116° E
117° E
118° E
119° E
120° E
121° E
122° E
123° E
124° E
42° N
41° N
40° N
39° N
38° N
37° N
N
Number of Samples
200
180
160
140
120
100
80
60
40
20
0
100
200
300
400
500
600
700
800
900
1000
1100
1430
Pollen count (grains)
Xiaolinghe
Daling he
Liaohe
Daliaohe
Daqinghe
Yongdinghe
Luanhe
Haihe
Nanpaishuihe
Yellow River
Xiaoqinghe
Mihe
Bailanghe
Yuhe
Weihe
Jiaolaihe
Concentration
(grains/g)
41 - 2320
2320 - 5962
5962 - 13298
13298 - 24149
24149 - 91352
Kilometers
0
65
130

116° E
117° E
118° E
119° E
120° E
121° E
122° E
123° E
42° N
41° N
40° N
39° N
38° N
37° N
N
Bohai Sea
China
East China Sea
DGKS-9602
MD98-2194
Dalinghe
Xiaolinghe
Liaohe
Daliaohe
Liaodong Bay
Daqinghe
Liaodong Peninsula
Luanhe
Yongdinghe
Haihe
Central Basin
Bohai Bay
Laotieshan Channel
Nanpaishuihe
Bohai Strait
Laizhou Bay
Shandong Peninsula
Yellow River
Xiaoqinghe
Mihe
Bailanghe
Yuhe
Weihe
Jiaolaihe
Sampling code of different area
SP
JYBY
TJB
JNB
LZW
C
Alluvial samples
0 50 100
Kilometers
Water depth (m)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-300
No vegetation
Broadleaf Forests
Cultivated Vegetation
Grasslands
Meadows
Steppes
Marshes
Needleleaf Forests
Needleleaf and Broadleaf Mixed Forests
Scrubs