

Coco Grove Dredging B

*More than ₱10,000,000 gross in
ground yet to be surveyed: two*

The Coco Grove Placer Syndicate whose holdings are at Paracale, Camarines Norte, enjoying the operation of two dredges by Marsman interests, has a fortune in prospect from placer recoveries alone, while its lode claims are considered a distinct asset. What greater mining news than this, that really modern dredging of placer abandoned 14 years ago, is working out with great success? We say, none. The syndicate has at its disposition 1,088 hectares of placer at Paracale, supplemented with lode claims, town lots, foreshore rights and other surface rights assuring unhindered operation.

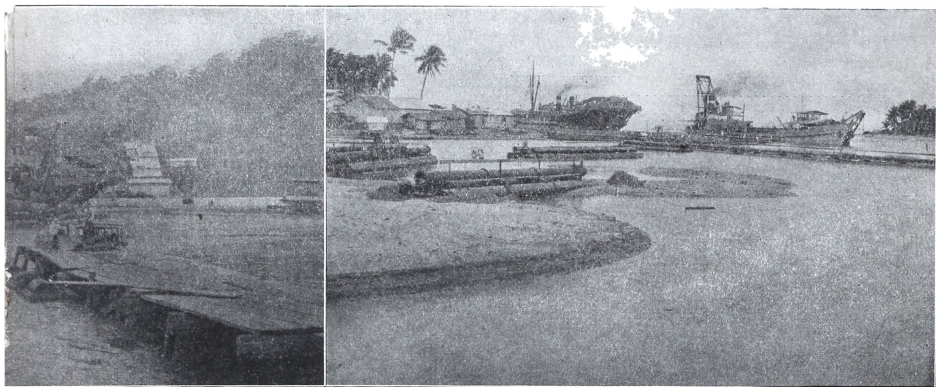
The placers comprise some virgin area, and other areas formerly dredged. These are on the Malaguit and the Paracale rivers. The Paracale yielded between ₱15,000,000 and

₱20,000,000 in gold during former dredging, that ceased 14 years ago. The lower and deeper portions were then left undredged because areas owned by many holders could not be purchased to make a single holding large enough to warrant installation of a dredge to reach the deep bedrock; the dredges then working were too small for this sort of thing.

The syndicate's holdings were acquired about 20 months ago when copra was low and the various owners were willing to sell; during 6 months of untiring effort, titles were got and all the surface rights covering the dredging area firmly secured. Meantime surveying had been undertaken, with drills, results being a minimum estimate of 35 cents gold per yard; but the drill experts say, at least 45 cents a yard. Results to date,

Looking Over The

	January	February	March	April	May	June	July
Antamok Goldfields.....	₱ 195,959	₱ 218,092	₱ 243,463	₱ 225,290	₱ 236,383	₱ 207,107	₱ 271,797
Baguio Gold.....	92,494	76,654	75,363	60,212	69,985	69,181	74,157
Balateo.....	909,852	910,494	1,053,834	1,068,136	1,060,594	982,802	1,125,761
Benguet Consolidated.....	639,117	597,529	614,555	615,515	676,833	728,429	826,697
Benguet Exploration.....	21,500	23,750	28,478	26,864	20,400	34,469	23,063
Demonstration.....	51,391	45,252	72,800	92,555	96,039	90,111	79,585
Ipo Gold.....	66,404	46,104	44,807	42,630	38,997	40,821	43,746
Hogon.....	195,706	175,373	185,117	189,400	205,982	204,162	209,174
I. X. L.....	33,710	28,298	37,132	30,562	33,804	32,600	27,857
Masbate Consolidated.....	51,702	47,927	50,062	47,731	75,879	46,080	65,808
Salacet.....	—	—	—	—	—	—	—
Suyoc Consolidated.....	62,555	58,662	63,523	86,225	91,957	75,644	77,448
United Paracale.....	—	—	—	—	—	61,000	102,628
Gold River.....	—	—	—	30,800	—	—	—
	₱2,320,396	₱2,228,135	₱2,470,034	₱2,515,920	₱2,607,513	₱2,572,406	₱2,927,721



Big Fortune at Paracale

Prospects in sight with additional
two dredges expertly staffed

14,328,000 cubic yards to yield gross **P10,154,646** at today's gold price of \$35 per ounce. Considerable ground along the Paracale remains to be surveyed.

The two dredges that J. H. Marsman rented from the Netherlands Harbour Works (renting saving a large outlay of capital) have dredged a channel from the sea to the Paracale in 15 weeks, a distance of 3,500 feet. Buffeting by storms has upped operating costs to about 8 cents gold per cubic yard, that dredging in the complete shelter now procured will materially reduce; engineers of the Netherlands Harbour Works estimate final costs during regular operations at 5 cents gold per yard. The dredges are the *Hankow* and the *Rotterdam*, each with an experienced crew and each equipped

with gold-saving apparatus.

There are not only experienced dredging crews, but experienced mechanical crews in the engine rooms, and two supervising mechanical engineers, and a civil engineer in charge of construction. Daily surveys are made of past advances and future routes; the floating pipeline equipment through which the dredges discharge up to distances of 1,500 to 2,000 feet is under constant supervision by experts. Thus staffed, and certain to draw continental attention to placer exploitation in the Philippines, each dredge has the capacity of 200,000 yards a month; their ability to do this at Paracale has been proved, and therefore yearly handling of at least 3,500,000 yards is

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The Year's Work

August	September	October	November	December	Total	1934 Total	
P 241,253	P 268,726	P 309,452	P 285,983	P 309,674	P 3,013,177	P 1,295,436	Antamok Goldfields
63,673	72,130	68,634	76,375	80,990	879,848	927,056	Baguio Gold
914,223	1,027,426	1,121,049	1,146,062	1,232,596	2,552,833	9,405,363	Balatoc
804,266	848,213	736,103	695,484	836,921	8,639,667	7,943,427	Benguet Consolidated
16,300	19,660	17,732	27,635	23,969	283,820	188,014	Benguet Exploration
71,271	82,266	76,510	90,169	85,778	934,158	—	Demonstration
42,483	45,226	50,127	53,379	60,311	575,039	831,101	Ipo Gold
78,000	178,972	201,378	199,841	200,000	2,220,349	2,139,573	Ilogon
41,653	53,957	41,192	44,961	42,975	448,767	—	I. X. L.
79,138	81,326	98,420	87,208	95,771	827,952	761,779	Masbate Con. (Panique M)
—	—	—	28,000	45,325	73,325	—	Salacot
65,000	77,000	95,165	98,000	104,000	955,170	—	Suyoc Consolidated
112,000	80,000	75,591	76,000	80,000	587,219	—	United Paracale
—	—	—	—	—	30,800	—	Gold River
P 2,529,260	P 2,834,902	P 2,911,353	P 2,909,097	P 3,198,310	P 32,025,047	P 23,491,839	

assumed to be a conservative estimate.

The following table results:

14,328,000 cubic yards containing.....	₱10,154,646
Extraction cost at 10 centavos a yard...	1,438,000
Profit.....	₱ 8,716,646
Or cost at 20 centavos (add 100%).....	1,438,000
Reduced profit.....	₱ 7,278,646

At the rate of 3,500,000 cubic yards a year, the operating time would be about 4 years to extract net either a maximum of ₱8,716,646 or a minimum of ₱7,278,646.

There remains, however, untested ground and a deposit of tailings on the Paracale summing several million yards; and partial test of the tailings indicates 6,000,000 yards containing ₱2,500,000. Then there is left the Malaguit river draining a much more extensive shed than the Paracale and therefore having a larger placer potential, at least 30,000,000 yards. More than 2,000 borings were made in this area during the former dredging, and further drilling has now been begun for the syndicate; the most promising areas will be thoroughly tested within 6 months. The former dredging averaged 17-1/2 cents gold recovery per yard, 30 cents gold at present valuation; though values are lower than in the Paracale area, they are still attractive when the efficiency of the dredges now in operation is taken into consideration.

Actual gold recovery began in December and is expected to continue without interruption. The primary objective was to get the dredges to safety as soon as possible, and therefore the richest deposits have not been reached: the next 4 months' operations will be in the poorer areas, yet a good working profit seems assured even here. In other words, all obstacles have been cleared and dredging at capacity has been begun on expected recovery in the two districts, Paracale and Malaguit, of gross ₱17,500,000 at the present valuation of gold. As to the lode claims, they are 17 in number; in the heart of the Paracale mining district, they cover almost the entire Paracale valley. Former dredging cut one or two rich veins, and exceedingly rich samples from the softer portions of these veins are still exhibited at the science bureau. In time the new dredges will cut the same ground, and indications then obtained will show what ought to be done as to exploiting the lode deposits.

It is extremely fortunate for the Philippines that the new dredges were obtained, and that these placers, competently surveyed, are being consistently worked. With such placer profits in sight, let the lode take care of itself. Among Marsman engineers who have worked on this project are J. O. Greenan and George W. Kerr.

Men of the Mines

J. O. Enberg, member of the mine consultation staff of Marsman and Company, expected back in Manila after an extended vacation in the United States, will probably be stationed in Baguio, officials of the company announce.

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F. G. Joaquin has resigned his position with Suyoc Consolidated, and is now general superintendent of the Makawile Mines in the Baguio district on the Benguet Exploration road.

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Frank E. Berkenkotter, University of Washington graduate, recently joined the staff of Benguet Exploration, in charge of development work.

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G. H. Davis, mine shift boss at Baguio Gold for the past 2 years, planned to leave the Islands this month and return to the United States.

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George M. Icard, veteran mining man, left the Islands in December for California, where he has interests in Grass Valley.

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James L. Hall, formerly resident engineer in charge of operations on the Consolidated Mines property in Zambales for Benguet Consolidated has been appointed general superintendent of Ipo. He replaces W. G. Donaldson who resigned recently to become affiliated with Consolidated Mines.

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R. C. Eilinger of Baguio has joined Itogon's staff.

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Ten members and one guest attended the January meeting of the Colorado School of Mines Alumni Association, Philippines branch, Wednesday, January 15, at the Pines hotel. The Coloradoans and their friends will hold a beach party at Long Beach, Bauang, in February, it was decided at this meeting, probably on Sunday, February 9. Those present at the meeting included J. O. Blades, of the Ingersoll-Read Company, Manila; R. H. Wells, L. W. Lennox, W. T. Graham, E. C. Rice, C. W. Burgess, W. E. Heinrichs, E. C. Bitzer, H. B. Parfet, L. W. Buchanan, and R. Keeler.

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George A. Bell assumed his duties as mill superintendent at Demonstration Gold Mines on the first of the year. Mr. Bell has been assistant mill superintendent at Benguet Consolidated for some time, and was acting mill superintendent during the absence of J. M. Morris recently on vacation. He has had extensive experience in milling. He was educated at the University of Kansas, which he attended during the period 1914-17, studying for the degree of chemical and metallurgical engineer. From 1920 to 1924 he was in Monterey, Mexico, for the American Metal Company. For eight years, from 1924 to 1932, he was in the employ of Phelps-Dodge, in Ajo, Arizona, in various capacities. He was chief chemist of the leaching plant, foreman of the leaching plant, and for four years was chief metallurgist. He came to the Islands in the spring of 1933 to join Benguet.

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