研究成果 Findings of Research projects

環境變遷的研究

2002年3月中國科學院地質與地球物理研究所 的專家實地考察診下的發展現場,在兩部份發展區 行系就体末採集,配合用光年代測定,以地球化學 和物理學的研究方法,分析诊下兩部發展區的環境變 響。此外,2002年7月展開累數變化的研究,透過早 期的能烹服了,地質研究,觀探和土壤成份等分析, 實證違此的地理環境的形成和演變。



利用模探工具採集土壤樣本 Collecting soil samples by the hand auger 研究結果顯示之新世初期的沙下及那近地區尚 未經歷海段,除地接速至半湖及泻丙洲一帶。至肝今 約八千至六千年時,專平圓開始上昇,诊下還述的北 部逐漸形成上昇沙堤,亦是埋藏大部份史前文化堆積 的地區。玉瓦今約三千三百至二千九百年,專平面斷 續上月,專水流沒沙下還是南部的略份地區,與灘江 積約覆蓋還是南部原水,長還面內陶器和石器。至難 今約二千九百至二千三百年,專平面遂漏一降,還进 大部份的處處愛成降地,形成現今的將序線。

研究員於反方內採集樣本 Collecting samples at a trench

Investigating the Environmental Changes

In March 2002, expens from the Institutes of Goology and Goophysics of the Chinese Arademy of Sciences impacts the excavation area and collected samples systematically at the southern part of the Sha Ha site. The experts analyzed the environmental changes at the southern part of the site using the methodology of goodcensitry and geophysics together with the results of the Optical Stimulated Luminescence ching method. In July 2002,



another research project was

Results of both projects revealed that the Sha Ha site and its surroundings, which were once connected with Yeung Chau

and Kau Sai Chan by land, had not yet experienced the transpression of the Early Holccens, Around X0X0 to 6,0X0 years ago, the sai level legan to rise. A raied andhar was formed at the northern part of the sir, in which most prehistoric cultural departs were located. About 3,300 to 2,900 years ago, the southern part of the site locanse partially submerged, covering the pettery and store implements led by the early inhabitants with morizon is applied to 2,900 years are observed. The sea local mandhally recodel. The transpreto 2,200 years are, was local mandhally recoded. The transpre-

coastline was formed with most of the Sha Ha site turning into

terrain.



考古學家討論田野發掘的進度 Archaeologists discussing the excavation proc

從探方剖面的不同文化層採集主壤標本 Collecting soil samples of different cultural layers from a sect