

TOOLBOX: CHECKLIST OF PROJECT IMPACTS



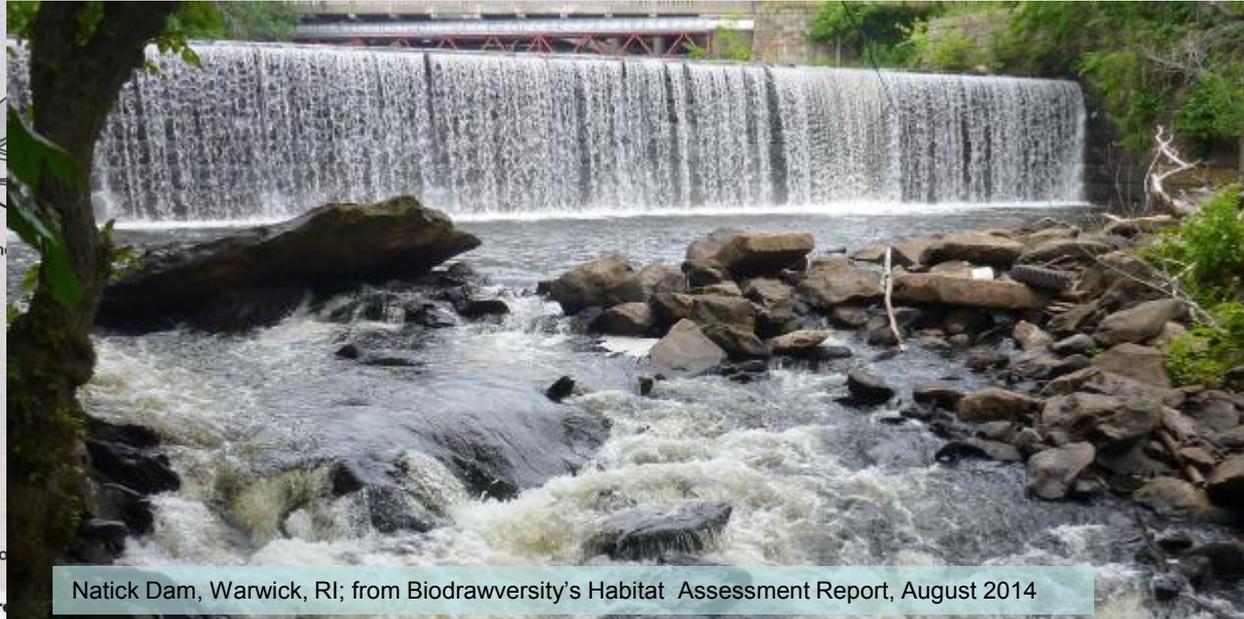
OVERVIEW

- Checklist
- Impact assessment within FERC process
- Types of studies often requested



Checklist (handout)

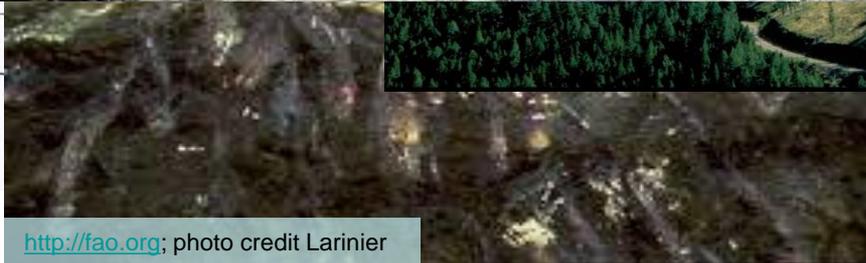
<http://lowimpacthydro.org>; West Dudley Dam on Quinebaug River in Massachusetts



SECOND LAKE
THIRD LAKE

attle.gov

Natick Dam, Warwick, RI; from Biodiversity's Habitat Assessment Report, August 2014



<http://fao.org>; photo credit Larinier

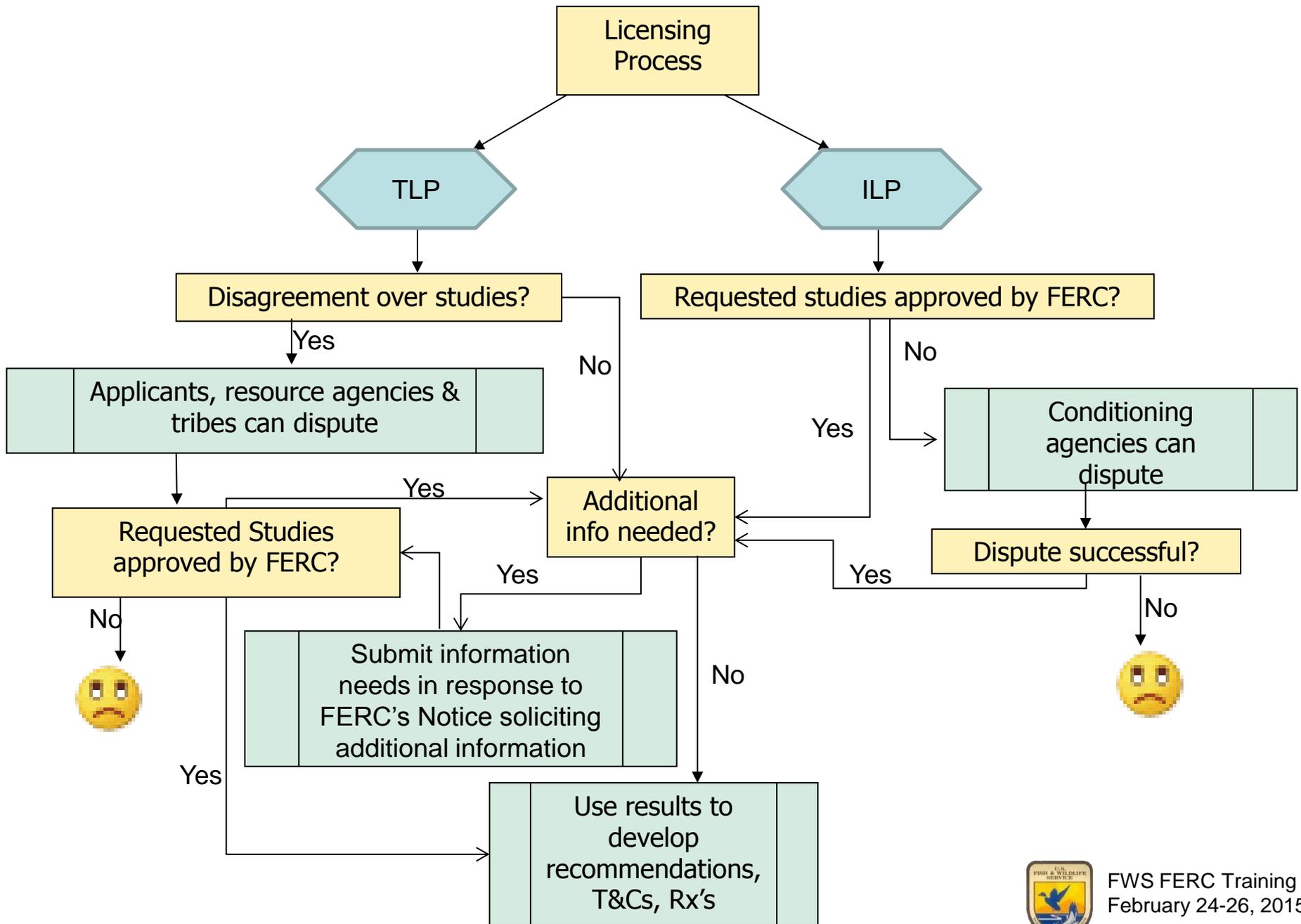
<http://en.wikipedia.org>



Impact Assessment within FERC Process

- Applicant contacts agencies for any existing information, uses to compile PAD/ICD
- Agencies review document
 - Is existing info sufficient or are there data gaps?
 - If data insufficient, request studies
- Use existing info and/or data collected by applicant, along with development proposal, to determine potential project impacts and develop recommendations, T&Cs, Rx's, WQC





Impact Assessment within FERC Process (cont'd)

- In TLP, FERC Scoping (as part of NEPA) occurs post-filing (after FERC accepts application)
 - SD based on issues raised during pre-filing consultation
- In ILP, Scoping occurs pre-filing (during 1st stage consultation)
 - SD IDs preliminary list of issues and alternatives to be addressed
- Public notice soliciting comments
 - Range of alternatives, issues IDed, cumulative effects analysis (resources, geographic & temporal scope)



Types of Studies Requested

- Water Quality Sampling
- Baseline vegetation mapping
 - terrestrial, riparian, littoral, aquatic
- Baseline mussel survey
- RTE survey
- Instream flow studies (for bypass reaches, below tailrace flows)
- Migratory fish movement
- Baseline fish assemblage sampling



Types of Studies Requested (continued)

- Fish passage effectiveness assessment
- Fish stranding evaluation
- Tributary access assessment
- Fish nest survey
- Impingement/entrainment evaluation
- Sediment trapping and transport
- Recreational resources inventory
- Historical, cultural, archeological resources inventory



Take Home Messages

- Defined places within each process to request studies
- Use opportunities to request information necessary to conduct effects analyses and develop proposed mitigation and enhancement measures
 - Recommendations, terms & conditions, prescriptions, WQC
- Requests and basis for requests help form the admin. record
 - If requests denied, could be used for later appeal, denial of 401, etc.



Questions ?

