

II PROPOSED ACTIONS WHICH MAY CAUSE ENVIRONMENTAL IMPACT

I. EXISTING CHARACTERISTICS AND CONDITIONS OF THE ENVIRONMENT		II. PROPOSED ACTIONS WHICH MAY CAUSE ENVIRONMENTAL IMPACT													COMPUTATIONS
		A. MODIFICATION OF REGIME	B. LAND TRANSFORMATION AND CONSTRUCTION	C. RESOURCE EXTRACTION	D. PROCESSING	E. LAND ALTERATION	F. RESOURCE RENEWAL	G. CHANGES IN TRAFFIC	H. WASTE EMPLACEMENT AND TREATMENT	I. CHEMICAL TREATMENT	J. ACCIDENTS	OTHERS			
<p><b>INSTRUCTIONS</b></p> <p>1- Identify all actions (located across the top of the matrix) that are part of the proposed project.</p> <p>2- Under each of the proposed actions, place a slash at the intersection with each item on the side of the matrix if an impact is possible.</p> <p>3- Having completed the matrix, in the upper left-hand corner of each box with a slash, place a number from 1 to 10 which indicates the MAGNITUDE of the possible impact; 10 represents the greatest magnitude of impact and 1, the least, (no zeroes). Before each number place + if the impact would be beneficial. In the lower right-hand corner of the box place a number from 1 to 10 which indicates the IMPORTANCE of the possible impact (e. g. regional vs. local); 10 represents the greatest importance and 1, the least (no zeroes).</p> <p>4- The text which accompanies the matrix should be a discussion of the significant impacts, those columns and rows with large numbers of boxes marked and individual boxes with the larger numbers.</p>		<p><b>PROPOSED ACTIONS</b></p> <p>a. Exotic flora or fauna introduction</p> <p>b. Biological controls</p> <p>c. Modification of habitat</p> <p>d. Alteration of ground cover</p> <p>e. Alteration of ground water hydrology</p> <p>f. Alteration of drainage</p> <p>g. River control and flow modification</p> <p>h. Canalization</p> <p>i. Irrigation</p> <p>j. Weather modification</p> <p>k. Burning</p> <p>l. Surface or paving</p> <p>m. Noise and vibration</p> <p>n. Urbanization</p> <p>o. Industrial sites and buildings</p> <p>p. Airports</p> <p>q. Highways and bridges</p> <p>r. Roads and trails</p> <p>s. Railroads</p> <p>t. Cables and lifts</p> <p>u. Transmission lines, pipelines and corridors</p> <p>v. Barriers including fencing</p> <p>w. Channel dredging and straightening</p> <p>x. Channel revetments</p> <p>y. Canals</p> <p>z. Dams and impoundments</p> <p>aa. Piers, seawalls, marinas, and sea terminals</p> <p>ab. Offshore structures</p> <p>ac. Recreational structures</p> <p>ad. Blasting and drilling</p> <p>ae. Cut and fill</p> <p>af. Tunnels and underground structures</p> <p>ag. Blasting and drilling</p> <p>ah. Surface excavation</p> <p>ai. Subsurface excavation and retorting</p> <p>aj. Well drilling and fluid removal</p> <p>ak. Dredging</p> <p>al. Clear cutting and other lumbering</p> <p>am. Commercial fishing and hunting</p> <p>an. Farming</p> <p>ao. Ranching and grazing</p> <p>ap. Feed lots</p> <p>aq. Dairying</p> <p>ar. Energy generation</p> <p>as. Mineral processing</p> <p>at. Metallurgical industry</p> <p>au. Chemical industry</p> <p>av. Textile industry</p> <p>aw. Automobile and aircraft</p> <p>ax. Oil refining</p> <p>ay. Food</p> <p>az. Lumbering</p> <p>ba. Pulp and paper</p> <p>bb. Product storage</p> <p>bc. Erosion control and terracing</p> <p>bd. Mine sealing and waste control</p> <p>be. Strip mining rehabilitation</p> <p>bf. Landscaping</p> <p>bg. Harbor dredging</p> <p>bh. Marsh fill and drainage</p> <p>bi. Reforestation</p> <p>bj. Wildlife stocking and management</p> <p>bk. Ground water recharge</p> <p>bl. Fertilization application</p> <p>bm. Waste recycling</p> <p>bn. Railway</p> <p>bo. Automobile</p> <p>bp. Trucking</p> <p>bq. Shipping</p> <p>br. Aircraft</p> <p>bs. River and canal traffic</p> <p>bt. Pleasure boating</p> <p>bu. Trails</p> <p>bv. Cables and lifts</p> <p>bw. Communication</p> <p>bx. Pipeline</p> <p>by. Ocean dumping</p> <p>bz. Landfill</p> <p>ca. Placement of tailings, spoil and overburden</p> <p>cb. Underground storage</p> <p>cc. Junk disposal</p> <p>cd. Oil well flooding</p> <p>ce. Deep well emplacement</p> <p>cf. Cooling water discharge</p> <p>cg. Municipal waste discharge including spray irrigation</p> <p>ch. Liquid effluent discharge</p> <p>ci. Stabilization and oxidation ponds</p> <p>cj. Septic tanks, commercial and domestic</p> <p>ck. Stack and exhaust emission</p> <p>cl. Spent lubricants</p> <p>cm. Fertilization</p> <p>cn. Chemical deicing of highways, etc.</p> <p>co. Chemical stabilization of soil</p> <p>cp. Weed control</p> <p>cq. Insect control (pesticides)</p> <p>cr. Explosions</p> <p>cs. Spills and leaks</p> <p>ct. Operational failure</p> <p>ca. a.</p> <p>cb. b.</p>													
		<p><b>A. PHYSICAL AND CHEMICAL CHARACTERISTICS</b></p> <p>1. EARTH</p> <p>a. Mineral resources</p> <p>b. Construction material</p> <p>c. Soils</p> <p>d. Land form</p> <p>e. Force fields and background radiation</p> <p>f. Unique physical features</p> <p>2. WATER</p> <p>a. Surface</p> <p>b. Ocean</p> <p>c. Underground</p> <p>d. Quality</p> <p>e. Temperature</p> <p>f. Recharge</p> <p>g. Snow, ice, and permafrost</p> <p>3. ATMOSPHERE</p> <p>a. Quality (gases, particulates)</p> <p>b. Climate (micro, macro)</p> <p>c. Temperature</p> <p>4. PROCESSES</p> <p>a. Floods</p> <p>b. Erosion</p> <p>c. Deposition (sedimentation, precipitation)</p> <p>d. Solution</p> <p>e. Sorption (ion exchange, complexing)</p> <p>f. Compaction and settling</p> <p>g. Stability (slides, slumps)</p> <p>h. Stress-strain (earthquake)</p> <p>i. Air movements</p>													
<p><b>B. BIOLOGICAL CONDITIONS</b></p> <p>1. FLORA</p> <p>a. Trees</p> <p>b. Shrubs</p> <p>c. Grass</p> <p>d. Crops</p> <p>e. Microflora</p> <p>f. Aquatic plants</p> <p>g. Endangered species</p> <p>h. Barriers</p> <p>i. Corridors</p> <p>2. FAUNA</p> <p>a. Birds</p> <p>b. Land animals including reptiles</p> <p>c. Fish and shellfish</p> <p>d. Benthic organisms</p> <p>e. Insects</p> <p>f. Microfauna</p> <p>g. Endangered species</p> <p>h. Barriers</p> <p>i. Corridors</p>															
<p><b>C. CULTURAL FACTORS</b></p> <p>1. LAND USE</p> <p>a. Wilderness and open spaces</p> <p>b. Wetlands</p> <p>c. Forestry</p> <p>d. Grazing</p> <p>e. Agriculture</p> <p>f. Residential</p> <p>g. Commercial</p> <p>h. Industrial</p> <p>i. Mining and quarrying</p> <p>2. RECREATION</p> <p>a. Hunting</p> <p>b. Fishing</p> <p>c. Boating</p> <p>d. Swimming</p> <p>e. Camping and hiking</p> <p>f. Picnicking</p> <p>g. Resorts</p> <p>3. AESTHETICS AND HUMAN INTEREST</p> <p>a. Scenic views and vistas</p> <p>b. Wilderness qualities</p> <p>c. Open space qualities</p> <p>d. Landscape design</p> <p>e. Unique physical features</p> <p>f. Parks and reserves</p> <p>g. Monuments</p> <p>h. Rare and unique species or ecosystems</p> <p>i. Historical or archaeological sites and objects</p> <p>j. Presence of misfits</p> <p>4. CULTURAL STATUS</p> <p>a. Cultural patterns (life style)</p> <p>b. Health and safety</p> <p>c. Employment</p> <p>d. Population density</p> <p>5. MAN-MADE FACILITIES AND ACTIVITIES</p> <p>a. Structures</p> <p>b. Transportation network (movement, access)</p> <p>c. Utility networks</p> <p>d. Waste disposal</p> <p>e. Barriers</p> <p>f. Corridors</p>															
<p><b>D. ECOLOGICAL RELATIONSHIPS SUCH AS:</b></p> <p>a. Salinization of water resources</p> <p>b. Eutrophication</p> <p>c. Disease-insect vectors</p> <p>d. Food chains</p> <p>e. Salinization of surficial material</p> <p>f. Brush encroachment</p> <p>g. Other</p> <p>a.</p> <p>b.</p>															
COMPUTATIONS															

