Method
P-50 Diesel	Drill, generators, incinerator	120- 205 l	In metal drums	Hand pump or direct hose connection
Gasoline	Water pump	6-205 l	In metal drums	In smaller standard plastic containers using a hand pump.
Jet B	Helicopter	140-205 l	In metal drums	With an electric pump
Propane	Cooking, hot water tank	25-45 kg	In metal cylinders	No transfer
Stove oil	Heating	80-205 l	In metal drums	Hand pump or drums replaced

8. Hazardous Material Use

All hazardous material to be used in 2005 should be the same as in 2004. Drill additives to be used will be as much as possible the least toxic ones available on the market. In 2004, no mud was used and only 12 bags of salt were used. Most of these substances will be stored in camp in or at the drill site. Once a contractor is selected and if there is changes to the type of material used, MSDS sheets will be updated.

Table 4: Hazardous material to be present at the project site

Material	Use	Nb-Capacity of Container	Storage Method	Transfer Method
Oil, greases	Drilling, generators	40-10 litres	Plastic containers stored in boxes	Poured/pumped from container
Drill mud	Drilling	15-20 litres	Plastic pails on pallets	Poured/pumped from container
Antifreeze	Pumps	10-2 litres	Plastic containers in boxes	Poured from container
Calcium or sodium chloride salt	Drilling	50 bags	Plastic bags on pallets	Poured from container
Lead-Acid batteries	Electricity	2	Stored in boxes	NA
Household cleaners	Cleaning	10-650 ml	Plastic containers in boxes	NA

9. Waste

Waste will be burned in an incinerator when possible. Otherwise it will be flown out to approved municipal facilities.

Table 5: Waste to be produced in 2005

Waste type	Composition	Method of disposal	Additional treatment
Bulky item-scrap metal	Wood, metal, plastic containers	Reused when possible otherwise burned in incinerator. Non-combustible, explosive and metal will be packaged and flown out to Rankin Inlet or Whale Cove.	None
Garbage-solid waste	Kitchen refuse, paper, cardboard	Collected in standard garbage bins and incinerated daily. Metal cans are flown out.	None
Camp's greywaters	Cooking, washing	Discharged in a covered sump dug in sandy soil at requisite distance from water.	Sump to be filled.
Sewage	Human waste	In pit latrines treated with lime. Using a Pacto toilet (with content burned daily) is being considered.	None
Hazardous waste	Oil, grease, household cleaners	Only a very small amount to be generated. If suitable will be burned, if not will be flown out to source.	None
Drill greywater	Water	Water will be discharged to a sump.	Sump to be rehabilitated at end of season.
Sludges	Drill cuttings	Will be discharged in sumps	Sump to be rehabilitated at end of season.
Empty drums	Drums and cylinders	Flown out back to source if not to be reused.	None

10. Water Use

Water will be pumped from the lake adjacent to the camp to provide potable water to camp. Water will also been pumped for drilling purpose. Lakes will be chosen so pumping does not impact on water level. Intake pump hose will have a screen. Water use should be in average of 2000 l/day for camp and 25,000 to 50,000 litres/day for the drill depending on the drill and pump models. Water will be discharged in sumps away from bodies of water.

11. Transportation

Operations are fly-in, fly-out.

Helicopter: will probably be a Bell 206 Long Ranger. The drill, equipment, fuel drums and personnel will be moved from site to site by helicopter. Personnel mobilization from nearest airport will de by helicopter most of the time.

Fixed Wing: Twin Otter equipped with tundra tires is expected to be used for camp mobilization, demobilization, fuel move from Whale Cove and to supply camp.

Bombardier, Challengers or snowmobiles will be used at spring time bring fuel, drill equipment and other supplies to project site.

No ground vehicles will be used.

12. Environment

The project area is located on traditional Kamanuriak caribou calving ground and the Caribou Protection Measures apply. The area is subject to special measures between May 15 and July 15. There is no caribou water crossings located in the project area. A few wolf dens, swans, raptors and other small mammals like foxes and rabbits were observed during the 2003 and 2004 operations. The project is located in the distribution range of both Polar and Grizzly bears. One large bear came across camp unnoticed at night in 2004. It was a matter of debate in camp in determining if it was a polar or grizzly bear. A Wildlife Observation Form to record sightings was used in 2003-04 and will be used again in 2005.

There are small eskers and raised beaches on the project area with a very long one located at the east edge of the project. No work is planned on them. The camp is established on a raised beach. The site is used as is and no grading or modification was necessary. The camp site was inspected for archaeological sites and nests and none have been found so far. The camp site is at 240 metres from the large lake used for potable water.

An archaeological and burial site was found along the Ferguson River, far from any of our working areas. Any new site that is found will be protected and its location reported to authorities. Employees are instructed not to disturb them and record their position.

The closest community is Whale Cove at 45 km to the east. It will not be affected by the exploration activities.

13. Environmental Impact

The project is still at an early stage and will have only low and temporary environmental impact. Noise from the helicopter and drill will be the most disturbing. The camp is located on a sandy surface with almost no disturbance to the vegetation. Water is pumped from lakes for camp and drill use and greywaters are discharged in sumps. Once a sump is not in use anymore, the area is reclaimed by filling it back and spreading peat moss to encourage growth.

Low level flights will be avoided as much as possible but will be needed during drill moves and occasionally during soil sampling program. It will be for short period of time and will be cancelled if a caribou herd is present. Animal dens and nesting areas will be protected and disturbance will be avoided. If a caribou herd was to move through a drilling site or camp, activities would cease until the animals in close proximity leave the site. Harassing or taming animals is not permitted.

A Spill Contingency Plan was prepared and submitted in 2004 and still apply to the project. Once the extent of the 2005 exploration program is known better it will be updated and forwarded to KIA and Water Board.

Upon arrival at camp, personnel will be instructed on the environmental procedures applicable to the project.

14. Abandonment and Reclamation Plan

If exploration is to continue in 2006, the camp would be secured for winter and the site cleaned. If a decision not to pursuit exploration at Maze Lake is taken, the camp would then be dismantled at the end of the field season or in spring-summer 2006. All equipment would be removed and hauled or flown out to source and waste either burned or flown out to an approved municipal discharge. Sumps will be covered and levelled. Sumps and areas with worn out vegetal cover will be covered with peat moss and slightly fertilized to promote natural growth.

The Abandonment and Restoration Plan submitted in 2004 is still valid. It will be reviewed once a final decision on the extent of the 2005 program is known. The reviewed version will be sent to all concerned agencies.

15. Benefits to Inuit

It is Placer Dome sustainability policy to promote local employment and the utilisation of competitive goods and services. At least two field assistants will be locally hired for the total length of the program. Various opportunities for service provision will exist (e.g.,

hotel accommodation, taxi, supplies, carpenter, local airline charter…) resulting in direct dollars to communities.

Annual meetings are held in Whale Cove and Rankin Inlet to keep the community up to date with the exploration activities and regular contacts are maintained with Whale Cove.

16. Safety

Upon arrival at camp, personnel will be instructed on:

- Communication systems and procedures
- Camp and work place safety
- Fire emergency procedures
- Accident and Med-Evac emergency procedures
- Personal protective equipment requirements
- Spill response procedures and safe manipulation of hazardous substances
- Survival and protection from aggressive wildlife
- Aircraft safety
- Safety meeting schedule

A Safety and Emergency Response Procedures Plan was prepared in 2004 and was approved by the Worker Compensation Board. The will still be in force in 2005.

17. Communications

The camp will be equipped with at least 2 portable satellite telephone, handheld FM radios and one MSAT telephone. Phones will be in different tents. The helicopter and drill will also have a satellite phone. Hand-held FM radios will be used for communications between helicopter and field crews. All personnel will be fully instructed on the use of all communication equipment and a list of emergency contacts will be posted with the telephones.

18. Supervisory and First Aid certificates

N.Prud'homme: Level II Supervisors Certificate (Nunavut)
Drill Foreman: Level II Supervisors Certificate (Nunavut)
Drillers: Level I Supervisors Certificate (Nunavut)

Cook/First Aid Attendant: Advance First Aid Level 2 certificate
Drill Foreman, Drillers, Pilot: Safety Oriented First Aid certificate
At least the legally required minimum personnel will have at valid Safety Oriented First Aid training.

19. Fire Plan

All tents will be equipped with a minimum 5 kg fully charge ABC type fire extinguisher located near point of exit and/or proximal to equipment that poses a fire hazard. No smoking signs to be posted at all fuel caches, kitchen, propane depot and other areas with possible hazard.

Fuel caches will be located at a safe distance from the tents. All personnel will be instructed in fire emergency procedures and the safe use of fire equipment. Personnel will be aware of a common assembly area away from the tents.

20. Differences with the 2004 Work Plan

While the 2004 and 2005 plans are similar, the following table summarizes the main differences. The type of hazardous material present on the site should be the same as in 2004 but the amount should be higher due to the larger amount of drilling (see table 4). The type of waste produced on site should be the same as in 2004 but again the amount should be higher. Equipment on site will be equivalent.

Table 6: Differences with the 2004 Work Plan

Activity	**Approved for 2004**	**Planned for 2005**
Amount of drilling	14 holes for 1800m	Approx. 20 holes for 3000m
Program length	8 weeks ± month of October	14 weeks ± month of October
Water used-drill	10 cubic meter/day	25-50 cubic meter/day
Water used-camp	2 cubic meter/day	2 cubic meter/day
Diesel on site	100 drums	200 drums
Jet B on site	100 drums	140 drums
Propane on site	20 cylinders	25 cylinders
Gasoline on site	3 drums	6 drums
Camp man-days	Approx. 500 man -days	Approx 1500 man-days
Camp size	8 tents plus 4 wood sheds	11 tents plus 3 wood sheds

450000
460000
470000
6920000
6910000
6900000
Possible new camp site
North fuel cache
Northern drill area
Airborne Mag/EM area
Northern area for maping, soil sampling and ground geophysical surveys during Caribou Protection Measures period
Lake Sediments sampling
Camp and fuel cache
Southern drill area
Archeological site
N
0
5
Km
Placer Dome Inc.
Maze Lake Project
Kivalliq District, Nunavut
NTS 55K05
2005 Working Areas
UTM NAD 83 Zone 15
Figure 1