COMPANY: Pacific-Nevada
PROJECT: North Butler
HOLE NUMBER: NB 001

Commenced:	01 December 99
Completed:	12 December 99
Logged By:	L.A.Newnham
Drilled By:	DDT

Purpose of Hole

To test Au anomalous soil and rock chip sampling anomaly associated with a modest IP anomaly in a *sequence of shaley sediments and mafic volcanics* adjacent to a major NE trending structure.

Comments on Completion

the zone of most interest in this hole was a sequence of interbedded pyritic shales, siltstones and sandstones between 156.4-181.7 m;
the 4 m. interval between 164.0-168.0 m. averaged 0.13 g/t Au and approx. 35% pyrite;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5,307,540N	364290	2125	-50	35

Length (m)
335

Hole Size	
To (m)	Size
3	HW
71.2	HQ
335	NQ

Significant Core Loss Zones		
From	To	%Rec.
87.0	90.2	20
123.8	128.1	40
212.9	238.3	see log

Hole Condition on Completion

all casing removed; PVC placed in hole, but top slipped beneath collar;

Summary of Results:

Depth		Recovery	Description	Assays							
From	To	%		Length	ppm Au	Cu	Pb	Zn	%S		
164.0	168.0	96	dark gray pyritic siltstones and shales	4.0	0.13	115	26	28	14.3		

DOWN HOLE SURVEY DATA

COMPANY: Pacific-Nevada
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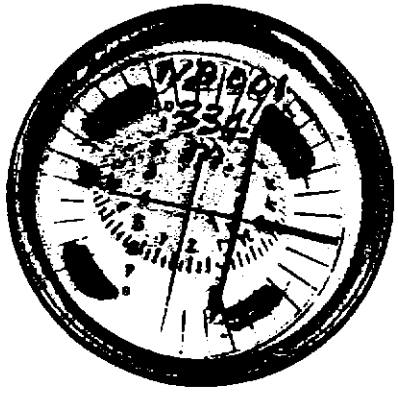
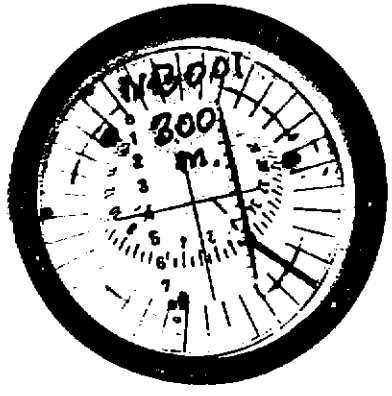
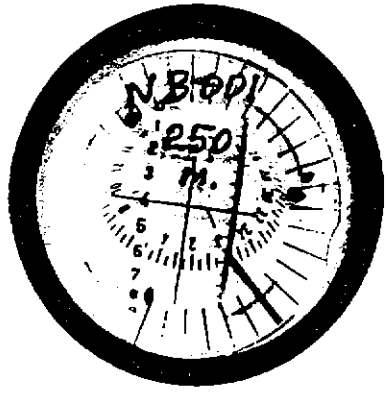
Depth	Dip	Bearing	Interval		Length	Vertical Distance		Horizontal Distance		Co-ordinates			
(m)		(AMG)	From	To	(D)	D.sin dip	R.L.	D. cos dip (HD)	Cumulative HD	N. distance HD. cos brg.	N. co-ordinate	E. distance HD. sin brg.	E. co-ordinate
COLLAR	-50	35					2125.00		0.00		5,307,540.0		364,290.0
0	-50	35	0	50	50	38.30	2086.70	32.14	32.14	26.33	5,307,566.3	18.43	364,308.4
100	-49	37	50	150	100	75.47	2011.23	65.61	97.75	52.40	5,307,618.7	39.48	364,347.9
200	-49	39	150	225	75	56.60	1954.62	49.20	146.95	38.24	5,307,657.0	30.97	364,378.9
250	-50	40	225	275	50	38.30	1916.32	32.14	179.09	24.62	5,307,681.6	20.66	364,399.5
300	-50	40	275	317.5	42.5	32.56	1883.76	27.32	206.41	20.93	5,307,702.5	17.56	364,417.1
335	-49	41	317.5	335	17.5	13.21	1870.56	11.48	217.89	8.66	5,307,711.2	7.53	364,424.6
335													







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COMPANY: Pacific-Nevada
PROJECT: Cape Sorell
HOLE NUMBER: NB 001

Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	%S
.0.0	3.0	HW trione - no core;	3.0	3.7	60											
			3.7	7.2	55											
3.0	30.1	**DIORITE/minor ANDESITE:**	7.2	8.9	90				4.0	7.0	4	163	44	485	<5	<0.1
		severely weathered light green chloritic diorite	8.9	10.8	95											
		with minor units of darker gray volcanic (?)	10.8	13.9	100				10.0	11.0	<1	93	29	262	<5	<0.1
		andesite, with abundant dark mafic	13.9	15.1	70											
		phenocrysts;	15.1	15.9	90				14.0	15.0	2	89	52	207	<5	<0.1
		numerous thin <5 mm. irregular fractures or	15.9	17.0	100											
		veins filled with soft white clay (after	17.0	17.7	7				20.0	21.0	2	71	22	105	<5	<0.1
		carbonate); commonly also orange colored	17.7	18.4	50											
		suggesting pyritic carbonate veining;	18.4	19.5	95				24.0	25.0	<1	45	24	206	<5	<0.1
		several soft white clay sections;	19.5	20.9	100											
		only minor specs of pyrite;	20.9	22.0	80											
		core very broken along several joint sets;	22.0	22.7	65											
		fractures coated with orange clay and	22.7	27.0	100											
		manganese;	27.0	27.3	60											
30.1	37.0	**GABBRO:**	27.3	28.7	55				30.0	31.0	10	181	51	640	<5	<0.1
		coarser grained mafic intrusive; abundant	28.7	29.9	90											
		radiating and fibrous amphibole set in felsic	29.9	37.5	100				34.0	35.0	2	116	21	365	<5	<0.1
		groundmass;														
		green chloritic alteration common;														
		only minor pyrite;														
		core becoming more competent but still														
		strongly weathered along fractures and														
		jointing- often limonitic and clay filled;														
		principal joint directions 30 and 60 CA;														
37.0	48.4	**DIORITE - ANDESITE:**														
		darker gray fine grained mafic intrusive/	37.5	38.0	80				38.0	39.0	2	97	18	219	<5	<0.1
		volcanic less weathered than units above but	38.0	48.4	100											
		still fractured to 40.3 m;							41.0	42.0	3	<5	11	44	<5	<0.1
		below 40.3 m: increase in white carbonate							42.0	43.0	<1	11	14	65	<5	<0.1
		veining and pervasive alteration of mafic							43.0	44.0	<1	130	16	61	<5	<0.1
		intrusive;							44.0	45.0	<1	46	16	52	<5	0.4
		from 41.0 m., core is strongly speckeled with							45.0	46.0	<1	42	16	61	<5	0.7
		pervasive green alteration of felspars to light							46.0	47.0	<1	36	18	95	<5	0.2
		green clay;							47.0	48.5	<1	39	18	68	<5	0.2
		1-5 mm calcite common as irregular														
		anastomosing veins;														
		pyrite common in carbonate veins as small														
		crystalls and aggregats;														
		below 43 m: fine grained mafic intrusive, ...														

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PROJECT: Cape Sorell
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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	%S
37.0 continued.....	48.4	possibly andesitic, with abundant anastomosing network fine carbonate veins and large carbonate masses making up 50% of unit; **44.7-45.0 m:** 300 mm zone mafic rock brecciated by carbonate veining; 1-2% pyrite as coarse crystals and clusters; hematite common as large ascicular clusters in carbonate veins at 45.7 m; carbonate veins often leached and vuggy; core moderately competent; principal joint set 30 CA and usually coated with soft gray-white clay and carbonate;														
48.4	54.2	**SILTSTONE-MUDSTONE:** buff colored well bedded mudstone, interbedded with dark gray medium grained siltstone; network of abundant anastomosing white 1-5 mm carbonate veins; minor but coarse patches dark fibrous hematite in carbonate veins in places; BCA 50; 3-5% pyrite in carbonate veins and ocassionally as disseminated grains in the host rock; possible minor small spec of chalcopyrite; core moderately competent but commonly fractured along joint sets at low angle to core axis; carbonate and pyrite usually smeared along joints; sharp HW contact parallel to bedding;	48.4	55.6	100				48.5	50.0	13	41	<10	21	22	1.5
									50.0	52.0	7	16	10	48	23	1.9
									52.0	54.2	6	14	<10	27	<5	0.9
									54.2	56.0	<1	57	11	26	<5	0.1
54.2	67.5	**DOLERITE - ANDESITE:** light-dark gray fine-medium grained intrusive (dolerite) with pervasive soft dark spotting (chlorite); intermixed with darker fine grained volcanics, with common white carbonate spotting and widespread green chloritic alteration; 1-2 mm., ocassionally to 20 mm., white carbonate veins common; core moderately competent but several broken	55.6	58.8	100				57.0	58.0	1	169	<10	35	<5	0.1
			58.8	61.2	85				59.0	60.0	4	12	<10	22	<5	0.2
			61.2	67.5	100				61.0	62.0	3	11	<10	25	<5	0.3
									64.0	65.0	6	130	<10	22	<5	0.5
									65.0	66.0	5	13	<10	20	<5	0.3
									67.0	68.0	19	<5	<10	35	<5	0.1

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From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	%S
54.2	67.5	and clayey zones (eg) 61-62.6 m; **below 64.8 m:** brecciated /fragmental, more siliceous and gradational with nit below; 1% fine-medium grained pyrite often as grains rimming fragmental blocks, in fractures, and associated with carbonate veining; 64.3-65.0 m: 2-3% pyrite as aggregates and thin seams in fragmental rock;															
67.5	75.5	**VOLCANICLASTIC SEDIMENTS, minor GABBRO:** fine-medium grained, well bedded, light brown -medium gray sediments possibly with volcaniclastic component; weakly calcareous in places; BCA 60; thin carbonate veins either parallel to bedding or infilling fractures; 73.0-74.6 m: fine grained gabbro/dolerite with carbonate veining; 1% pervasive pyrite as disseminate euhedral grains, small clots and associated with carbonate veins; core competent; most fractures parallel bedding;	67.5	73.6	100				69.0	70.0	7	5	<10	42	<5	0.3
			73.6	75.6	90				72.0	73.0	2	37	<10	58	<5	0.2
75.5	77.3	**GRAPHITIC SHALE - SILTSTONE:** 75.5-76.9 m: black graphitic shale with 3-5% pyrite as pervasive fine grains and 1-2 mm veins parallel to bedding; BCA 60; 76.9-77.3 m: buff brown siltstone with abundant thin quartz-carbonate veining ; 1-2% pyrite as disseminations and thin veinlets; BCA 70; sharp, steep contact with fault below;	75.6	77.3	100				77.3	79.0	11	9	<10	23	<5	1.37
									79.0	80.0	18	15	<10	21	<5	2.5
									80.0	81.0	3	<5	<10	35	<5	0.3
77.3	90.8	**MAJOR FAULT:** **77.3-87.0 m:** irregular clasts of volcanic, dolerite and shale set in matrix of mixed white carbonate and dark gray black hematite(?);	77.3	79.2	90				81.0	82.0	4	7	<10	25	<5	1.36
			79.2	82.3	100				82.0	83.0	5	6	<10	28	<5	1.38
			82.3	84.8	80				83.0	84.0	13	7	<10	18	<5	1.31
			84.8	85.3	80				84.0	85.0	28	15	<10	29	11	1.88
			85.3	86.1	85				85.0	86.0	69	43	<10	41	20	5.5

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	% S
77.3	90.8	2-3% pyrite, largely confined to the clasts as discrete euhedral grains, fractured and disrupted seams and blebs; minor pyrite in the matrix suggests mineralisation both pre and post dates faulting: **87.0-90.8 m:** clay, pug grit and sand and zones of very broken rock; poor recoveries;	86.1	87.0	90											
			87.0	87.8	45											
			87.8	89.0	10											
			89.0	90.2	10											
			90.2	90.8	100											
90.8	128.1	**GABBRO-DOLERITE-FRAGMENTAL VOLCANICS: strong carbonate-pyrite alteration:** **90.8-100.7 m:** light gray spotted volcanic, generally fractured and brecciated with resultant cataclastic texture; large lumps and fragments volcanic and dolerite set in dark gray-black calcareous matrix; late stage carbonate veins; minor diseminated pyrite and trace chalcopyrite associated with veins and as stringers in matrix; core competent; **100.7-108.0 m:** similar to unit above but appears more gabbroic and less brecciated; <1% pyrite as disseminated grains in gabbro; **108.0-114.8 m:** similar to 90.8 m....., but increase in dark patches (fibrous amphibole(?) very high carbonate component and late stage carbonate veining; disseminated pyrite and trace chalcopyrite associated with carbonate veins and to a lesser extent disseminated throughout the volcanic/dolerite; ground conditions good; **114.8-114.9 m:** thin bed of volcanoclastic sediment: BCA 70; **114.9-128.1:** strongly altered and brecciated volcanic (?); mottled light gray calcareous remnants and clasts set in dark green-black calcareous groundmass which is asicular in patches and has a very high carbonate component;	90.8	91.6	70				92.0	93.0	5	68	<10	141	<5	0.1
			91.6	115.8	100											
									94.0	95.0	3	115	22	108	<5	0.1
									96.0	97.0	2	75	28	215	<5	<0.1
									98.0	99.0	6	110	26	149	<5	<0.1
									100.0	101.0	4	13	28	300	<5	<0.1
									103.0	104.0	3	79	24	301	<5	<0.1
									106.0	107.0	1	12	<10	226	<5	<0.1
									108.0	109.0	2	350	<10	185	<5	0.5
									109.0	110.0	<1	269	20	268	<5	0.2
									110.0	111.0	2	51	<10	185	<5	<0.1
									111.0	112.0	1	103	22	122	<5	<0.1
									113.0	114.0	3	103	28	144	<5	0.3
									115.0	116.0	4	413	20	120	<5	0.3
									116.0	117.0	3	112	<10	86	<5	0.1
			115.8	118.2	90				117.0	118.0	5	149	<10	97	<5	0.2
			118.2	119.4	100				118.0	119.0	2	59	22	90	<5	0.2
			119.4	120.5	90				119.0	120.0	<1	162	<10	89	<5	0.2
			120.5	123.8	100				120.0	121.0	3	122	<10	95	<5	0.1
			123.8	124.4	65				121.0	122.0	4	129	<10	135	<5	<0.1
			124.4	126.5	25				122.0	123.0	<1	61	<10	119	<5	0.1
			126.5	128.1	20				123.0	124.0	5	103	<10	94	<5	0.2

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	ppb Au	ppm Cu	Pb	Zn	As	% S
90.8 continued.....	128.1	1-10 mm. random carbonate veins common; pyrite patches, blebs and stringers, associated with minor blebs of chalcopyrite, usually in carbonate veins; **note:** new HQ hole commenced at 123 m., because of problems with NQ hole further down; 124.0-128.0 m., high core losses due to lipping operation with new hole;														
128.1	130.2	**CATACLASITE/ BRECCIA:** pink-brown clasts to 20 mm. set in dark green-gray chloritic and calcareous sheared groundmass; minor thin carbonate veining with associated pyrite; minor pyrite disseminated in groundmass; core moderately competent;	128.1	130.2	100				128.1	129.0	1	120	<10	91	<5	0.1
									129.0	130.0	<1	145	<10	75	<5	0.1
130.2	133.0	**VOLCANICLASTIC (?) SEDIMENT:** dark gray well bedded siltstone, possibly with a volcaniclastic component; BCA 50; 1-10 mm. white carbonate veins common; pyrite abundant in carbonate veins but only minor in siltstone; conformable and gradational with units above and below;	130.2	133.0	100				131.0	132.0	4	83	<10	64	<5	0.5
133.0	141.0	**ALTERED VOLCANICS and CATACLASTIC VOLCANICS:** massive dark gray calcareous volcanics with overall cataclastic appearance; similar to 108 m.....; large irregular and rounded clasts set in very dark gray groundmass of hematite ? or amphibole? carbonate and quartz-carbonate common as veins and irregular masses up to 20 mm. 0.5-1% pyrite disseminated in clasts and within carbonate veins and masses; core competent; principal fracture direction 50 CA; grades into.....	133.0	141.0	100				134.0	135.0	6	174	<10	67	<5	0.6
									137.0	138.0	2	131	<10	76	<5	0.4
									139.0	140.0	<1	100	<10	50	<5	0.5

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	%S
141.0	145.1	**VOLCANICLASTIC (?) SEDIMENTS:** well bedded gray-dark gray volcaniclastic sediments; abundant volcanic and sedimentary clasts set in generally medium-coarse grained groundmass; BCA 50; white carbonate common as irregular 1-20 mm veins and masses; graded bedding suggests unit right way up; 0.5-1% pyrite in clasts and thin discontinuous seams parallel to bedding; also disseminate within carbonate veins and masses; core competent with most fractures parallel to bedding;grades into unit below;	141.0	145.1	100				141.0	142.0	3	32	<10	60	<5	<0.1
									143.0	144.0	1	78	<10	82	<5	<0.1
145.1	156.3	**SILTSTONE-SHALE, minor volcaniclastic component, pyritic in parts:** dark-dark gray, fine-medium grained siltstone with dark gray shale bands and buff colored tuffaceous (?) units; often brecciated and extensively carbonate veined; pyrite common throughout, being abundant in some intervals; **145.1-146.3 m:** well bedded siltstone; BCA 45-50; minor pyrite; **146.3-147.3 m:** brecciated unit with calcareous matrix and abundant carbonate veining; graphitic broken shale bands at base; abundant pyrite in matrix; **147.3-148.7 m:** light brown- buff colored fine grained volcaniclastic (?) sediment; disrupted and brecciated in places by large quartz-carbonate masses and veins; pyrite common along thin fractures and in quartz-carbonate; **148.7-154.7 m:** dark gray-black fine grained siltstone and shale; brecciated and disrupted by carbonate and quartz-carbonate veining; BCA 50; 3-5% pyrite abundant as large clots and	145.1	146.0	100				145.0	146.0	13	32	<10	18	<5	0.1
			146.0	148.4	90				146.0	147.0	6	<5	<10	18	<5	1
			148.4	150.2	100				147.0	148.0	25	11	<10	18	<5	2.8
			150.2	152.0	95				148.0	149.0	4	<5	<10	22	<5	1
			152.0	156.3	100				149.0	150.0	18	31	<10	32	17	3.3
									150.0	151.0	16	21	<10	26	<5	2.5
									151.0	152.0	14	16	<10	18	<5	2
									152.0	153.0	7	13	<10	19	17	2.2
									153.0	154.0	6	7	<10	13	22	0.9
									154.0	155.0	16	59	<10	27	<5	4.4
									155.0	156.3	33	103	<10	24	<5	7.4

Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	%S
145.1 continued.....	156.3	seams parallel to bedding and associated with carbonate matrix as seams and aggregates; very broken in places; **154.7-156.3 m:** finely bedded buff green-yellowish sediments; BCA 55-60; minor disruptive carbonate veining; 5-10% pyrite as conformable seams of fine grains, clots and aggregates;also associated with carbonate veins; core competent with most fractures parallel to bedding;														
156.3	156.4	**FAULT/PUG:** 100 mm. black sandy pyritic pug zone;	156.3	156.4	100											
156.4	181.7	**SILTSTONE-SHALE-SANDSTONE, silicified and very pyritic:** package of thinly bedded siltstone, shale and sandstone; minor carbonaceous shale, variably carbonate veined; narrow silicified intervals; BCA 60-70; 5-10% pyrite overall, but semi-massive over thin bands; core moderately competent but some broken zones; **156.4-158.5 m:** light gray calcareous sandstone; abundant carbonate veins and large masses which have resulted in fragmentation and brecciation of host rock; some core loss; minor coarse pyrite disseminated in sandstone and associated carbonate; core very broken; **158.5-164.0 m:** black graphitic shales with minor sandstone; pyrite common parallel to bedding as thin seams and disseminations; very broken; **164.0-172.9 m:** dark gray siltstone-shale-minor sandstone; carbonate veining and irregular masses.....	156.4	157.7	100				156.4	158.0	7	14	<10	18	12	1.2
			157.7	158.5	50				158.0	159.0	19	16	<10	14	<5	3.4
			158.5	159.5	60				159.0	160.0	59	51	<10	28	20	6.6
			159.5	160.4	80				160.0	161.0	26	19	<10	26	<5	2.7
			160.4	162.5	35				161.0	162.0	48	41	<10	31	14	5
			162.5	163.4	80				162.0	163.0	61	55	<10	26	<5	6.2
			163.4	164.0	10				163.0	164.0	21	16	<10	16	<5	2.1
			164.0	164.5	90				164.0	165.0	185	155	36	20	29	15.5
			164.5	165.4	90				165.0	166.0	109	81	22	17	<5	15.1
			165.4	181.7	100				166.0	167.0	53	46	<10	56	<5	7.9
									167.0	168.0	176	180	42	21	30	18.7
									168.0	169.0	83	73	<10	17	16	8.7
									169.0	170.0	42	45	<10	21	<5	6.6
									170.0	171.0	93	174	40	20	27	13.1
									171.0	172.0	60	47	<10	23	10	5.5
									172.0	173.0	86	69	<10	19	<5	8.9
									173.0	174.0	22	29	<10	15	<5	5.2
									174.0	175.0	13	29	<10	16	<5	6.8
									175.0	176.0	4	18	<10	18	<5	6.3
									176.0	177.0	5	20	<10	25	<5	1.5
									177.0	178.0	<1	<5	<10	19	<5	0.9
									178.0	179.0	9	23	<10	<5	<5	4.4
									179.0	180.0	14	81	<10	<5	<5	11.4
									180.0	181.7	14	31	<10	6	<5	3.2

Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	%S
156.4 continued.....	181.7	abundant near top of unit but deacreasing down unit; feature of unit is abundance of pyrite, principally as bands and seams to 10 mm. wide parallel to bedding, and pervasively disseminated in sediments; lesser fine euhedral grains and clusters within carbonate veins; overall 5-10% pyrite but locally 20-30%; core moderately competent but joint sets 20 and 30 CA result in some broken zones; **172.9-181.7 m:** similar to above but paler in color and more silicified; some sections strongly silicified; 10-15% pyrite; core moderately competent;															
181.7	194.0	**CARBONACEOUS SHALE-minor sandstone, pyritic:** black carbonaceous-graphitic shale with minor interbeds of light gray medium-coarse grained calcareous sandstone; sandstone beds are cut by abundant thin carbonate veins; BCA 60-65; 185.0-186.0 m: broken, puggy brecciated zone-possible small fault; 5-10% pyrite overall, as 10 mm. seams, disseminated bands parallel to bedding, pervasive disseminated grains and associated with carbonate veining; shale sections very broken, especially along graphitic bedding planes; sandstone beds less broken;	181.7 185.2 186.0 187.7	185.2 186.0 187.7 194.0	100 75 90 100				181.7 183.6 186.0 187.5 191.0 193.0 195.0	182.6 185.2 187.5 189.0 192.0 194.0 196.0	34 17 6 46 43 17 14	44 17 13 34 23 17 36	<10 <10 <50 <50 <50 <50 <50	35 9 45 39 37 34 36	13 <5 <5 <5 <5 <5 <5	2.9 1.9 0.7 4 3.2 2.9 0.6
194.0	208.8	**QUARTZITE:** light gray, medium-coarse grained quartzite; minor darker siltstone beds; minor quartz-carbonate veins; BCA 70 in siltstone beds; 3-5% pyrite as pervasive disseminated grains, along fracture surfaces, rimming pebble like fragments and concentrated in seams parallel	194.0 199.0 199.7 201.9 203.0 204.6 205.9 208.5	199.0 199.7 201.9 203.0 204.6 205.9 208.5 208.8	100 20 100 85 60 70 100 30				197.0 200.0 201.0 206.0 207.0	198.0 201.0 202.0 207.0 208.0	20 24 29 8 9	8 8 18 <5 5	<50 <50 <50 <50 <50	35 33 37 34 32	<5 <5 <5 <5 <5	0.8 1.2 2.5 0.7 1

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	% S
194.0 continued.....	208.8	to bedding; core brittle and broken, rubbly in places; several low angled joint sets; reduced to NQ at 203 m;														
208.8	212.5	**BLACK SHALE and GRAY SILTSTONE:** finely bedded black shale narrow beds of medium-coarse grained sandstone; BCA 80-90; 5-10% pyrite disseminated and in thin semi-massive and massive 1-5 mm. seams parallel to bedding; minor carbonate veining with euhedral pyrite; core very broken parallel to bedding and by several joint sets, one of which is parallel to CA:	208.8 209.3 210.7 211.7	209.3 210.7 211.7 212.9	80 95 100 85				209.3	210.7	10	13	<50	34	<5	2.55
212.5	238.0	**MAJOR FAULT ZONE: significant core loss:** zone of pug, clays, sand, blocks silicified quartzite, quartz bands and massive pyrite sections; silicified bands porous and weak, separated by pug and sand; 3-5% pyrite as thin seams in solid rock and disseminated in clasts; clay commonly pyritic; significant core loss in places; drillers report rods would fall considerable distances when un-chucked; **233.9-234.2 m:** band massive pyrite, minor quartz; **237.6 m:** lumps massive pyrite and pyritic sand- possible cavity filling;	212.9 214.4 215.3 218.8 220.5 222.6 223.7 225.6 226.0 229.0 234.1 236.9 237.6	214.4 215.3 218.8 220.5 222.6 223.7 225.6 226.0 229.0 234.1 236.9 237.6 238.3	40 80 40 30 30 65 60 100 45 15 15 60 60				212.9 215.3 218.8 222.6 223.7 225.6 229.0 234.1 236.9	215.3 218.8 222.6 223.7 225.6 229.0 234.0 236.9 238.3	18 33 24 45 19 16 4 3 1	7 18 22 19 11 <5 51 <5 6	<50 <50 <50 <50 <50 <50 <50 <50 <50	38 34 37 34 31 33 38 57 49	<5 <5 <5 <5 <5 <5 <5 <5 <5	4.15 7.3 6.3 7 7.9 3.7 >10.0 >10.0 6.9
238.0	254.5	**FAULT ZONE - remnant quartzite, pyritic:** zone of light gray medium-coarse grained quartzite bands, highly contorted and brecciated in places; alternating with sand, pug, and siliceous breccias; possibly part of the major fault zone above; **238.0-244.0 m:** light gray medium-coarse grained quartzite; white carbonate abundant as veins and irregular masses; several pug seams and	238.3 239.7 245.0 246.2 248.2 250.6 253.6	239.7 245.0 246.2 248.2 250.6 253.6 255.0	90 100 75 100 80 80 100				238.3 241.0 243.0 245.0 246.2 247.4	240.0 242.0 244.0 246.2 247.4 248.8	2 1 5 <1 <1 5	5 10 8 <5 5 <5	<50 <50 <50 <50 <50 <50	38 43 42 44 28 40	<5 <5 <5 <5 <5 <10	2.4 2.2 1.4 3.8 0.9 1.8

COMPANY: Pacific-Nevada
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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	% S
238.0	254.5	vuggy in places;							250.0	251.0	2	7	<50	42	<10	1.8
continued.....		**244.0-248.2 m:** distorted quartzite blocks, sand, pug and rubble;							253.0	254.5	4	<5	<50	48	<10	3.2
		248.2-253.0 m: pyritic sandstone with abundant quartz-carbonate and carbonate veining containing minor pyrite;														
		253.0-254.5 m: lumps of pyritic quartz, clay, rubble and brecciated quartzite;														
254.5	281.4	**SILTSTONE, CALCAREOUS SANDSTONE-GRITS, possible volcaniclastic component:**	255.0	258.2	100				256.0	257.8	5	7	<50	46	<10	3.4
		mixed sequence light gray pyritic siltstone	258.2	259.2	90											
		interbedded with coarse sandstone - grits	259.2	281.0	100				259.3	260.5	4	8	<50	43	<10	3.5
		with calcareous matrix; narrow breccia zones;							260.5	262.0	2	5	<50	43	<10	2.4
		possible medium-coarse grained volcaniclastic														
		sediments;							265.0	266.0	7	17	<50	36	<10	1.9
		carbonate veining common with 3-5% pyrite,							266.0	267.0	2	5	<50	46	<10	1.5
		locally higher;														
		254.5-260.8 m: well bedded light brown-light							268.0	269.3	3	<5	<50	40	<10	1.0
		gray siltstone with interbeds medium-coarse														
		grained calcareous sandstone;							272.0	273.0	4	6	<50	40	<10	2.6
		BCA 50-60;														
		abundant irregular carbonate veining, often							274.5	276.0	2	<5	<50	40	<10	1.1
		parallel to bedding but also as large irregular							276.0	277.0	<1	<5	<50	41	<10	1.4
		masses;														
		3-5% pyrite as thin bedding parallel seams,							278.0	280.0	4	5	<50	42	<10	2.5
		intilling fractures, pervasive disseminated														
		grains ans associated with carbonate veining;														
		core mixture of moderately competent ground														
		and very broken rubbly intervals;														
		260.8-266.1 m: as above but with greater														
		proportion of grits and calcareous sandstone;														
		possible volcaniclastic component;														
		266.1-270.8 m: as above but with several														
		200-400 mm. breccia zones with carbonate														
		cement;														
		270.8-280.5 m: interbedded light brown-light														
		gray siltstone and calcareous sandstone:														
		BCA 40-50, increasing to 50 near bae of unit;														
		abundant anastomosing white carbonate														
		veins;														
		3-5% pyrite but 5-10% below 274.5 m., as														
		thin seams along bedding planes, associated..														

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	% S
254.5	281.4	with carbonate veins and pervasively disseminated; grades into unit below.....														
281.4	335.0	**COARSE DEBRIS FLOW:** clasts of various sedimentary and volcanic origin, from fine grained to 50 mm., set in a highly calcareous matrix; minor sedimentary beds; notable absence of carbonate veins; 3-5% pervasive pyrite as fine-medium grains and aggregates, in both the groundmass and clasts; **281.8-283.1 m:** gray pyritic pug and cemented grits; significant core loss; **283.1-299.5 m:** coarse grained grit with calcareous groundmass; several <1 mm. carbonate veins; 3-5% pervasive disseminated pyrite; ground conditions excellent; core decomposed over several narrow intervals to soft sandy material; **299.5-311.8 m:** mixed light gray gritty quartzite and light brown fine grained siltstone and coarse debris material; abundant 1-2 mm carbonate veins; BCA 45; <1% disseminated pyrite in finer grained gritty sections but 3-5% disseminated in coarser sintervals; finer sections are vuggy (water leached) but coarser sections more competent; **311.8-335.0 m:** coarse debris flow; light gray matrix is moderately calcareous; 3-5% pyrite, locally up to 10%, as fine-medium disseminated grains and coarse aggregates; from 311.8-322.8 m., clast sizes are very large, up to 50-75 mm., and accompanied by abundant fine anastomosing carbonate veins; below 322.8 m., clast sizes are generally < 20 mm., but ocassionally up to 50mm; only minor carbonate veining;	281.0	283.1	45				283.1	284.0	<1	11	<50	58	<10	3.9
			283.1	298.6	100											
			298.6	299.5	45				285.0	286.0	<1	<5	<50	58	<10	4.3
			299.5	301.8	100											
			301.8	302.6	50				287.0	288.0	6	8	<50	53	<10	2.5
			302.6	335.0	100											
									289.0	290.0	4	11	<50	40	<10	2.8
									291.0	292.0	4	<5	<50	61	<10	1.5
									293.0	294.0	3	11	<50	70	<10	2.8
									295.0	296.0	<1	13	<50	51	<10	3.9
									297.0	298.0	6	86	<50	42	<10	3.4
									300.0	301.0	2	5	<50	59	<10	1.5
									303.0	304.0	4	6	<50	113	<10	1.7
									305.0	306.0	1	<5	<50	45	<10	0.3
									307.0	308.0	1	<5	<50	45	<10	0.3
									309.0	310.0	3	6	<50	58	<5	1.3
									311.8	313.0	7	35	<50	56	<5	3.2
									314.0	315.0	2	23	<50	66	<5	1.2
									316.6	318.0	5	<5	<50	64	<5	1
									319.0	320.0	1	6	<50	55	<5	1.1
									321.0	322.0	4	10	<50	40	<5	1.5

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au ppb	Cu ppm	Pb	Zn	As	% S
281.4 continued.....	335.0	2-3% pervasive disseminated pyrite; ground conditions excellent; ocassional soft sandy zones where carbonate matrix may have been leached; **END OF HOLE**							323.0	324.0	<1	15	<50	56	<5	2.5
									325.0	326.0	4	10	<50	64	<5	2.6
									327.0	328.0	3	9	<50	63	<5	2.4
									329.0	330.0	1	8	<50	56	<5	1.7
									331.0	332.0	7	9	<50	55	<5	2
									333.0	334.0	2	33	<50	57	<5	2.5
									334.0	335.0	3	21	<50	56	<5	2.5