

# Natural Resources Presentation

## January 19, 2010 Airport Futures Planning Advisory Group

### Meeting Purpose and Objectives – Jay (5 minutes)

- **Purpose:** Present the ESEE process and get PAG feedback on the preliminary staff recommendation
- **Objectives:**
  - Review of the Goal 5 process and products
  - Describe the ESEE Analysis and preliminary staff recommendations
  - Review feedback staff have heard to-date (note areas of agreement and disagreement)
  - Collect PAG feedback
  - Review natural resource management tools – these tools will be fully presented in February
- Staff is not requesting a PAG recommendation at this meeting; your input will go back to the subcommittee to craft a recommendation for the February PAG meeting.
- *Keep in mind* – the ultimate decisions maker related to the ESEE is Portland City Council

### Why address natural resources as part of Airport Futures – Jay (5 minutes)

- Information and data is out dated
- State and Metro goals
- Other new policies and regulations since 1989/1999
- Address wildlife hazard management

### PAG Visions, Values, Guiding Principles and Goals – Jay (5 minutes)

- The ESEE work is tied to the vision, values, principles and goals
- Work in progress – Goals 5 and 7

### Goal 5 Process Overview – Mindy (5 minutes)

- The 3 main steps of the Goal 5 process include:
  - Update Natural Resources Inventory (NRI)
  - Perform an analysis of the benefits and impacts of protecting natural resources
  - Apply management tools to natural resources
    - Overlay zones, code provisions (e.g. Plan District), easements, willing seller acquisition, development agreements, etc.

### Draft Natural Resources Inventory – Mindy (10 minutes)

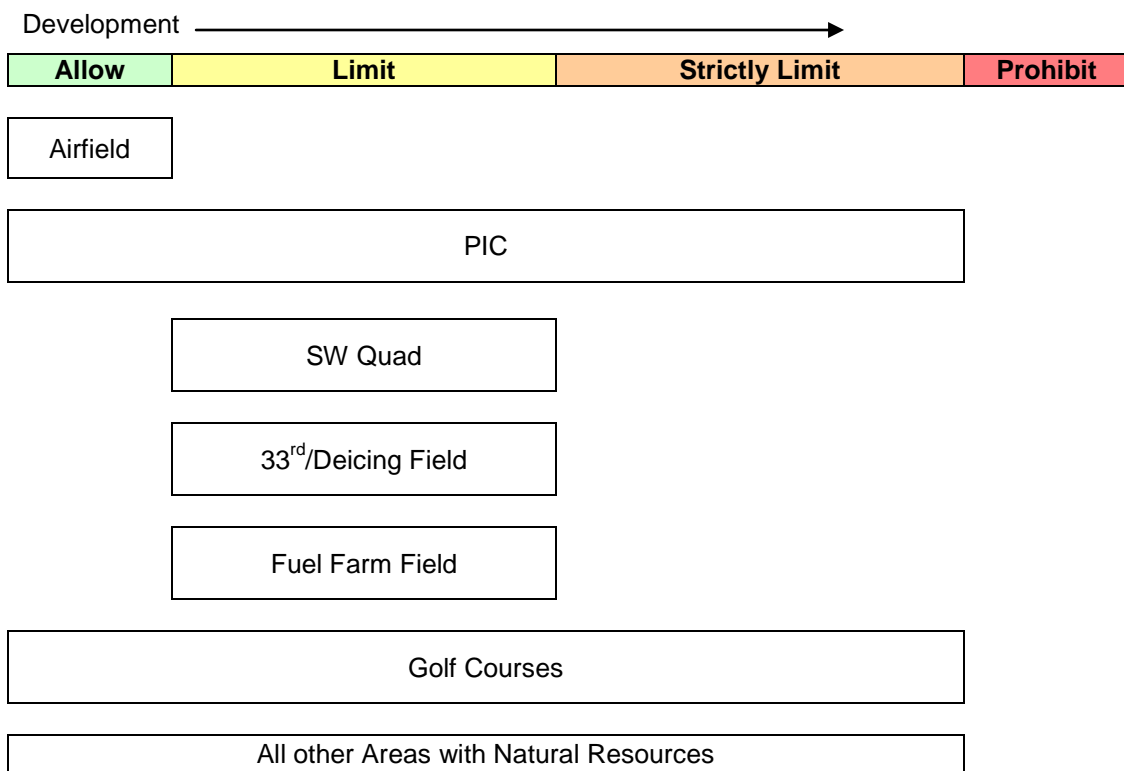
- Assumptions – initially only river, streams/drainageways, wetlands, floodplain and riparian vegetation were identified
- What we learned – the upland grasslands are providing habitat for wildlife species
- Technical Review
- There is agreement on the NRI except for the Keyhole drainage system
- Draft NRI maps

### ESEE Analysis – Mindy (30 min)

- Purpose of the ESEE analysis is intended to help decision makers understand the issues and trade-offs of choices to protect natural resources.
- The ESEE analysis is
  - qualitative, not a cost/benefit analysis
  - doesn't provide a "answer"
- The result of the analysis is a staff recommendation to decision makers

## Analysis and Preliminary Staff Recommendation

- Defining terms allow, limit and prohibit:
  - *Allow* means no additional restrictions on development
    - Development trumps natural resources
  - *Prohibit* means development is not allowed
    - Natural resources trump development
    - The City historically has not recommended a ‘prohibit’ decision on any properties
  - *Limit* means development is allowed with specific restrictions as related to natural resources
    - Limit means there is a range of options – two examples are:
      - Development is allowed but must avoid and minimize impacts to natural resources and mitigate for unavoidable impacts
      - Development is not allowed unless it is required for access (e.g. driveway)



- ESEE Steps: there are 4 steps, as shown on the table
  - Step 1 is the NRI
  - Step 2 is identifying all the benefits and impacts of development within natural resource areas
  - Step 3 is weighing the benefits and impacts and making a recommendation
  - Step 4 is determining management tools are appropriate for implementing the recommendation
  - We are covering Step 2 and 3 today; Step 4 will be covered in February
  - Explain general versus site-specific ESEE analysis
- **General ESEE Analysis** – Addresses the study area as a whole
  - Five main development categories: industrial, employment, commercial, residential and open space
  - Review issue that most influenced the preliminary staff recommendation
  - Preliminary staff recommendation

<b>ESEE Topics Analyzed</b>	
<b>Economic</b>	<ul style="list-style-type: none"> <li>• Industry and business <ul style="list-style-type: none"> <li>○ employment – jobs, employee earnings and income</li> <li>○ trade/movement of goods</li> <li>○ business revenue</li> <li>○ industry and business clusters</li> <li>○ land supply</li> <li>○ regional multiplier associated with industrial uses</li> <li>○ Portland International Airport economic impacts to the city/region</li> <li>○ development permit fees</li> </ul> </li> <li>• Neighborhoods <ul style="list-style-type: none"> <li>○ housing types/options</li> <li>○ businesses – jobs, employee income, revenue</li> <li>○ land supply</li> <li>○ development permit fees</li> </ul> </li> <li>• Ecosystem Services <ul style="list-style-type: none"> <li>○ air temperature regulation – impact on building cooling/heating, public health, global warming</li> <li>○ water temperature regulation – impact on fisheries (commercial and recreational)</li> <li>○ bank functions – erosion, bank stabilization, impact on fisheries</li> <li>○ flood storage – infrastructure costs, costs associated with potential rises in sea level</li> <li>○ stormwater management – infrastructure costs</li> <li>○ surface and groundwater quality – public health, impact on fisheries</li> <li>○ soil quality – public health</li> <li>○ landslide hazards – public health, infrastructure costs</li> <li>○ regulatory compliance costs – Endangered Species Act, Clean Water Act, etc.</li> <li>○ property values</li> <li>○ issues related to on-site vs. off-site impacts and benefits</li> <li>○ issues related to length of time to realize benefits of some ecosystem services</li> </ul> </li> </ul>
<b>Social</b>	<ul style="list-style-type: none"> <li>• Industry and Business <ul style="list-style-type: none"> <li>○ employment opportunities and income earnings</li> <li>○ revenue</li> <li>○ historic and cultural values associated with industrial uses</li> </ul> </li> <li>• Neighborhoods <ul style="list-style-type: none"> <li>○ housing opportunities – mix of housing types and sizes, housing capacity</li> <li>○ visual diversity</li> </ul> </li> <li>• Natural Resources <ul style="list-style-type: none"> <li>○ health, safety and welfare related to water quality, air quality, flood control, bank stability, landslide protection, wildlife hazard</li> <li>○ recreation – access to nature, public health</li> <li>○ educational opportunities</li> <li>○ historic, heritage and cultural values – historic and cultural values associated with Native American Tribes; Portlanders’ valuation of nature and wildlife</li> <li>○ visual amenities – sense of place, visual variety, views, City image</li> <li>○ screening and buffering between incompatible land uses (e.g. industry and residential areas)</li> </ul> </li> <li>• Wildlife Hazard Management at PDX</li> </ul>

<b>Environment</b>	<ul style="list-style-type: none"> <li>• microclimate and shade</li> <li>• bank stabilization and control of sediments, nutrients and pollutants</li> <li>• stream flow moderation and flood storage</li> <li>• large wood and channel dynamics</li> <li>• organic inputs, food web and nutrient cycling</li> <li>• wildlife habitat/corridors</li> <li>• urban structures that provide wildlife habitat</li> <li>• enhancement opportunities</li> <li>• issues related to on-site vs. off-site impacts and benefits</li> </ul>
<b>Energy</b>	<ul style="list-style-type: none"> <li>• transportation – personal travel distances and mode of transportation; goods distribution</li> <li>• location of housing to employment opportunities (commute distances)</li> <li>• cost of gray infrastructure to replace green infrastructure</li> <li>• building heating and cooling</li> </ul>

- **Site-specific ESEE Analysis** – Staff considers specific characteristics that may warrant a modification to the General ESEE Recommendation
  - Today we will look at 3 situations where there are varying opinions:
    - The Airfield
    - Economic Development Lands – PIC, SW Quad, 33<sup>rd</sup> Field, Deicing Field and Fuel Farm Field
    - Golf Courses – Colwood, Broadmoor, Riverside and Columbia Edgewater
  - Review issues that most influenced the preliminary staff recommendation for each site
  
- **Map of the preliminary staff recommendation** (combined general and site-specific)
  - Feedback to-date

**BREAK**

Feedback from PAG (Sam 30 min)

Management Tools and Next Steps – Jay (10 minutes)

- The City has multiple tools available to management natural resources; typically a package that utilizes some or most of the tools is applied
- Tools:
  - Environmental Overlay Zones
  - Code Provisions – Natural Resources Management Plan; Plan District
  - Natural Resources Agreement
  - Conservation Easements
  - Willing Seller Acquisition
  - Others

**Visual Aides**

- Outline
- Poster - definitions of allow, limit, strictly limit and prohibit
- Maps – NRI results; preliminary staff recommendations
- ESEE Analysis Worksheet