# ARCHAEOLOGICAL SURVEY REIN'S NATURE RESERVE, SOUTHERN CAPE COAST.

Prepared for

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γd

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# 1. EXECUTIVE SUMMARY

An archaeological survey of Rein's Nature Reserve on the southern Cape coast has found the area to be rich in archaeological sites. An extensive series of well preserved open station shell middens were found among the frontal dune system along almost the entire length of the 7.5 km sea frontage searched. A number of ancient stonealso assemblage disturbed walled, observed. pebble Lower found. ridges of and cobble beach of the nature tidal deflation basin, 0f Further much Buffelskop inland from the coast earlier stone implements basin, as well as among t (visvywers) associated with overlooking Gouriqua, reserve, among the exposed coastline, were also within Were an Ω

recent pas fishtraps The the Bushman communities living there. traced back at archaeological evidence at Rein's Nature past back at least 400 000 years, until the more st about 350 years ago, when the stone walled and rocky shoreline were still being utilised Reserve

reserve, whice facilities, as is subject to be used to draft a Management Plan for the reserve. The approval of the proposed development plans for the nature Rein's broader þу archaeological Nature Cape Nature comprehensive environmental st Nature Reserve. The results of which as well as an s well as an environmental/education centre, the approval of this Environment Management Vature Conservation. survey also forms study of these studies for the reserve. part commissioned 0 will much

the nature reserve. as the shell mic incorporated into extension of The proposed development plans, which construction of chalets within the Main Rest re. No mitigation the shell middens already Camp C, Will incready disturbed shell mid ready disturbed shell mid therefore the present clubhouse, and the development C, will have a low level impact on some of disturbed shell midden deposits present the management plan implemented for among which also frontal considered necessary, Complex area, dunes include Will the

dunes education centre. exhibited in the environmental/education centre. component the S being being excavated, and recommended, 9 included in This should take the form however, the middens that artefacts form of an among the frontal environmental/ archaeological one or excavated

The envisaged. in particular, as well as possik audiovisual show, (eg video), of production of a pamphlet describing the South Africa in general and of Rein's l particular, as well as possibly the pro eral and of Rein's Nature Reserve as possibly the production of an the excavation, rs H also

0 coastline. included into information addition, shell sites ω middens boards hiking 0 archaeological inte trail along the coas placed strategically and fishtraps located coastline, by interest along could γď some May

If these recommendations are accepted, it first privately-owned nature reserve archaeological protection plan in South ensuring the sustainable development resources as an integral part of management. Н· t would be the to adopt an h Africa, thus of cultural environmental

# INTRODUCTION AND BRIEF

commissioned by Rein's Nature Reserve Pty. Ltd., to undertake an archaeological survey of the proposed nature reserve. for Cultural Resource Management Pty. has been

following: specific issues C C 0,0 addressed include the

- ω systematic archaeological survey Of: the proposed
- interest
- nature reserve;

  2. the identification of sites of archaeological interest that may exist, including their status and significance;

  3. the proposal of measures to protect the archaeological integrity and sustainable development of archaeological integrity and sustainable development. Sites archaeological archaeological
- the proposed nature reserve. an in the proposed nature reserve; and assessment of the buildings describ buildings described as "Ruins"

#### LOCATION

number of inland locations on the originally owned Atomic Energy testing facility of Gouriqua), we presence of archaeological sites. frontage of the properties archaeological sites is about 7.5 shoreline interspersed with pebble Viswatersplaas No. 536. The frontage of the propert Nature Reserve well Buffelshoek properties vegetated comprise the portion k No. 455. frontal dune Energy pebble and cobble beach, combined length of the Langefontein No. were also the Farm system. to Κm, the of three farms Corporation be be searched for comprising a rocky Buffelshoek searched for proposed In addition, 453 nuclear Rein's known the (the and and sea ω

#### THE SURVEY

remains Of characteristic marked. sites made. including presence Nature the nce of archaeological sites (Figure located are described in detail and the The description of the sites include 7.5 Reserve present. sites, the K Of 0 f was systematically foot searched for chaeological sites (Figure 1). All stone and the nature of the sea walled location frontage tidal 0f 0f of the archaeological record of the sites, each the fishtraps, Figure 1). and their site, proposed the the locations Was physical extent Rein's the the

#### RESULIS OF THE SURVEY

## Shell middens

exploiting shellfish. groups represent Africa 0 the visiting ing the a ω ω the Open the best-known accumulation abundant open station shell 20 living ca station Sites Of In the close shell middens may food midden. These sites midden. debris さっ the predominantly also represent from These coast Bushman sites and

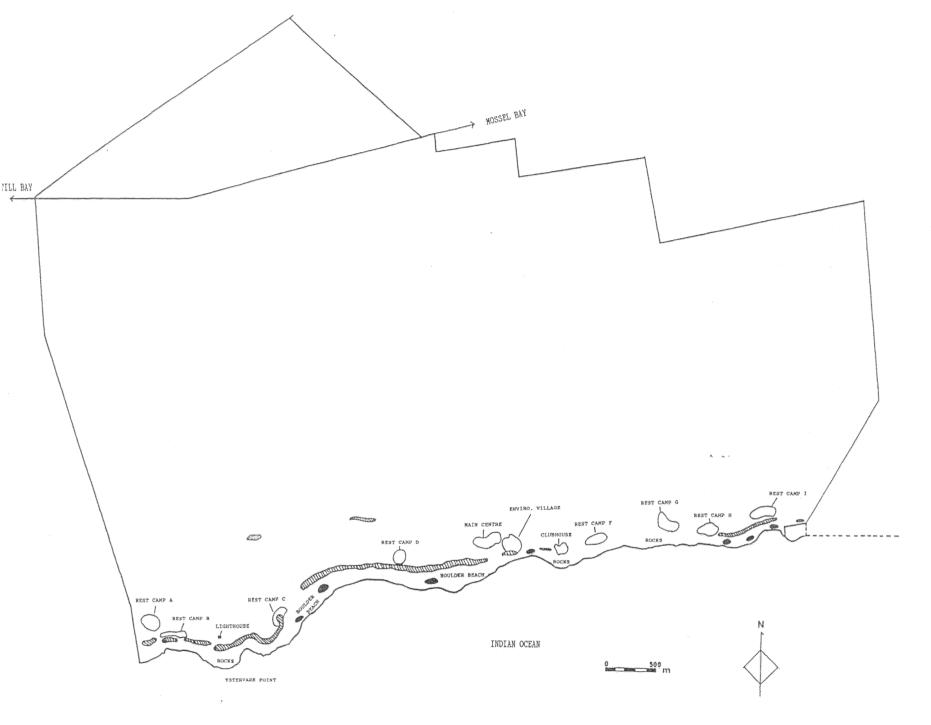


Figure 1. Rein's Nature Reserve: Concentration of archaeological sites.

LEGEND





FISHTRAP

short-term campsites fire-places, etc. Tincluding fishbones, midden deposits. burial small all antelope, are ostrich eggshell, remains are The commonly crayfish, seal, birds, tortoise, and commonly found. Stone tools, pieces and pottery sherds also occur. Human and include remnants of also remains occasionally Of terrestrial found structures animals shel

considerably in size, are, and one or two stone tools. extent vegetated exposed length of the Open station however, and rocky ver, predominantly ocky headlands or and exposed y in size, from hundreds of square metres in several metres deep, to a small pile of shell shell snell middens can be found along the entire South African coastline (Kaplan 1993). They or shorelines, and dune systems. They located 01 or close among

Many o pots. gradually assi (Deacon 1985). suggests that hunters live side by side a South 0 f These findings mark the a south African landscape. to the the assimilated by herders or moved open last station 2000 years after this time, shell middens appearance contain fragments Archaeological may have continued but hunters w ļņ. Of further inland herders into South evidence Afric

The concentrated in three areas Rein's Nature Reserve shell middens (Figure 1). are predominantly

These middens Complex), till a si (Figure 2A-B). The mi frontal dunes which broken environmental extent coastline preserved shell middens can be found along occasionally by road, path and stream c middens are present in varying degrees of village immediately sign marked middens are run parallel wit (part south 0f 'Bosbokbos', at found among the llel with the the O fi stream main the α († coastline, Conference ω cuttings. vegetated Gouriqua proposed density

back also behind the barrier dunes where they have spilled over scatters seaward-facing marginal artefacts, pieces of bones of seal, small scatters exposed found. Of: 0f and ing slopes shell and Many more fragmented and Edoa any more scatters of fragmented substantial, may also be fou y slopes of these frontal dune hell and some stone implements Of ostrich eggshell, and pottery. The antelope and bird (cormorant), were scatters of fragmented shell, both the dune crushed shell, numerous stone cordon dunes. contain found amony found found may 00 abundant found the

adze, Of of quartzite, and comprise unmo (including both utilised and flake blades, split and unmod. Some partially ground pieces (well as one haematite (ochre) including unmodified ochre were also found. cluding flakes, small blades, ut: ze, are made in silcrete. Pieces stone flakes, tools C C these unmodified cobbles, middens unmodified and modified flakes and retouched pieces), large of stone, hammerstones, pencil, and several pie pencil, a...
penci utilised are O f predominantly ostrich pieces), large es, and chunks. pieces stone eggshell and tools, pieces made

black-burnished, grit tempered pottery. several small pieces Of: red and

1). well and the dunes substantial construction of stone S in front of the propos as at the environmental implements, scatter further proposed Of. were fragmented accommodation village site found environmental among and crushed identified lower units (Figure frontal shell for SD

dunes scatters clubhouse ound ers of fragmented shell and some stone tools here, as well as behind the dunes (Figure 1). are 0f the and low proposed environmental and thickly boundary fence vegetated. Yet still Off Couriqua, village, the toward marginal frontal

road which Rein's found indication ŀ cutting can Nature the 9 road. Reserve, clearly at 0f Gouriqua. Storthe richness of the archaeology of is attested by the midden material richness implements out of the archaeology were (coastal) also

the middens are Fragmented seaward shell and side of the coastal road, located among the frontal some stone implements dunes. but the bulk of were found the

periwinkle an their absence. present the shellfish on all the shell middens are consistent. dominant shellfish species, with small amount and north small amount shellfish species. and the shell middens perlemoen. the type Mussels Of are stone conspicuous amounts implements t. Limpets уď Of

present thins disappearing, near fragmented and crushed South Of. out among the considerably ω sign Low a fairly large wetland system. "Bosbokbos" d shell, ar beyond and dune fewer marginal this system. The stone scatters tools, The shell almost are of

plain below. proposed development impact on these large found seaward here. close Some Numerous small marginal scatters of fragmented shell, 59 stone tools can be found Midden material was rd facing slopes of among the thickly v to and and 60. Dune mole rat associated with largely of Rest vegetated disturbed shell also found scattered this large dune, but und above a large sand dune the non habitable dwellings at activity is extensive. The Camp C will have a low level coastal middens fynbos but among none present SEM the

parallel remains, Camps Gouriqua. steeper extending beach marginal second, bends and the both shell and Here beyond large around large higher D middens, round the the coastline. concentration and the and small, well than the lighthouse SPA southern boundary coast the Numerous occur located where O.f. frontal toward both here. ward proposed boundary fend scatters substantial dunes Ystervarkpunt the dunes fence Of nes are cobble Rest and 0 H

Three large such shell remains, stone are clearly visible from the steer and also occurs on top of the steer dominated by dominated by stone sto and unburnished, grit tempered pottery were present. grindstone hammerstones quartzite and several end-scraper cobbles. pieces, winkle and perlemoen. Stone artefacts made of trite are numerous, and include a range of unmodified utilised flakes, flake blades, several retouched chunks, At and were found. Three silcrete adzes, one with retouch, were also found. Ostrich eggshell sherds of black and red-burnished and plain and several single and and were found management flakes, and whole unmodified as wel the steep frontal top of the dunes comprising abundant pottery coastal track, Уď and ostrich eggshell fragmented limpet dunes concentrations double well dunes. Midden (Figure against with one and whole S pecked 2C). some the Of.

cobbles, some ostrich tempered pottery occur. flatten frontal Yet more mar fragmented and including unmodified and modified trakes s, some ostrich eggshell and a few pieces dunes and the toward un marginal above crushed shell can be found unmodified the the and lighthouse. coastal fairly road, extensive Fewer where quartzite stone d flakes, split w pieces of grit among the they scatters finally steep Of

S tempered pottery Remains about 20 metres south of small site on the rocky coastline was situated attest few 0f of large pieces unmodified quartzite flakes and chunks, as large pieces of black burnished and plain, a modern fire, pieces of to in the a much more sherds, lee were found. Off: the existing some recent large rusted metal and beer occupation. boat launch quartzitic found. This A large , as well ain, grit site. rocks

deflated slope, which is littered with These include unmodified and modified altogether. A wide about one metre thick, located in a wind deflated The midden unfortunately will over time become around and deflated eroded and demanded hammerstone. eroded down large and black survey of the most visible shell midden survey is located alongside the from the lighthouse (Figure 2D) found. chunks, and Some damaged, burnished split ostrich eggshell and numerous nished grit tempered pottery s spread of fragmented and and unmodified may middens 2D). The midden consists with eventually ented shell coastal encountered quartzite flakes, stone cobbles, road sherds artefacts. covers pieces of disappear leading further and during shell the ω

these Of knapping or workshop area. flakes (compacted) localised pile of quartzitic stones, and deflation basin, pieces of flaking les, which may be shell 0f concentration. about debris midden, stone on the 10 metres behind the the remains Numerous are n. associated with the southern edge presence unmodified main 0

pieces seen be with settlement hammerstone, unmodified widespread. including u about vegetated. below can O 17) 50 Of 0f band of exposed calcrete. rraymences ad. Nodules of calcrete, stone g unmodified and modified quartzite metres Gouriqua be found among at Ystervarkpunt. cobbles, cobbles, were pottery A marginal but this dune which probably acted as a focus of lighthouse south of upper grindstone, the frontal dunes these ontal dunes are steep extensive scatter of 1 toward the lighthouse, dunes. One such scatter lighthouse, is associate the Fragmented chunks, southern split artefacts, associated fragmented flakes, and wel shell g can be focus of boundar few and n H

non-habitable way till the southern boundary fence of scatters of fragmented shell were also no ephemeral plateau. shell therefore anticipated. above more were located among the steep frontal The The impact of proposed scatters will, however, the marginal impact dwellings scatters ngs (proposed road among of fragmented Rest Rest Camp B), as well the be low. No mitigation vegetated Camp Gouriqua. dunes and W 010 20 all the coastal crushed Small these

fewer found. holiday cottages, non-habitable dwellings, and struc are located here, as well as overgrazing, has meant fewer and less well preserved midden occurrences visibility the dunes dunes Marginal, dune were also discovered among the vegetated on the farm Langefontein No. 453 (Figure 1 are considerably flatter Jud System
Low. T fairly This, at preserved extensive, Gouriqua, he fact and more a, making scatters that vegetated archaeological 0f മ structures fragmented ed frontal 1) number These were that

dominate the shellfish composition. flakes eroding Midden material chunks at including from a the were northern small can found. unmodified flakes, Эф cutting, found boundary Fragmented on the about Of some split cobbles and crushed limpets Langefontein. surface, ω metre from Stone the

Of The grindstone, Fragmented shell cottages northern about where found among impact of these scattered shell coastline. As a result no mitigation is considered necessary. scone, can be found among a rai 20 metres north of non-habitable ω more cluster of non-habitar are located. Dune mode, especially in the boundary these can thin These and stone tools including a broken upper 90 lower frontal fence scatters clusters of and stone non-habitable bus found scatters O fi Langefontein 0f of cottages and dwellings remains is considered to dunes fragmented are buildings raised s along this stretch located from the ein until Neliesgif, ildings and holiday activity sed pebble bodwelling No. shell quite beach 14.

and cottage cutting Midden material further No. along 22, this midden can also the stretch frontal occurrences рe of coastline. seen in dunes Were are the Located heavily sections Beyond vegetated holiday 0 road

#### Open-air sites without shell

pottery without one materials for making stone tools. fairly found frontal locations generally Coastal often referred to as deflated sites. They are also along exposed mountain ridges. large other large in extent, with arteractions and beads scattered widely. Coast shell may also include quarry or shell may also include went to open interpreted as are usually S unat une Stone found bet es '' with artefacts including are not that between shell midden Age. are associated Age. These open Coastal They dunes 40 manufacturing are usually obtain open 07 sdunp open stone behind sites with air are

deflated ha deflation basin among thatch and an outcropping calcrete. The stone tools found are Middle Stone Age a Early Stone Age in character, and include both large a small unmodified flakes (some with faceted platforms), were found scattered about the plateau on this disturbed site, while the bulk of stone is associated within the Two possible three coast utilised such ted basin, line behind crudely fairly upper grindstone open-air the large implements, summing the implements in the implements in the implements in the implementation in the implements in the implementation in the the coastal plateau, about 500 metr sites assemblage lighthouse. was also found. were found metres is associated within the 0 f cleavers, tres inland from the A few stone implements all stone and at In Gouriqua within implements quartzite. choppers ω (Figure wind and One Was and and Of

There have also been a reduce wind erosi erecting shade cloth. This to this site site. has been erosion rate attempts disturbed, activity 0f has the within the caused further loose however the deflation coastal sandy attested disturbance soils plateau. basin γď

quartzitic rocas quartzitic rocas Gouriqua (Figure 1). Gound, including large second irregular core. open-air D Some site the few rearly Stone Age imple crudely struck flakes, mountain Was Early Stone located ridge among overlooking implements exposed and

#### Fishtraps (visvywers)

MO south while bays situations. walls gently metres. enclosures walled Visvywers ys with an abundance of loose boulders. T size from a few metres in diameter to a res. The low piled stone wall. areas their sloping seaward sides and almost vertical interior coast thus entry of fish at hi heir exit at low tide was 40 extending from the ensure complexes catches stone walls are assembled comprise at high tide high water through a prevented. several consist Was mark range as much as 100 The dams range 0 A facilitated to springlow-energy tiers 0 number stone With 0f Of

broad term referring

<sup>21</sup> De | broad term referring to a period between 400 000 years and 20 000 years ago term referring to a period between 2.5 million and 400 000 years ago

the mainly by catches to fishtraps effectively like invented Archaeologists fishbone 1975;). lived have have Tidal coast example at Still Bay and Cape Agulhas. Archaeologists proposed that the concept of tidal fishtraps may originated among Later Stone Age<sup>3</sup> (LSA) people who at the coast some time after 2000 years ago (Avery some at the coursel). Archaeological open fishtraps families maintaining y exploit large quantities of versions of fishtraps at suitable (Goodwin 1946). "Ownership" of has continued through to the Ω the present day. than station fishing have therefore concluded that have deposits of been recorded on method deposits the devices that attributed Age<sup>3</sup> (LSA, 5 2000 years ag greater the historic contain enabled vertebrate fish the some locations some south and achieving south LSA people antiquity. far them the along coast more

condition. Three of several tiers of encl Gouriqua. associated located (Figure n stretch of coastli Figure 1 and Figure sociated with the cated within the tiers of enclosures, si the south at Still Bay. nine The walls coastline surveyed at nd Figure 3A-D). Th tidal the pebble and cobble beach the farm Langefontein and of most fishtraps were generally they the fishtraps O f and cobble similar them have been washed flat they are in a fairly good They Located Rein's ω († ct O beach. Three and six w Gouriqua comprise co tidal fishtraps are Nature Reserve along all the clear within Were ΛŢ

#### RUINS

assessed. All the the proposed buildings desco described as Nature Reserve "Ruins" were on the the properties provisionally

remains is comp and is completely destroyed, with only the remaining. "Ruin" No. 57 is badly dan collapsed and only three incomplete building are in "Ruin" architectural a poor roof of " Nos. ω 57 and 58 on the farm Buffelshoek r state of disrepair. Apart from the partial wall on "Ruin" No. 58, this "Ruin" integrity. standing, thus retaining No. 50 has damaged; the collapsed, walls 58, this building foundation floor 148 the roof remain. structure NO. but standing has

collapsed, but the wardenest building bricks materials has however, Langefontein architectural house. "Ruin" "Ruin" remaining No. No. L) Z0. has only three walls J.s integrity. s a the "Ruins" 453 more recent building. walls are still sta walls ks have reduced "Ruin" The are been its historical value. No. use located used remaining of modern ¢0 standing. C construct The retained and no roof building Modern Modern roof. has its

 $<sup>\</sup>omega$ 5broad term referring to the last 20 000 years of early history

with constructed with little architectural integrity. either completely "Ruin" Nos. 57, considered to be roofs and 57, conservation worthy. walls destroyed, in a k walls collapsed, 58, <u>ب</u> نــا 13, n worthy. These in a bad state 25, NO 27 and fairly buildings are e of disrepair ယ လ recently are not

qualify a major historical buildings on the "Ruins" part of their architectural for proposed conservation at Nos. proposed conservation attention. 53 and 10 respective are the integrity farms. best examples They and should retain Of

proposed res Buffelshoek | Langefontein and are National Monuments restoration assessed much protected by 1969 as amen Although commence. ton do further not amended), the "Ruin of such historical all restoration ek No. 455 by permit No. buildings that the National 1 retain attention. Yo. 453, however, should qualified specialists. ermit will need to be 453, Council before much and "Ruin" No. "Ruins" Most architectural Monuments Act are older than 50 significance 0f on Rein's them are should restoration be No. obtained 52 10 П be surveyed (Act integrity. Ω Ω Nature badly on the addition, 6 No. Years No. 28 from the Reserve damaged allowed warrant farm and farm are 8 of Any

#### DISCUSSION

The Bushman about archaeology at 350 least 400 000 years, until the 350 years ago when Stone Age and KhoiKhoi herders inhabited th 0 f Rein's Nature Reserve the more hunter-gatherer region. can be recent traced past

Ages foundations therefore located in the survey.
buried by recent wi fact population a t Gouriqua was that be exercised when excavating bu and undertaking construction activities. only two sites density wind-blown probably during Other early sites may dating the low. This sands. Early This is to this and Middle Caution period were attested however be building should Stone

of a short Age midden 0f format this resources after formed along the Bushman shell stretch of coastline. time middens the ion of the many shell middens, and the construction large number of tidal fishtraps in a relatively sometime nature formation gently middens SPA hunter-gatherers reserve, likely 2000 years ago. Population density probably quite high, resulting i after shelving rocky coastline, located reflecting represent a cont lecting sustained 2000 as among years ago, when Later inhabited the region. the S continuous the tidal frontal use were 1 Later but 0f dune series me system fishtraps probably L L coastal after Of

particularly inhabitants, the presence ostrich range of shell eggshell, at middens, limpets, v stone Gouriqua and implements, strongly were the seal, after remains predominantly exploited l, small antelope, torto point and 2000 of clay cultural to Ω years. Later stod finds tortoise Shellfish, Stone found SUCD Age the C C

practiced. Activities such as marine foods, and terrestrial fishing, gathering, yrrang birds grinding were 0 H) and preparing of also animals, consumed. were

ostrich eggshell may be parts of broken water containers, or raw material for making beads. Pots were used to store water, food, and for cooking. Thatch, and reed from the performed. This is true implements and flaking debris sites, which reflect plan wetlands, freshwater streams in the area, and from the Gouriqua windbreaks. processing, artefacts manufacture hunter-gatherers may have S S Abundant and well, 0f wood working stone Deen clear fresh were plant tools, from used water some of the dai some present on the shell t food process. Ω t<sub>o</sub> food processing, activities. Piec number was constructs available Of. wetlands daily springs Pieces huts † 0 midden wooden stone tasks meat

### RECOMMENDATIONS

groups the fol development Gouriqua is promote sustain the Reserve management following recommendations to the environmental awareness which archaeological resources envisaged. The aim of the centre of plan nature reserve. will an WILL environmental/educational include 0 0 implemented at are made. It measures among visitors and school t is in this context that present 40 Rein's protect Will there. centre Nature The and to

t is recommended that:

photographs, environmental/educational excavated, One 70 two of and the drawings, glass-covered the the excavated and centre. shell maps display middens artefacts, 0f the cabinets ω († excavation, Gouriqua along J. with 90 90

middens dated. undertaken close southern tructures excavation association The excavation of one or may Cape in Were hold coast South Africa. Thus the visy coast have not been directly Of built with stratified midden with tidal fishtr clues S 0 two of the Gouriqua shell to why and when these fishtraps the visvywers of deposits and has Or not in securely been such the

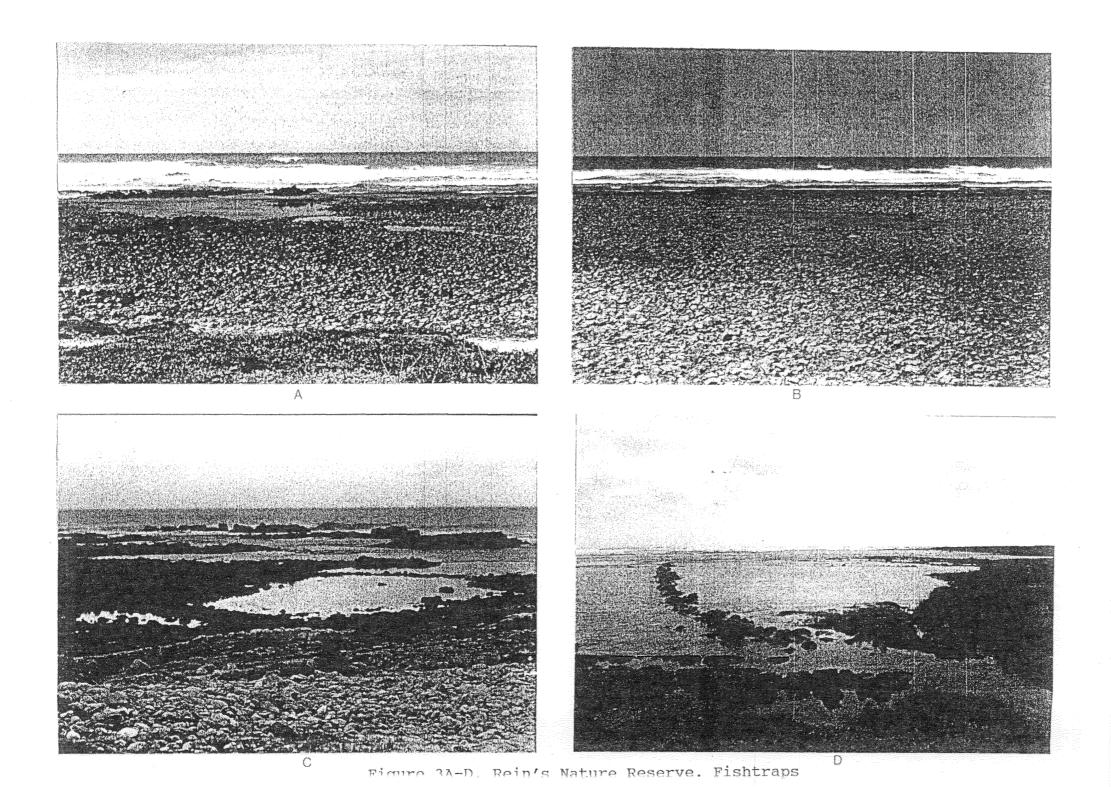
- particular, focussing on the and the hunter-gatherers of the South pamphlet Africa in general, be produced and of describing early history area. Rein's the Nature archaeology of ure Reserve in 0f Gouriqua
- 3. An audiovisual, (eg video or excavation be made, to environmental/educational centre. audiovisual, slide-tape 9 used show) 0 f the the
- along to of the hiking 9 placed Archaeological this trail strategically route. This w route. Th along the Sites and will coast and that fishtraps. close 0 further interest † 0 fishtraps ensure information 0 included the and protection middens boards

- as part or hiking trail. The Figure an 2D open-air shell midden be preserved and protected ir exhibit, and included in the exhibit,
- must be may impact on If burials ar clubhouse environmental Activities called onto site and are human the village, such uncovered, a professional archaeolo nto site to intervene where necessary. proposed 20 burials the the development proposed buried proposed professional beneath development extension Of archaeologist Rest the surface Camp 0 0 the Ç
- 0 the considered to be low. include impacts Long-term present archaeological the 0 F) these plans on proposed Rest study proposed development plans Terms of Reference) should impact Camps for example, archaeological deposita (not are however, included
- importance Rein's 0f 0f archaeological protecting Nature Reserve them. sites personnel ţţ the 90 informed of area, and the the
- proposed. personnel, surveyed "Ruin" "Ruin" No. and 10 No. should CD assessed 52 the 01 plans farm the ÝФ 0 Langefontein farm National restore Buffelshoek these Monuments buildings No. should be Council D D
- are 28 c environmental e protected Finally, SD management plan that arcl by the National Monuments amended) should (Appendix 1). 90 that acknowledged in t archaeological ments Council (A (Act No. sites

#### CONCLUSION

protection Reserve. Coupled with offers The excavation and display environmental/educational c information rich ω cultural unique Of environmental edu accessible archaeological opportunity **d**0 centre at unity to education, of the excavated sites area v Rein's Nature numbers make an will appreciation artefacts archaeological Rein's Of ensure Reserve people. Nature the Of,

the resources ensuring management. archaeological the first recommendations the SD privately-owned protection sustainable an integral proposed are plan nature development part of j. accepted reserve South Of: environmental Africa, († 0 Hadopt would be cultural thus an



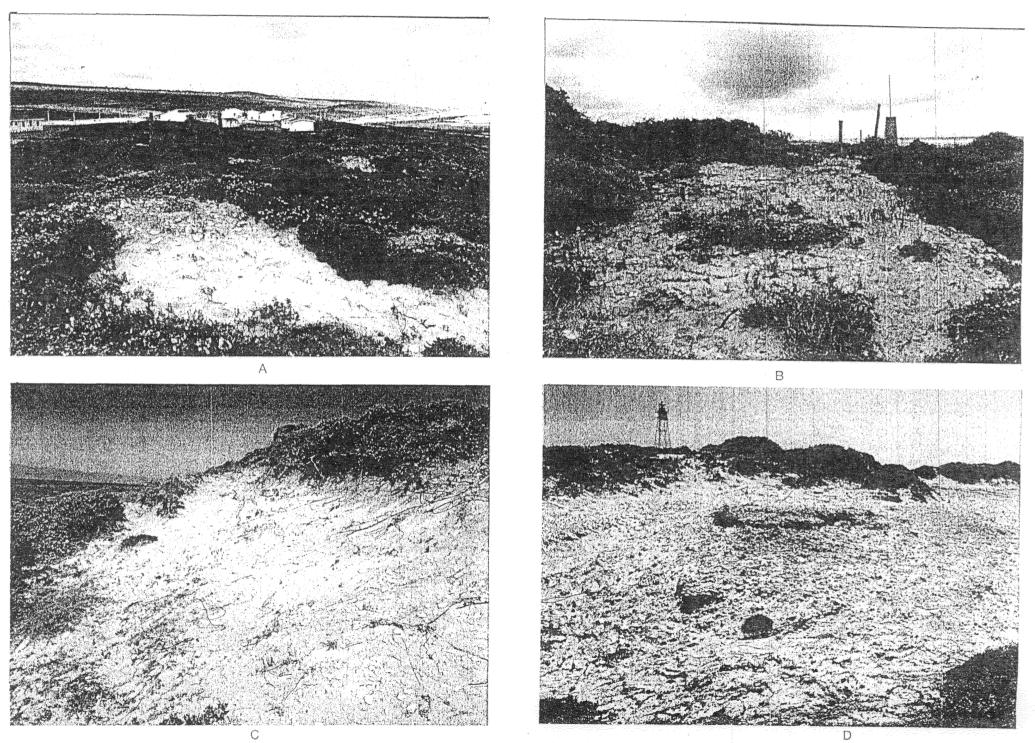


Figure 2A-D. Rein's Nature Reserve: Shell middens.

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Southern African prehistory and 328. Rotterdam, Balkema. Deacon, J. descendants 4 J. 1984. southern Later Stone Africa. Age In palaeonvironments: people Klein, R and 9 their 221ed.

Goodwin, A. J. H. 1946. Prehistoric South Africa. Antiquity 20:1-8. fishing methods İŋ

The West. Oura. Kaplan, in the Agency Department coastal ч. 1993. for zone The of Environmental Cultural Resource from the Resource of archaeological Orange Affairs Management. River and さ information Ponto Tourism. Riebeek Q O