

تقرير حالة البيئة في مصر

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شكر وتقدير

يسرني أن أتوجه بالشكر لكل من ساهم في إصدار هذا التقرير سواء كان من العاملين بالوزارة أو الوزارات والمؤسسات الأخرى أو الخبراء الذين ساهموا في إعداد الفصول المختلفة للتقرير وكذلك برنامج الأمم المتحدة للبيئة UNEP ممثلاً في الشبكة الإفريقية للمعلومات البيئية AEIN والبرنامج الدنماركي للدعم القطاعي للبيئة ESP علي الجهود المتميزة التي قدموها لإنجاز هذا التقرير. وأخص بالشكر الأستاذ الدكتور مصطفى كمال طلبة على توجيهاته القيمة وإشرافه على إعداد التقرير.

والله موفق.

وزير الدولة لشئون البيئة


مهندس / ماجد جورج إلياس

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وزير الدولة لشئون البيئة



مهندس / ماجد جورج إلياس



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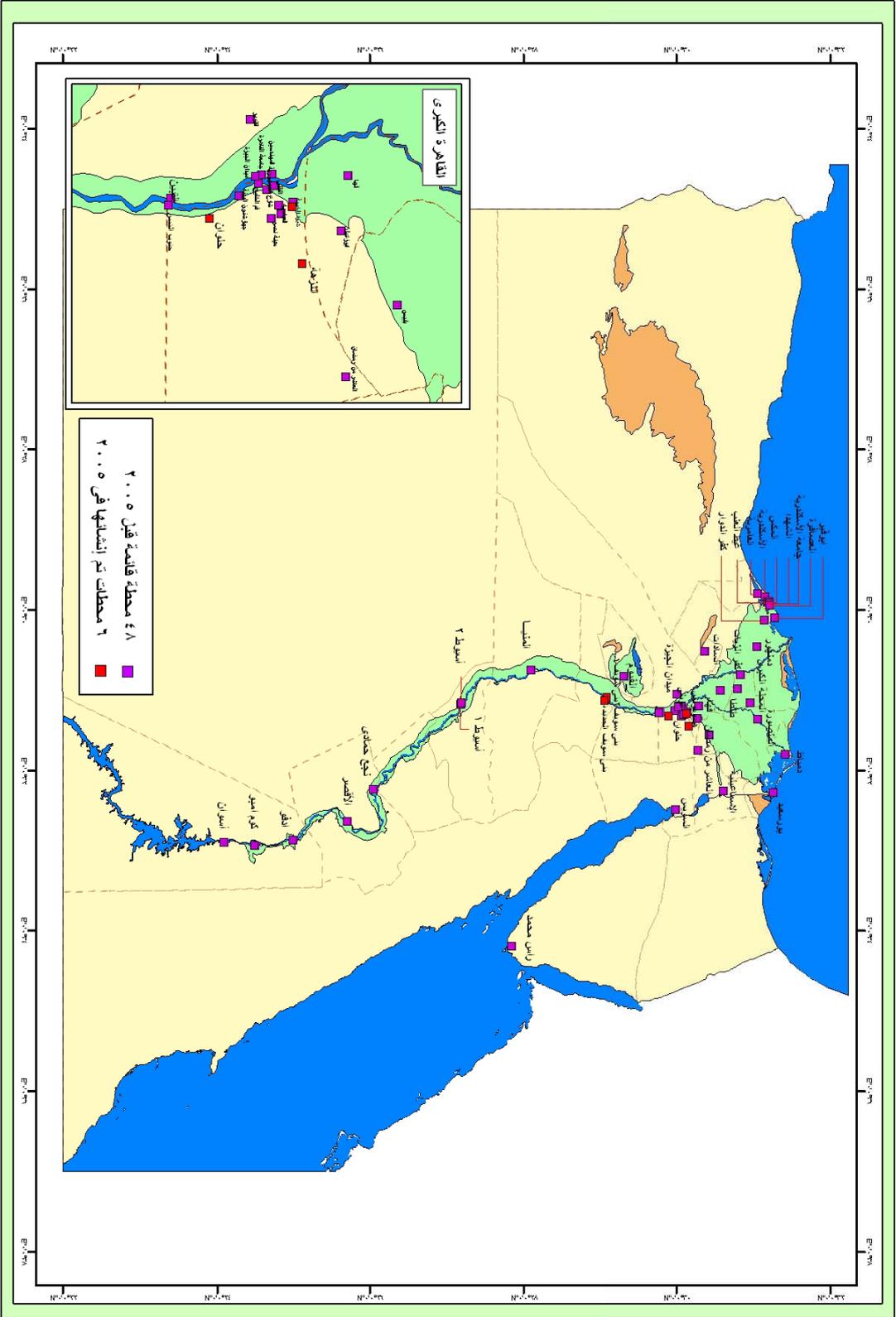
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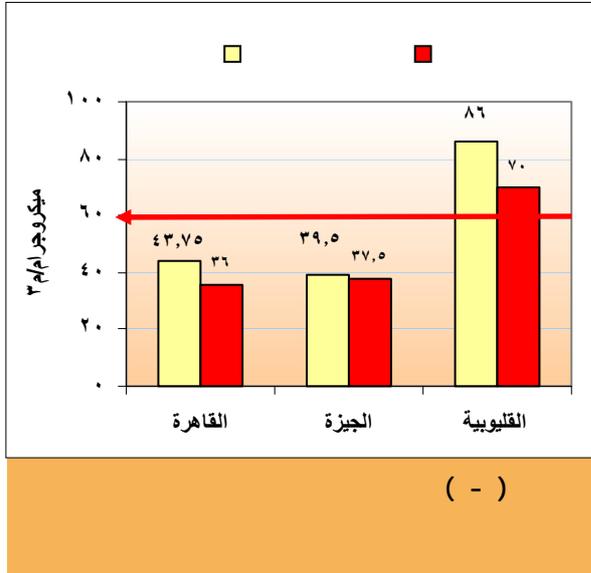
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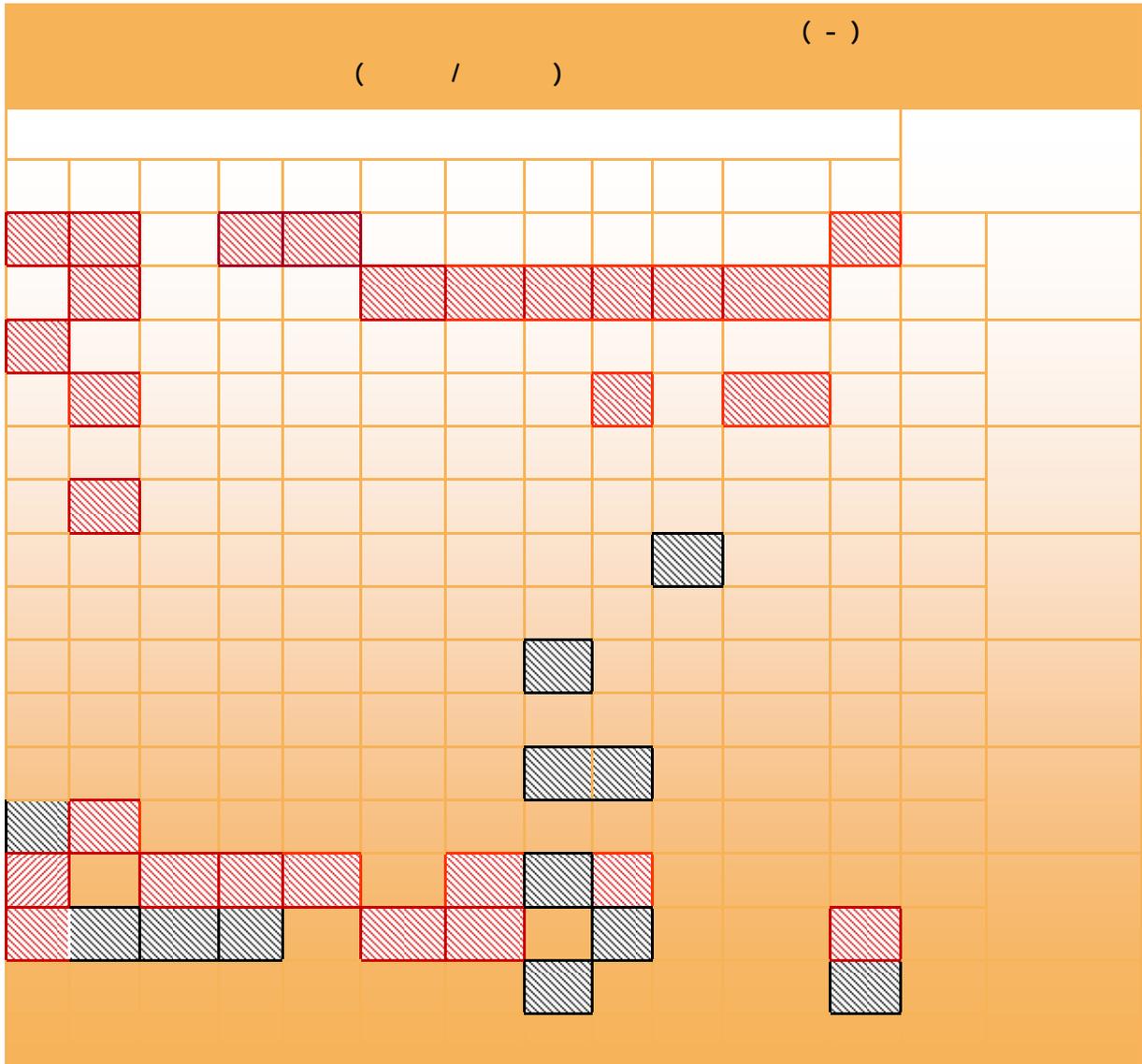
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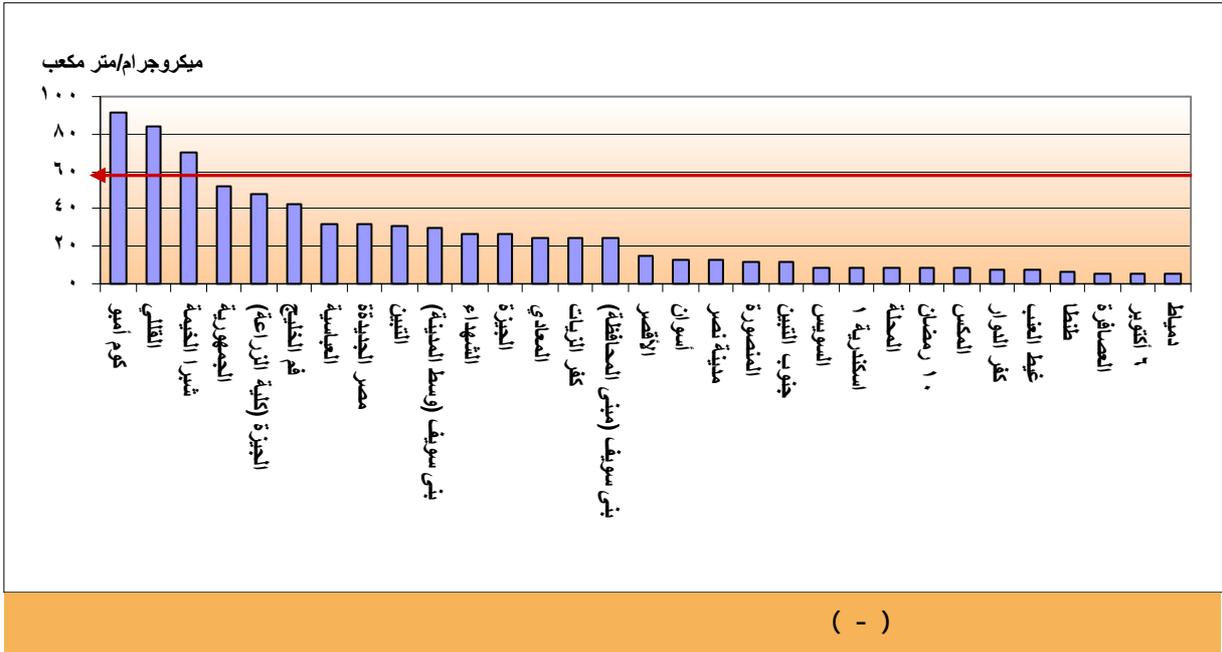
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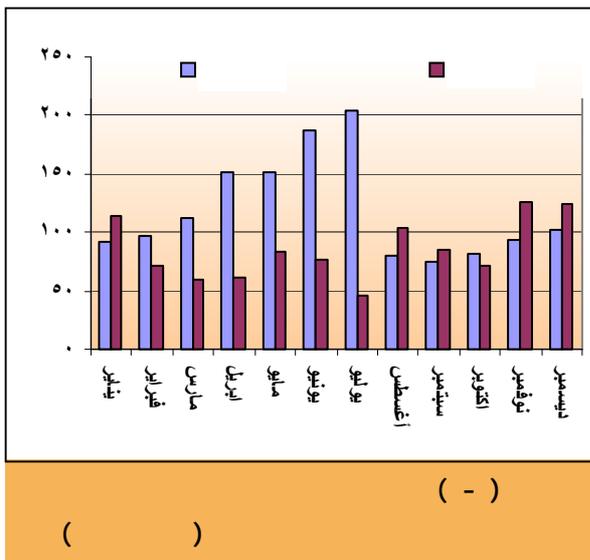


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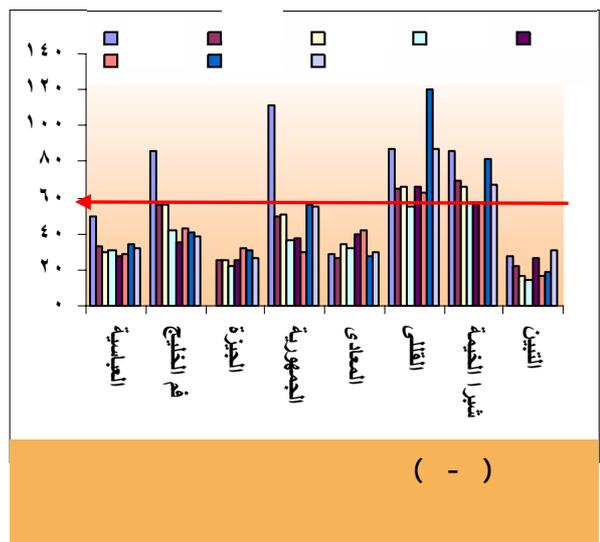
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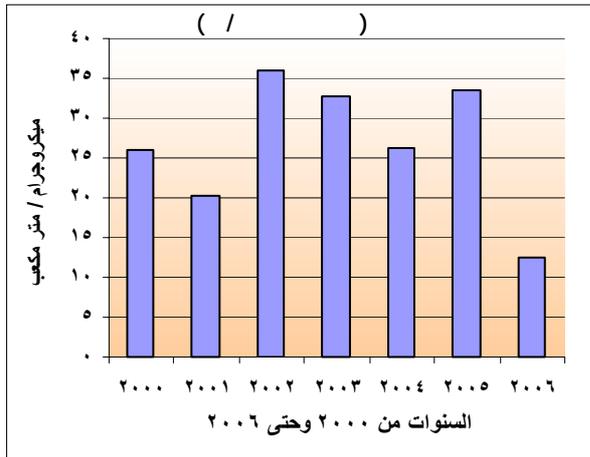


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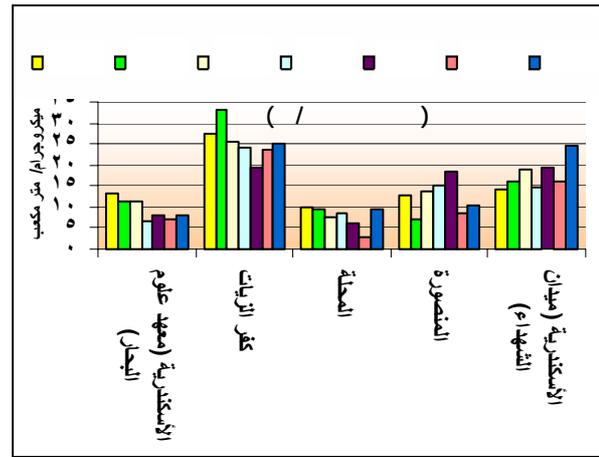
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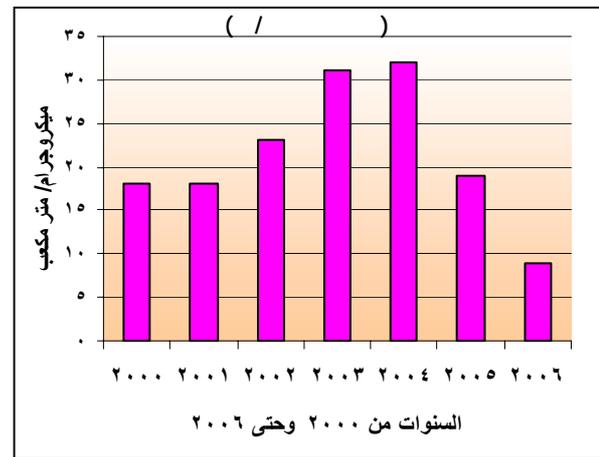
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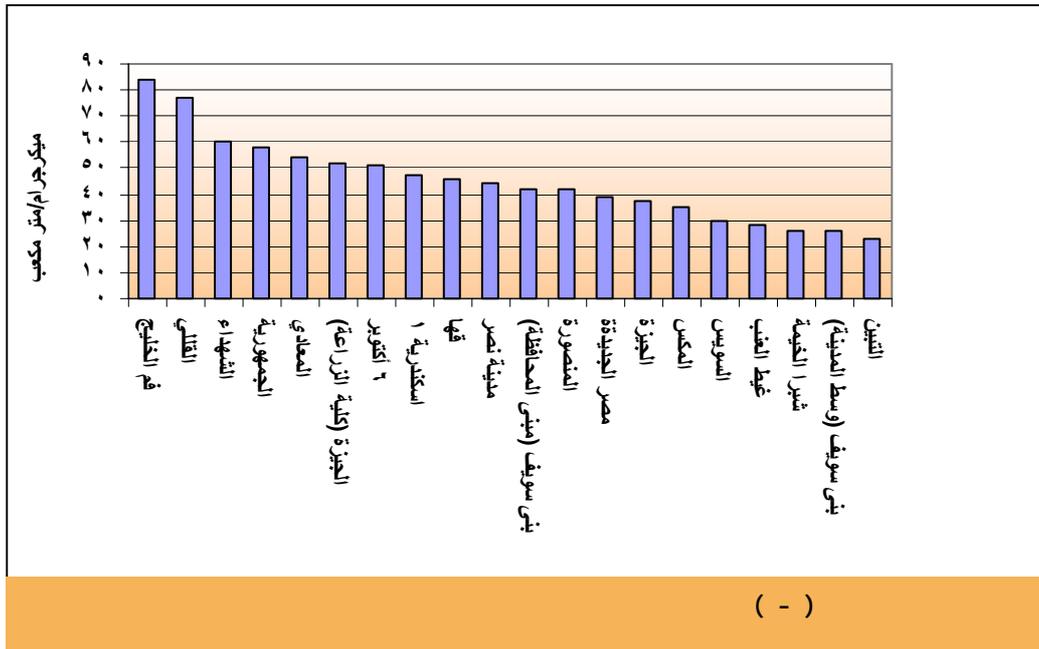
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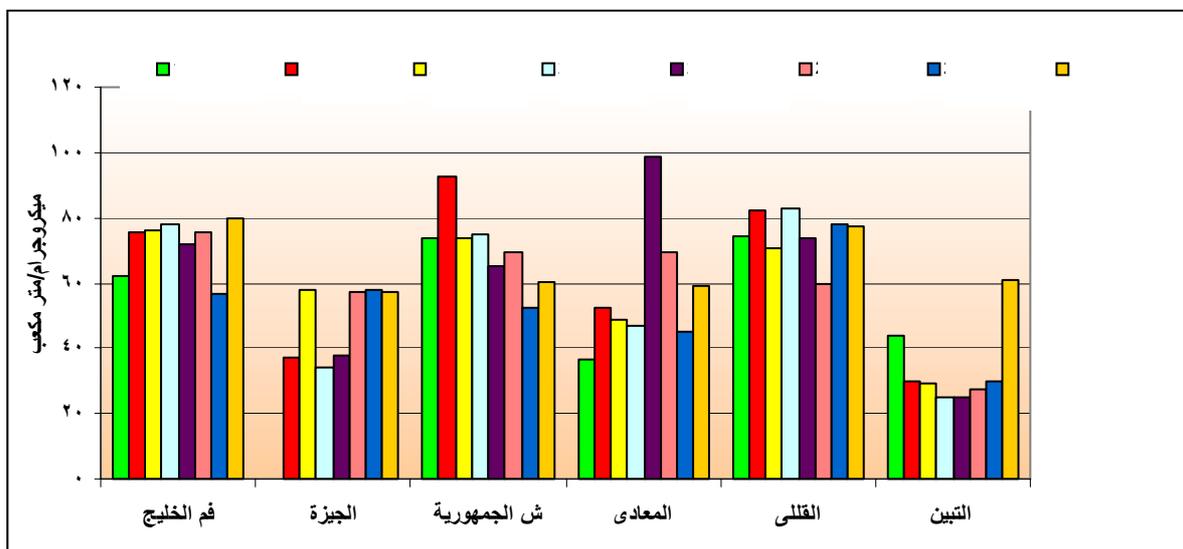
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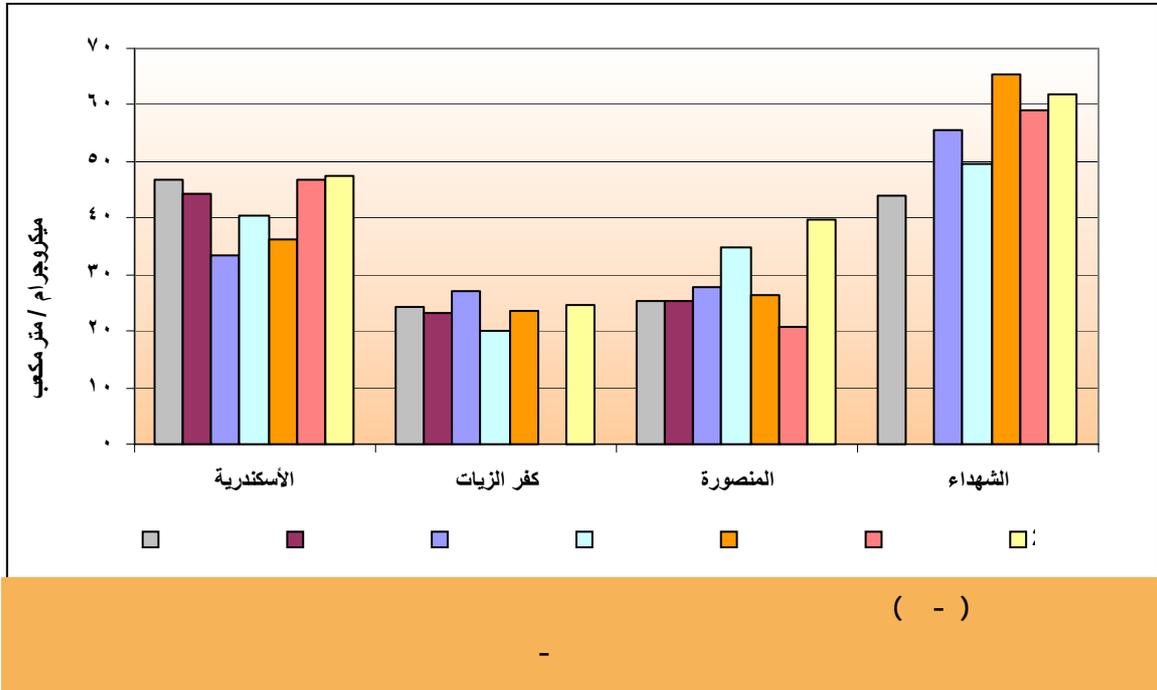
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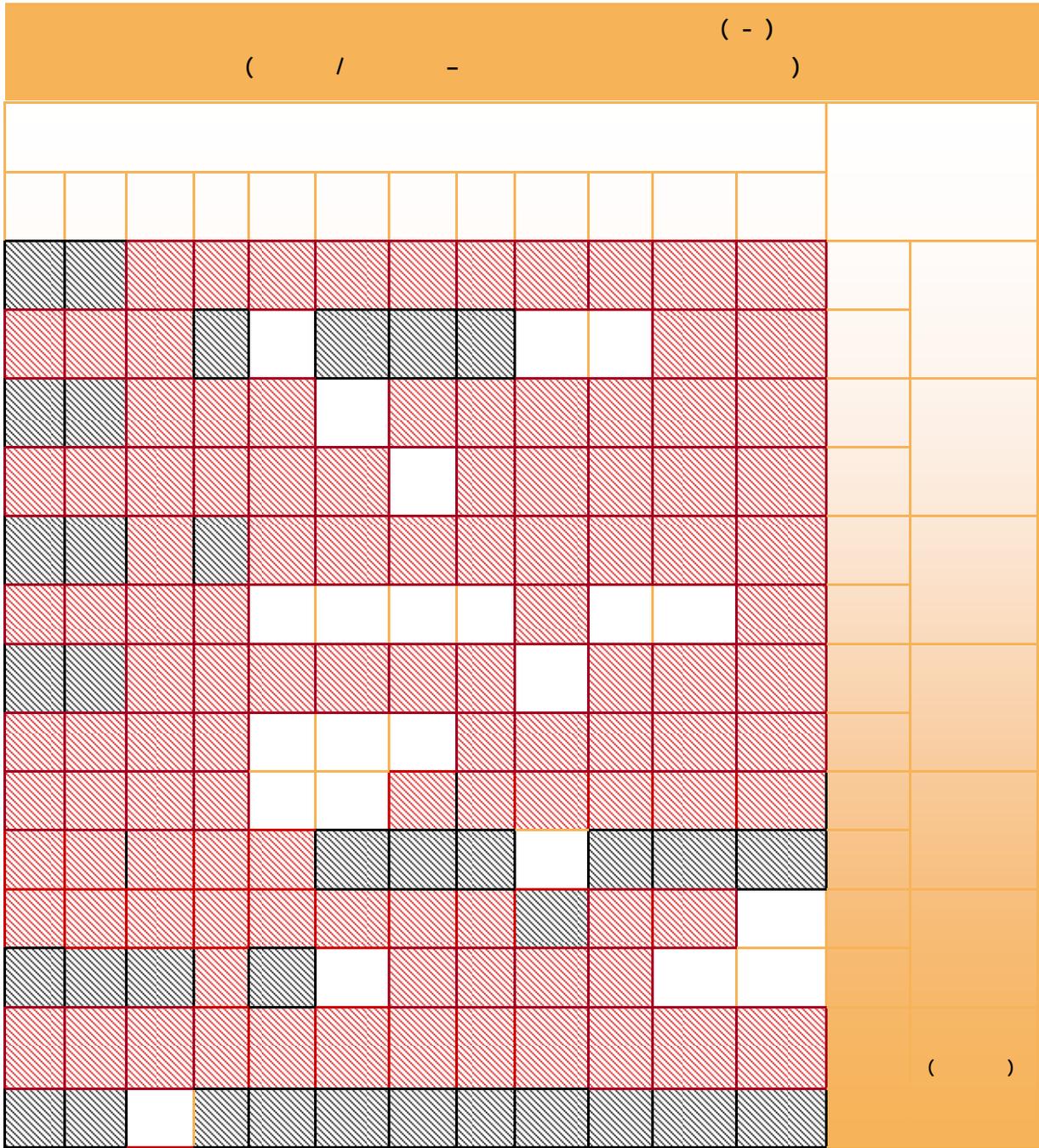
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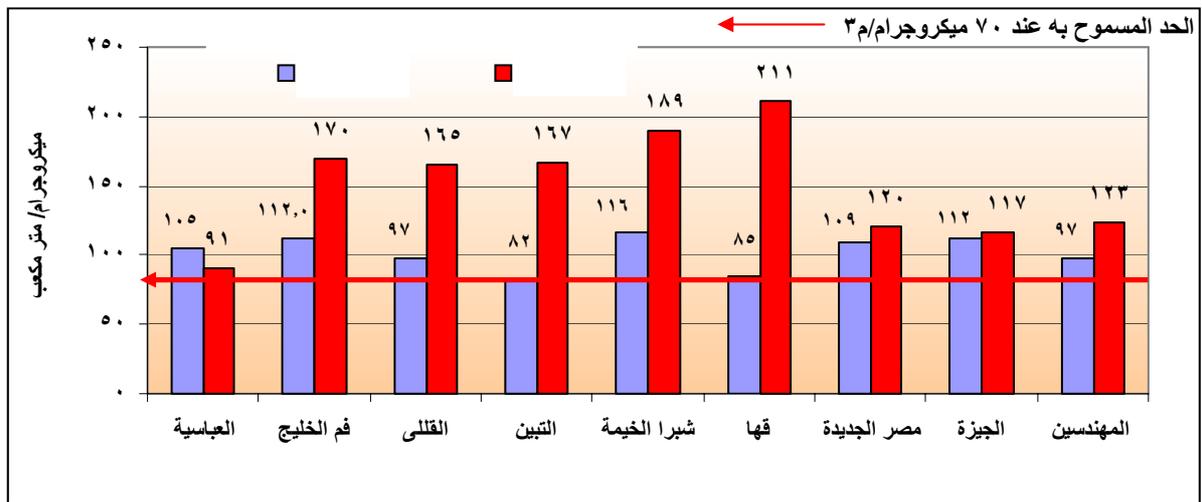
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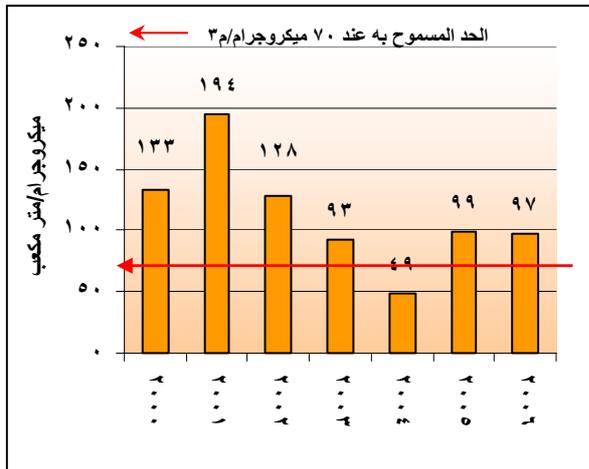
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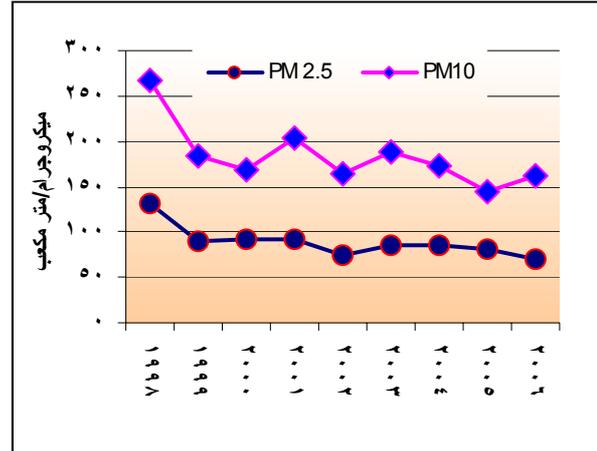
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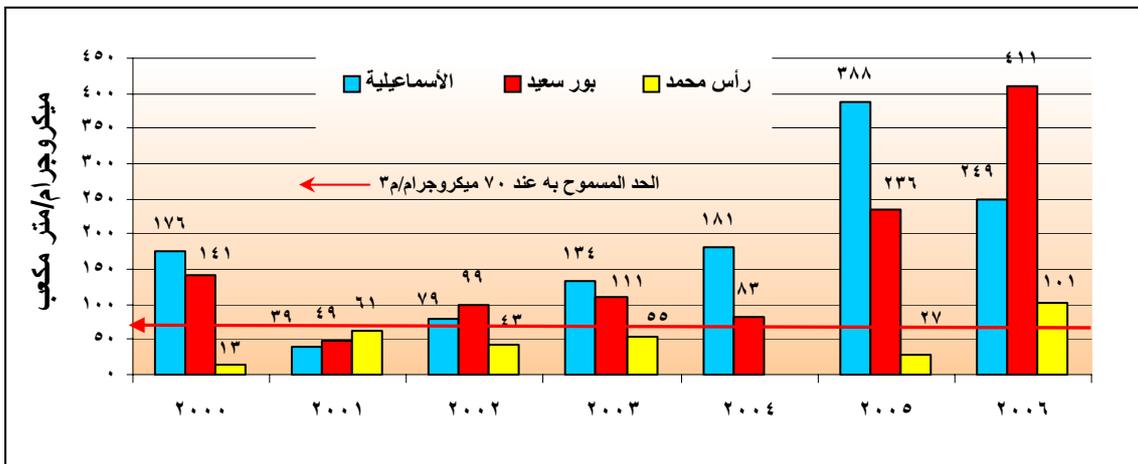


شكل رقم (١٣-١) المتوسط السنوي للأتربة الصخرية العالقة حتى ١٠ ميكرون في محطة الإسكندرية من ٢٠٠٠ وحتى ٢٠٠٦

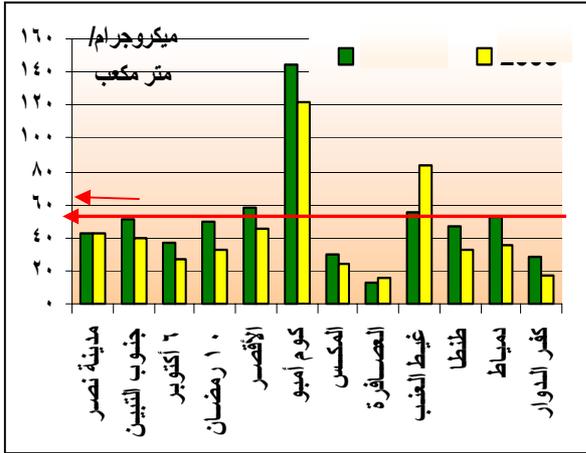


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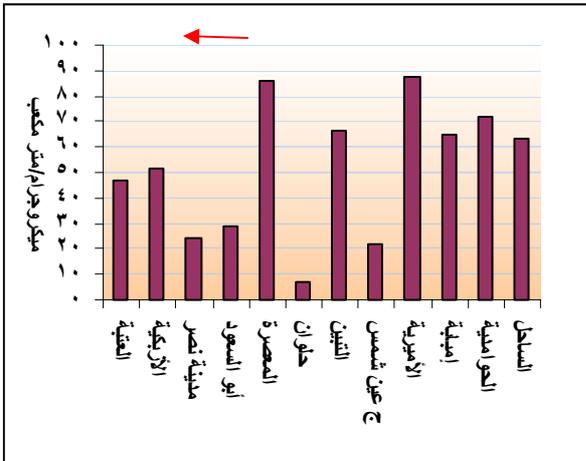
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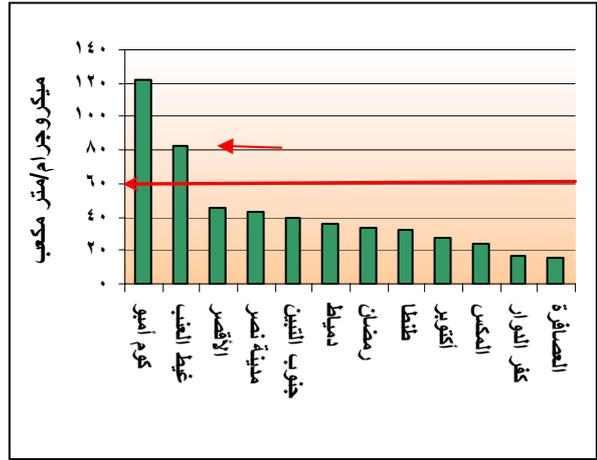
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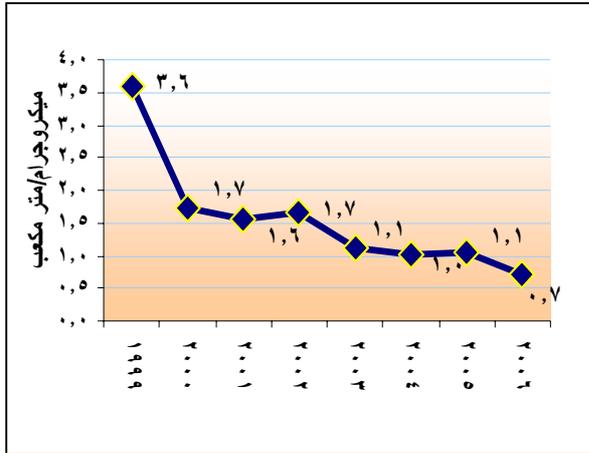


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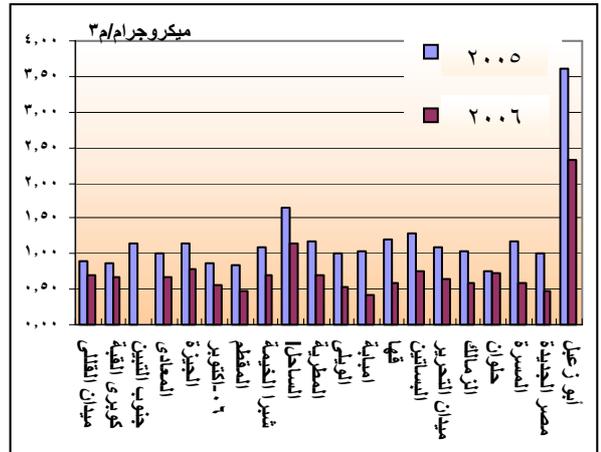
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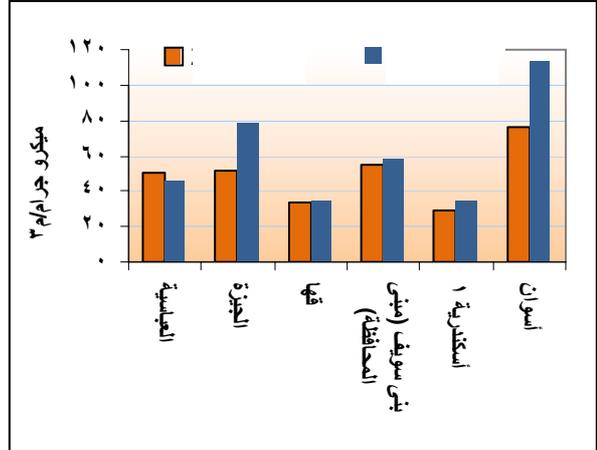
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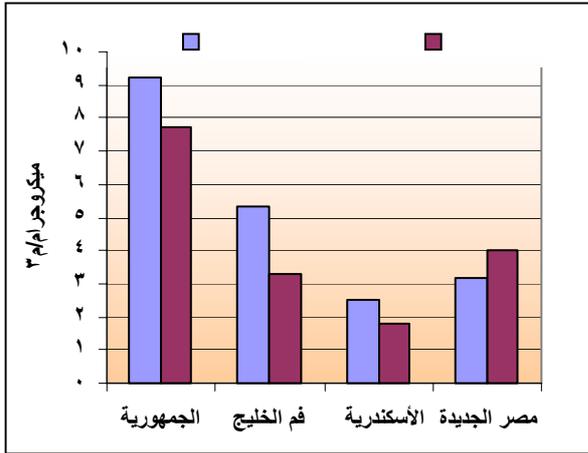
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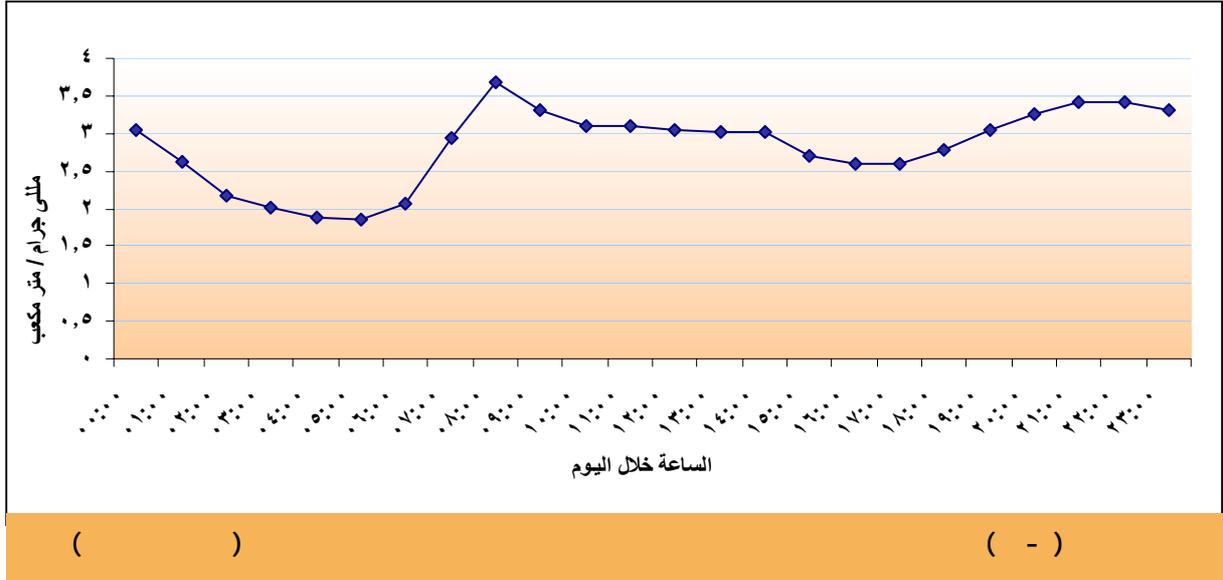


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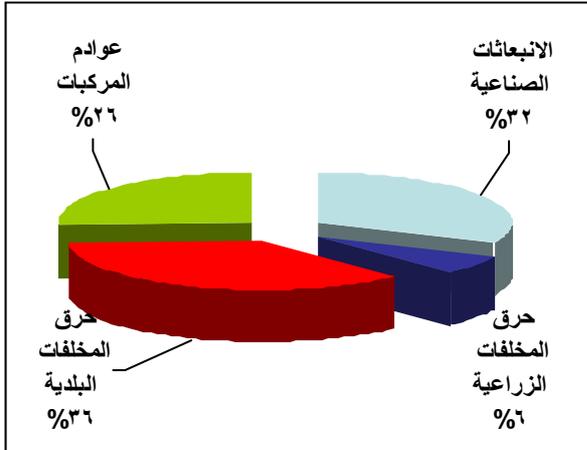
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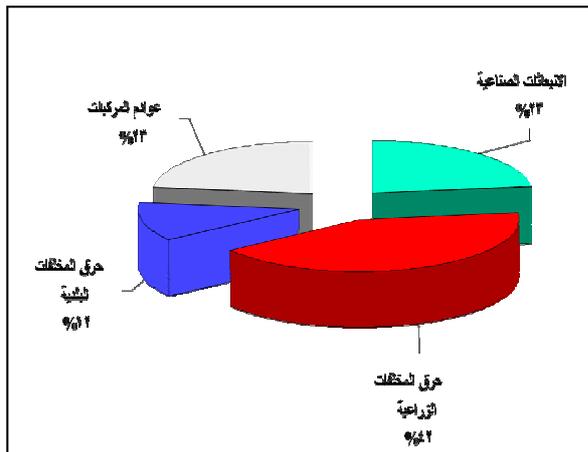
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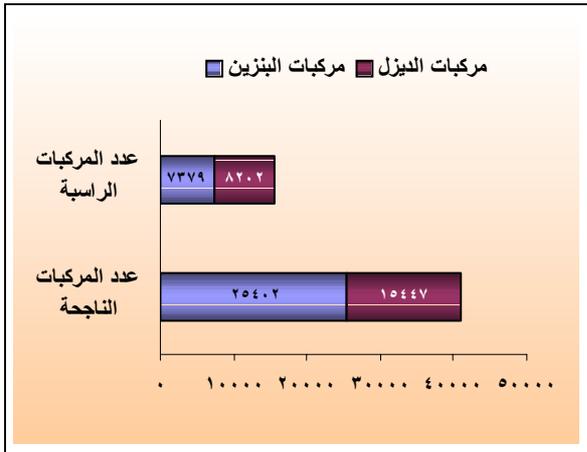
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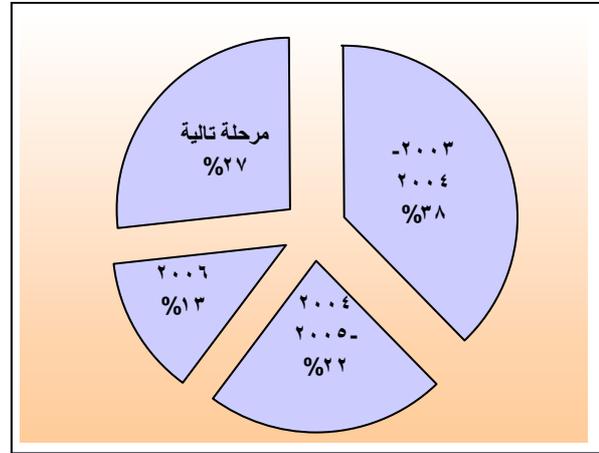


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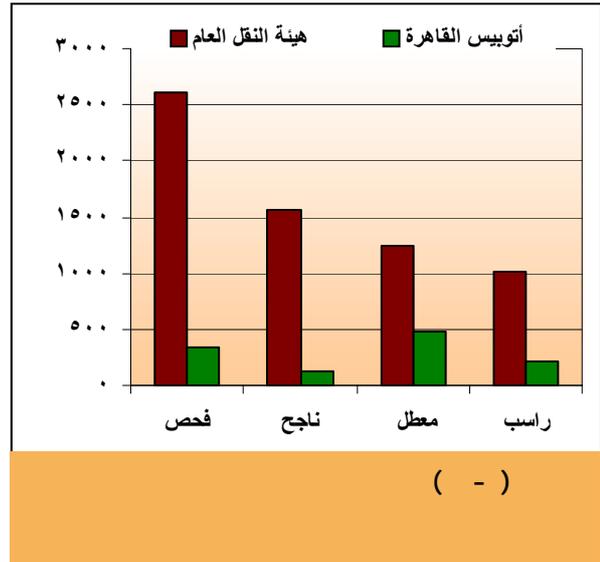
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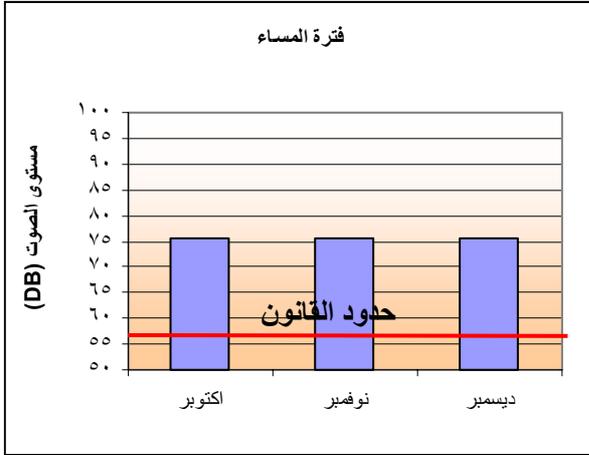
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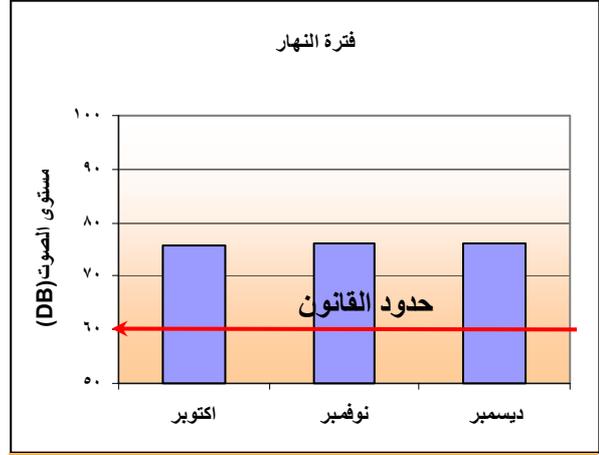
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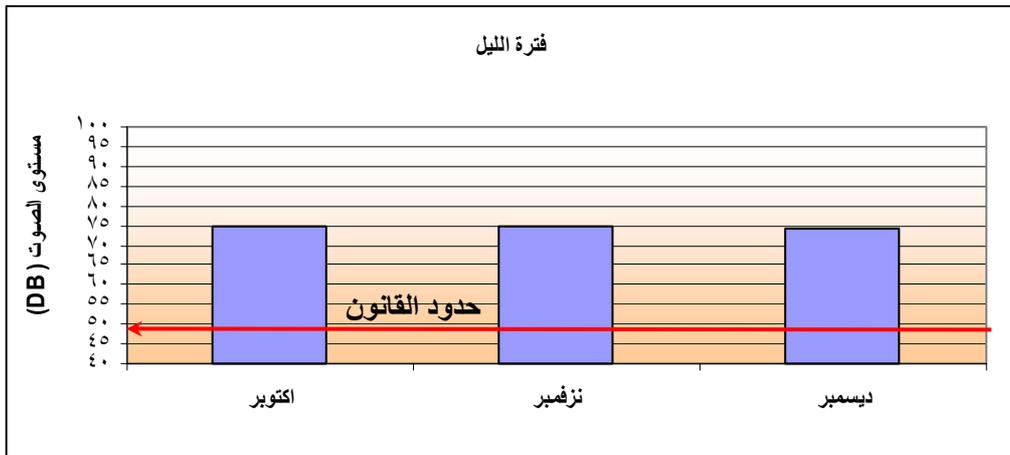
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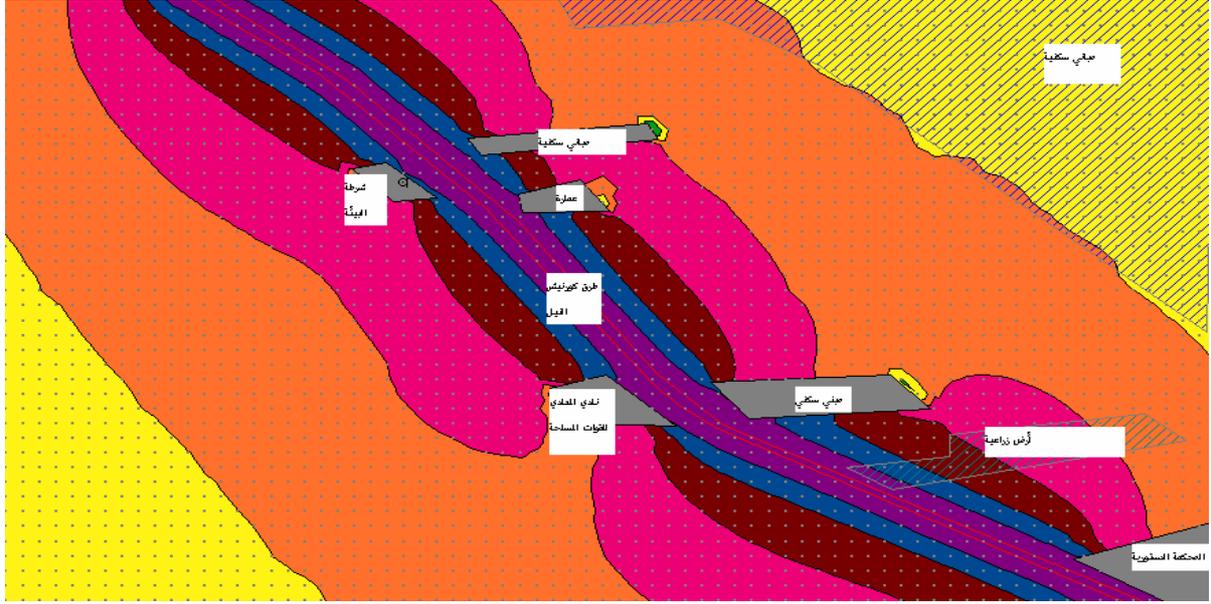
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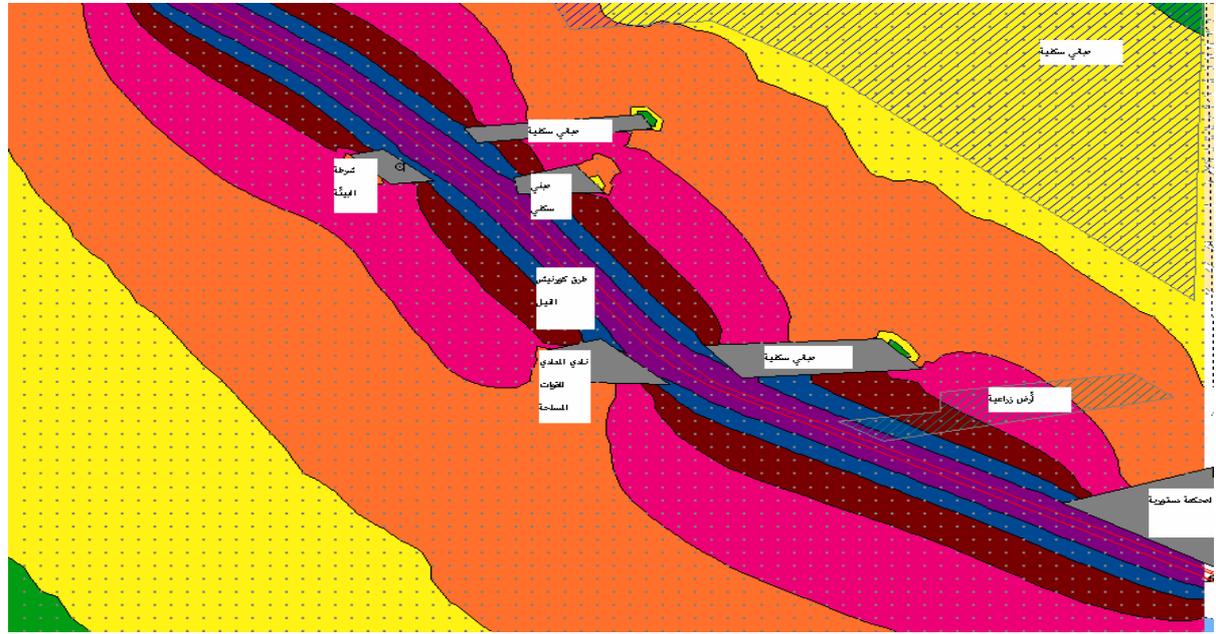
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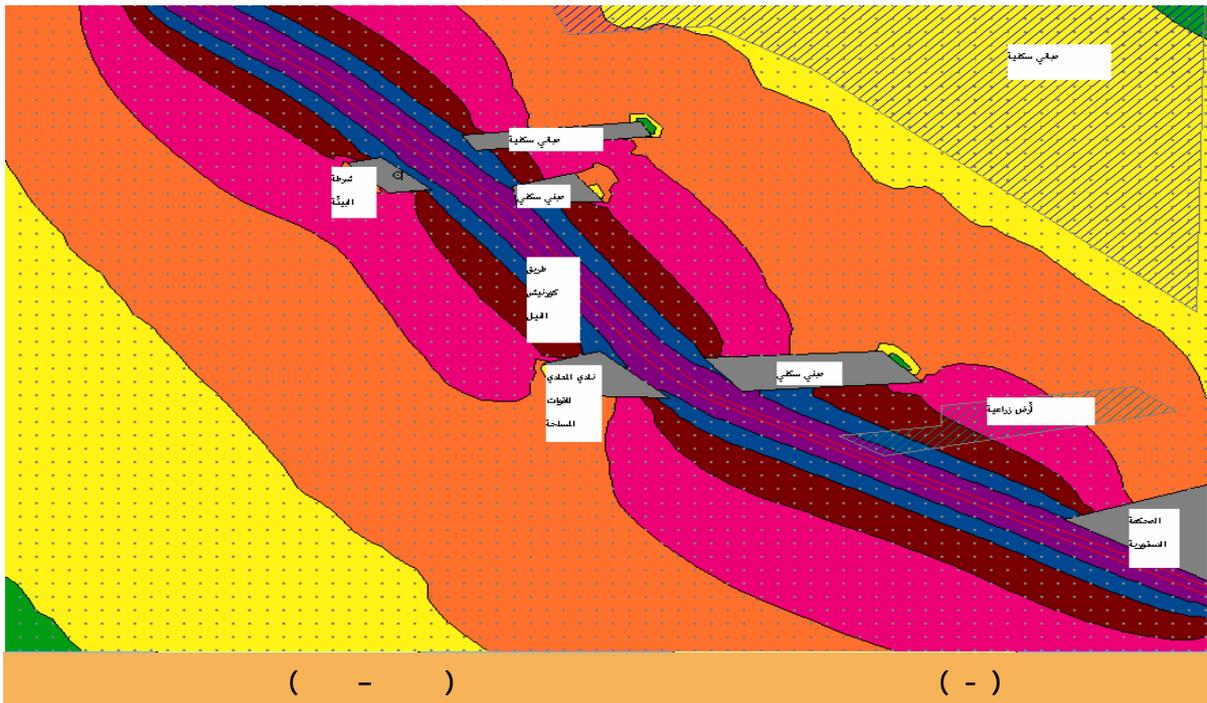
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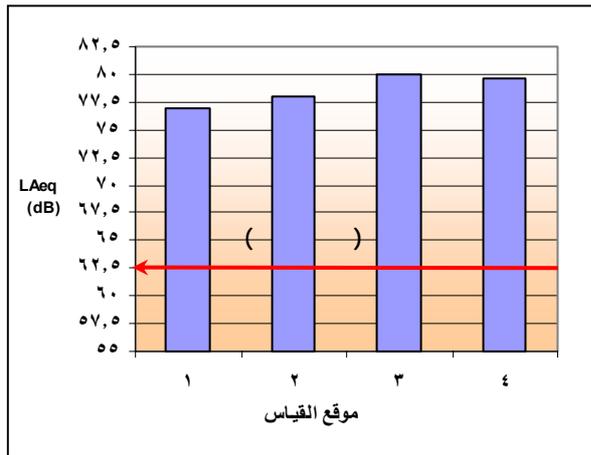
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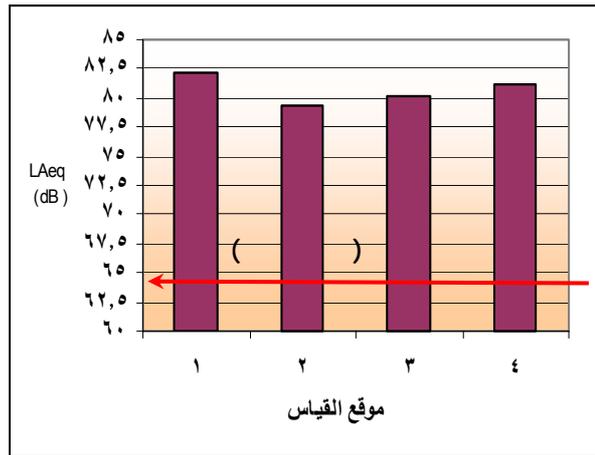
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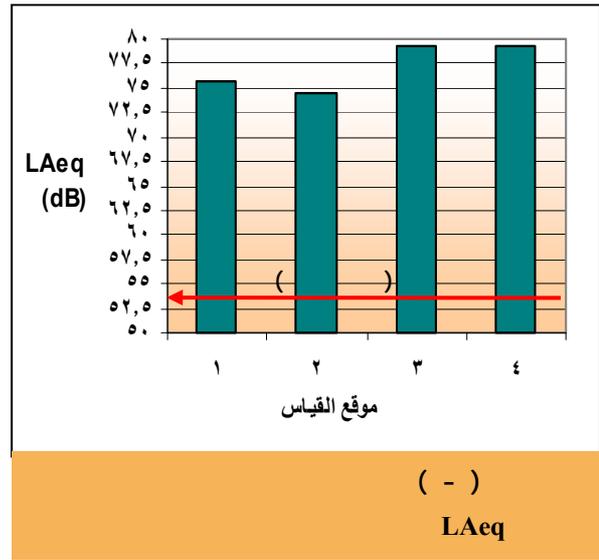
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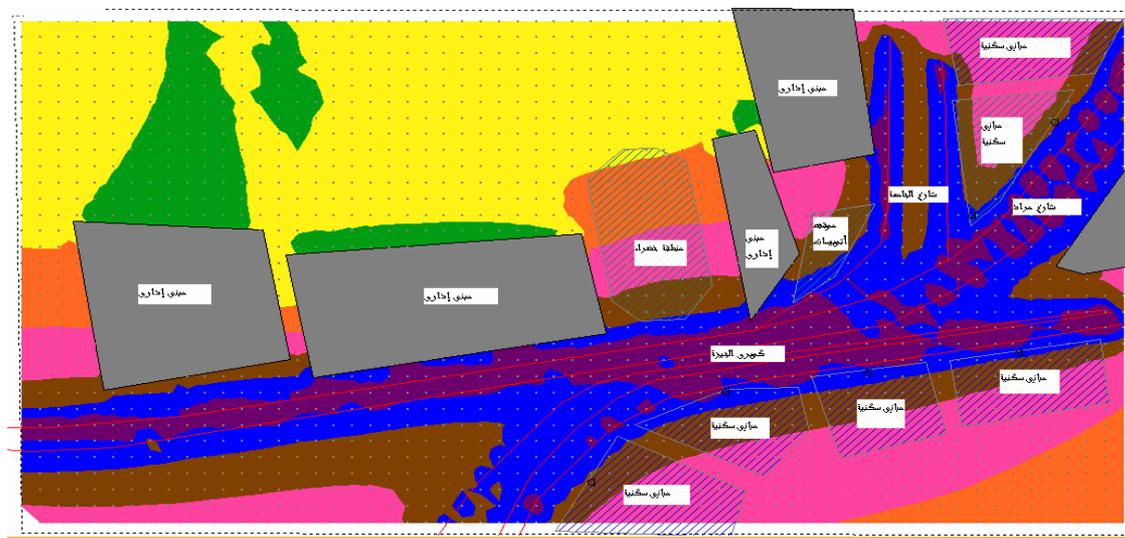
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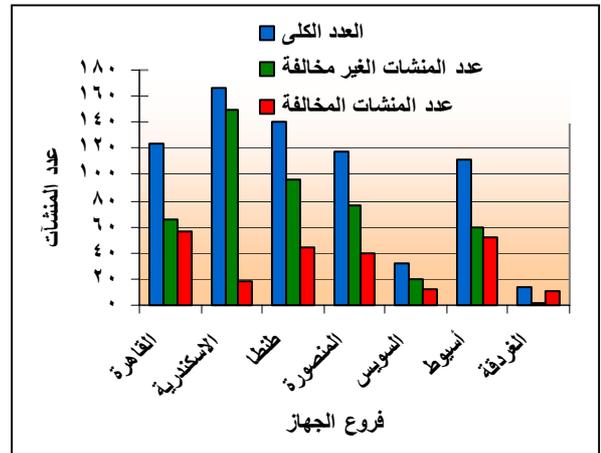
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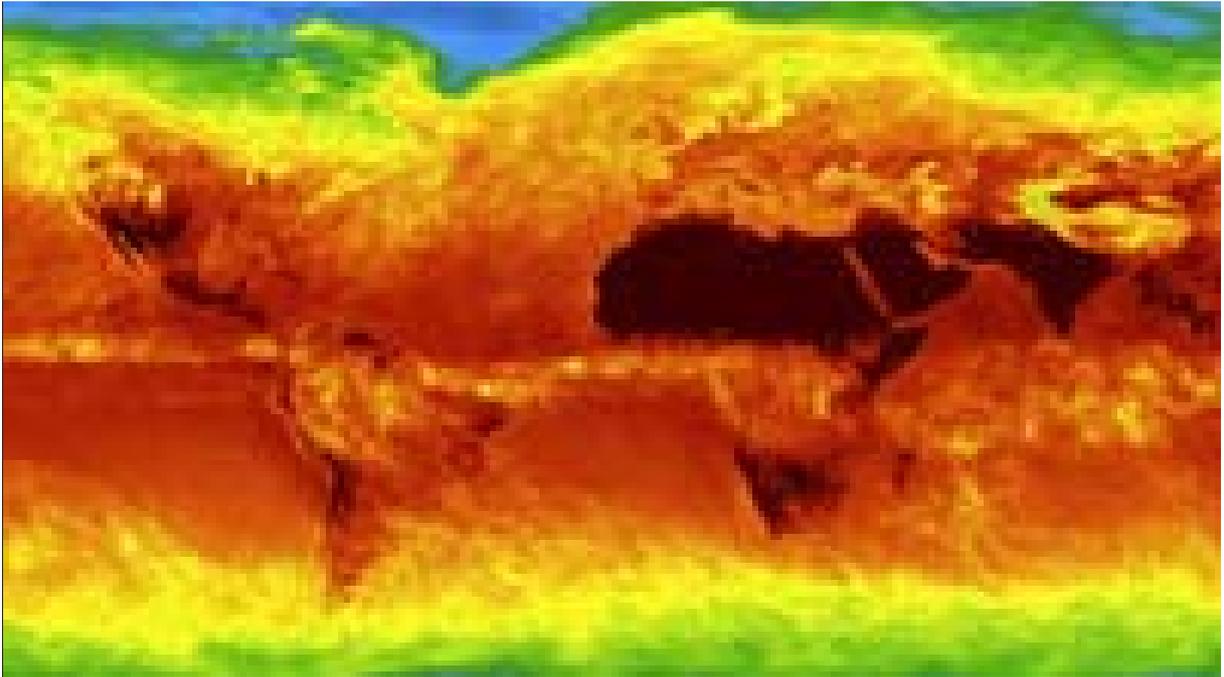
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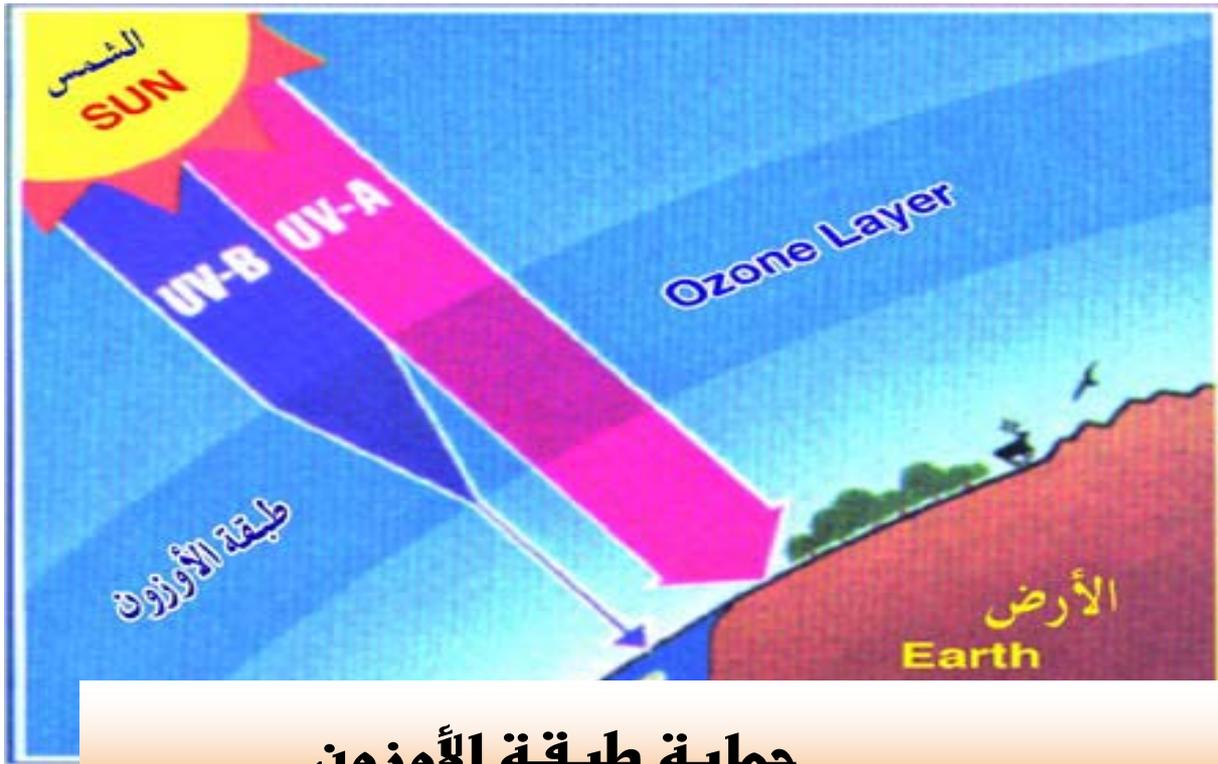
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الباب الثانی



المياه



المياه العذبة

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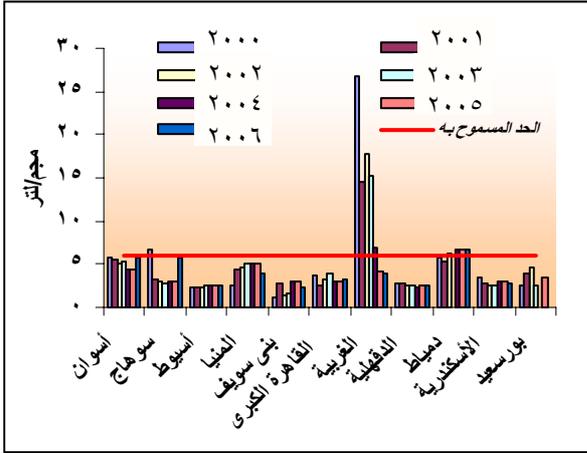
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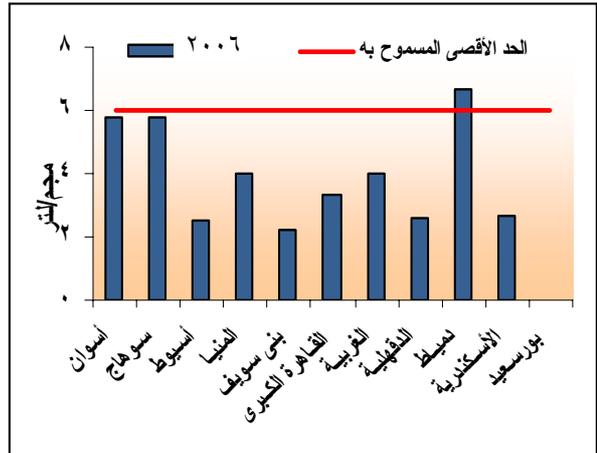


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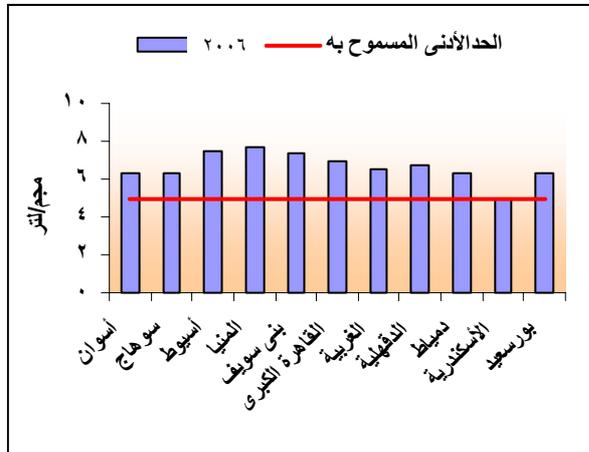
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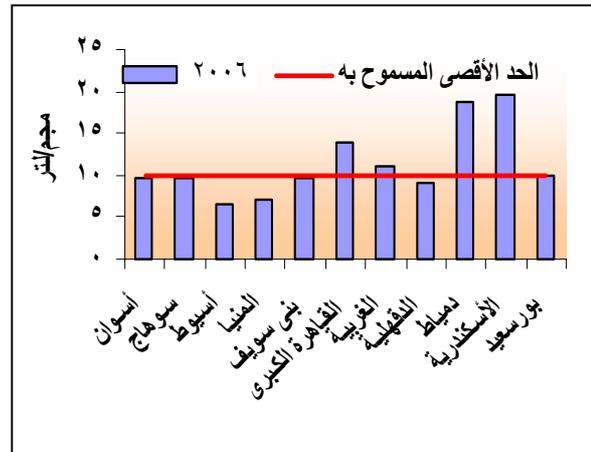
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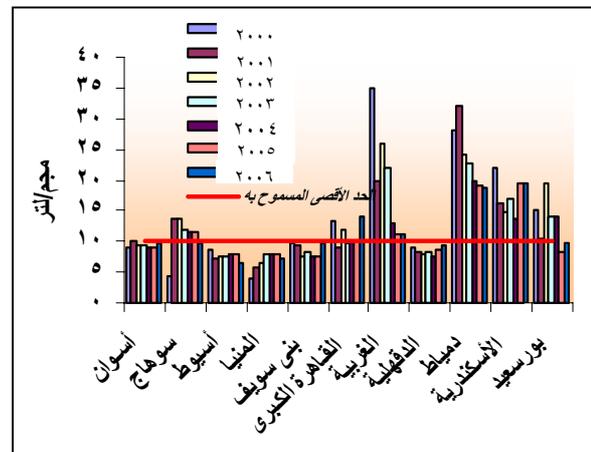


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المياه العذبة هي مورد طبيعي نادر، وتعدّ من أهمّ الموارد الطبيعية التي تحتاج إلى حماية وإدارة مستدامة. المياه العذبة هي المياه التي لا تحتوي على نسبة عالية من الأملاح الذائبة، وتستخدم للشرب والزراعة والصناعة.

تتميّز المياه العذبة بكميات محدودة في الطبيعة، وتوزيع غير متساوٍ جغرافياً. كما أنّها تتجدد ببطء شديد مقارنةً بالمياه المالحة. لذلك، فإنّ الإدارة الجيدة للمياه العذبة أصبحت ضرورة ملحة لمواجهة التحديات العالمية المتعلقة بالمياه، مثل التغيّر المناخي والتلوث المفرط.

تتطلب إدارة المياه العذبة نهجاً متكاملاً يشمل:

- حماية المصادر الطبيعية للمياه العذبة من التلوث والتدهور.
- تحسين كفاءة استخدام المياه في مختلف القطاعات.
- تنمية البنية التحتية للمياه، خاصةً في المناطق النائية.
- تعزيز الوعي المجتمعي بأهمية المياه العذبة وحمايتها.

في ظلّ التحديات المتزايدة، فإنّ الاستثمار في تقنيات المياه العذبة، مثل تحلية المياه وإعادة التدوير، أصبح خياراً حيوياً لضمان الأمن المائي للأجيال القادمة.

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المناطق الساحلية والبحرية

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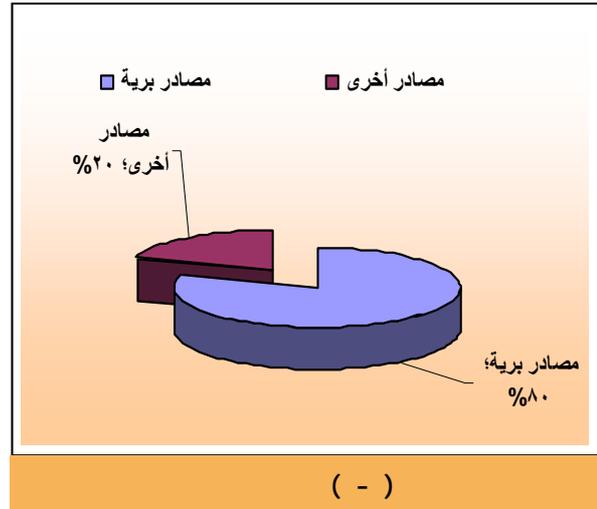
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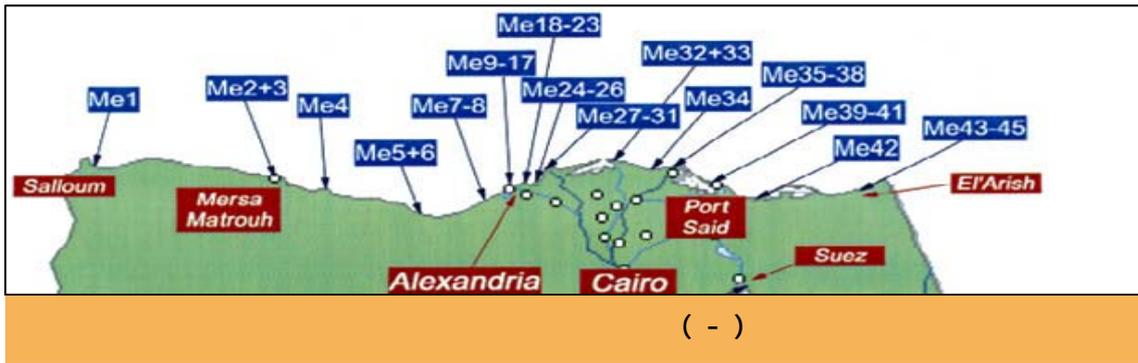
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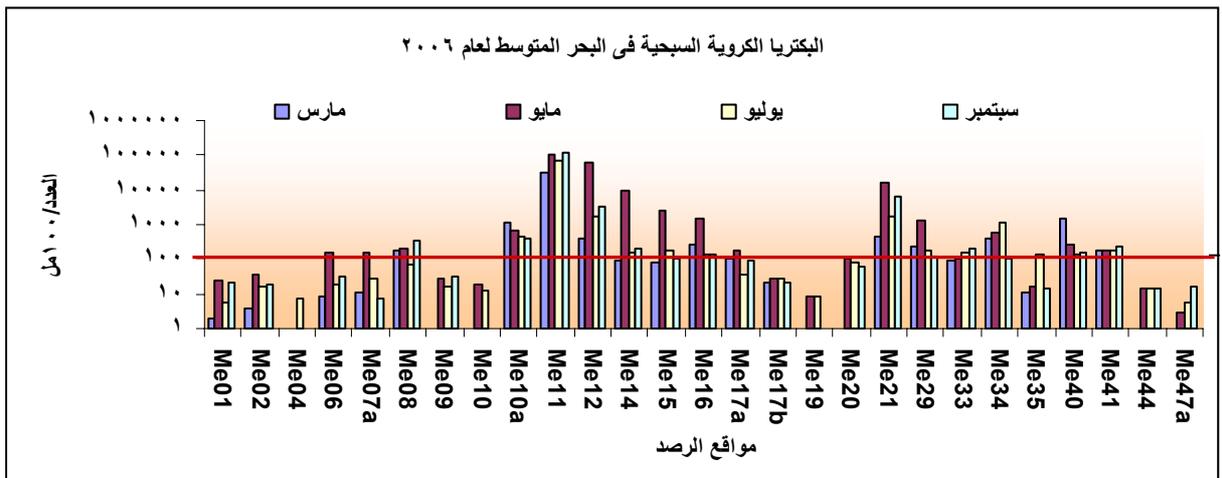
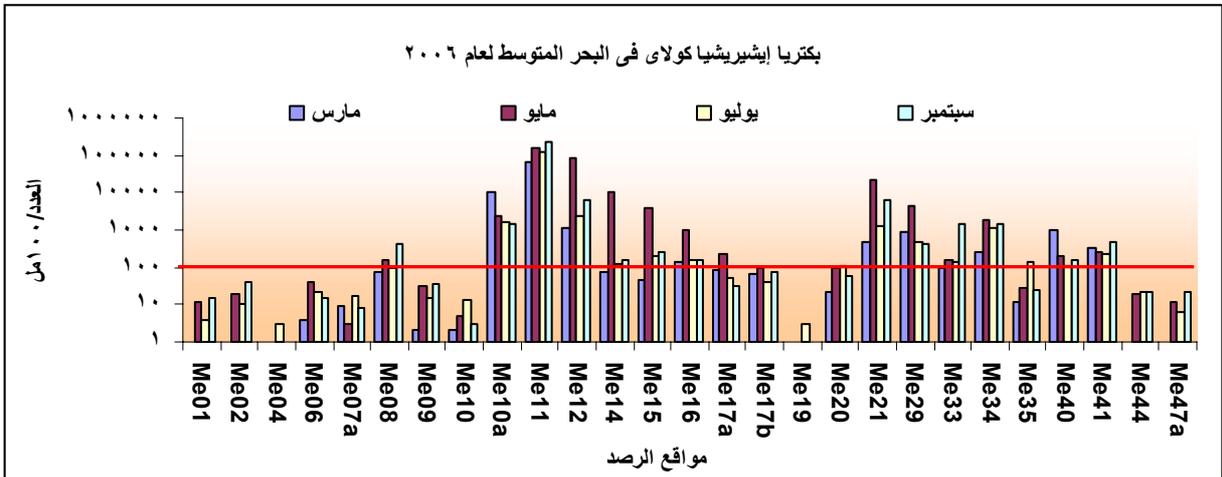
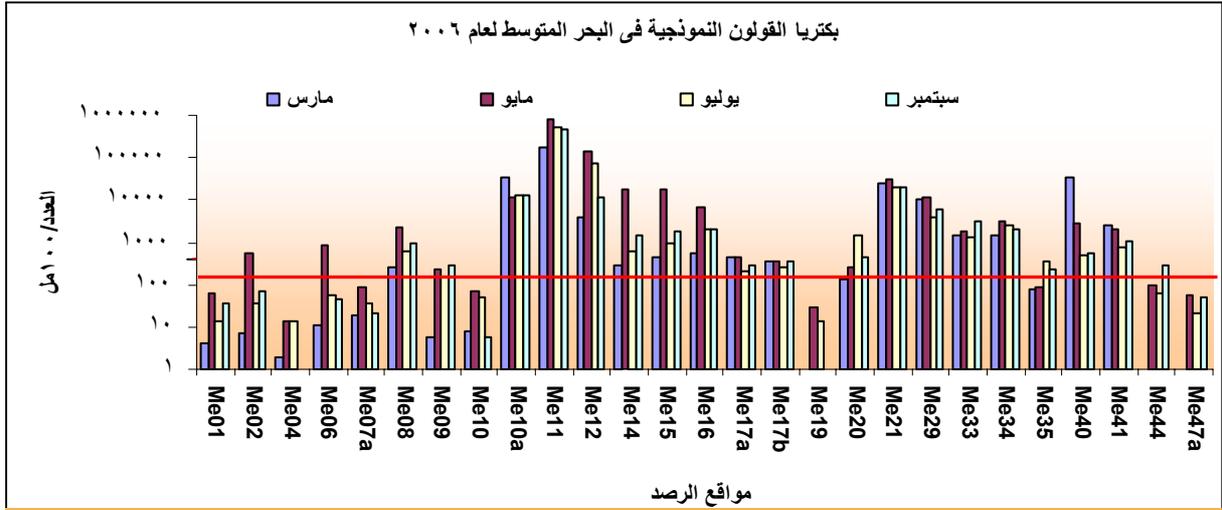
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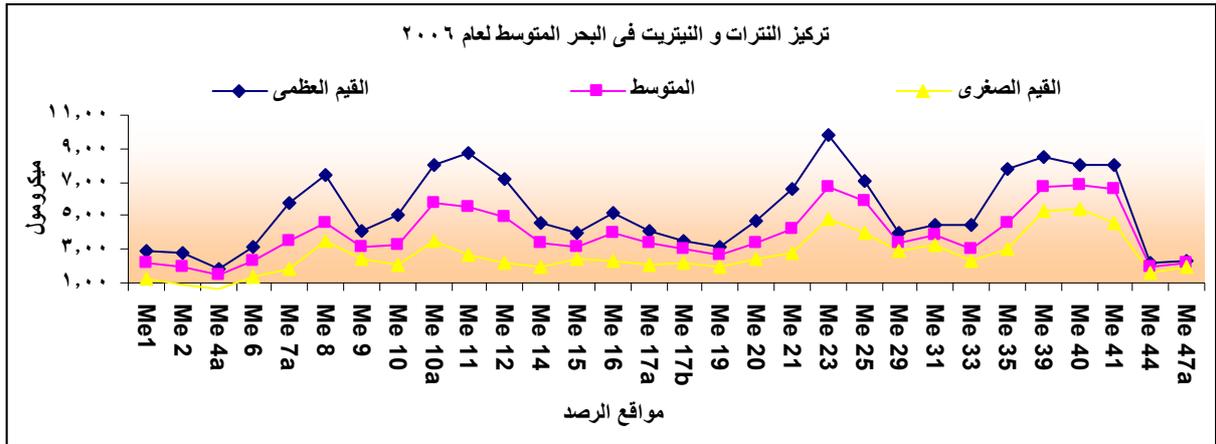
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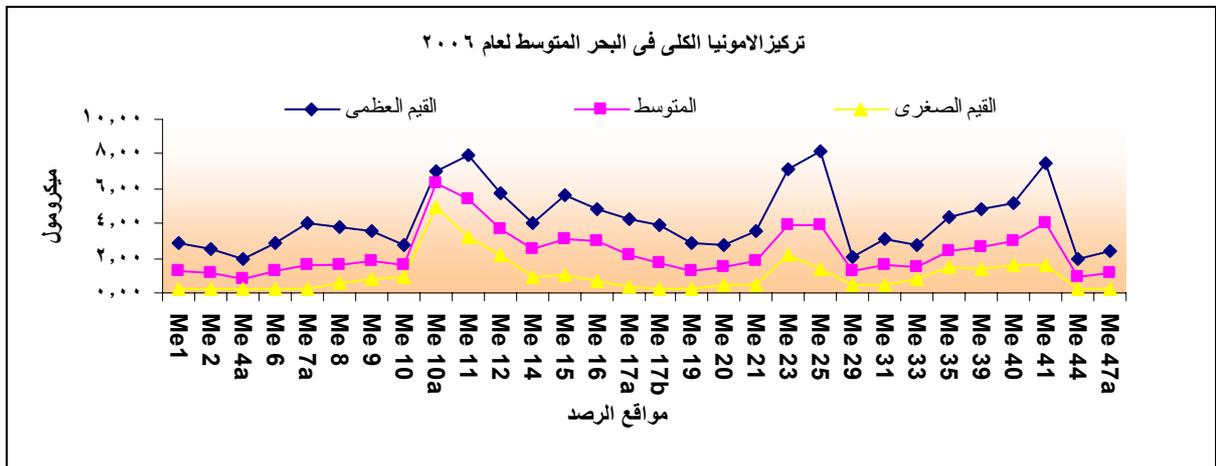
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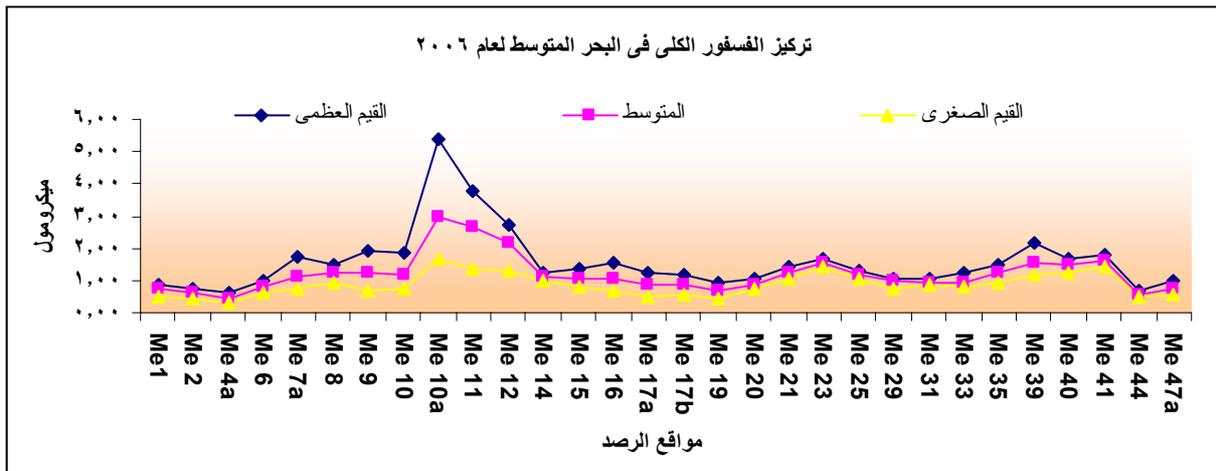
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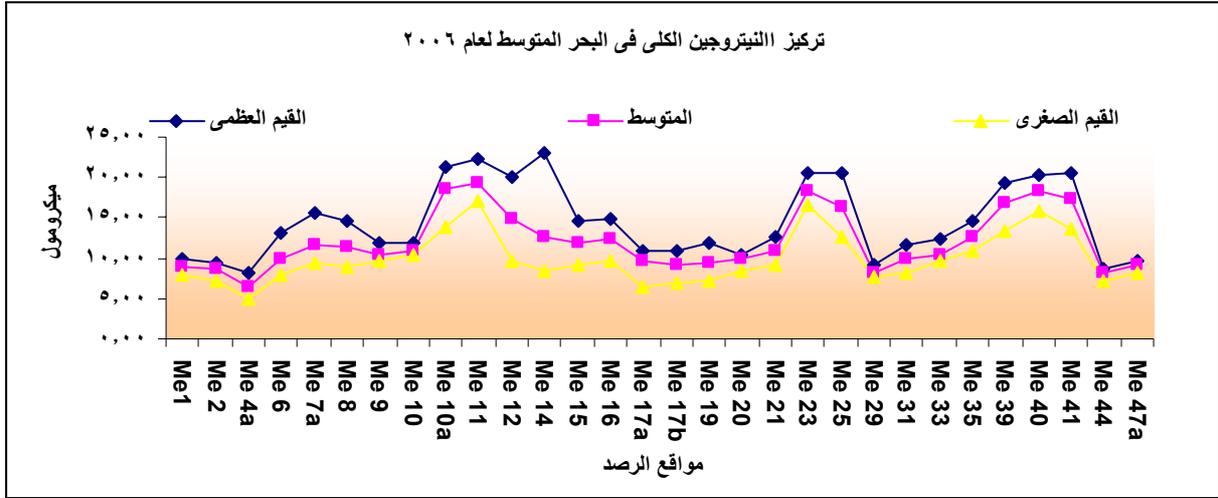
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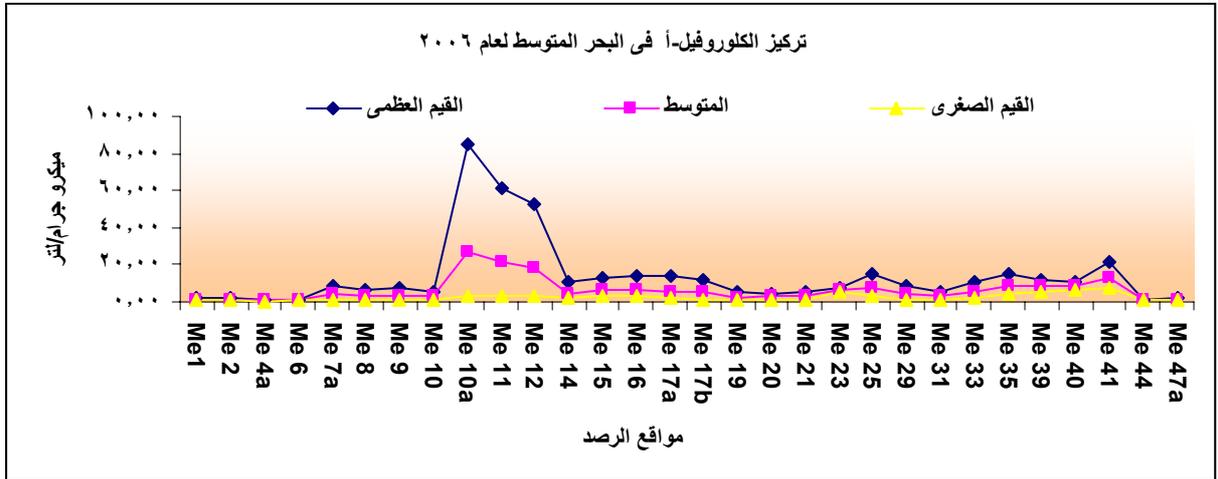
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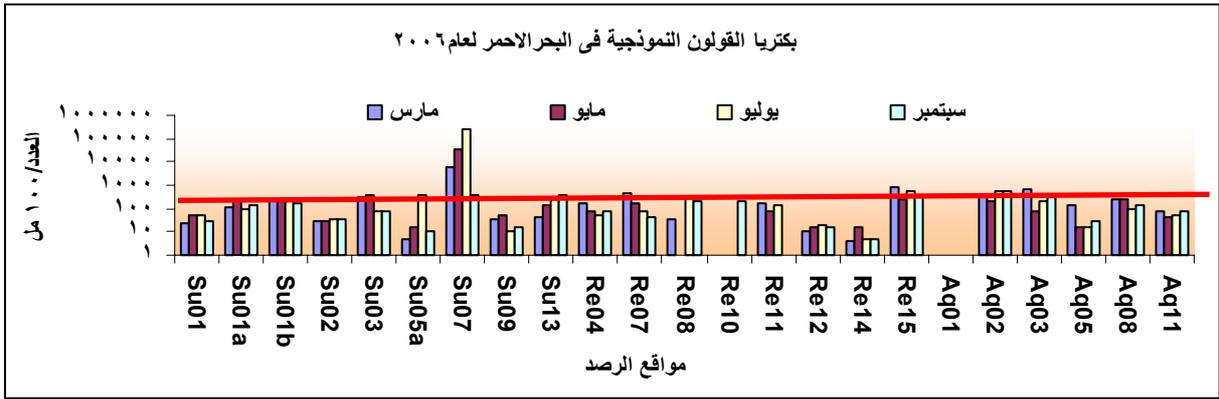
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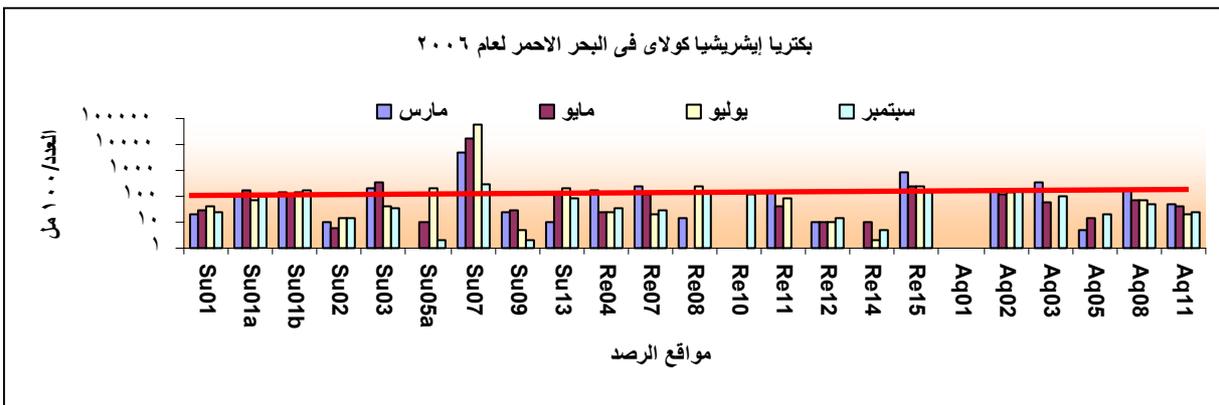
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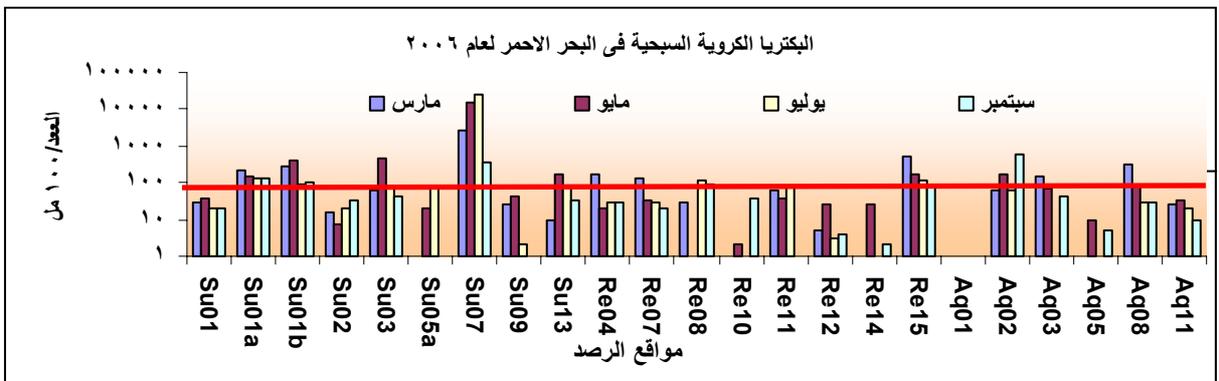
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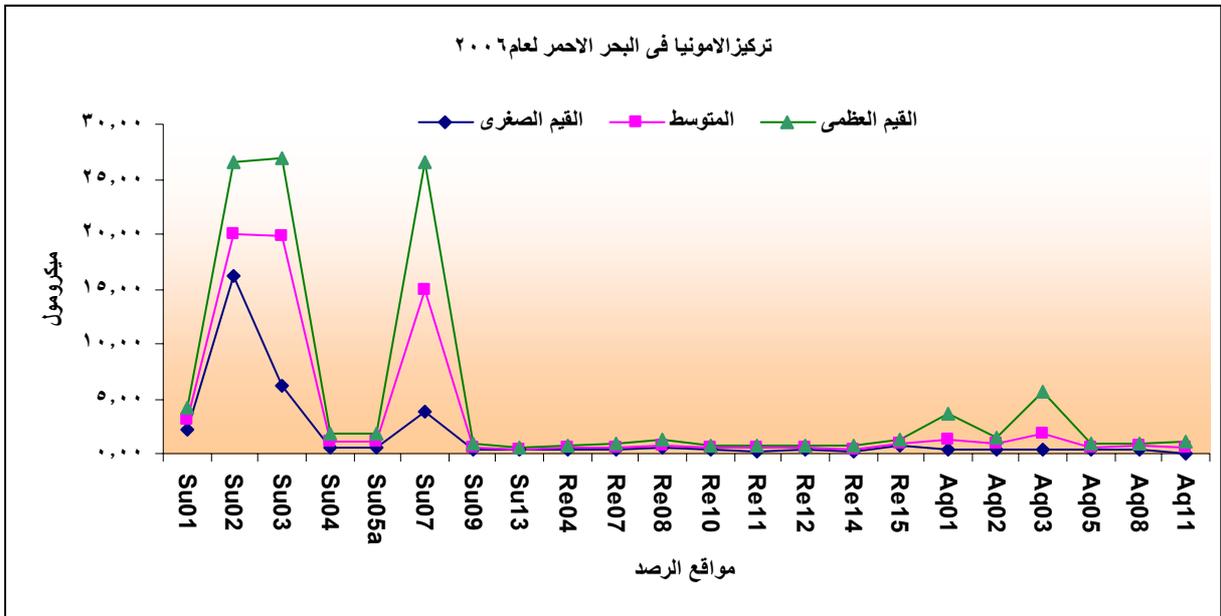
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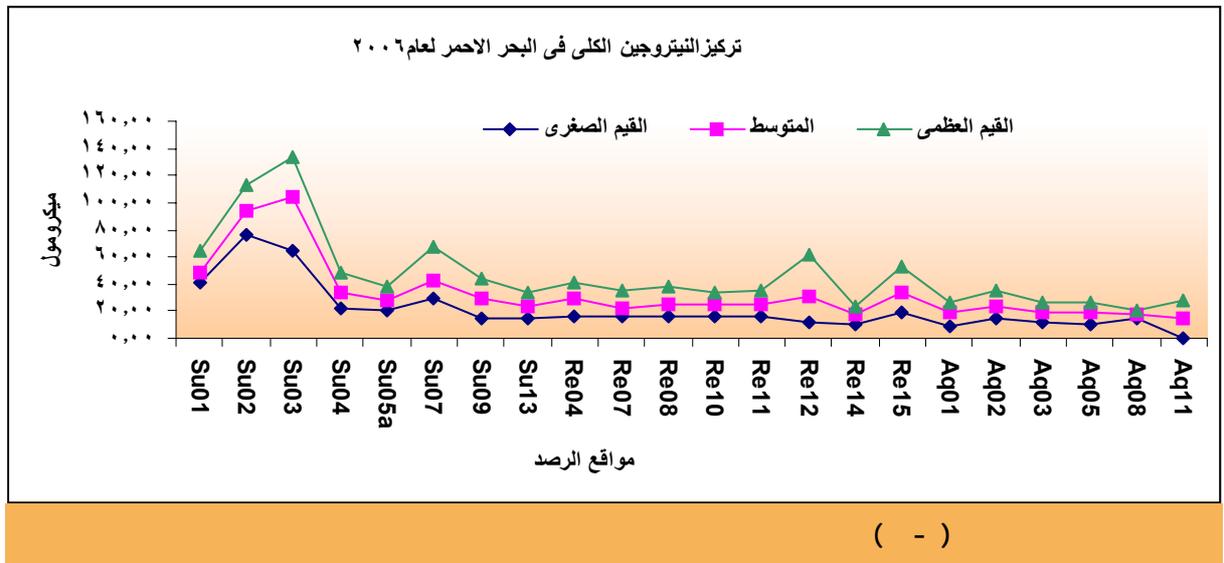
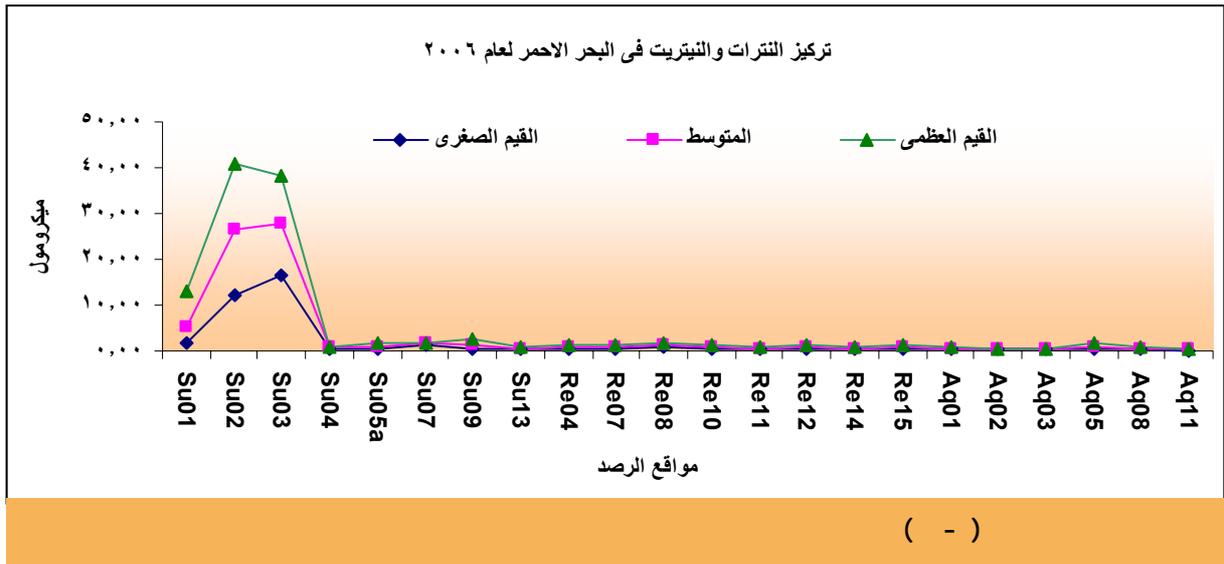
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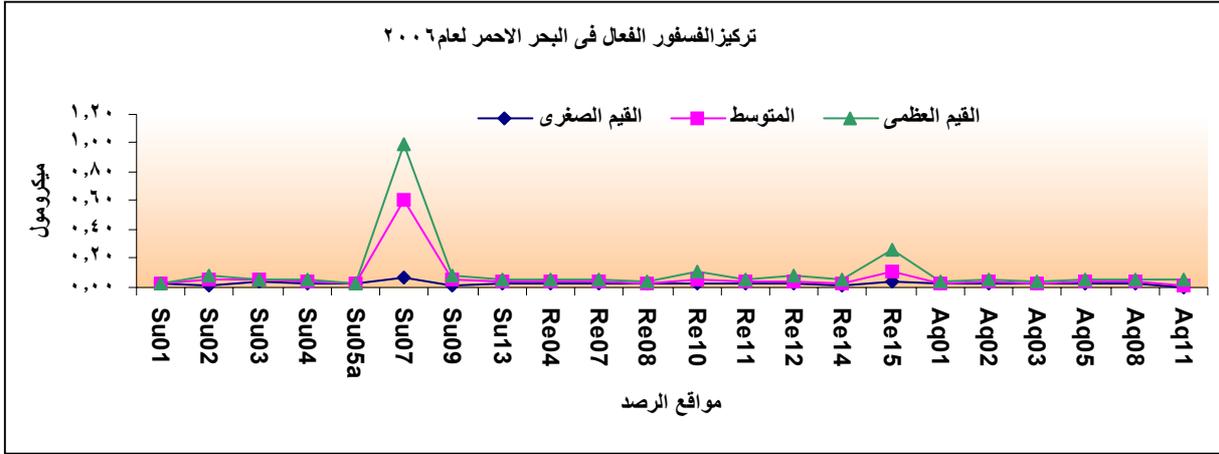
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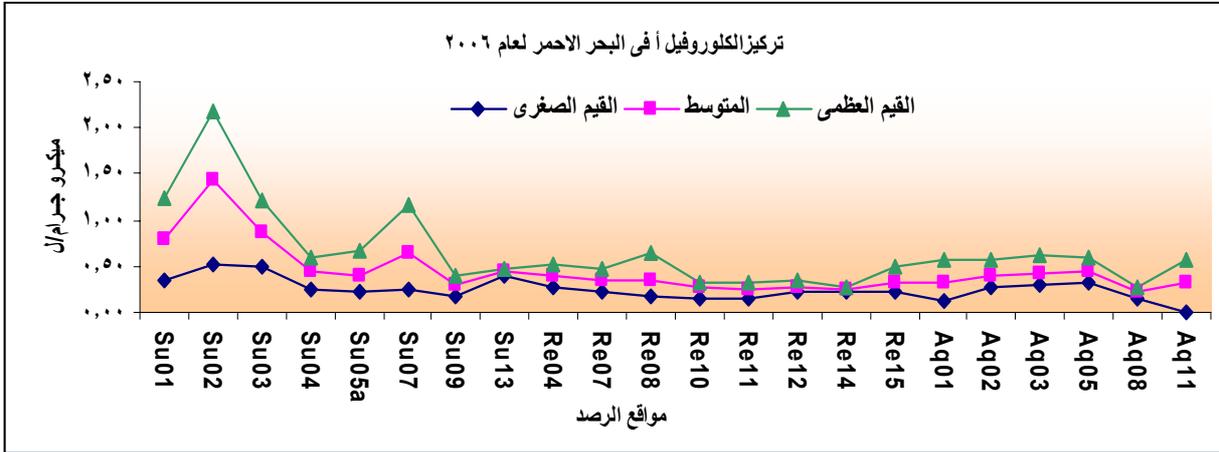
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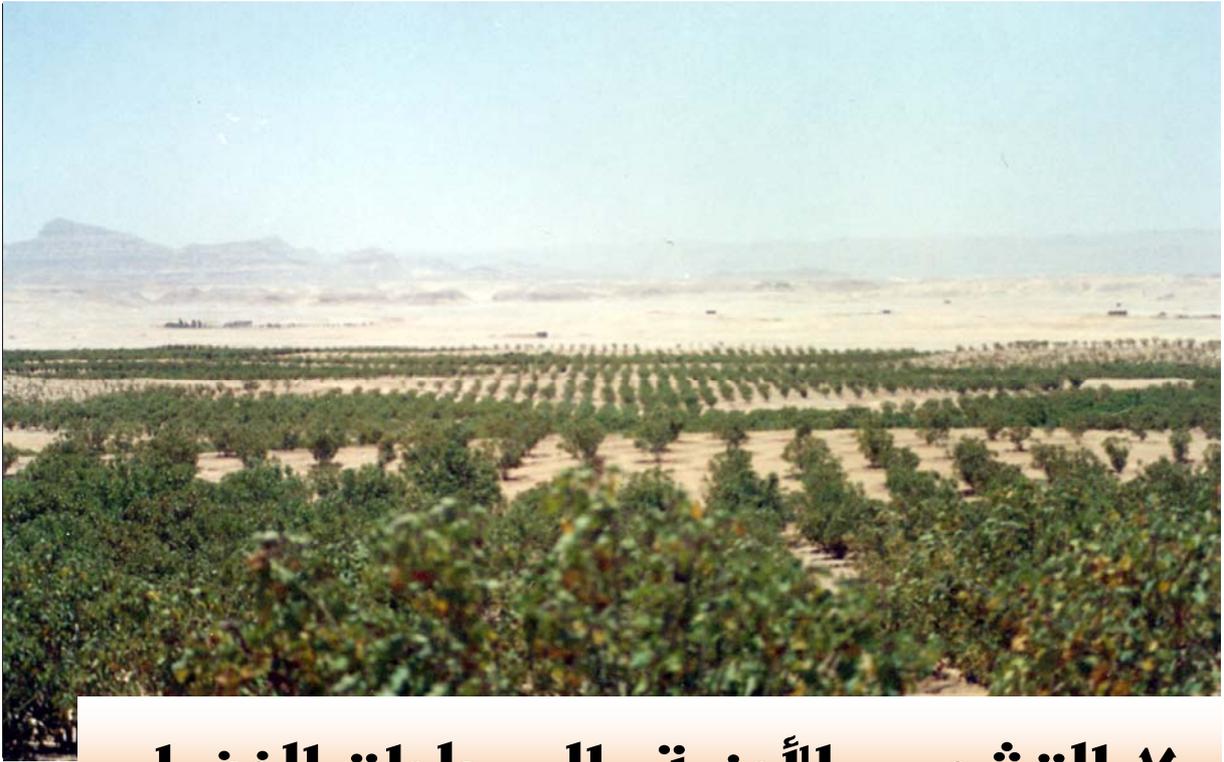
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GESAMP (Group of Experts on scientific Aspects of Marine Pollution) (1990). The State of the Marine Environment - London, united kingdom.

الباب الثالث



الأرض



٧ التشجير والأحزمة والمساحات الخضراء

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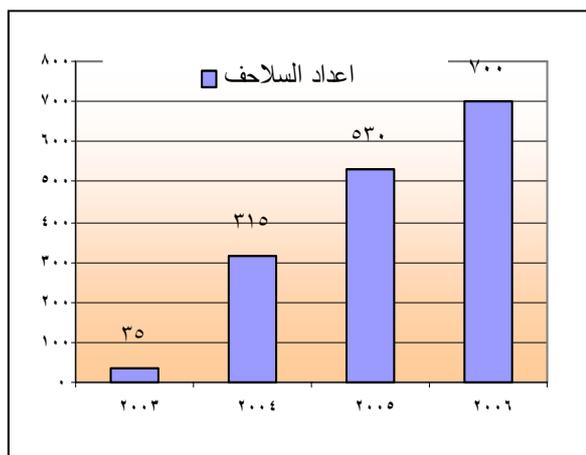
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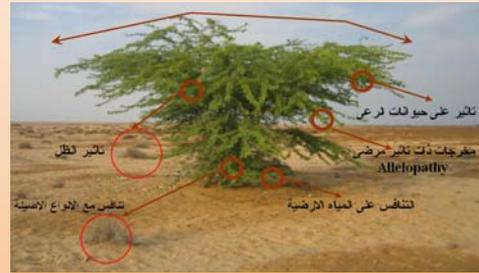


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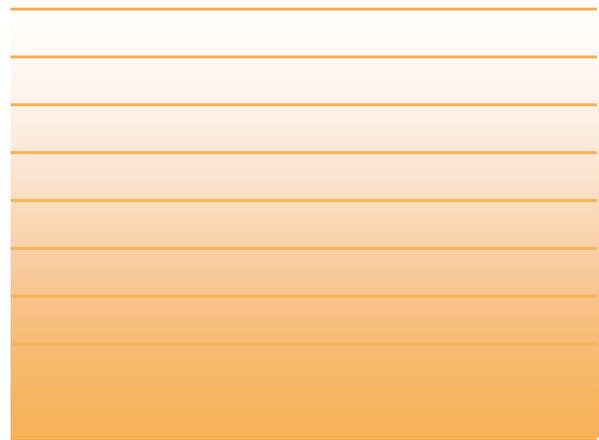
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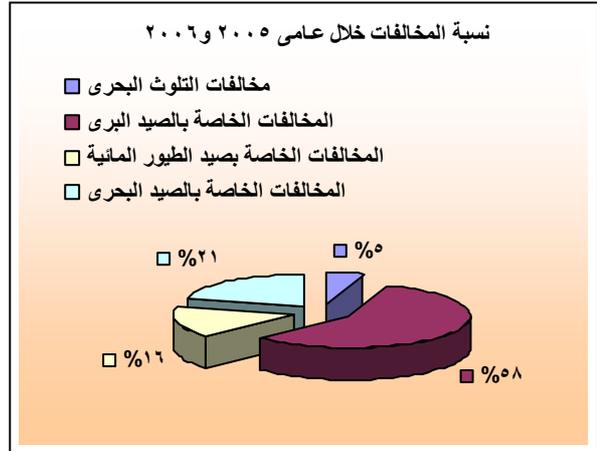
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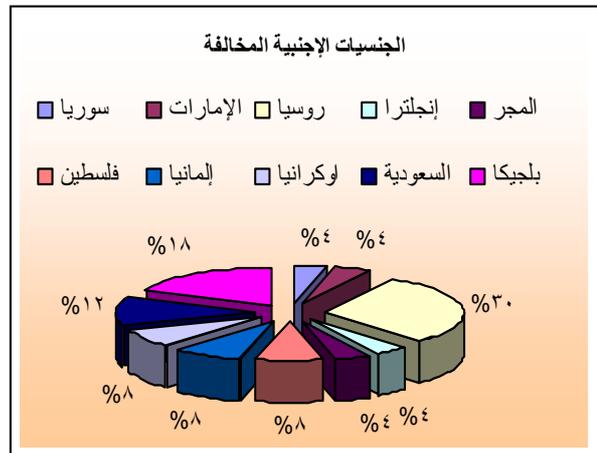
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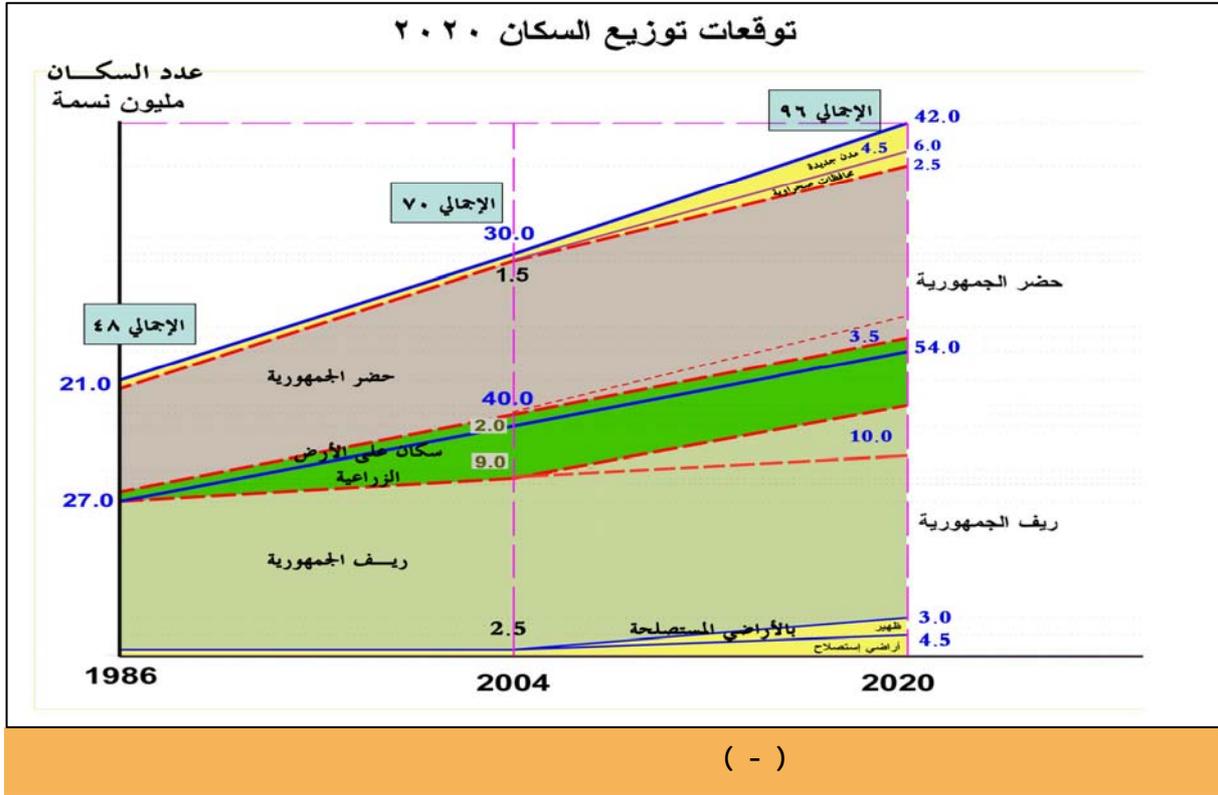
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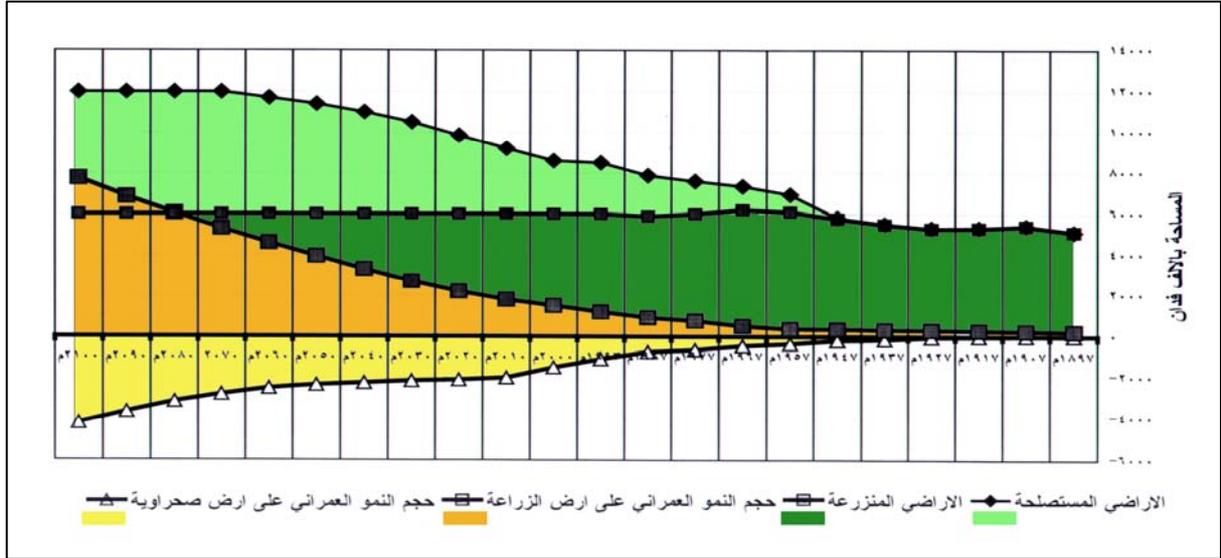


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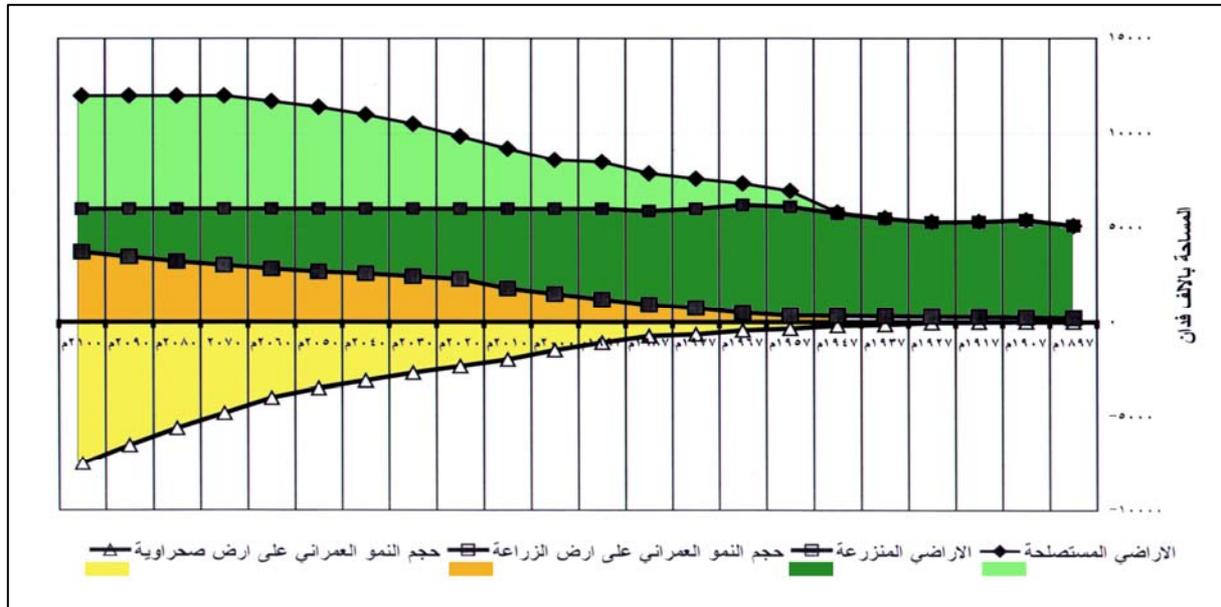
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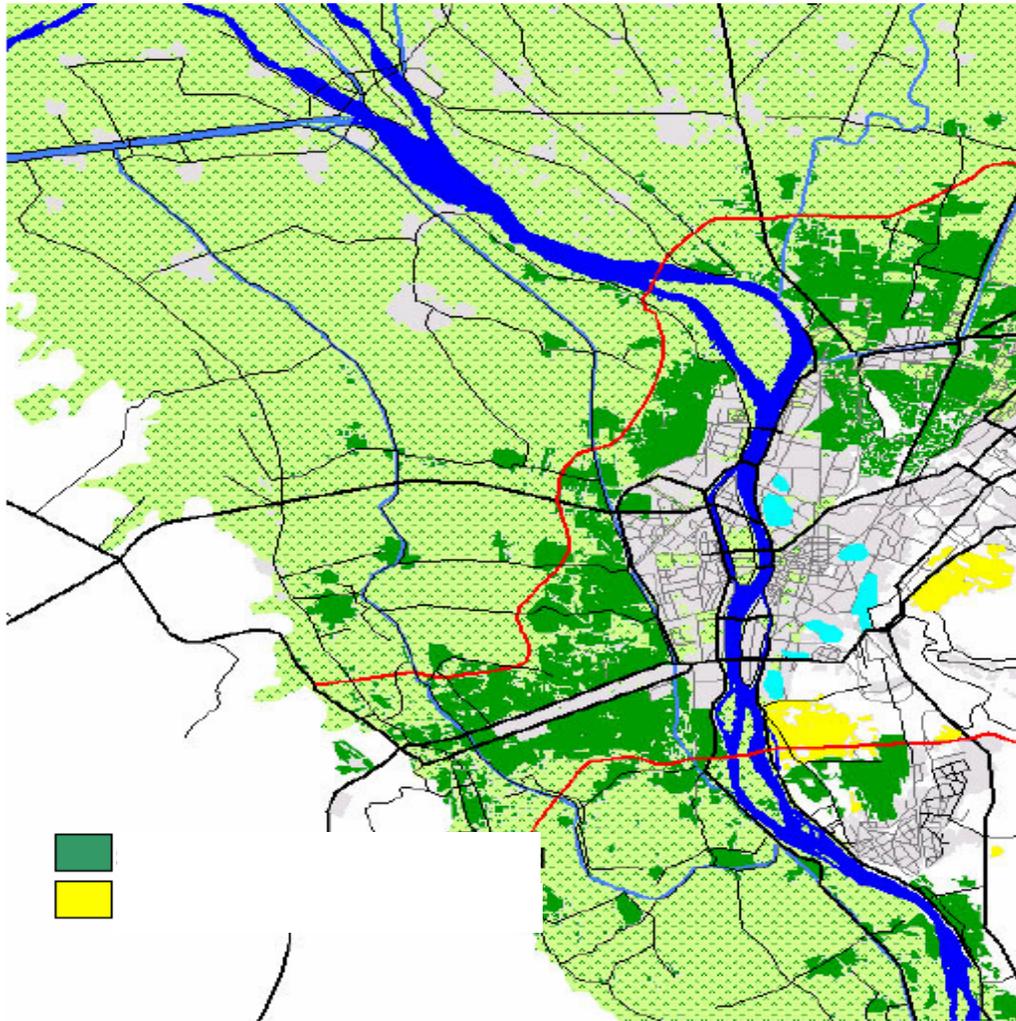


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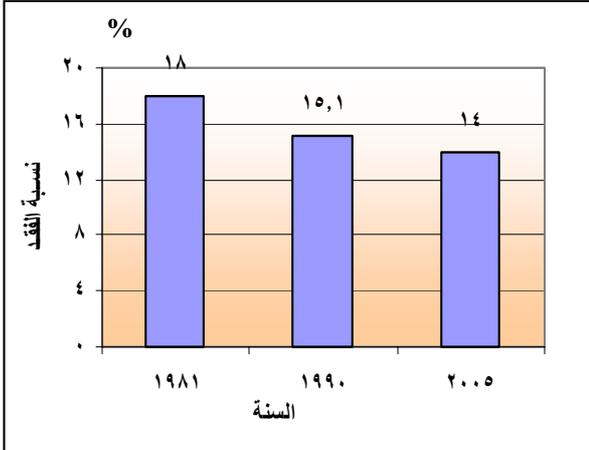
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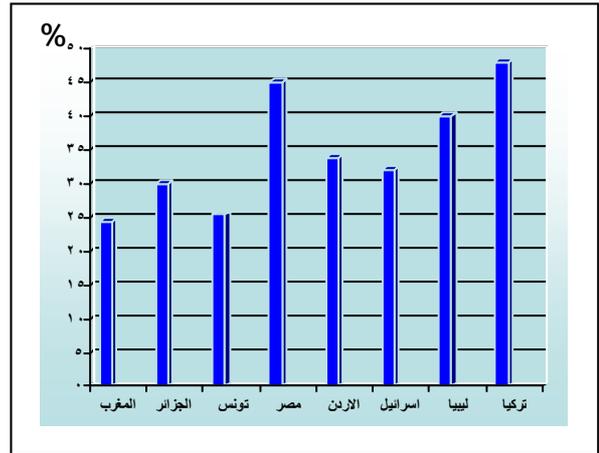
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| AHED | Association for Health and Environmental Development |
| ALECSO | Arab League Educational, Cultural and Scientific Organizations |
| AMCEN | African Ministerial Conference On The Environment |
| ANC | Authority of New Communities |
| AOYE | Arab Office for Youth and Environment |
| APE | Association for the Protection of the Environment |
| ARFI | Arab Regional Financial Institution |
| ATM | Air Traffic Management |
| AU | African Union |
| BASEL | Convention of BASEL (control of transboundary movements of hazardous wastes and their disposal) |
| BCM | Billion Cubic Meter |
| BOD | Biochemical Oxygen Demand |
| BOT | Build, Operate, and Transfer |
| C&D | Construction and Demolition |
| CAIP | Cairo Air Improvement Project |
| CAMP | Coastal Areas Management Program |
| CAPMAS | Central Agency for Public Mobilization and Statistics |
| CBD | Central Business District |
| CBO | Central Business Organization |
| CDA | Community Development Association |
| CDM | Clean Development Mechanism |
| CEDARE | Center for Environment and Development for Arab Region and Europe |
| CEO | Chief Executive Officer |
| CEOSS | Coptic Evangelist Organization for Social Services |
| CFCs | Chlorofluorocarbons |
| CIDA | Canadian International Development Agency |
| CITES | Convention for International Trade in Endangered Species |
| CMS | Convention on Migratory Species |
| CNG | Compressed Natural Gas |
| CNS | Communication & Navigation Systems |
| CO2 | Carbon Dioxide |
| COD | Chemical Oxygen Demand |

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| CPM | Critical Path Method |
| DANIDA | Danish International Development Agency |
| DEM | Digital elevation Models |
| DFID | Department for International Development |
| DO | Dissolved Oxygen |
| DRC | Desert Research Center |
| DRI | Drainage Research Institute |
| ECEP | Energy Conservation and Environment Project |
| ECES | Egyptian Center for Economic Studies |
| EEAA | Egyptian Environmental Affairs Agency |
| EEC | Energy Efficiency Council |
| EEHC | Egyptian Electricity Holding Company |
| EEI | Emerging Environmental Issues |
| EEIF | Egyptian Environmental Initiatives Fund |
| EEPP | Earth Education Partnership Program |
| EESA | Egyptian Energy Service Association |
| EHMIMS | Egyptian Hazardous Materials Information and Management System |
| EIA | Environmental Impact Assessment |
| EIMP | Environmental Information and Monitoring Project |
| EMU | Environmental Management Unit |
| EMG | Environmental Management in the Governorates |
| EPAP | Environment Pollution Abatement Project |
| EPF | Environmental Protection Fund |
| EPM | Environmental Planning and Management |
| EQI | Environmental Quality International |
| ERF | Environmental Revolving Funds |
| ERSAP | Economic Reform and Structural Adjustment Program |
| ESP | Environmental Sector Program |
| EU | European Union |
| Eutrophication | Eutrophication is a condition in an aquatic ecosystem where high nutrient concentrations stimulate blooms of algae |
| FAO | Food and Agriculture Organization |
| FDI | Foreign Direct Investments |
| FEA | Friends of the Environment in Alexandria |
| FEDA | Friends of the Environment and Development Association |
| FEI | Federation of Egyptian Industry |

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| Faecal Streptococci | Kind of harmful bacteria |
| GCR | Greater Cairo Region |
| GDP | Gross Domestic Products |
| GEF | Global Environment Facilities |
| GHG | Green House Gases |
| GHGRP | Green House Gases Reduction Project |
| GIS | Geographic Information System |
| GMA | Global Mercury Assessment |
| GMO | Genetically Modified Organisms |
| GOE | Government of Egypt |
| GOFI | General Organization for Industry |
| GOPP | General Organization for Physical Planning |
| GPA/LBA& MEDPOL | Global Program of Action for the Protection of the Marine Environmental from Land Bared Activities |
| GTZ | German Technical Cooperation Agency |
| GWS | Ground Water Sector |
| HACCAP | Hazardous Analysis & Critical Control Points System |
| HCRW | Health Care Risk Wastes |
| HCW | Health Care Wastes |
| ICA | Institute of Cultural Affairs |
| ICARDA | International Center for Agricultural Research in Dry Areas |
| ICCON | International Consortium for Cooperation on the Nile |
| ICED | International Center for Environment and Development |
| ICZM | Integrated Coastal Zone Management |
| IDB | Islamic Development Bank |
| IDSC | Information and Decision Support Center |
| IFCS | International Forum on Chemical Safety |
| IPCS | The International Program on Chemical Safety |
| ISI | Import Substitution Industry |
| ISO | International Standard Organization |
| IT | Information Technology |
| JICA | Japanese International Cooperation Agency |
| LDC | Least Developed Countries |
| LIFE | LIFE program USAID/Egypt for Lead Pollution Clean-Up in Qalyoubia |
| LMO | Living Modified Organisms |

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|----------------|---|
| LPG | Liquefied Petroleum Gases |
| M&E | Monitoring and evaluation |
| MALR | Ministry of Agriculture and Land Reclamation |
| MAP | Mediterranean Action Plan |
| MENA | Middle East and North Africa |
| MEAs | Multilateral Environmental Agreements |
| METAP | Mediterranean Environmental Technical Assistance Program |
| MHUUC | Ministry of Housing, Utilities, and Urban Communities |
| MLD | Ministry of Local Development |
| MLF | Multilateral Fund Ozone |
| MOEE | Ministry of Electricity and Energy |
| MOFA | Ministry of Foreign Affairs |
| MOHP | Ministry of Health and Population |
| MSEA | Ministry of State for Environmental Affairs |
| MSDS | Material Safety Data Sheet |
| MSWs | Municipal Solid Wastes |
| MSY | Maximum Sustainable Yield |
| MTBE | Methyl Terially Butyl Ether |
| MWRI | Ministry of Water Resources and Irrigation |
| NAFTA | North America Free Trade Agreement |
| NAP | National Action Plan |
| NAPOE | National Association for Protection of Environment |
| NARSSS | National Authority for Remote Sensing and Space Sciences |
| NAWQAM | National Water Quality and Availability Management Project |
| NBI | Nile Basin Initiative |
| NC | National Communication |
| NEAP | National Environmental Action Plan |
| NEES | National Energy Efficiency Strategy |
| NEPAD | New Partnership for Africa's Development |
| NGO | Non-Governmental Organization |
| NIOF | National Institute of Oceanography and Fisheries |
| NOPWASD | National Organization for Potable Water Sanitation and Drainage |
| NOU | National Ozone Unit |
| NRI | Nile Research Institute |
| NSS | National Spatial Strategy |

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| NWC | National Women Council |
| NWRC | National Water Research Center |
| NWRP | National Water Resources Plan |
| OAU | Organization of African Unity |
| ODS | Ozone Depleting Substances |
| OEP | Organization for Energy Planning |
| OPEC | Oil Producing and Exporting Countries |
| ORDEV | Organization for Reconstruction and Development of Egyptian Villages |
| PAH | Poly Aromatic Hydrocarbons |
| PAP | Priority Action Program |
| PCB | Polychlorinated Biphenyl |
| PERSGA | Program for the Environment of the Red Sea and Gulf of Aden |
| PFTC | Department of Planning, Follow-up and Technical Cooperation |
| PIC | Prior Informed Consent |
| P&I | Protection and Indemnity |
| PM10 | Particulate Matter |
| POPs | Persistent Organic Pollutants |
| PPC | Policy Planning Committee |
| PPM | Part Per Million |
| PPP | Pollution Prevention Pays |
| R&D | Research and Development |
| RAC | Regional Activity Centers |
| RBO | Regional Branch Offices |
| RFP | Request for Proposals |
| RIGW | Research Institute for Groundwater |
| RMP | Refrigeration Management Plan |
| SAICM | Strategic Approach to International Chemicals Management |
| SAP | Strategic Action Program |
| SCA | Supreme Council for Antiquities |
| SDU | Sustainable Development Unit |
| SEDO | Small Enterprise Development Organization |
| SEAM | Support for Environmental Assessment and Management |
| SFD | Social Fund for Development |
| SGP | Small Grants Program |
| SHW | Solar Hot Water |

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|---------------|--|
| SMART | Scientific, Measurable, Attainable, Relevant and Trackable |
| SME | Small and Micro-Enterprises |
| SPAMI | Specially Protected Areas of Mediterranean Importance |
| TDA | Tourism Development Authority |
| TDS | Total Dissolved Solids |
| TLV | Threshold Limit Values |
| TOE | Ton Oil Equivalent |
| TSM | Total Suspended Matter |
| TSP | Total Suspended Particles |
| UN | United Nations |
| UNCCD | United Nations Convention to Combat Desertification |
| UNCHS | United Nations Center for Human Settlements |
| UNDP | United Nations Development Program |
| UNEP | United Nations Environment Program |
| UNFCCC | United Nations Framework Convention for Climate Change |
| UNIDO | United Nations Industrial Development Organization |
| USAID | United States Agency for International Development |
| VET | Vehicle Emissions Testing |
| VOC | Volatile Organic Compound |
| WHO | World Health Organization |
| WB | World Bank |
| WRI | World Resources Institute |
| WTO | World Trade Organization |



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